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Abbott, Randle Leslie, to GKN Transmissions Limited. Variable ratio traction drive. 3,823,613, 7-16-74, Cl. 74-200.000.

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Abbott, Thomas Irving, to Eastman Kodak Company. Photographic materials curve shape stabilized with carboxy substituted 4-thiouracils. 3,837,857, 9-24-74, Cl. 96-74.000.

Abbott, Thomas P., to United States of America, Agriculture. Polysaccharide-containing elastomers. 3,830,762, 8-20-74, Cl. 260-17.200.

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Abdul-Rahman, Yahia A. K., to Atlantic Richfield Company. Separating retorted shale for recycled heat-carrying pellets. 3,803,021, 4-9-74, Cl. 208-11.000.

Abdul-Rahman, Yahia A. K., to Atlantic Richfield Company. Retorting system. 3,803,022, 4-9-74, Cl. 208-11.000.

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Abe, Jinnosuke; Watanabe, Tetsuo; Take, Teruo; Fujimoto, Kentaro; Fujii, Tadashiro; Hotta, Yasue; Kobari, Sadami; Ishimura, Fumihiro; Kitahora, Nobuya; and Fukushima, Mituru, to Toyo Jozo Kabushiki Kaisha. Production of ampicillin. 3,833,558, 9-3-74, Cl. 20-239.100.

Abe, Jinnosuke; Miyauchi, Kango; and Kanoh, Masatoshi, to Toyo Jozo Kabushiki Kaisha. Animal feed supply. 3,840,658, 10-8-74, Cl. 424-115.000.

Abe, Katsuhiko, to Brite Industries Inc. Expansible bracelet construction. 3,820,319, 6-28-74, Cl. 59-79.00r.

Abe, Katsunobu: *See*—
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Abe, Koojiro. Apparatus of winding a water-ski rope. 3,817,472, 6-18-74, Cl. 242-107.00r.

Abe, Kunio: *See*—
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Abe, Kuniomi, to Konan Camera Laboratory Company Limited. Optical system of a binocular microscope. 3,788,727, 1-29-74, Cl. 350-36.000.

Abe, Masahiro: *See*—
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Abe, Takeshi, to Ricoh Co., Ltd. Video signal data signal compression system. 3,804,975, 4-16-74, Cl. 178-6.000.

Abe, Takeshi, to Ricoh Co., Ltd. Microfiche film sheet detection device for micro-readers and micro-printers. 3,819,908, 6-25-74, Cl. 235-61.11e.

Abe, Takeshi, to Ricoh Co., Ltd Card-storing device. 3,829,188, 8-13-74, Cl. 312-184.000.

Abe, Takeshi, to Ricoh Co. Ltd. Microfiche film detection device for micro-readers and micro-reader-printers. 3,832,528, 8-27-74, Cl. 235-61.11e.

Abe, Tetsuo: *See*—
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Abe, Toshihiko, to Director-General of Agency of Industrial Science and Technology. Process for measuring particle size and concentration of slurries according to on-stream analysis. 3,797,319, 3-19-74, Cl. 73-432.0ps.

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Abe, Toshio, to Konishiroku Photo Industry Co., Ltd. Photo-electric densitometer. 3,814,523, 6-4-74, Cl. 356-202.000.

Abe, Toshiro; and Kakite, Keizi, to Matsushita Electric Works, Ltd. Photosensitive solid oscillator. 3,818,370, 6-18-74, Cl. 331-66.000.

Abe, Toshiro; and Kakite, Keizi, to Matsushita Electric Works, Ltd. Photosensitive solid oscillator. 3,822,409, 7-2-74, Cl. 331-66.000.

Abe, Wataru; Terada, Yasuyuki; and Sugafuji, Akira, to Oiles Kogyo Kabushiki Kaisha. Solid lubricant. 3,821,111, 6-28-74, Cl. 252-12.000.

Abe, Wataru; Muto, Akio; and Terada, Yasuyuki, to Oiles Kogyo Kabushiki Kaisha. Solid lubricant. 3,836,466, 9-17-74, Cl. 252-12.000.

Abe, Yasunori; Yamane, Nobuo; Itoh, Kensaku; Ishida, Shuichi; and Kobayashi, Hisabumi, to Nippon Kayaku Co., Ltd. p-Nitrodiphenyl ethers. 3,813,444, 5-28-74, Cl. 260-607.00a.

Abe, Yasunori; Yamane, Nobuo; Itoh, Kensaku; Ishida, Shuichi; and Kobayashi, Hisabumi. Alkylthio nitrodiphenyl ethers. 3,821,312, 6-28-74, Cl. 260-609.00f.

Abe, Yoshiharu; and Ito, Kenzo, to Copyer Co., Ltd. Roll type copying paper supply device. 3,850,356, 11-26-74, Cl. 226-110.000.

Abe, Yoshihiko, to Mitsubishi Seiko Kabushiki Kaisha. Corrosion-resisting steel. 3,813,240, 5-28-74, Cl. 75-126.00d.

Abe, Yoshihiko, to Mitsubishi Seiko Kabushiki Kaisha. Heat-resisting steel. 3,839,021, 10-1-74, Cl. 75-124.000.

Abe, Yoshio: *See*—
Naito, Takayuki; Nakagawa, Susumu; and Abe, Yoshio, 3,796,699.
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Abeel, Joseph A.; and Schreiber, Charles L., to Corning Glass Works. Flexible glass body assemblies. 3,803,762, 4-16-74, Cl. 49-34.000.

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Abegg, Karl, to Aktiengesellschaft Brown, Boveri & Cie. Two-part stator for large rotating electrical machines. 3,789,252, 1-29-74, Cl. 2-14-72.

Abel, Heinz: *See*—
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Abel, Heinz, to Ciba-Geigy AG. Process for dyeing fiber mixtures of polyester and wool. 3,809,532, 5-7-74, Cl. 8-21.00c.

Abel, Irving R., to Honeywell, Inc. Wide field reflective optical apparatus. 3,811,749, 5-21-74, Cl. 350-55.000.

Abel, Irving Raymond, to United States of America, National Aeronautics and Space Administration. Optical instruments. 3,782,835, 1-1-74, Cl. 356-216.000.

Abel, James R.: *See*—
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Abel, Martin L. Machine for making and injecting lubricant-impregnated wicking material. 3,797,089, 3-19-74, Cl. 29-200.00b.

Abel, Ronald G.: *See*—
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Abele, Manfred: *See*—
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Abele, Werner, to Du Pont de Nemours, E. I., and Company. Silver halide photographic element containing a reaction product of a heterocyclic mercaptan and a chloro formic acid ester as antifog agent. 3,791,830, 2-12-74, Cl. 96-76.00r.

Abell, Andrew T. Portable electric hand drill accessory. 3,853,420, 12-10-74, Cl. 408-14.000.

Abell, Frank. Method for establishing vehicle identification, speed and conditions of visibility. 3,788,201, 1-29-74, Cl. 95-1.100.

Abell, Manfred: *See*—
Roos, Ernst; Kempermann, Theo; Abell, Manfred; and Dammann, Gunter, 3,803,060.

Abell, Richard S.: *See*—
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Abell, William David; and Sindelar, William Frank, to Black and Decker Manufacturing Company, The. Adjustable positive clutch screwdriver. 3,834,252, 9-10-74, Cl. 81-52.40r.

Abendroth, Paul, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Sheet conveyor mechanism for printing machines. 3,826,486, 7-30-74, Cl. 271-204.000.

Abendroth, Paul, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Reciprocating gripper for feeding sheets in rotary printing machines. 3,839,959, 10-8-74, Cl. 101-232.000.

Abercrombie, William F., Jr.: *See*—
Price, Charles R.; and Abercrombie, William F., Jr., 3,853,984.

Abercrombie, William F., Jr., to Huber, J. M., Corporation. Flocculation of kaolin slurries with phosphoric acid. 3,849,151, 11-19-74, Cl. 106-288.00b.

Abercrombie, William F., Jr.; Trowbridge, Frank R.; and McCook, Norman Lary, to Huber, J. M., Corporation. Method for improving brightness of kaolinite clays including iron pyrites. 3,853,983, 12-10-74, Cl. 423-113.000.

Abercrombie, William Floyd, Jr.: *See*—
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Aberdeen Bag Company: *See*—
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Aberg, Bertil, to Allmanna Svenska Elektriska Aktiebolaget. Method for hydrostatic extrusion. 3,851,511, 12-3-74, Cl. 72-60.000.

Aberhart, Donald J.: *See*—
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Aberle, Claus: *See*—
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Abernathy, Harlan O., 20% to Lee, Raymond, Organization, Inc., The. Toothbrush drying device. 3,820,251, 6-28-74, Cl. 34-60.000.

Abernathy, James D.: *See*—
Marus, Louis J.; and Abernathy, James D., 3,821,699.
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Abernathy, James O.; Jackson, Harold W.; Rosenbaum, Erik; and Gabriele, Thomas L., to Bendix Corporation, The. Inverse ranging and detecting system. 3,803,598, 4-9-74, Cl. 343-5.0sa.

Abernathy, Timothy G.: *See*—
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Abernathy, William J.; and Snoddy, Lowell G., to United States of America, National Aeronautics and Space Administration. Insert facing tool. 3,813,183, 5-28-74, Cl. 408-80.000.

Aberth, William H., to Stanford Research Institute. Multipoint field ionization source. 3,852,595, 12-3-74, Cl. 250-288.000.

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Abildgaard, William H.; Groswith, Charles T. III; Deman, Heiko T.; and Buan, Danilo P., to Velo-Bind, Inc. Machine for binding books. 3,811,146, 5-21-74, Cl. 11-1.00r.

Abildgaard, William H.; and Groswith, Charles T., III, to Velo-Bind, Inc. Method and apparatus for casing books and product thereof. 3,825,963, 7-30-74, Cl. 11-1.00r.

Abildgaard, William H.; and Groswith, Charles T., III, to Velo-Bind, Inc. Book bound by ultrasonic means. 3,830,524, 8-20-74, Cl. 281-21.000.

Abildgaard, William H.; and Groswith, Charles T., III, to Velo-Bind, Inc. Cased book using end sheets bound with plastic retainers. 3,834,739, 9-10-74, Cl. 281-21.000.

Abilock, Solomon; and Shottenfeld, Richard, to Lindly & Company, Inc. Apparatus for detecting defects in continuous traveling material. 3,786,265, 1-15-74, Cl. 250-562.000.

Abita, Joseph L., to United States of America, Navy. Relief mask for high resolution photolithography. 3,824,014, 7-16-74, Cl. 355-75.000.

Abita, Joseph L.; and Noyes, Carlton F., to United States of America, Navy. Mechanical masking apparatus for producing a pattern on a curved surface. 3,833,298, 9-3-74, Cl. 355-125.000.

Abitboul, Georges D., to Audio Magnetics Corporation. Vibration compaction process of magnetic tape. 3,817,785, 6-18-74, Cl. 117-237.000.

Abler, Norman C., to Faustel, Inc. Pneumatic tension control system. 3,811,637, 5-21-74, Cl. 242-75.430.

Abler, Norman C., to Faustel, Inc. Ink applicator means for downside surface of printing press roll. 3,815,499, 6-11-74, Cl. 101-364.000.

Ablett, Allan H. Bracket for poles and the like. 3,787,015, 1-22-74, Cl. 248-43.000.

Ablett, Roger John Herbert, to Image Analysing Computers Limited. Feature selection in image analysis. 3,801,741, 4-2-74, Cl. 178-6.800.

Ablett, Roger John Herbert, to Image Analysing Computers Limited. Image analysis system. 3,849,793, 11-19-74, Cl. 358-81.000.

Abnett, Albert C.; and Watson, Robert M., to Autech, Inc. Angle mode area navigation computer. 3,796,867, 3-12-74, Cl. 235-150.270.

Abney, Dave L.; Williams, Robert C.; and Gilbert, Horace E., to Dresser Industries, Inc. Selective well treating and gravel packing apparatus. 3,818,986, 6-25-74, Cl. 166-51.000.

Abney, David Lewis, Jr.: *See*—
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Abo, Hideo: *See*—
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Abolafia, Oscar R.; Lau, John A.; Lee, Franklin F. M.; and Watson, Catherine R., to International Business Machines Corporation. Electrical interconnect structuring for laminate assemblies and fabricating methods therefor. 3,795,047, 3-5-74, Cl. 29-625.000

Abolins, Eizens: *See*—
Round, Byron Joseph; and Abolins, Eizens, 3,793,991.

Abolins, Visvaldis; Erhardt, Peter F.; and Holoch, Klaus E., to General Electric Company. Stabilized polyphenylene ether compositions. 3,792,121, 2-12-74, Cl. 260-874.000.

Abolins, Visvaldis; and Reinhard, Donald L., to General Electric Company. Thermoplastic composition comprising a polyphenylene ether and a normally rigid resinous product of an acrylic monomer and diene rubber. 3,792,123, 2-12-74, Cl. 260-876.00r.

Abolins, Visvaldis; and Reinhard, Donald L., to General Electric Company. Composition of a polyphenylene ether and an acrylic resin in combination with a diene rubber-containing resin. 3,833,688, 9-3-74, Cl. 260-876.00r.

Aboutboul, Henri A.: *See*—
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Aboutboul, Henri A.; Krekeler, Jerome H.; and Kirch, William, to National Petro Chemicals Corporation. Preparation of silica gels. 3,794,712, 2-26-74, Cl. 423-338.000.

Aboutboul, Henri A.; Krekeler, Jerome H.; and Kirch, William, to National Petro Chemicals Corporation. Preparation of silica gels. 3,794,713, 2-26-74, Cl. 423-338.000.

Aboutboul, Henri A.; Krekeler, Jerome H.; and Kirch, William, to National Petro Chemicals Corporation. Preparation of silica gels. 3,819,811, 6-25-74, Cl. 423-338.000.

Abowitz, Gerald; Ruckdeschel, Frederick Robert; and Gerace, Robert Eugene, to Xerox Corporation. Non-contact temperature sensor for a roll fuser of a xerographic reproduction apparatus. 3,849,628, 11-19-74, Cl. 219-216.000.

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Abraco S.A.: *See*—
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Landauer, LeRoy; Blakslee, Edward Leroy; Abraham, Benjamin Ichak; and Stieglitz, Henry Gilbert, 3,847,786.

Abraham, Dennis G.; and Mills, Stephen H., to International Business Machines Corporation. High frequency stepper motor. 3,806,744, 4-23-74, Cl. 310-49.000.

Abraham, Dennis G.; and McSparran, Ray A., to International Business Machines Corporation. Stepper motor control system using pulse injection for velocity overshoot control. 3,812,414, 5-21-74, Cl. 318-696.000.

Abraham, Edward D.; and Shields, Robert G., to Sherwin-Williams Company, The. Horizontal stack foundry molding machine with indexing carriage. 3,838,731, 10-1-74, Cl. 164-161.000.

Abraham, Fred: *See*—
Snead, William K.; and Abraham, Fred, 3,793,227.

Abraham, Harry M., Jr., to AA Gage Division. Drive control arrangement for grinders and other machines. 3,803,770, 4-16-74, Cl. 51-165.780.

Abraham, James G., to Armco Steel Corporation. Power-released chain stopper. 3,805,728, 4-23-74, Cl. 114-200.000.

Abraham, Marvin M.: *See*—
Chen, Yok; and Abraham, Marvin M., 3,829,391.

Abraham, Nedumparambil A.; Bagli, Jehan F.; and Bogri, Tibor, to Ayerst, McKenna and Harrison Limited. 11-Deoxyprostaglandin derivatives and process therefor. 3,849,474, 11-19-74, Cl. 260-468.00d.

Abraham, Paul P. Game board and associated apparatus. 3,854,724, 12-17-74, Cl. 273-125.00r.

Abraham, Samuel V. Contact lens for viewing fluorescent eye tissue. 3,809,092, 5-7-74, Cl. 128-305.000.

Abraham, Samuel V. Surgical tool. 3,809,093, 5-7-74, Cl. 128-305.000.

Abraham, Samuel V. Gradual release medicine carrier. 3,826,258, 7-30-74, Cl. 128-260.000.

Abrahamer, Salek. Sliding coupling for propeller shafts. 3,813,899, 6-4-74, Cl. 64-23.000.

Abrahams, Jacobus Hubertus: *See*—
Harrewijne, Arend; and Abrahams, Jacobus Hubertus, 3,830,254.

Abrahams, Jacobus Hubertus, to U.S. Philips Corporation. Thermodynamic reciprocating machine comprising a compressor. 3,793,836, 2-26-74, Cl. 60-521.000.

Abrahams, Louis; and Hutchins, Burleigh M., Jr., to Waters Associates, Inc. Check valve and system containing same. 3,810,716, 5-14-74, Cl. 417-313.000.

Abrahams, Louis; Hutchins, Burleigh M., Jr.; and Waters, James L., to Waters Associates, Inc. Novel pumping apparatus. 3,855,129, 12-17-74, Cl. 210-198.00c.

Abrahams, Michael A.; Blacksburg, Alvin Brent; and Rand, Sidney, to Breath-E-Z Corporation. Portable demucosant. 3,833,001, 9-3-74, Cl. 128-277.000.

Abrahamson, Boris Hougham: *See*—
Abrahamson, Walter Frank; Abrahamson, John Hougham; and Abrahamson, Boris Hougham, 3,786,782.

Abrahamson, Daniel P.: *See*—
Wright, Lawrence W.; Tolleson, Leon H.; Abrahamson, Daniel P.; Thomas, Paul M.; and Crile, Eugene E., 3,789,101.

Abrahamson, Dean W.; and Lannert, James W., to All-Steel Inc. Backrest height adjustment device for office furniture chairs. 3,854,772, 12-17-74, Cl. 297-353.000.

Abrahamson, John Hougham: *See*—
Abrahamson, Walter Frank; Abrahamson, John Hougham; and Abrahamson, Boris Hougham, 3,786,782.

Abrahamson, Robert K.: *See*—
Newcomb, Harley M.; Sparer, Seno; and Abrahamson, Robert K., 3,815,990.

Abrahamson, Walter Frank; Abrahamson, John Hougham; and Abrahamson, Boris Hougham. Milk flow sensing valve for teat cup release. 3,786,782, 1-22-74, Cl. 119-14.080.

Abrahamsson, Sixten. Method for executing time-determined analysis in physical or chemical examination of substances and an apparatus for executing the method. 3,784,816, 1-8-74, Cl. 250-273.000.

Abramian, Evgeny Aramovich; and Gaponov, Vasily Alexandrovich. High voltage electron tube. 3,798,476, 3-19-74, Cl. 313-3.000.

Abramitis, Walter W.: *See*—
Reck, Richard A.; and Abramitis, Walter W., 3,852,340.

Abramitis, Walter W., to Akzona Incorporated. Quaternary ammonium aquatic herbicides. 3,807,983, 4-30-74, Cl. 71-66.000.

Abramitis, Walter W. Amine salts of substituted succinamic acids. 3,857,879, 12-31-74, Cl. 260-501.110.

Abramoff, Charles, to Argus Chemical Corporation. Acrylonitrile-butadiene-styrene polymers having improved resistance to discoloration. 3,856,728, 12-24-74, Cl. 260-23.70n.

Abramov, Leonid Mikhailovich: *See*—
Gutman, Anatoly Lvovich; Prefsman, Vladimir Alexandrovich; Abramov, Leonid Mikhailovich; and Shokurov, Jury Stepanovich, 3,836,273.

Abramovich, Evgeny Alexandrovich: *See*—
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Abrams, Andrew M., to Union Camp Corporation. Ring accessory for an educational device. 3,808,737, 5-7-74, Cl. 46-221.000.

Abrams, Aubrey Leon, to General Stationery Supplies (Proprietary) Limited. Tethered ball apparatus. 3,829,093, 8-13-74, Cl. 273-95.00a.

Abrams, Edwin F.; and Shaver, Robert G., to General Technologies Corporation. Method of making microcrystalline fluoride fibers. 3,832,451, 8-27-74, Cl. 423-489.000.

Abrams, Eileen Marie: *See*—
Abrams, Victor Joseph, 3,845,595.

Abrams, Harold B.; Haynes, Benjamin O.; and Williams, Glynn P., to Mylee Digital Sciences, Inc. Display systems for electronic data processing equipment. 3,820,080, 6-25-74, Cl. 340-172.500.

Abrams, Herbert C., to Owens-Illinois, Inc. Method and apparatus for forming packages of containers. 3,807,117, 4-30-74, Cl. 53-3.000.

Abrams, Herman B.: *See*—
Vincent, Arthur Leonard; Wysocki, Lawrence Eugene; and Abrams, Herman B., 3,796,887.

Abrams, Richard Lee; and Glass, Alastair Malcolm, to Bell Telephone Laboratories Incorporated. Pyroelectric devices. 3,813,550, 5-28-74, Cl. 250-338.000.

Abrams, Victor Joseph; deceased (by Abrams, Eileen Marie; administratrix). Portable buildings. 3,845,595, 11-5-74, Cl. 52-93.000.

Abrams, Walter M.: *See*—
Kaplan, Richard B.; Gonnella, Sebastian; and Abrams, Walter M., 3,819,971.

Abramson, Carl N.; and Agusto, Nicholas A., III, to Adoptive Technology, Inc. Telephone communications system with distributed control. 3,790,717, 2-5-74, Cl. 179-15.0al.

Abramson, Carl Newton; and Nadir, Mark T., to Adaptive Technology, Inc. Central address distributor. 3,787,627, 1-22-74, Cl. 179-15.0ba.

Abramson, Harvey J., to Searle, G. D., & Co., mesne. Inserter for intrauterine devices. 3,783,861, 1-8-74, Cl. 128-127.000.

Abramson, Nils: *See*—
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Abrex Specialty Coatings Ltd.: *See*—
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Abromavage, John C.; and Ryden, James W., to Amerco, Inc. Load damping frame hitch for vehicles towing a trailer. 3,843,162, 10-22-74, Cl. 280-486.000.

Absher, Larry R., and Woodie, Richard M. Air treating apparatus. 3,841,063, 10-15-74, Cl. 55-228.000.

Absler, Howard K.: *See*—
Schnitzer, David H.; and Absler, Howard K., 3,790,070.

Abu Aktiebolag: *See*—
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Svensson, Hugo Ragnvald, 3,812,940.

Abu-Isa, Ismat A.: *See*—
Vincent, William R.; and Abu-Isa, Ismat A., 3,847,648.

Abu-Saud, Munther, to ASG Industries Inc. Polariscope for determining stress in a transparent material. 3,811,775, 5-21-74, Cl. 356-35.000.

Abushanab, Elie, to Pfizer, Inc. Quinoxaline-di-N-oxides. 3,803,145, 4-9-74, Cl. 260-250.00r.

ACA Tapes, Inc.: *See*—
Berman, Harold, 3,796,341.

Academic Associates, Inc.: *See*—
DiMeo, Frank N., 3,809,865.

Acampora, Vincent Paul: *See*—
Powell, David Barton; and Acampora, Vincent Paul, 3,831,120.

Acar, Ali, to International Telephone and Telegraph Corporation. Pressure regulating valve assembly. 3,857,615, 12-31-74, Cl. 303-21.00f.

A.C.B. Corporation: *See*—
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Accaries, Maurice Emile; and Girard, Maurice Emile, to Compagnie des Compteurs. Electrolytic acidic solution for cadmiating of various parts. 3,826,722, 7-30-74, Cl. 204-50.00r.

Accles & Shelvoke Limited: *See*—
Hancox, Roger John, 3,782,018.

Accles Britax Limited, mesne: *See*—
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Accra-Point Arrays Corporation: *See*—
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Conley, Larry R., 3,789,183.
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Accralube Company: *See*—
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Acda, Petrus Marinus, to Polva-Nederland N.V. Device for shaping a bell end of a tube. 3,853,450, 12-10-74, Cl. 425-393.000.

Ace Controls, Inc.: *See*—
Chorkey, William J., 3,838,850.
Chrokey, William J.; Ellis, Larry C.; and Heideman, Robert J., 3,794,309.
Meldrum, Charles R.; and Bindon, Glyn A., 3,831,920.
Meldrum, Charles R., 3,831,923.

ACE Glass Co.: *See*—
Tausheck, Russell W., 3,790,003.

Ace, Ronald S., to Ace Sophisticates Incorporated. External photodetector cooling techniques. 3,814,964, 6-4-74, Cl. 313-39.000.

Ace Sophisticates Incorporated: *See*—
Ace, Ronald S., 3,814,964.

Ace Tank and Heater Company: *See*—
Cancilla, Edward; and McClanahan, Bernard E., 3,802,398.

ACEC (Ateliers de Constructions Electriquesde Charleroi): *See*—
Bingen, Roald; and Van Hulse, Jacques, 3,784,946.

Acerra, Andrew J. Register-type device for use in forming indicia on a layout sheet from an indicia sheet. 3,803,729, 4-16-74, Cl. 35-26.000.

Acerra, Roger J.; Manley, Patrick J.; and Shramovich, John W. Locking system and lock therefor. 3,820,283, 6-28-74, Cl. 49-449.000.

Acevedo, Raul. Orthodontic dental study model. 3,787,979, 1-29-74, Cl. 32-71.000.

Acevedo, Raul. Adjustable split artificial tooth with micrometer wheel means for synamically adjusting the mestodistal tooth dimension. 3,824,691, 7-23-74, Cl. 32-71.000.

ACF Industries, Incorporated: *See*—
Atkinson, Eulas R., 3,834,664.
Barb, Gayle E., 3,821,968.
Blomstrand, Paul R., 3,831,391.
Brown, Morris C.; Cook, Forrest W.; Kalert, Ralph E.; Vollmer, Arthur C.; and Winkley, Jerry H., 3,857,908.
Carlson, Edwin S., 3,845,878.
Coyle, Edward L.; and Murph, Howard L., 3,791,168.
Diehl, Robert J.; and Freeman, Robert L., 3,838,705.
Fossett, Wallace L., 3,837,294.
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Hammonds, James C.; and O'Leary, Walter E., 3,841,236.
Holt, Jan D., 3,847,091.
Jourdan, Jerry W., 3,856,261.
Kalsi, Manmohan S., 3,825,030.
Klutho, Allyn R., 3,802,671.
Kolb, John P.; and Powell, Richard G., 3,812,980.
Krug, John A. K., Jr., 3,800,712.
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Niggemeier, Joseph F.; and Yeates, Richard P., 3,802,577.
O'Leary, Walter E.; Thornton, Duane V.; Hammonds, James C., and Dare, Roy R., 3,804,028.
Rhodes, Allen F.; and Alaniz, Ruben G., 3,857,408.
Smith, Russell F., 3,837,497.
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Walk, Howard J.; Pietsch, Ervin I.; and Smith, Garth R., 3,822,649.
Wicke, Charles H., 3,842,854.
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Acharkan, Evgeny Adolfovich; Khaskin, Ilia Naumovich; Tstrulnikov, Isaak Meerovich; Povolotsky, Emil Lvovich; and Jurovsky, Vladimir Solomonovich. Method for measuring diameter and flexibility of rubber shaft seals. 3,830,097, 8-20-74, Cl. 73-37.500.

Achatz, Siegfried: *See*—
Rinesch, Rudolf; Jilek, Walter; Hubner, Franz; and Achatz, Siegfried, 3,802,866.

Ache, Rollin W.: *See*—
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Achelpohl, Fritz, to Windmoller & Holscher. Process and apparatus for making crossed-end bags from weldable material. 3,853,040, 12-10-74, Cl. 93-35.00r.

Achenbach, Gary D.: *See*—
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Acher, Heinz, to Licentia Patent-Verwaltungs-G.m.b.H. Control rod drive for nuclear reactors. 3,830,694, 8-20-74, Cl. 176-36.00r.

Achermann, Franz: *See*—
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Achermann, Werner; and Achermann, Franz, to Boise Cascade Corporation. Method for impregnating corrugated cardboard, and resultant product. 3,825,441, 7-23-74, Cl. 117-119.000.

Acheson, Melvin G. Carpet plug cutter. 3,786,564, 1-22-74, Cl. 30-124.000.

Achorn, Frank P.; and Anderson, J. Frank, Jr., to Tennessee Valley Authority. Ruminant direct feeding suspension supplement. 3,794,740, 2-26-74, Cl. 426-69.000.

Achsel, Eberhard; and Sommer, Siegfried, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning Process for the manufacture of film and fiber-forming polyesters. 3,836,574, 9-17-74, Cl. 260-475.00p.

Achterrath, Ute: *See*—
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Achterwinter, Werner: *See*—
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Achzehner, Robert Q. Candle mold. 3,806,078, 4-23-74, Cl. 249-97.000.

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A.C.I. Technical Pty., Limited: *See*—
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Acieries de Gennevilliers Anciens Etablissements C. Delachaux: *See*—
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Acieries de Paris & d'Ortreau. *See*—
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Metz, Paul; and Metz, Emile, 3,788,383.
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Ackard, David A.; and Stark, Donald E., to Westinghouse Air Brake Company. Failure detection for highway grade crossing signal systems. 3,838,271, 9-24-74, Cl. 246-125.000.

Acker, Donald F.; and Klein, Dietrich J., to SCM Corporation. Ultrasonic ribbon splicer. 3,821,048, 6-28-74, Cl. 156-73.000.

Acker, Donald J. Sofa with detachable bolster. 3,857,120, 12-31-74, Cl. 5-12.00r.

Acker, Douglas B.; and Berry, Trevis L., to Reliance Trailer Manufacturing, Inc. Apparatus for transporting building modules 3,795,336, 3-5-74, Cl. 214-390.000.

Acker, Douglas B.; and Berrry, Trevis L., to Reliance Trailer Manufacturing, Inc. Method for transproting building modules 3,834,111, 9-10-74, Cl. 52-747.000.

Acker, Douglas B. Dump truck having an open shell in the shape of one-half of an ellipse. 3,844,616, 10-29-74, Cl. 298-10.000

Acker Drill Company, Inc.: *See*—
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Acker, Ellsworth G.: *See*—
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Acker, Ellsworth G.; and Winyall, Milton E., to Grace, W. R., & Co Loosely aggregated 100 millimicron micellular silica. 3,787,561, 1-22-74, Cl. 423-339.000.

Acker, Ellsworth George, and Glemza, Rimantas, to Grace, W. R., & Co. Method of preparing thickening grade silica composition. 3,798,174, 3-19-74, Cl. 252-317.000.

Acker, Frederick L.: *See*—
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Acker, Jesse L.; and Meserol, Peter M., to Akro-Medic Engineering Corporation. Apparatus for evaluation of biological fluid. 3,837,745, 9-24-74, Cl. 356-201.000.

Acker, Jesse L.; and Meserol, Peter M., to Akro-Medic Engineering Corporation. Apparatus for evalutaion of biological fluid 3,837,746, 9-24-74, Cl. 356-201.000.

Acker, Norbert K., to Scanner, Inc. Code reading system. 3,800,282, 3-26-74, Cl. 340-146.30z.

Acker, Norbert Karl, to Scanner, Inc. Method and apparatus for identifying objects. 3,801,775, 4-2-74, Cl. 235-61.11e.
Acker, William F., to Honeywell Information Systems, Inc. Phase jitter compensator. 3,800,228, 3-26-74, Cl. 325-323.000.
Acker, William F., to Honeywell Information Systems, Inc. Precise frequency measuring analog circuit. 3,839,673, 10-1-74, Cl. 324-78.00e.
Ackerman, Albert C.; and Bowman, Walter J., to Mac Valves, Inc. Electrical disconnect means. 3,795,883, 3-5-74, Cl. 339-19.00p.
Ackerman, Daniel W., to Universal Instruments Corporation. Wire wrap tool. 3,788,367, 1-29-74, Cl. 140-124.000.
Ackerman, Don; and Grossman, Martin, to Economy Color Card Co. Inc. Wallpaper display apparatus. 3,808,710, 5-7-74, Cl. 35-55.000.
Ackerman, Jacob; and Radici, Pierino, to Societa' Italiana Resine S.I.R. S.p.A. Process for the recovery of formaldehyde and phenol contained in waste waters. 3,843,643, 10-22-74, Cl. 260-248.500.
Ackerman, James H., to Sterling Drug, Inc. Anilic acids of 3-substituted 2,4,6-triiodoanilines. 3,803,221, 4-9-74, Cl. 260-518.00a.
Ackerman, James H., to Sterling Drug Inc. Anilin acids of 3-substituted 2,4,6-triiodoanilines. 3,853,965, 12-10-74, Cl. 260-516.000.
Ackerman, James H., to Sterling Drug Inc. Iodinated 5-substituted-1,3-benzenediacrylic and -dipropionic acids. 3,856,853, 12-24-74, Cl. 260-518.00a.
Ackerman, Joseph A. Detasseling apparatus. 3,827,219, 8-6-74, Cl. 56-53.000.
Ackerman, Robert A.: *See—*
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Ackerman, Stanley C.; and Dunham, Thomas E., to General Electric Company. Vibration resistant lamp. 3,798,490, 3-19-74, Cl. 313-311.000.
Ackermann, Carl A.; and McPherson, Patrick F., to Blu-Ray, Incorporated. Diazo type copier. 3,804,515, 4-16-74, Cl. 355-101.000.
Ackermann, Guenter R., to Rohm and Haas Company. Preparation of sulfoxide sorbents. 3,857,823, 12-31-74, Cl. 260-79.30r.
Ackermann, Hans: *See—*
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Ackermann, Jacob; and Radici, Pierino, to Societa' Italiana S.I.R. S.p.A. Method of preparing high molecular weight polyoxymethylenes. 3,786,026, 1-15-74, Cl. 260-67.0fp.
Ackermann, Jacob; and Radici, Pierino, to Societa' Italiana S.I.R. S.p.A. Polymer stabilizers prepared from lactams or lactones and phenolic compounds. 3,819,573, 6-25-74, Cl. 260-45.90r.
Ackermann, Karl, to Bosch, Robert, Photokino G.m.b.H. Battery charging arrangement with automatic charge termination circuit having input ripple suppression. 3,783,365, 1-1-74, Cl. 320-39.000.
Ackermann, Paul, to Polycarbon Chemie GmbH. Process for the purification of gases. 3,793,808, 2-26-74, Cl. 55-89.000.
Ackermann, Walter Thomas, to Scovill Manufacturing Company. Zipper stringer for fly systems and system employing same. 3,827,085, 8-6-74, Cl. 2-234.000.
Ackermann, Walter Thomas, to Indevco Corporation. Automatically feeding lead pencil. 3,850,531, 11-26-74, Cl. 401-65.000.
Ackley, Donald M.: *See—*
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Ackley, Donald M., to Computer Communications, Inc. Method of manufacturing magnetic read-write heads. 3,785,047, 1-15-74, Cl. 29-603.000.
Ackley, Edward L., to Ackley Manufacturing Company. Fluid operated reciprocation motor. 3,800,662, 4-2-74, Cl. 91-1.000.
Ackley, John William, to Deere & Company. Coupling device. 3,827,724, 8-6-74, Cl. 280-511.000.
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Ackley, Richard H., to PPG Industries, Inc. Method of making a stampable reinforced sheet. 3,850,723, 11-26-74, Cl. 156-180.000.
Ackrell, Jack; Edwards, John A.; and Fried, John H., to Syntex Corporation. Novel C-16,17 spiro-orthoester steroids and preparation. 3,798,217, 3-19-74, Cl. 260-239.55d.
Ackroyd, Harry Briggs, to Scot Meat Products Limited. Apparatus for use in preparing cooked meat. 3,854,391, 12-17-74, Cl. 99-349.000.
Acks, Robert S.; and Quigley, Joseph C., to United States of America, Navy. Amp-hour meter. 3,805,157, 4-16-74, Cl. 324-141.000.
Acle, Luis, Jr., to International Harvester Company. Thermoplastic copolyimides. 3,793,281, 2-19-74, Cl. 260-25.00n.
Acme Conveyor Company, Inc.: *See—*
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Acme General Corporation: *See—*
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Acomb, Byron Hillen, to Union Carbide Corporation. Anti-surge oxygen cylinder valve. 3,841,353, 10-15-74, Cl. 137-630.000.
Acord, John C., IV. Method and apparatus for removing and tightening nut-type fasteners or the like. 3,815,211, 6-11-74, Cl. 29-427.000.
Acorn Building Components, Inc.: *See—*
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Acorn Engineering Company: *See—*
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Morris, Earl L.; and Sally, Theodore J., 3,849,809.
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Acosta, Adrian J. Stowable tiedown attachments for pickup truck bodies. 3,833,241, 9-3-74, Cl. 280-179.00a.
Acosta, Armando E., to Mortinson, Abner J. Foldable golf practice swing apparatus. 3,851,886, 12-3-74, Cl. 273-197.00a.
Acosta, Evelio, to Hydraulic Equipment Systems & Fabricating, Inc. Counterbalance apparatus for a refuse container lid. 3,850,336, 11-26-74, Cl. 220-335.000.
Acoustic Fiber Sound Systems, Inc.: *See—*
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Acoustifone Corporation: *See—*
Malmrose, Gerald E.; and Helgesson, Ulf R., 3,845,838.
Acquaviva, Thomas; and Kukucka, William P., to Xerox Corporation. Sorter control to prevent over-stacking in the sorter trays. 3,845,949, 11-5-74, Cl. 271-64.000.
Acraloc Corporation: *See—*
Andre, L. George; Barthalomew, Wayne R.; and Worline, Paul W., 3,795,085.
Acree, William L., to Burlington Industries, Inc. Cotton processing with improved procedure for reducing the byssinotic effect thereof. 3,802,030, 4-9-74, Cl. 19-66.0cc.
Acres, Gary James Keith; and Hutchings, Robert Michael, to Johnson, Matthey, & Co., Limited. Catalytic reactions. 3,806,582, 4-23-74, Cl. 423-239.000.
Acres, Gary James Keith, to Johnson, Matthey & Co., Limited. Catalyst comprising an intermediate coating of an oxide of scandium, yttrium or the lanthanides and a platinum/rhodium top coating. 3,839,225, 10-1-74, Cl. 252-432.000.
Acres, Gary James Keith, to Johnson, Matthey, & Co., Limited. Catalyst comprising platinum, rhodium and a base metal. 3,840,471, 10-8-74, Cl. 252-432.000.
AcRite Industries, Inc.: *See—*
Thun, Leonard; and Grebow, Leon David, 3,811,489.
Acrometal Products, Inc.: *See—*
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Mozina, Henry F.; and Blue, Frank L., 3,836,093.
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Acryltech, Incorporated, mesne: *See—*
Anderson, Travis H.; and Anderson, Harvey H., 3,817,806.
Acs, Steven N., to Allied Chemical Corporation. Heat and kinetic absorption lining for air bag. 3,814,458, 6-4-74, Cl. 280-150.0ab.
Acta Pty. Limited: *See—*
Wentworth, William Charles, 3,806,986.
Action Communication Systems, Inc.: *See—*
Allen, Chester C., Jr., 3,825,905.
Epstein, Barry M., 3,818,449.
Action Films, Inc.: *See—*
Komazaki, Tosio, 3,791,723.
Uitz, Mark O.; Ewry, Edwin E.; Link, William T.; and Sherlock, Hugh Paul, 3,819,257.
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Action Industries, Inc.: *See—*
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Active Garage Builders, Inc.: *See—*
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Acton, Daniel D., to Anchor Hocking Corporation. Composite closure. 3,799,381, 3-26-74, Cl. 215-241.000.
Acton, Edward M.; Yamamoto, Kazuko; and Stone, Herbert, to Stanford Research Institute. Sweeteners based on syn oximes of 4-(methoxysubstituted)-1-cyclohexene-1-carboxaldehydes. 3,833,654, 9-3-74, Cl. 260-566.00a.
Acton, Frank J.: *See—*
Marbach, Walter V.; Acton, Frank J.; Eichin, Harry P.; and Winokur, Louis L., 3,809,576.
Acton, Hugh C.; Knapp, Robert L.; Van Ryn, Arthur L.; and Hozeski, Kenneth W., to American Seating Company. Stacking chair. 3,847,433, 11-12-74, Cl. 297-2.9.000.
Acton, Ricahrd G.: *See—*
Kreidl, Ekkehard L.; and Acton, Ricahrd G., 3,817,717.
Actor, Philip Paul; Enrico, Cesare; and Pellerano, Giuseppe, said Actor assor. to Smithkline Corporation. Anticestode hydrazinoquinolines. 3,810,984, 5-14-74, Cl. 424-258.000.
Actric Limited: *See—*
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Griffiths, Philip John, 3,857,553.
Actron Industries, Inc.: *See—*
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Adac Company Limited: *See—*
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Adachi, Eiichi; and Saito, Kazutoshi, to Hitachi, Ltd. Method for diffusing Zn into a III-V compound semiconductor crystal through alumina masking. 3,794,533, 2-26-74, Cl. 148-175.000.
Adachi, Eiichi; and Saito, Kazutoshi, to Hitachi, Ltd. Method of manufacturing III-V compound semiconductor device. 3,808,059, 4-30-74, Cl. 148-187.000.
Adachi, Hiroshi; and Tsukamura, Yoshihiro, to Sony Corporation. Work holder for assembling a cathode ray tube envelope. 3,806,108, 4-23-74, Cl. 269-287.000.
Adachi, Katsuhiro: *See—*
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Adachi, Kazuma, to Kabushiki Kaisha Daikin Seisakusho. Dual spring device for preventing improper disengagement of clutch. 3,834,501, 9-10-74, Cl. 192-70.280.
Adachi, Kazuma, to Kabushiki Kaisha Daikin Seisakusho. Clutch assembly. 3,850,277, 11-26-74, Cl. 192-107.000.
Adachi, Kinichi; and Takaoka, Takeshi, to Matsushita Electric Industrial Co., Ltd. Heat-sensitive two color recording paper. 3,843,384, 10-22-74, Cl. 117-36.900.
Adachi, Kiyoshi: *See—*
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Adachi, Rai Reiji, to Sarco Canada Limited. Grease interceptor. 3,847,814, 11-12-74, Cl. 210-237.000.
Adachi, Richard R.: *See—*
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Adachi, Shigeru: *See—*
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Adachi, Shinichi, to Nippon Denko Co., Ltd. Method for insolubilizing water soluble chromate in chrome waste residue. 3,803,032, 4-9-74, Cl. 210-37.000.
Adachi, Takashi: *See—*
Koaze, Yoshihisa; Nakajima, Yotaka; Hidaka, Hideimasa; Niwa, Tomizo; Adachi, Takashi; Yoshida, Kenji; Ito, Jiro; Niida, Taro; Shomura, Takashi; and Ueda, Masahiro, 3,804,717.
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Adachi, Takeshi, to Nippon Gakki Seizo Kabushiki Kaisha. Tune keying and synthesizing system for electronic musical instrument. 3,790,693, 2-5-74, Cl. 84-1.010.
Adachi, Takeshi, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument having pedal tone prominence circuit. 3,803,338, 4-9-74, Cl. 84-1.170.
Adachi, Takeshi, to Nippon Gakki Seizo Kabushiki Kaisha. Apparatus for producing base tones in an electronic musical instrument. 3,835,236, 9-10-74, Cl. 84-1.240.
Adachi, Takeshi, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument with key-dependent time-variable delaying device. 3,835,237, 9-10-74, Cl. 84-1.240.
Adachi, Takeshi, to Nippon Gakki Seizo Kabushiki Kaisha. Envelope signal forming circuit. 3,848,142, 11-12-74, Cl. 307-294.000.
Adachi, Toshio: *See—*
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Adachi, Tsukasa; and Kasuya, Kazuhiko, to Ricoh Co., Ltd. Device for preventing soiling of the trailing end portion of a transfer sheet. 3,817,615, 6-18-74, Cl. 355-3.00r.
Adachi, Yasaburo: *See—*
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Adahan, Carmeli. Brake pressure modulator. 3,790,228, 2-5-74, Cl. 303-21.00f.
Adahan, Carmeli. Rate of change of velocity control system. 3,811,526, 5-21-74, Cl. 180-82.00r.
Adahan, Carmeli. Air brake pressure modulator. 3,820,856, 6-28-74, Cl. 303-21.00f.
Adahan, Carmeli. Solenoid powered brake pressure modulator. 3,847,449, 11-12-74, Cl. 303-21.00f.
Adair, James C.; and Luke, Robert R., to Shell Oil Company. Method of placing explosive charges. 3,804,182, 4-16-74, Cl. 175-1.000.
Adair, James C.; and Luke, Robert R., to Shell Oil Company. Apparatus for forming and loading a shot-hole. 3,856,095, 12-24-74, Cl. 175-203.000.
Adair, James R., to Wean United, Inc. Shear. 3,788,181, 1-29-74, Cl. 83-554.000.
Adair, John D., to Singer Company, The. Switch closure divice for meters. 3,835,372, 9-10-74, Cl. 324-28.00r.
Adair, Paul F., to Aeordex, Incorporated. Deceleration fuel flow and emission control for internal combustion engines. 3,823,699, 7-16-74, Cl. 123-119.0db.
Adalbert, Gerhard: *See—*
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Linder, Ernst; Adalbert, Gerhard; and Hess, Jurgen, 3,834,846.
Adalbert, Gerhard; Hess, Jurgen; and Linder, Ernst, to Bosch, Robert, G.m.b.H. Pressure-sealed compressor. 3,852,003, 12-3-74, Cl. 418-93.000.
Adam, Helmut; Ortlieb, Alfred; and Traub, Eberhard, to Bosch, Robert, G.m.b.H. Vapor-deposition apparatus. 3,854,442, 12-17-74, Cl. 118-49.000.
Adam, Marie Henri Hubert, to Societe Anonyme l'Eclairage Technique. Light fixtures. 3,808,423, 4-30-74, Cl. 240-25.000.
Adam, Marie Henri Hubert, to Societe Anonyme L'Eclairage Technique. Masts for supporting projectors. 3,827,197, 8-6-74, Cl. 52-29.000.
Adam, Marie Henri Hubert, to Societe Anonyme l'Eclairage Technique. Lighting fixture having a lamp support independent of the reflector. 3,832,538, 8-27-74, Cl. 240-25.000.
Adam, Marie Henri Hubert, to Societe Anonyme l'Eclairage Technique. Light fixtures. 3,836,954, 9-17-74, Cl. 240-25.000.
Adam, Marie Henri Hubert, to Societe Anonyme l'Eclairage Technique. Reflector for light fixtures. 3,857,030, 12-24-74, Cl. 240-103.00b.
Adam, Milton F., to United States of America, Atomic Energy Commission. Grip accessory for remote-control manipulator tongs. 3,815,761, 6-11-74, Cl. 214-1.0cm.
Adamek, Edward George, to Du Pont of Canada Limited. Separation of dicarboxylic acids. 3,818,081, 6-18-74, Cl. 260-537.00p.
Adamek, Victor. Motorbike loader-carrier. 3,837,513, 9-24-74, Cl. 214-450.000.
Adamic, Anthony. Device for melting and preventing the formation of ice in the area of the edge of a roof. 3,795,271, 3-5-74, Cl. 165-47.000.
Adamovske strojirny, narodni podnik: *See—*
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Jiruse, Jaroslav, 3,843,116.
Jurny, Josef; and Sedlak, Vaclav, 3,782,280.
Jurny, Josef, 3,829,084.

Adamowicz, Norman C.; Klein, Roy W.; and Tremmel, Robert A., to Oxy Metal Finishing Corporation, mesne. Electrodeposition of cobalt. 3,814,674, 6-4-74, Cl. 204-43.00t.

Adamowicz, Norman Charles: *See*—
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Adams & Westlake Company, The: *See*—
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Adams, Albert; and Chowning, Edward A., to International Minerals & Chemical Corporation. Method of forming taconite pellets with a double sulfate salt binder. 3,819,360, 6-25-74, Cl. 75-3.000.

Adams, Albert John, to Chapman, A. W., Limited. Seal slide catch mechanism. 3,843,087, 10-22-74, Cl. 248-430.000.

Adams, Albert John, to Chapman, A. W., Limited. Adjustable height seat. 3,847,338, 11-12-74, Cl. 248-419.000.

Adams, Alfred O., 50% to Adams, Roy J. Flower pot with water reservoir. 3,800,471, 4-2-74, Cl. 47-38.000.

Adams, Alonzo Theodore, to Goodmark, Inc. Process for making pork sausage. 3,804,958, 4-16-74, Cl. 426-371.000.

Adams, Alton A.: *See*—
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Adams, Alton T.: *See*—
Karmann, Thomas R.; and Adams, Alton T., 3,802,239.
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Adams, Arnold G.: *See*—
Fiddler, Theodore E.; and Adams, Arnold G., 3,824,356.
Fiddler, Theodore E.; and Adams, Arnold G., 3,845,257.

Adams, Arnold G., to Fiddler, Theodore E. Momentarily closing switch apparatus. 3,828,155, 8-6-74, Cl. 200-160.000.

Adams, Benjamin Baker, Jr., to RCA Corporation. Filamentary cathode mount and mounting method. 3,783,327, 1-1-74, Cl. 313-272.000.

Adams, Cecil B.: *See*—
Swain, James C.; and Adams, Cecil B., 3,790,314.

Adams, Cecil E., Swain, James C.; and Wilcox, Jack W., to Abex Corporation Vane pump with ramp on minor diameter. 3,785,758, 1-15-74, Cl. 418-260.000.

Adams, Charles Wesley, to Lubrizol Corporation, The. Process for preparing high molecular weight carboxylic compositions. 3,787,374, 1-22-74, Cl. 260-78.40d.

Adams, Clarence Maurice, to Swiss Aluminium Ltd., mesne. Universal lock device for right hand or left hand applications. 3,841,768, 10-15-74, Cl. 403-3.000.

Adams, Crawford W.; and Holt, David T.; deceased (by Holt, Myrtle; executrix). Elevator bracket for outboard motor. 3,809,343, 5-7-74, Cl. 248-4.000.

Adams, Don, III; and Smith, Robert J., to Chrysler Corporation. Energy absorbing steering column. 3,850,049, 11-26-74, Cl. 74-492.000.

Adams, Edward F.; Bush, Edward A.; and Clayton, Thomas G., to Corning Glass Works. Manufacture of ceramic article. 3,839,001, 10-1-74, Cl. 65-33.000.

Adams, Frank H.; and Anderson, Robert F., to Universal Oil Products Company. Metal, sulfur and nitrogen removal from hydrocarbons utilizing moving bed reactors. 3,795,607, 3-5-74, Cl. 208-210.000.

Adams, Frederick John, to Cam Gears Limited. Integral power steering gear. 3,832,936, 9-3-74, Cl. 91-375.00a.

Adams, Frederick John, to Cam Gears Limited. Steering gears. 3,834,727, 9-10-74, Cl. 280-96.000.

Adams, Frederick John; and Alderton, Howard Kenneth, to Cam Gears Limited. Collapsible steering columns. 3,851,542, 12-3-74, Cl. 74-492.000.

Adams, Gary V.: *See*—
Thurston, James R.; and Adams, Gary V., 3,797,394.

Adams, George C., to Rollform Incorporated. Ceiling grid system expansion joint. 3,846,031, 11-5-74, Cl. 403-28.000.

Adams, George R.; and Meisenbach, William T., to Armstrong Cork Company. Sound-absorbing wedge. 3,819,010, 6-25-74, Cl. 181-33.0gd.

Adams, George R.; and Meisenbach, William T., to Armstrong Cork Company. Sound-absorbing wedge. 3,857,459, 12-31-74, Cl. 181-33.0gd.

Adams, Gerald E.; Borton, Robert O.; Dabrowski, Alfred J., Jr.; Falkenau, Vernon A.; and Flood, James H., to Uniroyal, Inc. Fluidized bed coating apparatus. 3,832,974, 9-3-74, Cl. 118-408.000.

Adams, Glen O., to General Electric Company. Motor arrangement and lubrication system for oscillatory compressor. 3,814,550, 6-4-74, Cl. 417-417.000.

Adams, Gregory J. Motorcycle solo seat. 3,844,610, 10-29-74, Cl. 297-213.000.

Adams, Guy; and Defilippis, Joseph, to Solitron Devices, Inc. Solid state ignition. 3,853,108, 12-10-74, Cl. 123-148.00e.

Adams, Guy, to Solitron Devices, Inc. Electronic ignition system. 3,854,465, 12-17-74, Cl. 123-148.00e.

Adams, Guy E.: *See*—
Friedman, Benjamin; and Adams, Guy E., 3,854,119.

Adams, Guy E., to Solitron Devices, Inc. Electronic ignition system. 3,828,751, 8-13-74, Cl. 123-148.00e.

Adams, Harold W., to Reynolds Metals Company. Steel supported aluminum overhead conductors. 3,813,481, 5-28-74, Cl. 174-130.000.

Adams, Harold W., to Reynolds Metals Company. Method of forming steel supported aluminum overhead conductors. 3,813,772, 6-4-74, Cl. 29-624.000.

Adams, Harry A.; Kunchal, Kumar; and Callahan, James L., to Standard Oil Company, The. Removal of ammonia and organic impurities from an ammonia plant effluent. 3,812,236, 5-21-74, Cl. 423-237.000.

Adams, Herbert J. F.; Kronberg, George H.; and Takman, Bertil H., to Astra Pharmaceutical Products, Inc. Acylxylidide local anaesthetics. 3,812,147, 5-21-74, Cl. 260-326.300.

Adams, Heribert: *See*—
Koenig, Walter; and Adams, Heribert, 3,841,415.

Adams, Hunter D., to Zany Productions, Inc. Apparatus. 3,826,250, 7-30-74, Cl. 128-24.200.

Adams, J. Henry. Rolling pin. 3,831,238, 8-27-74, Cl. 29-110.500.

Adams, J. Henry. Plant starting apparatus. 3,849,932, 11-26-74, Cl. 47-37.000.

Adams, James E.: *See*—
Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, 3,803,050.
Haas, Werner E. L.; Flannery, John B., Jr.; Mechlowitz, Bela; and Adams, James E., 3,816,113.
Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, 3,843,230.
Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, 3,843,233.
Haas, Werner E. L.; and Adams, James E., 3,854,751.

Adams, James E.; Becker, James H.; and Haas, Werner E. L., to Xerox Corporation. Liquid crystal display system. 3,836,230, 9-17-74, Cl. 350-160.0lc.

Adams, James E., Jr.: *See*—
Haas, Warner E. L.; Adams, James E., Jr.; and Flannery, John B., Jr., 3,842,275.

Adams, James E., Jr.; and Haas, Werner E. L., to Xerox Corporation. Method of controlling monochromatic collimated light by controlling the light reflection band of a liquid crystal. 3,848,965, 11-19-74, Cl. 350-160.0lc.

Adams, James M.; Hopper, Randall R.; Raley, Garland E.; and Rutherford, James K., to Ethyl Corporation. Apparatus for embossing plastic material. 3,849,050, 11-19-74, Cl. 425-363.000.

Adams, James R.: *See*—
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Adams, James S.: *See*—
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Adams, Jay C., to Ranco Incorporated. Thermal sensing device for control circuits. 3,789,340, 1-29-74, Cl. 338-28.000.

Adams, Jerry. Dispenser and holder bracket. 3,799,466, 3-26-74, Cl. 242-55.200.

Adams, Jim Mills, to Hoffmann-La Roche Inc. Reflectometer for online analysis of granular powders. 3,817,628, 6-18-74, Cl. 356-210.000.

Adams, John A., Jr.; Lee, Ernest O., Jr.; and Wichlajew, Karl, to Stromberg-Carlson Corporation. Dial up conference circuit. 3,792,202, 2-12-74, Cl. 179-18.0bc.

Adams, John H., to Chevron Research Company. Hydraulic oil. 3,843,542, 10-22-74, Cl. 252-75.000.

Adams, John Howard, to Chevron Research Company. Lubricant containing alkali metal borate dispersed with a mixture of dispersants. 3,853,772, 12-10-74, Cl. 252-18.000.

Adams, John Q., IV. Bandage dispensing package. 3,835,992, 9-17-74, Cl. 206-390.000.

Adams, John R., deceased (by United States National Bank). Veneer conveying method. 3,830,489, 8-20-74, Cl. 271-9.000.

Adams, John Walker. Stand for motorcycle wheels. 3,789,894, 2-5-74, Cl. 144-288.00a.

Adams, Joseph H.: *See*—
Kurtz, Leonard D.; and Adams, Joseph H., 3,807,273.

Adams, Joseph H.; and Kurtz, Leonard D., to Sutures, Inc. Method of fabricating pliable polyfilamentous plastic strands. 3,839,524, 10-1-74, Cl. 264-131.000.

Adams, Karl-Heinz: *See*—
Bossert, Friedrich; Vater, Wulf; Bauer, Kurt; and Adams, Karl-Heinz, 3,784,684.

Adams, Kenneth D.; and D'Orio, Salvatore A., to Singer Company, The. Simplified basting stitch mechanism. 3,782,311, 1-1-74, Cl. 112-158.00r.

Adams, Kenneth D., to Singer Company, The. Presser bar pressure control modules. 3,793,969, 2-26-74, Cl. 112-235.000.

Adams, Kenneth D.; Bradus, Robert; and Winar, Joseph J., to Singer Company, The. Cam selection module. 3,795,210, 3-5-74, Cl. 112-158.00d.

Adams, Kenneth D.; and Brockman, John P., to Singer Company, The. Manual needle elevating device. 3,815,529, 6-11-74, Cl. 112-158.00r.

Adams, Kenneth D.; and Herron, William L., to Singer Company, The. Work feed control mechanism. 3,834,334, 9-10-74, Cl. 112-210.000.

Adams, Kenneth D.; and Greulic, Robert G., to Singer Company, The. Needle thread tensioning module for lock stitch sewing machines. 3,841,248, 10-15-74, Cl. 112-254.000.

Adams, Kevin L.; and Wright, Ronald S. Three man chess game apparatus. 3,836,149, 9-17-74, Cl. 273-131.0ab.

Adams Laboratories, Inc.: *See*—
Garrett, Roger L.; Garrett, Charles B., Jr.; and Rubin, Alan B., 3,830,789.

Adams, Larry D. Beam hanger construction. 3,834,102, 9-10-74, Cl. 52-311.000.

Adams, Leonard H.: *See*—
Schneider, Kurt A.; Adams, Leonard H.; and Hilpert, Conrad R., 3,851,739.

Adams, Leonard, Jr.: *See*—
Alexander, John D.; and Adams, Leonard, Jr., 3,801,394.

Adams, Leslie R., to Motor Wheel Corporation. Method of making mold. 3,815,200, 6-11-74, Cl. 29-159.00a.

Adams, Lloyd M.: *See*—
Douglas, James R.; Adams, Lloyd M.; Mycek, Edward G.; and Grafton, David A., 3,814,514.

Adams, Max Martin; and Duncan, Vernon Robert, to General Electric Company. Stall protector system for a gas turbine engine. 3,852,958, 12-10-74, Cl. 60-39.28r.

Adams, Max S.; and Wicher, Gunther, to Coloroptics, Inc. Facsimile recorder with compensation of the electrosensitive blank nonliner applied voltage-burn characteristic. 3,823,262, 7-9-74, Cl. 178-6.60r.

Adams, Norbert: *See*—
Intrator, Alexander M.; and Adams, Norbert, 3,781,978.

Adams, Norbert; and Baum, Edward A., to General Electric Company. Electrostatic bonding process. 3,783,218, 1-1-74, Cl. 219-10.530.

Adams, Patrick J., to Artex Hobby Products, Inc. Fluid applicator pressure control device. 3,854,826, 12-17-74, Cl. 401-188.000.

Adams, Paul B.; Justice, Benjamin; and Marusak, Francis J., to Corning Glass Works. Self-degradable glass containers. 3,824,106, 7-16-74, Cl. 106-52.000.

Adams, Peter F.: *See*—
Kortschot, Cornelis; and Adams, Peter F., 3,840,673.

Adams, Phillip: *See*—
Merianos, John J.; Shay, Edward Griffin; Adams, Phillip; and Petrocci, Alfonso N., 3,790,678.
Merianos, John J.; and Adams, Phillip, 3,821,407.
Merianos, John J.; and Adams, Phillip, 3,838,197.

Adams, Phillip; and Petrocci, Alfonso N., to Millmaster Onyx Corporation. Microbiocidal naphthenyl imidazolines. 3,788,989, 1-29-74, Cl. 252-33.000.

Adams, Phillip; and Petrocci, Alfonso N., to Millmaster Onyx Corporation. Metal-working fluids containing microbiocidal naphthenyl imidazolines. 3,827,874, 8-6-74, Cl. 71-76.000.

Adams, Pierrepont, to Olin Corporation. Purification of isocyanates by reducing the hydrolyzable chlorine and acid content. 3,799,963, 3-26-74, Cl. 260-453.0sp.

Adams, Ralph D. Drill feed control. 3,804,544, 4-16-74, Cl. 408-14.000.

Adams, Renard P. Atmospheric pressure filter. 3,850,803, 11-26-74, Cl. 210-142.000.

Adams, Richard C.: *See*—
Monahan, Thomas J.; and Adams, Richard C., 3,837,552.

Adams, Richard C.; Snowman, David R.; Ambler, James R.; and Houle, Philip J., to Schjeldahl, G. T., Company. Bag loading mandrel. 3,796,140, 3-12-74, Cl. 93-32.000.

Adams, Richard C.; Kachik, Robert H.; Pignocco, Arthur J.; and Rall, Waldo, to United States Steel Corporation. Apparatus for containing the molten reaction products of a reactive cladding process. 3,856,076, 12-24-74, Cl. 164-332.000.

Adams, Richard J., to Beloit Corporation. Roll surface maintenance. 3,839,941, 10-8-74, Cl. 90-12.00r.

Adams, Robert B., to Moore Products Co. Flowmeter. 3,855,859, 12-24-74, Cl. 73-194.00b.

Adams, Robert D.: *See*—
Rabett, Reginald George Edward, 3,856,107.

Adams, Robert E., to Columbia Precision Corporation. Comminuter with high shear rotor and stator. 3,788,563, 1-29-74, Cl. 241-46.110.

Adams, Robert E., to Columbia Precision Corporation. Ultra fine colloid mill. 3,788,565, 1-29-74, Cl. 241-46.110.

Adams, Robert E.; Bragg, Gary O.; Jones, Nelson A.; and Treick, Roger E., to Caterpillar Tractor Company. Anti-noise rocker arm cover. 3,822,763, 7-9-74, Cl. 181-33.00k.

Adams Robert T.; Heath, William A.; and Wuopio, Richard A., to Chevron Research Company. Isobutane oxidation to produce alcohol useful in motor fuel. 3,829,510, 8-13-74, Cl. 260-632.00c.

Adams, Robert W.: *See*—
Gregorovich, Charles J.; and Adams, Robert W., 3,797,623.

Adams, Roger William, to English Clays Lovering Pochin & Company, Limited. Drying and subsequent redispersion of materials. 3,850,655, 11-26-74, Cl. 106-309.000.

Adams, Ronald E.; and Wilson, Eugene M., to Caterpillar Tractor Company. Bulldozer blade with vibrating ripper shank. 3,857,447, 12-31-74, Cl. 172-777.000.

Adams, Roy J.: *See*—
Adams, Alfred O., 3,800,471.

Adams, Rudolph J.: *See*—
Sauveur, Omer G.; and Adams, Rudolph J., 3,834,643.

Adams, Samuel C.: *See*—
Keenan, Daniel J.; and Welzein, Norman F. (said Welzein assor. to), 3,811,417.

Adams, Samuel Frank, to Heatransfer Corporation. Automobile air conditioning system. 3,817,054, 6-18-74, Cl. 62-243.000.

Adams, Stanley B.: *See*—
Jorgensen; Stanley A.; and Adams, Stanley B., 3,789,946.

Adams, Stanley B., to Caterpillar Tractor Company. Roll-over protection structure with deformable legs. 3,791,668, 2-12-74, Cl. 280-150.00c.

Adams, Stewart Sanders; Armitage, Bernard John; Nicholson, John Stuart; and Ribera, Antonio, to Boots Pure Drug Company, Limited. Therapeutically active phenylalkane derivatives. 3,784,705, 1-8-74, Cl. 424-317.000.

Adams, Stewart Sanders; Armitage, Bernard John, Nicholson, John Stuart; and Blancafort, Antonio Ribera. Therapeutically active phenylalkane derivatives. 3,793,457, 2-19-74, Cl. 424-317.000.

Adams, Stewart Sanders; Armitage, Bernard John; Nicholson, John Stuart; and Blancafort, Antonio Ribera, to Boots Company, Limited, The. 2-(4'-Chloro-4-biphenylyl) propionic acid. 3,821,293, 6-28-74, Cl. 260-515.00a.

Adams, Stewart Sanders; Armitage, Bernard John, Bristow, Norman William; and Heathcote, Bernard Vincent, to Boots Company Limited, The. Xanthenyl semicarbazides as gastric antisecretory agents. 3,842,178, 10-15-74, Cl. 424-283.000.

Adams, Stewart Sanders; Armitage, Bernard John; Bristow, Norman William; and Heathcote, Bernard Vincent. Xanthen derivatives. 3,855,244, 12-17-74, Cl. 260-335.000.

Adams, Stewart Sanders; Armitage, Bernard John; Bristow, Norman William; and Heathcote, Bernard Vincent, to Boots Company Limited, The. Thiaxanthene derivatives useful for treating peptic ulcers. 3,855,406, 12-17-74, Cl. 424-35.000.

Adams, Tavert A., to Aluminum Company of America. Removal of iron from sodium aluminate liquor. 3,796,789, 3-12-74, Cl. 423-122.000.

Adams, Terence Ernest: *See*—
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Adams, Theodore J.: *See*—
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Adams, Thomas H.; and Miller, Warren K., to Du Pont de Nemours, E. I., and Company. Removing substances from a liquid by precipitation in porous glass beads. 3,794,467, 2-26-74, Cl. 23-230.00r.

Adams, Whitney R., to Scott Paper Company. Pyrolyzed structures. 3,788,938, 1-29-74, Cl. 161-159.000.

Adams, Willi: *See*—
Schruff, Horst; Lehmann, Helmut; Siefen, Jakob; Mathner, Hermann; Adams, Willi; and Weib, Gunter, 3,821,047.

Adams, William, & Company Limited (Manufacturing Division): *See*—
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Adams, William E.: *See*—
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Adams, William E.; Tufte, Vernon L.; and Tufte, Paul A. Personal medical record carrier. 3,810,566, 5-14-74, Cl. 224-28.00b.

Adams, William M. Timing circuit. 3,814,950, 6-4-74, Cl. 307-141.000.

Adams-Russell Co., Inc.: *See*—
Parisi, Frank E., 3,835,423.
Patterson, William L., 3,783,321.

Adamsbaum, Andre: *See*—
Deschamps, Jacques Desire; and Adamsbaum, Andre, 3,805,261.

Adamski, Diane L.: *See*—
Weber, Fred A., Caputo, James P.; Eddy, John W.; Harrington, Phil R.; O'Toole, Gerald; Puccini, Sergio E., and Adamski, Diane L., 3,819,865.

Adamski, Henry S.; and Kindig, Guilford E., to Eastman Kodak Company. Film unit processing mechanism. 3,810,210, 5-7-74, Cl. 354-86.000.

Adamson, Arthur P.: *See*—
Campbell, William B.; and Adamson, Arthur P., 3,794,444.

Adamson, Charles E.: *See*—
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Adamson, David L.; and Tuddenham, William M., to Kennecott Copper Corporation. Electrowinning cell and method with provision for electrolyte circulation. 3,832,296, 8-27-74, Cl. 204-106.000.

Adamson, Fletcher D., to Russell Mills, Inc. Apparatus for folding and stacking garment parts. 3,794,224, 2-26-74, Cl. 223-37.000.

Adamson, Gerald James; and O'Grady, James Kenneth, to Filter Queen Corporation, Limited, The. Apparatus for scrubbing rugs, floors and the like. 3,849,823, 11-26-74, Cl. 15-50.00r.

Adamson, Gerald P., to Dresser Industries, Inc. Circuit for suppression of spurious pulses resulting from relay operation. 3,790,821, 2-5-74, Cl. 307-247.00a.

Adamson, Gerald P., to Dresser Industries, Inc. Digital count rate meter and depth delay system for well logging. 3,824,533, 7-16-74, Cl. 340-18.0dc.
Adamson, James L. Aquarium cleaning device. 3,826,371, 7-30-74, Cl. 210-169.000.
Adamson, James R., Jr., to United States of America, Army. Oscilloscope camera 35mm film recorder adapter. 3,834,812, 9-10-74, Cl. 355-46.000.
Adamson, Michael J.: *See—*
Reinisch, Ronald F.; Gloria, Hermilo R.; Goldsberry, Ronald E.; and Adamson, Michael J., 3,803,090.
Adamson, Shelby D.: *See—*
Harris, Paul M.; and Adamson, Shelby D., 3,839,015.
Harris, Paul M.; and Adamson, Shelby D., 3,857,779.
Adamson, William George. Bath unit for use by invalids. 3,801,995, 4-9-74, Cl. 4-185.001.
Adaptive Technology, Inc.: *See—*
Abramson, Carl Newton; and Nadir, Mark T., 3,787,627.
Adaptronics, Inc.: *See—*
Barron, Roger L.; and Cleveland, Dixon, 3,794,271.
Adar, Inc.: *See—*
Cernek, Edward, Jr., 3,832,629.
Denny, Robert B., 3,858,117.
Aday, Roy W., Jr. Fluid sample flow cell. 3,822,947, 7-9-74, Cl. 356-246.000.
Adcock, James F. Dozer-type clearing blade having replaceable teeth. 3,804,138, 4-16-74, Cl. 144-34.00f.
Adde, Joseph, to Campagnie des Freins et Signoux Westinghouse. Method and apparatus for preventing wheel slip. 3,819,004, 6-25-74, Cl. 180-82.00r.
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Tingley, William E.; and Addiego, Joseph, 3,792,810.
Addinall, Ramon Leonard; Lewis, William Trevor; and Mudroch, Otokar, to Steel Company of Canada Limited, The. Coated steel product. 3,826,628, 7-30-74, Cl. 29-195.000.
Addis, Carl J. Eviscerating and skinning knife. 3,839,788, 10-8-74, Cl. 30-287.000.
Addis, Gilbert L.; and Fairbanks, George M., to Thomas & Betts Corporation. Concentric member assembly. 3,807,775, 4-30-74, Cl. 285-96.000.
Addison, George E., to Universal Oil Products Company. Catalyst removal in moving bed processes. 3,849,295, 11-19-74, Cl. 208-166.000.
Addison Products Company: *See—*
Gemender, John F.; and Schwenker, Eric H., 3,813,893.
Addmaster Corporation: *See—*
Clary, John G., 3,838,638.
Gearheart, John D.; and Takenaka, George, 3,819,912.
Scozzafava, Milton V., 3,842,620.
Takenaka, George; and Gearheart, John D., 3,840,164.
Addoms, John F.; and Culver, Donald W., to Aerojet General Corporation. Actively cooled anode for current-carrying component. 3,845,341, 10-29-74, Cl. 313-32.000.
Addor, Roger Williams; and Drabb, Thomas Walter, Jr., to American Cyanamid Company. Aralkylthiovinyl phosphorothioates used as insecticides and acaricides. 3,792,162, 2-12-74, Cl. 424-216.000.
Addor, Roger Williams; and Lamb, Glentworth, to American Cyanamid Company. Thiosemicarbazone fungicides. 3,824,317, 7-16-74, Cl. 424-277.000.
Addressograph-Multigraph Corporation: *See—*
Andrako, Thomas E., 3,855,969.
Blanchette, Robert G., 3,841,871.
Bradshaw, Randolf F., 3,831,008.
Brenneman, Richard S.; Lovering, David W.; and Barr, Frederick E., 3,854,975.
Browning, Luther C., 3,811,880.
Burger, Jack E.; Howe, Warren B.; and Kyle, William, 3,804,005.
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Dragan, Thomas C., 3,802,638.
Granzow, Daniel B.; Malloney, William R.; and Miles, William B., 3,845,239.
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Kolibas, James A., 3,799,791.
Kolibas, James A., 3,825,338.
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Kolibas, James Andrew, 3,826,570.
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Roteman, Jerome; and Gogola, Joseph K., 3,846,151.
Sargis, John R., 3,838,921.
Schulze, Erwin F., 3,815,900.
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Weber, Charles F.; and Sherman, Carl W., 3,854,661.
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Addressograph-Multigraph Corporation, mesne: *See—*
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Adducci, Anthony J.; and Schwalm, Arthur W., to Cardiac Pacemakers, Inc. Metal-enclosed cardiac pacer with solid-state power source. 3,822,707, 7-9-74, Cl. 128-419.00p.
ADE Corporation: *See—*
Abbe, Robert C., 3,805,150.
Abbe, Robert C., 3,812,424.
Abbe, Robert C., 3,815,111.
Ade, Rolf; and Gakenholz, Werner, to SWF-Spezialfabrik fur Autozubehor Gustav Rau GmbH. Safety belt regulating apparatus. 3,821,621, 6-28-74, Cl. 318-261.000.
Ade, Willy. Car coupling means with means for transmitting push-pull strains to the car body. 3,822,501, 7-9-74, Cl. 46-221.000.
Adelhed, Ter Je Roj Enok, to Siemens Aktiengesellschaft. Connecting device for a catheter. 3,785,683, 1-15-74, Cl. 285-169.000.
Adelizzi, Richard S., to Westinghouse Electric Corporation. Disc retainer device. 3,822,953, 7-9-74, Cl. 403-356.000.
Adelman, Robert Leonard, to Du Pont de Nemours, E. I., and Company. Interpolymers of vinyl fluoride, vinyl esters and unsaturated carboxylic acids. 3,801,550, 4-2-74, Cl. 260-78.50r.
Adelmann, Robert Witsenhausen, to Societe Anonyme de Recherches de Mecanique Appliquee. Ski-stick and associated looped carrier strap. 3,825,276, 7-23-74, Cl. 280-11.37h.
Adelsberg, Lee M.; Carson, Michael C.; Forker, Ray B., Jr.; and Rittler, Hermann L., to Corning Glass Works. Preform core bodies. 3,833,385, 9-3-74, Cl. 106-38.900.
Ademino, James N.: *See—*
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Ader, William R.; and Krygowski, Richard P., to Ford Motor Company. Quick-heat engine intake manifold. 3,827,416, 8-6-74, Cl. 123-122.00a.
Adey, Anthony John, to C.A.V. Limited. Drive circuit for conducting devices. 3,795,826, 3-5-74, Cl. 307-268.000.
Adickes, Cecil F.: *See—*
Bruce, Roger K.; Marhold, Werner; and Adickes, Cecil F., 3,849,053.
Adickes, Cecil F., to Hasbro Industries, Inc. Toy article. 3,805,444, 4-23-74, Cl. 46-155.000.
Adickes, Edward J.; deceased (by Adickes, Elizabeth A.; administratrix). Locks, for fliding members. 3,837,693, 9-24-74, Cl. 292-207.000.
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Adien, Charles A.; Fischer, Rickey A.; and Fischer, Logan H. Noise making fishing lure and method thereof. 3,802,115, 4-9-74, Cl. 43-42.310.
Adiutori, Eugene F., to Diamond Power Specialty Corporation. Soot blower with gas temperature or heat flow detecting means. 3,827,102, 8-6-74, Cl. 15-317.000.
Adjustable Bushing Corporation: *See—*
Pitzer, Kenneth H.; and Kuever, Paul H., 3,806,107.
Adkins, James D.; Bedenbaugh, Angela O.; Bedenbaugh, John H.; and Bergin, Willie A. Conversion of saturated carboxylic acids to N-alkylated aldimines. 3,819,704, 6-25-74, Cl. 260-566.00r.
Adkins, Russell M., to Westinghouse Air Brake Company. Microminiature polarized relay. 3,813,620, 5-28-74, Cl. 335-78.000.
Adkins, William J.; and Carter, Charles N., to Corning Glass Works. Priority interrupt system. 3,815,105, 6-4-74, Cl. 340-172.500.
Adlaf, Paul C., to Kendall Company, The. Foley catheter containing cholesterol. 3,837,346, 9-24-74, Cl. 128-349.00r.
Adlam, Francis Charles, to E. M. Partners A.G. Wall coping. 3,818,663, 6-25-74, Cl. 52-300.000.
Adler, Alan J., to Acurex Corporation. Apparatus for measuring the torsion of a rotating shaft. 3,850,030, 11-26-74, Cl. 73-136.00a.
Adler, Edwin I., to Atlas Braid Company. Tension let off device for a knitting machine. 3,793,852, 2-26-74, Cl. 66-152.000.
Adler, Franklin P., to Pullman Transport Leasing Company. Gravity discharge arrangement for hoppers. 3,788,530, 1-29-74, Cl. 222-508.000.

Adler, Franklin P., to Pullman Transport Leasing Company. Freight car with depressed center section. 3,814,028, 6-4-74, Cl. 105-366.00r.
Adler, Franklin P., to Pullman Transport Leasing Company. Hatch cover. 3,821,935, 7-2-74, Cl. 105-377.000.
Adler, Fred P.; and Craven, William A., Jr., to Hughes Aircraft Company. Heat or light source tracking device. 3,853,405, 12-10-74, Cl. 356-152.000.
Adler, Harold J., to Alcon Metal Products, Inc. Tube sockets for use with printed circuit boards. 3,818,278, 6-18-74, Cl. 317-101.0cc.
Adler, Hermann, to Haefely, Emil, & Cie AG. Apparatus for focussing the beam of a particle accelerator. 3,810,030, 5-7-74, Cl. 328-228.000.
Adler, Irwin L., to General Foods Corporation. Percolation process. 3,798,341, 3-19-74, Cl. 426-432.000.
Adler, Jason A.; and Bartlett, David R., to Royal Industries, Inc. Magnetic position indicator. 3,857,089, 12-24-74, Cl. 324-34.0ps.
Adler,. Jurgen; Erck, Karl; Klebba, Horst; Kramer, Wolfgang; Maneck, Ernst; Mueller-Eckhardt, Hans; and Schwenk, Kurt, to Volkswagenwerk Aktiengesellschaft. Automotive window assembly and process. 3,783,568, 1-8-74, Cl. 52-400.000.
Adler, Jurgen; Erck, Karl; and Schwenk, Jurt, to Volkswagenwerk Aktiengesellschaft. Window assembly especially for an automobile. 3,802,143, 4-9-74, Cl. 52-400.000.
Adler, Kalus: *See—*
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Adler, Karl; and Ducommun, Georges, to Biviator S.A., mesne. Timepiece having a nuclear power source. 3,791,134, 2-12-74, Cl. 58-23.0ba.
Adler, Karl; and Ducommun, Georges, to Biviator S.A. Electric timepiece assembly. 3,805,511, 4-23-74, Cl. 58-23.00d.
Adler, Karl; and Ducommun, Georges, to Biviator S.A. Method and apparatus for measuring the critical flicker fusion frequency. 3,814,510, 6-4-74, Cl. 351-36.000.
Adler, Karl; and Ducommun, Georges, to Biviator S.A. Instrument for measuring ultra-violet light. 3,851,970, 12-3-74, Cl. 356-51.000.
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Adler, Norman; Morgenthau, John L., Jr.; and Gold, Paul A., to New England Nuclear Corporation. Radioactive gas dispensing device. 3,848,773, 11-19-74, Cl. 222-1.000.
Adler, Norman; and Camin, Leopoldo Lazaro, to New England Nuclear Corporation. Bone seeking technetium 99m stannous phosphate complex. 3,851,044, 11-26-74, Cl. 423-249.000.
Adler, Norman; and Gamin, Leopoldo Lazaro, to New England Nuclear Corporation. Bone seeling technetium 99m stannous phosphate complex. 3,852,414, 12-3-74, Cl. 424-1.000.
Adler, Robert; and Knitter, Roger W., to Zenith Radio Corporation. Stacked piezoelectric transducer acting as quarter-wave resonator for recording video information. 3,824,352, 7-16-74, Cl. 179-100.41p.
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Adler, Seymour; Nuttall, Fleet E.; and Shapero, Wallace H., to Mattel, Inc. Method of making foam plastic bodies having lifelike outer skins. 3,852,389, 12-3-74, Cl. 264-46.400.
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Adolph, Robert J.; and Stephens, John F., III, to University of Cincinnati, Board of Directors of The. Method and apparatus for diagnosing myocardial infraction in human heart. 3,799,147, 3-26-74, Cl. 128-2.050.
Adolphen, Gerhard; Wedemeyer, Karlfried; and Sutter, Wilhelm, to Bayer Aktiengesellschaft. Process for the preparation of pyrocatechol and its monoethers. 3,801,651, 4-2-74, Cl. 260-613.00d.
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Adolphi, Heinrich; Dietsche, Wolfram; Merger, Franz; Beutel, Peter; and Huber, Rolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. O,O-dialkyl-O-[1,2-diazolidin-ones-5-yl-3]-thionophosphates. 3,847,936, 11-12-74, Cl. 260-310.00a.
Adomaithis, Domas, to Continental Can Company, Inc. Process for closing tubular parisons and blow molding hollow containers therefrom. 3,833,700, 9-3-74, Cl. 264-96.000.
Adomaitis, Domas, to Continental Can Company, Inc. Tamper-proof closure for a pressurized container. 3,797,689, 3-19-74, Cl 215-253.000.
Adomaitis, Domas, to Continental Can Company, Inc. Color stabilization of articles fabricated from nitrile polymers. 3,848,041, 11-12-74, Cl. 264-98.000.
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Adorney, Charles S.; and Davis, William H. Teaching device. 3,820,133, 6-25-74, Cl. 354-60.000.
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Ahlgren, Joseph Robert, to Woodward Governor Company. Algebraic summing digital-to-analog converter. 3,786,488, 1-15-74, Cl. 340-347.0da.
Ahlgren, Nils Harald. Method of dismantling framework structures. 3,793,702, 2-26-74, Cl. 29-426.000.
Ahlquist, Harry Richard. Skip bridge valve. 3,846,308, 11-5-74, Cl. 210-331.000.

Ahlqvist, Stein Alexander Marcel. Tube wall. 3,811,478, 5-21-74, Cl. 138-154.000.
Ahlstone, Arthur G.; and Bartos, Josef A., to Vetco Offshore Industries, Inc. Mudline emergency shutoff for offshore wells. 3,850,237, 11-26-74, Cl. 166-.500.
Ahlstrom, A. Osakeyhtio: *See—*
Jafs, Daniel; Marttala, Tapani; Christiansen, Kai; and Hakulin, Bertel, 3,783,095.
Tuomaala, Jorma Aarne Kullervo, 3,805,661.
Ahlstrom Development GmbH: *See—*
Dorfel, Walter; and Gorner, Bernd, 3,854,646.
Ahlstrom, James C.: *See—*
Frank, Bruce Allen; Miles, John Arlington; and Ahlstrom, James C., 3,805,049.
Ahlstrom, Lamarche, & Co., Inc.: *See—*
Beltz, John P.; and Ahlstrom, Timothy P., 3,792,447.
Ahlstrom, Timothy P.: *See—*
Beltz, John P.; and Ahlstrom, Timothy P., 3,792,447.
Ahmad, Iqbal, to United States of America, Army. Process for electro-deposition of metals under the influence of a centrifugal force field. 3,783,110, 1-1-74, Cl. 204-12.000.
Ahmad, Iqbal. Process and apparatus for electrodeposition of metals under the influence of a centrifugal force field. 3,827,962, 8-6-74, Cl. 204-212.000.
Ahmann, John E., to Computer Election Systems, Inc. Multi-purpose self-contained portable voting booth. 3,806,219, 4-23-74, Cl. 312-223.000.
Ahmed, Abul Abbas Mesbahuddin, to AMP Incorporated. Method of assembling a glow discharge readout device. 3,818,556, 6-25-74, Cl. 29-25.140.
Ahmed, Adel Abdel, to RCA Corporation. Current amplifier. 3,843,933, 10-22-74, Cl. 330-26.000.
Ahmed, Adel Abdel, to RCA Corporation. Current attenuator. 3,846,696, 11-5-74, Cl. 323-1.000.
Ahmed, Adel Abdel Aziz, to RCA Corporation. Comparator circuitry. 3,816,761, 6-11-74, Cl. 307-235.00r.
Ahmed, Adel Abdel Aziz, to RCA Corporation. Temperature-sensitive control circuit. 3,825,778, 7-23-74, Cl. 307-310.000.
Ahmed, Adel Abdel Aziz, to RCA Corporation. Relaxation oscillator. 3,831,113, 8-20-74, Cl. 331-111.000.
Ahmed, Mahmoud: *See—*
Thummler, Fritz; and Ahmed, Mahmoud, 3,853,537.
Ahmed, Samir A.: *See—*
Pappalardo, Romano G.; and Ahmed, Samir A., 3,824,423.
Pappalardo, Romano G.; and Ahmed, Samir A., 3,857,793.
Ahn, Byong Kwon, to Bando America Inc. Wig construction. 3,834,403, 9-10-74, Cl. 132-49.000.
Ahn, Junghi; Schwartz, Bernard; and Wilcox, David L., to International Business Machines Corporation. Multilayer circuits. 3,838,204, 9-24-74, Cl. 174-68.500.
Ahn, Junghi; Schwartz, Bernard; and Wilcox, David L., to International Business Machines Corporation. Multilayer circuits. 3,852,877, 12-10-74, Cl. 29-625.000.
Ahn, Kie Y.; and Cuomo, Jerome J., to International Business Machines Corporation. Fabrication mask using rare earth orthoferrites. 3,816,223, 6-11-74, Cl. 161-2.000.
Ahne, Jerome J., to Allis-Chalmers Corporation. Electronic draft load sensing system. 3,814,188, 6-4-74, Cl. 172-7.000.
Aho, Alfred Vaino; and Ullman, Jeffery David, to Bell Telephone Laboratories, Incorporated. Shift-shuffle memory system with rapid sequential access. 3,810,112, 5-7-74, Cl. 240-172.500.
Aho, Yrjo. Method of joining a hearing protector and a protective helmut and device for applying same. 3,795,919, 3-12-74, Cl. 2-6.000.
Aho, Yrjo. Turning device for the bail of an ear protector. 3,797,045, 3-19-74, Cl. 2-209.000.
Aho, Yrjo. Ear protector. 3,805,298, 4-23-74, Cl. 2-209.000.
Ahonen, Heikki, to Kemira Oy. Method for starting and stopping a multistage liquid-liquid extraction system. 3,834,877, 9-10-74, Cl. 23-293.00r.
Ahouse, David R., to Avco Corporation. Secondary foil for apparatus producing a controlled discharge which provides molecular excitation of a gaseous working medium. 3,808,551, 4-30-74, Cl. 331-94.500.
Ahrano, Cary J., to Gulton Industries, Inc. Electrical switch with high pressure contacts. 3,812,309, 5-21-74, Cl. 200-48.00a.
Ahrenberg, Kurt, to Maschinenfabrik Gustav Eirich. Apparatus for moistening mixable materials. 3,826,476, 7-30-74, Cl. 259-154.000.
Ahrend, Mary E. Canted vortex open pit incinerator. 3,797,414, 3-19-74, Cl. 110-8.00r.
Ahrendt, Donald A., to Allis-Chalmers Corporation. Pivoted overhead guard. 3,829,121, 8-13-74, Cl. 280-150.00c.
Ahrens, Claude W. Resiliently tiltable playground apparatus. 3,836,140, 9-17-74, Cl. 272-54.000.
Ahrens, Erhard, to Electroacustic GmbH. Echo-sounding apparatus having a digital intermediate store. 3,790,925, 2-5-74, Cl. 340-3.00r.
Ahrens, Gerhard W. Phenyl-propyl-D-alpha-tocopherol succinate and preparation. 3,803,179, 4-9-74, Cl. 260-345.500.
Ahrens, Gerhard W. Production of stable, nonhydrous homogeneous in natural and mineral oils soluble vitamin-E-active cream-base-co-esters of the mineral-oil-insoluble D-alpha-tocopheryl-acid-succinate with anhydrous oils. 3,825,563, 7-23-74, Cl. 260-345.50.
Ahrens, James M.: *See—*
Leonard, Ronald J.; and Ahrens, James M., 3,811,317.
Ahrens, Lislie Jasper, to Process Wax and Resin Products (Proprietary) Limited. Wax treatment of particulate material. 3,838,186, 9-24-74, Cl. 264-12.000.
Ahrens, Paul Raymond, to RCA Corporation. High voltage protection circuit. 3,789,260, 1-29-74, Cl. 315-22.000.
Ahrens, Wilhelm; Lea, Hans; Rohm, Fritz; and Straehle, Heinz, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Apparatus for dosing and mixing liquid or solid materials for dental purposes. 3,814,387, 6-4-74, Cl. 259-72.000.
Ahrweiler, Karl-Heinz, to Kusters, Eduard, Maschinenfabrik. Machine for compressing a traveling web. 3,792,953, 2-19-74, Cl. 425-371.000.
Ahrweiler, Karl-Heinz; Appenzeller, Valentin; Quoos, Kurt; and Kusters, Edward, to Kusters, Eduard, Maschinenfabrik. Continuous press. 3,851,685, 12-3-74, Cl. 144-281.00b.
Ai, Mitsuo: *See—*
Kawamata, Isamu; Ai, Mitsuo; and Satoh, Ichiya, 3,827,298.
Aiba, Michio: *See—*
Fujisawa, Tamotsu; and Aiba, Michio, 3,852,395.
Aichele Associates, Inc.: *See—*
Marshall, John J., 3,806,790.
Marshall, John J., 3,829,753.
Aichenegg, Paul C.: *See—*
Emerson, Carl D.; and Aichenegg, Paul C., 3,784,563.
Aichenegg, Paul C.; and Emerson, Carl D., to Baychem Corporation, mesne. Unsaturated sulfur-containing nematocides and fungicides. 3,790,683, 2-5-74, Cl. 424-337.000.
Aichi Steel Works, Limited: *See—*
Fukui, Hiroshi; Iwatsu, Gakuji; and Kato, Junichi, 3,814,410.
AICO Surgical Supports Co.: *See—*
Connelly, William N., 3,807,412.
Aid, James D.: *See—*
Serfass, Earl J.; Lindsay, Edward R., Jr.; Holmes, Gene Myron; Aid, James D.; and Bishop, French, Jr., 3,827,561.
Aida Engineering, Ltd.: *See—*
Harada, Suguru; and Kuroyanagi, Moritaka, 3,841,143.
Kuroyanagi, Moritaka, 3,803,464.
Aida, Masaaki: *See—*
Kobayashi, Takashi; Aida, Masaaki; Mita, Tooru; and Nishi, Takayuki, 3,845,536.
Aida, Yoshiaki: *See—*
Takahashi, Naoya; Aida, Yoshiaki; and Shimizu, Isoo, 3,856,740.
Aida, Yoshimoto: *See—*
Ogura, Isamu; Miyashita, Takaaki; and Aida, Yoshimoto, 3,852,725.
Aidearu Kiki Co., Ltd.: *See—*
Seyama, Tsuneo, 3,834,333.
Aidlin Automation, Inc.: *See—*
Aidlin, Samuel S.; Aidlin, Stephen H.; and Rich, David, 3,791,553.
Aidlin, Samuel S.; Aidlin, Stephen H.; Hartzog, Melvin; and Shepard, John C., 3,831,738.
Aidlin, Samuel S.; Aidlin, Stephen H.; and Rich, David, to Aidlin Automation, Inc. Hopper-type apparatus for orienting and feeding tubular containers or like articles. 3,791,553, 2-12-74, Cl. 221-156.000.
Aidlin, Samuel S.; and Aidlin, Stephen H. Automatic apparatus for orienting and feeding bottles or like articles having necks. 3,797,640, 3-19-74, Cl. 198-33.0aa.
Aidlin, Samuel S.; Aidlin, Stephen H.; Hartzog, Melvin; and Shepard, John C., to Aidlin Automation, Inc. Bottle orientation apparatus. 3,831,738, 8-27-74, Cl. 198-279.000.
Aidlin, Stephen H.: *See—*
Aidlin, Samuel S.; Aidlin, Stephen H.; and Rich, David, 3,791,553.
Aidlin, Samuel S.; and Aidlin, Stephen H., 3,797,640.
Aidlin, Samuel S.; Aidlin, Stephen H.; Hartzog, Melvin; and Shepard, John C., 3,831,738.
Aidn, Martin; and Ruhland, Alois, to Siemens Aktiengesellschaft. Electrical switching device and contact spring set therefor. 3,819,896, 6-25-74, Cl. 200-166.00j.
Aidn, Martin; Furtwangler, Gerhard; and Wanka, Eberhard, to Siemens Aktiengesellschaft. Electromagnetic relay armature mounting. 3,821,674, 6-28-74, Cl. 335-270.000.
Aidn, Martin; and Ruhland, Alois, to Siemens Aktiengesellschaft. Electromagnetic relay. 3,824,511, 7-16-74, Cl. 335-202.000.
Aidn, Martin; and Furtwa-Ngler, Gerhard, to Siemens Aktiengesellschaft. Contact socket for electrical devices, such as relays. 3,833,879, 9-3-74, Cl. 339-220.00r.
Aiello, Anthony C. Locker construction incorporating locking means for cycles. 3,827,773, 8-6-74, Cl. 312-100.000.
Aiello, Salvatore F.: *See—*
Olson, Eugene D.; and Aiello, Salvatore F., 3,836,025.
Aigami, Koji: *See—*

Ishiai, Tamio; Aigami, Koji; Nishii, Tasaku; and Saito, Masahiro, 3,853,652.

Aigner, Georg, to Siemens Aktiengesellschaft. Electrical switching device and contact arrangement therefor. 3,800,252, 3-26-74, Cl. 335-135.000.

Aignesberger, Alois; and Rosenbauer, Hans-Gunter, to Suddeutsche Kalkstickstoff-Werke Aktiengesellschaft. Lightweight concrete and method of manufacturing it. 3,795,653, 3-5-74, Cl. 260-39.0sb.

Aignesberger, Alois; and Rosenbauer, Hans-Gunter, to Suddeutsche Kalkstickstoff-Werke Aktiengesellschaft. Additive for cement-based mortars. 3,827,992, 8-6-74, Cl. 260-21.000.

Aignesberger, Alois; and Rosenbauer, Hans-Gunter, to Suddeutsche Kalkstickstoff-Werke Aktiengesellschaft. Process for the production of improved cement. 3,856,542, 12-24-74, Cl. 106-102.000.

Aiguesvives, Armando A.: *See—*
Godwin, Gilbert A.; and Aiguesvives, Armando A., 3,794,815.

Aihara, Mitsuo: *See—*
Idei, Gijun; Onoyama, Atsushi; Aihara, Mitsuo; Suzuki, Seigo; Egawa, Hideharu; and Yamaga, Eiichi, 3,788,058.

Aihara, Ryuzo; Ota, Susumu; and Kobauashi, Nobuyuki, to Nihon Denshi Kabushiki Kaisha. Field emission type electron gun. 3,810,025, 5-7-74, Cl. 328-10.000.

Aijala, Sulo A.: *See—*
Peterson, Carl G.; and Aijala, Sulo A., 3,797,618.

Aikawa, Hiroshi: *See—*
Ito, Naganori; and Aikawa, Hiroshi, 3,807,753.
Ito, Naganori; and Aikawa, Hiroshi, 3,810,611.
Ito, Naganori; and Aikawa, Hiroshi, 3,848,862.

Aikawa, Hiroshi; and Ito, Naganori, to Nissan Motor Company, Limited. Hydropneumatic type suspension unit of a motor vehicle suspension system. 3,840,245, 10-8-74, Cl. 280-124.00f.

Aiken, Howard H. Thermal recorder having analogue to digital converter. 3,815,144, 6-4-74, Cl. 346-35.000.

Aiken, John Kempton; Larson, Clive; and Sanderson, Graham, to National Research Development Corporation. Electrolytic treatment of metal surfaces to electrodeposit alumina. 3,830,713, 8-20-74, Cl. 204-96.000.

Aiken, William Ross, to Display Technology Corporation. Display device employing liquid crystal materials. 3,797,914, 3-19-74, Cl. 350-160.0lc.

Aiki, Kunio: *See—*
Umeda, Jun-Ichi; Aiki, Kunio; Kurata, Kazuhiro; and Kusumoto, Hazime, 3,813,587.

Aiki, Takashi: *See—*
Shimizu, Shozo; Shinohara, Hiroshi; Asai, Junichi; Aiki, Takashi; Hirota, Kuniomi; and Kishi, Toashi, 3,853,597.

Aikins, E. Raye: *See—*
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Aikoh Co., Ltd.: *See—*
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Sato, Yasumasa; Matsuyama, Shigeru; and Kobayashi, Masaaki, 3,848,655.

Aikoh Co., Ltd., mesne: *See—*
Boron, Joseph J., 3,798,974.

Aileo, Jackson Anthony, to Gentex Corporation. Head gear structure. 3,784,984, 1-15-74, Cl. 2-3.00r.

Aileo, Jackson Anthony, to Gentex Corporation. Headgear structure. 3,786,519, 1-22-74, Cl. 2-6.000.

Aileo, Jackson Anthony. Headgear structure. 3,789,427, 2-5-74, Cl. 2-3.00r.

Aillet, Claude, to Societe Lannionnase d'Electroniques. Multi-step phase shift modulator demodulator. 3,784,914, 1-8-74, Cl. 325-30.000.

Aillet, Claude, to Societe Lannionnaise d'Electronique Sle-Citerel. Apparatus for measuring the group propagation time in a quadripole. 3,838,336, 9-24-74, Cl. 324-57.00r.

Ailshie, Roger H.; and McMillen, Kenneth G.; deceased (by McMillen, Leanne S.; administrator), to Cross Manufacturing, Inc. Control valve instrumentality. 3,815,477, 6-11-74, Cl. 91-411.00r.

Aimi, Mitsuo; and Seigenji, Kiyoshi, to Minolta Camera Kabushiki Kaisha. Translator for measuring amount of color correction for color. 3,819,275, 6-25-74, Cl. 356-175.000.

Aimo, Stefano: *See—*
Candellero, Giovanni; and Aimo, Stefano, 3,834,499.

Aine, Harry E. Trailerable boat for a camper and method for transferring the camper. 3,835,491, 9-17-74, Cl. 9-1.00t.

Ainoura, Masato, to Tsukihoshi Gomu Kabushiki Kaisha (The Moon-Star Rubber Ltd.) and Kabushiki Kaisha Kashifuji Tekkosho (Kabushifuji Works, Ltd.). Method of forming a screw shaped gear hone. 3,829,298, 8-13-74, Cl. 51-298.000.

Ainsworth, Glenn C.; and Schneider, Marion F., to United States of America, Air Force. Portable hand held dosimeter. 3,814,940, 6-4-74, Cl. 250-389.000.

Ainsworth, Richard, to Avco Corporation. Fan engine mounting. 3,830,058, 8-20-74, Cl. 60-226.00r.

Ainsworth, Richard Allan, to International Business Machines Corporation. Contact bounce eliminator circuit with low standby power. 3,825,772, 7-23-74, Cl. 307-274.00a.

Aiphone Kabushiki Kaisha (Aiphone Co., Ltd.): *See—*
Ichikawa, Shigemasa, 3,836,718.
Watanabe, Akimasa; Ichikawa, Toshio; and Azuma, Shigenari, 3,792,540.

Air Balance, Inc.: *See—*
Tarnoff, Sherwin S., 3,793,932.

Air Canada: *See—*
Aartman, John M., 3,797,085.

Air Cushion Vehicles, Inc.: *See—*
Ferguson, Hugo S.; and Raymond, Frank E., 3,822,732.

Air Factors, Inc.: *See—*
Lambert, Robert R., 3,823,652.
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Air Filters, Inc.: *See—*
Howard, Sol; and Schaaf, Robert, 3,800,359.

Air Guard Incorporated: *See—*
Duke, Douglas Roy; and Dupuis, Weldon V., 3,798,922.

Air Guard Industries: *See—*
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Air Industrie: *See—*
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Air Knife, Inc.: *See—*
Henderlit, James H., III, 3,841,911.
Henderlite, James H., III, 3,846,618.

Air Land Systems Company: *See—*
Fleming, James Evans, 3,826,874.

Air Logic Pty. Limited: *See—*
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Air Logistics Corporation: *See—*
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Schirtzinger, Joseph F., 3,797,433.
Schirtzinger, Joseph F., 3,817,199.

Air Monitor Corporation: *See—*
De Baun, Kenneth W.; and Noll, Robert W., 3,842,678.

Air Pollution Industries, Inc.: *See—*
Pike, Daniel E., 3,785,630.
Pike, Daniel E., 3,841,061.

Air Pollution Specialties, Inc.: *See—*
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Air Preheater Company, Inc., The: *See—*
Bakker, Lubertus; and Krumm, Eugene D., 3,810,555.
Fanton, Ralph E., 3,814,036.
Finnemore, Harlan E., 3,786,868.
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Hazzard, Noel D.; and Lavely, Lloyd L., Jr., 3,799,075.
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Kurschner, Hermann E., 3,822,739.
Liu, Han; and Bakker, Lubertus, 3,807,322.
Stockman, Richard F., 3,807,321.
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Air Products and Chemicals, Inc.: *See—*
Allam, Rodney John; Bligh, Bernard Ramsay; and Gaumer, Lee S. (said Allam and said Bligh assors. to), 3,813,889.
Bechara, Ibrahim S.; and Mascioli, Rocco L., 3,786,005.
Bechara, Ibrahim S.; and Holland, Dewey G., 3,853,818.
Bechara, Ibrahim Selim; Milligan, Barton; and Ziv, Martin Hi, 3,843,648.
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Delamater, George B.; and Milligan, Barton, 3,856,673.
Ehnot, Donald J., 3,827,186.
Erby, William A.; and Tompkins, James F., 3,842,126.
Geist, Jacob M.; Paul, Roy A.; and Thorogood, Robert M., 3,814,397.
Green, Harold A.; and Petrella, Robert G., 3,814,764.
Hoffman, Joseph K.; and Russell, James P., 3,804,886.
Huntzinger, Elwood E.; and Schwartz, Nelson N., 3,824,204.
Iacoviello, John G., 3,841,960.
Iacoviello, John G., 3,856,734.
Klasson, George A., 3,794,806.
Klee, David J.; and Sills, John T., 3,813,895.
Langsam, Michael, 3,799,916.
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Langsam, Michael, 3,838,138.
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Miller, Keith A., 3,856,457.
Molina, Orlando G., 3,838,160.
Moyer, Ronald C., 3,812,217.
Petrella, Robert G.; and Langsam, Michael, 3,822,228.
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Uffner, Melville W.; and Holland, Dewey G., 3,792,128.
Uffner, Melville W., 3,804,799.
Uffner, Melville W.; and Holland, Dewey G., 3,811,933.
Uffner, Melville Willard, 3,810,772.
Weintraub, Lester, 3,790,460.

West, Kennard Dungan, 3,835,068.

Air Products and Chemicals, Inc., mesne: *See—*
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Air Products Limited: *See—*
Allam, Rodney John; Bligh, Bernard Ramsay; and Gaumer, Lee S., 3,813,889.

Air Reduction Company, Incorporated: *See—*
Linhardt, Hans D., 3,799,249.
Shattes, Walter J.; Marancik, William G.; and Kirk, Bradley S., 3,800,414.
Tramposch, Ralph F., 3,783,009.

Air Techniques, Inc.: *See—*
Steinberg, Samuel B., 3,810,697.
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Air-Shields, Inc.: *See—*
Grosholz, James R.; Crowley, Charles L.; and Hutter, Charles G., 3,836,287.

Air-Trol Systems, Inc.: *See—*
Edes, Ferenc; and Gianatasio, Henry L., 3,785,542.

Air-Way Manufacturing Company: *See—*
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Airborne Manufacturing Company: *See—*
Small, Charles B., 3,821,966.

Airco, Inc.: *See—*
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Cibulka, Anthony B., 3,853,147.
Critchlow, Philip R.; and Zeitlein, Bruce A., 3,829,964.
Croix, Louise S., 3,806,602.
Croix, Louise S., 3,846,332.
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Gregory, Eric; Marancik, William G.; and Shattes, Walter J., 3,847,650.
Hay, Wayne W., 3,841,327.
Hunt, Charles d'A., 3,798,055.
Kirk, Bradley S.; and Chappel, Raymond M., 3,826,742.
Moen, Walter B.; and Spies, George R., 3,827,246.
Moore, George L., 3,846,502.
Muska, Allen V., 3,817,045.
Nayar, Harbhajan S., 3,834,003.
Normando, Neil J.; and Wilcox, Dana V. (said Normando assor. to), 3,839,619.
Rich, Harold T.; and Wolf, Terrence L., 3,786,644.
Sielaff, Ulrich; and Miller, John W., 3,796,096.
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Airco, Inc., mesne: *See—*
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Aircraft Armaments, Inc.: *See—*
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Aircraft Instruments, Inc.: *See—*
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Aircraft Mechanics, Inc.: *See—*
King, Terrance M.; and Pearne, Frank S., 3,820,631.
Nordstrom, Arnold B., 3,850,283.

Aircraft Specialties, Inc.: *See—*
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Airey, Keith, to Olin Energy Systems Ltd. Isostatic molding machine. 3,806,302, 4-23-74, Cl. 425-405.00h.

Airfina Etablissements: *See—*
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Airfix Industries Limited: *See—*
Sutch, Brian Leo Chudleigh, 3,836,063.

Airflex Containers Limited: *See—*
Hickey, Christopher Daniel Dowling, 3,850,214.

Airgood, James M.: *See—*
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Airguide Instrument Company: *See—*
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Airheart Products, Inc.: *See—*
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Airless Spray Tip Manufacturing Co.: *See—*
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Airola, Ellis J.: *See—*
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Airpax Electronics Incorporated: *See—*
Cila, Otakar; and Nye, Dudley D., Jr., 3,846,697.
Harper, George Sullivan, 3,786,380.
Lunenschloss, Edward V.; and Ford, Anthony R., 3,816,681.
Nye, Dudley D., Jr.; and Eisenstadt, Daniel J., 3,848,159.
Nye, Dudley D., Jr.; Carlson, Peter J.; and Keith, Arley, Jr., 3,854,058.
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Akamatsu, Masahiko, to Mitsubishi Denki Kabushiki Kaisha. DC power control system for plural motors. 3,803,465, 4-9-74, Cl. 318-95.000.

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Akashi, Goro; and Hirakawa, Takashi, to Fuji Photo Film Co., Ltd. Friction sheet for a magnetic tape recording cassette. 3,791,608, 2-12-74, Cl. 242-199.000.

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Akashi, Koichiro; Watanabe, Hisao; and Koga, Kenichi, to Mitsubishi Jukogyo Kabushiki Kaisha. Straightener. 3,840,051, 10-8-74, Cl. 138-37.000.

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Aker, John L., to Kustom Electronics, Inc. Special effect amplifier for electrical musical instruments. 3,812,278, 5-21-74, Cl. 84-1.250.

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Albright, James L., to Advance Products Corporation. Spray head. 3,807,641, 4-30-74, Cl. 239-412.000.
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Albsmeier, Hans; and Gunther, Alfhart, to Siemens Aktiengesellschaft. Method and apparatus for trimming mechanical filters. 3,823,470, 7-16-74, Cl. 29-593.000.
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Alden, John W., Jr.; and Webster, Kenneth E., to Combustion Engineering, Inc. Superheater flow baffling. 3,799,121, 3-26-74, Cl. 122-32.000.
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Aldous, Harold William, to Systems Engineering Laboratories. Insulation stripping device. 3,839,790, 10-8-74, Cl. 30-90.100.
Aldred, Edward J., to Ransomes Sims & Jefferies Limited. Drive mechanisms. 3,854,271, 12-17-74, Cl. 56-7.000.
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Alex, Anthony; and Zawadzki, Thomas, to Alex Incorporated. Solid molded golf ball. 3,804,421, 4-16-74, Cl. 273-218.000.
Alex, Christos G.; Dakesian, Sahag R.; Hautzenroeder, Richard D.; and Ivanouskas, Adolph J., to Honeywell Information Systems, Inc. Method of making a micro-gap magnetic recording head. 3,795,954, 3-12-74, Cl. 29-603.000.
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Alexander, Alex F.; Dierckx, Ludovicus M.; and Van Raevels, Alphonse S. J., to La Metallo-Chimique S.A. Furnace for metallurgical processing. 3,838,849, 10-1-74, Cl. 266-36.00p.
Alexander, Allen Dean, to Industrial Nucleonics Corporation. Measuring gauge with support for holding measured sheet and discharging foreign matter. 3,818,327, 6-18-74, Cl. 324-34.0tk.
Alexander, Andrew, to Aluminum Company of America. Process for sealing anodized aluminum. 3,791,940, 2-12-74, Cl. 204-35.00n.
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Alexander, Charles F., Jr., to Brunswick Corporation. Torsion bar stabilizing system for snowmobiles. 3,835,947, 9-17-74, Cl. 180-5.00r.
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Alexander, David Ord, 15% to Wiczer, Sol B. Underwater speaking device. 3,828,887, 8-13-74, Cl. 181-126.000.
Alexander, Delbert S., Jr., to Small Business Administration, mesne Automatic electric baseball game. 3,790,170, 2-5-74, Cl. 273-88.000.
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Alexander, Ernest H Combined snow boring tool and ball striking club. 3,854,727, 12-17-74, Cl. 273-162.00f
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Alexandrov, Adolf Moritsovich, Aglitsky, Vladimir Efimovich, Tsimbler, Jury Abramovich, Topolyansky, Jury Arnoldovich, Kantor, Illya Solomonovich, Maslov, Viktor Semenovich, and Alexeev, Gennady Mikhailovich Plant for pneumatic transportation of goods in ontainers along a tube. 3,820,740, 6-28-74, Cl. 243-19.000.
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Alford, Ricker, Jr. Alternate light lighting fixture. 3,825,769, 7-23-74, Cl. 307-157.000.
Alford, Thomas E. Deflector wall. 3,815,948, 6-11-74, Cl. 296-1.00s.
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Alfriend, Theodoric B., Jr.; and Klopp, John H., to United States of America, Air Force. Cargo handling trailer. 3,843,156, 10-22-74, Cl. 280-179.00r.
Algeo, John W., to Santa Ynez Research Farm. Equipment for converting the physical and complex molecular bond structures of natural feedstuffs for ruminant animals to different and less complex. 3,817,786, 6-18-74, Cl. 127-1.000.
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Alger, Martin J., Jr.; and Dunn, Nelson H., to General Signal Corporation. Bonded bronze-iron liners for steel cylinder barrel and method of making same. 3,808,659, 5-7-74, Cl. 29-156.4wl.
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Alibert, Vernon F.; and Carey, Thomas H., to Columbia Research Laboratories, Inc. Signal generating device for use with a structure which is subjected to a range of vibrations. 3,783,309, 1-1-74, Cl. 310-8.700.
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Allaire, Eugene Joseph; and Paradis, Eugene. Dispoable mop head. 3,827,099, 8-6-74, Cl. 15-229.00r.
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Allais, Andre; Lilas, Les; and Meier, Jean, to Roussel-UCLAF. Novel quinolines in the treatment of pain and inflammation. 3,818,090, 6-18-74, Cl. 424-258.000.
Allais, Andre; Meier, Jean; and Dube, Jacques, to Roussel-UCLAF. Novel benzoylphenylacetic acid esters in the treatment of pain and inflammation. 3,829,585, 8-13-74, Cl. 424-278.000.
Allais, Andre; Meier, Jean; and Dube, Jacques, to Roussel-UCLAF. Substituted aldehydes. 3,850,959, 11-26-74, Cl. 260-327.0th.
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Allais, Andre; Lilas, Les; and Nomine, Gerard, to Roussel-UCLAF. Novel indoles in the treatment of pain. 3,856,967, 12-24-74, Cl. 424-274.000.
Allais, David C., to National Bank of Commerce of Seattle, mesne. Electro-optical reader for bar codes or the like. 3,784,794, 1-8-74, Cl. 235-61.11e.
Allais, David C., to Interface Mechanisms, Inc. Multi-color printer utilizing rotating print cylinder. 3,844,210, 10-29-74, Cl. 101-102.000.
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Allan, Barry D., to United States of America, Army. Thixotropic metal-containing monomethylhydrazine fuel and method of preparing the same. 3,857,743, 12-31-74, Cl. 149-20.000.
Allan, Frank V.; and Welkowsky, Murray S., to Xonics, Inc. Electron radiograph patient identification system. 3,849,648, 11-19-74, Cl. 250-315.000.
Allan, George Graham, to Weyerhaeuser Company. Sustained release pesticide compositions and method of using. 3,813,236, 5-28-74, Cl. 71-94.000.
Allan, John L. H., to GAF Corporation. Chemical embossing using amine-formaldehyde derivatives. 3,800,013, 3-26-74, Cl. 264-54.000.
Allan, John L. H.; and Field, Nathan D., to GAF Corporation. Method of chemical embossing. 3,823,214, 7-9-74, Cl. 264-52.000.
Allan, John L. M.; and Field, Nathan D., to GAF Corporation. Chemical embossing. 3,804,933, 4-16-74, Cl. 264-52.000.
Allan, William Bell; Rattle, Jeffrey Douglas; and Atkinson, Arthur Gordon, to Rank Organisation Limited, The. Optical signalling. 3,829,857, 8-13-74, Cl. 340-380.000.
Allan, William John, to Carborundum Company, The. Slot depth filter element. 3,807,570, 4-30-74, Cl. 210-494.000.
Allander, Clals Gustaf. Arrangement for maintaining a ventilated zone within a part of a room partitioned by an air curtain. 3,803,995, 4-16-74, Cl. 98-30.000.
Allard, Francois. Construction member. 3,791,912, 2-12-74, Cl. 161-160.000.
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Allard, John Joseph, to AMF Incorporated. Brushless variable speed drive for A.C. synchronous motor. 3,801,887, 4-2-74, Cl. 318-138.000.
Allard, Roger L.; Malinowski, William J.; and Kalos, Rudolph W., to International Telephone and Telegraph Corporation. Sensitive sprinkler. 3,834,463, 9-10-74, Cl. 169-28.000.
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Alldredge, Russell Herbert. Apparatus for enclosing a coin-operated pin ball machine or the like. 3,830,499, 8-20-74, Cl. 273-121.00r.
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Alleaume, Jean, to Technigaz. LNG storage tank vapor recovery by nitrogen cycle refrigeration with refrigeration make-up provided by separation of same vapor. 3,857,251, 12-31-74, Cl. 62-28.000.
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Allemand, Pierre; and Havasse, Christian, to Rhone-Progil. Adjuvants for cements, mortars and concretes. 3,782,984, 1-1-74, Cl. 106-90.000.
Allemand, Pierre; and Hovasse, Christian, to Rhone-Progil. Product and process for preparing improved binders containing slag. 3,809,665, 5-7-74, Cl. 260-29.60s.
Allemang, Arnold A.; and Bachtel, Howard J., to Dow Chemical Company, The. Removal of phosgene from an essentially anhydrous gas stream. 3,789,580, 2-5-74, Cl. 55-71.000.
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Allen, Byron W. Tiltable glass cutter's table with retractable sheet supporting pegs. 3,787,040, 1-22-74, Cl. 269-58.000.
Allen, Byron W. Industrial plate glass cutter's table. 3,788,533, 1-29-74, Cl. 225-96.500.
Allen, Charles A.; Bryant, Richard W.; Delaney, Thomas J.; Dhaka, Vir A.; Meade, Robert M.; and Wharmby, James D., to Cogar Corporation. Modular optical apparatus. 3,787,837, 1-22-74, Cl. 340-365.00p.
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Allen, Dee Dexter, to U.S. Industries, Inc. Canister bail for poultry feeder. 3,827,405, 8-6-74, Cl. 119-53.000.
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Allen, Earle E., Jr.; Smit, James A.; Walter, Robert R.; and Jansma, Roger H., to Nalco Chemical Company. Sizing process and material. 3,853,609, 12-10-74, Cl. 117-155.0ua.
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Allen, Francis Edwin, to Letson and Burpee Ltd. Crowder roll arm for bandmill. 3,827,324, 8-6-74, Cl. 83-425.200.
Allen, Francis R. Flag pole. 3,792,680, 2-19-74, Cl. 116-173.000.
Allen, Frank M.; De Diemar, Ronald B.; and Ehlert, Kenneth C., to Barber-Greene Company. Gyratory crusher frame and method of making same. 3,843,068, 10-22-74, Cl. 241-285.00r.
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Allen, Gerald F. Driver tool. 3,850,056, 11-26-74, Cl. 81-71.000.

Allen, Gordon S. J., to Forward Technology Limited. Cathode ray tubes to facilitate recording. 3,789,259, 1-29-74, Cl. 315-21.0pr.
Allen, Grant H.; and Perkins, Billie L., to Global Marine Inc. System and method for buoying the end of a wire mooring line. 3,842,780, 10-22-74, Cl. 114-230.000.
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Allen, Herbert, to Cameron Iron Works, Inc. Ball valve. 3,830,465, 8-20-74, Cl. 251-360.000.
Allen, Howard John Brandsom; and Johnston, James Meill, to Microwave and Electronic System Limited. Monitoring systems and apparatus therefor. 3,813,655, 5-28-74, Cl. 340-151.000.
Allen, James D., to Phillips Petroleum Company. Hydroformylation process and catalyst. 3,847,997, 11-12-74, Cl. 260-604.0hf.
Allen, James E.; Lashley, James C.; and Noelting, C. Bernard, to Advance Manufacturing Co. Two-legged collapsible bed frame. 3,848,280, 11-19-74, Cl. 5-202.000.
Allen, James W. Magnetic separator. 3,819,515, 6-25-74, Cl. 210-42.000.
Allen, John B., to Texas Instruments Incorporated. Multiple detection volume laser doppler velocimeter. 3,830,568, 8-20-74, Cl. 356-28.000.
Allen, John E., to Interlake, Inc. Coke quenching system. 3,843,461, 10-22-74, Cl. 202-227.000.
Allen, John E., to Ferro-Carb Agglomeration Ltd., Inc. Treatment of steel mill waste dusts containing zinc. 3,850,613, 11-26-74, Cl. 75-4.000.
Allen, John K.; and Cengel, John A., to Standard Oil Company. Catalysis of urethane foams with a mixture of an antimony trihalide and either an antimony alcoholate or an antimony carboxylate. 3,792,001, 2-12-74, Cl. 260-2.5ab.
Allen, John K., to Standard Oil Company (Indiana). Antimony tallate catalysis of foams prepared from carboxy-containing adduct polyols. 3,813,355, 5-28-74, Cl. 260-2.5ab.
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Allen, John W., to Stanray Corporation. End doors for auto rack cars. 3,854,425, 12-17-74, Cl. 105-368.00r.
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Allen, Joseph C., to Texaco Inc. Secondary recovery for steeply dipping reservoirs combined cellar and attic flooding. 3,814,186, 6-4-74, Cl. 166-272.000.
Allen, Joseph C.; Fontaine, Marc F.; Brown, Alfred, and Tate, Jack F., to Texaco Inc. Petroleum recovery process. 3,822,748, 7-9-74, Cl. 166-269.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Multiple solvent miscible flooding technique for use in petroleum formation overlaying and in contact with water saturated porous formations. 3,823,777, 7-16-74, Cl. 166-266.000.
Allen, Joseph C., to Texaco Inc. In situ combustion oil recovery method. 3,830,300, 8-20-74, Cl. 166-261.000.
Allen, Joseph C.; Tate, Jack F.; and Park, Jack H., to Texaco Inc. Combined multiple solvent miscible flooding water injected technique for use in petroleum formations. 3,837,399, 9-24-74, Cl. 166-266.000.
Allen, Joseph C.; and Shum, Yick-Mow. Hot fluid injection into hydrocarbon reservoirs. 3,837,401, 9-24-74, Cl. 166-303.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Petroleum production technique. 3,838,737, 10-1-74, Cl. 166-269.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Miscible displacement of petroleum. 3,840,073, 10-8-74, Cl. 166-274.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Solution mining technique for tar sand deposits. 3,845,820, 11-5-74, Cl. 166-266.000.
Allen, Joseph C.; and Braden, William B., Jr., to Texaco Inc. Recovery of oil by a vertical miscible flood. 3,845,821, 11-5-74, Cl. 166-269.000.
Allen, Joseph C., to Texaco Inc. Method for preventing bottom water coning in oil wells. 3,845,823, 11-5-74, Cl. 166-303.000.
Allen, Joseph C.; Tate, Jack F.; and Stelzer, Roland B., to Texaco Inc. Miscible displacement of petroleum using sequential addition of carbon disulfide and a hydrocarbon solvent. 3,847,220, 11-12-74, Cl. 166-273.000.
Allen, Joseph C.; Tate, Jack F.; and Stelzer, Roland B., to Texaco Inc. Miscible displacement of petroleum using carbon disulfide and a hydrocarbon solvent. 3,847,221, 11-12-74, Cl. 166-274.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Miscible displacement of petroleum. 3,847,224, 11-12-74, Cl. 166-274.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Vertical downward gas-driven miscible blanket flooding oil recovery process. 3,850,243, 11-26-74, Cl. 166-267.000.
Allen, Joseph C.; and Tate, Jack F., to Texaco Inc. Miscible displacement of petroleum. 3,850,245, 11-26-74, Cl. 166-274.000.
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Allen, Kenneth C.; and Boshinski, Edwin E., to Hobart Manufacturing Company, The. Tare adjusting apparatus for a computing scale system. 3,786,881, 1-22-74, Cl. 177-3.000.
Allen, Kenneth C.; and Boshinski, Edwin E., to Hobart Manufacturing Company, The. Sum of cross products multiplication and rounding. 3,823,311, 7-9-74, Cl. 235-160.000.
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Allen, Louis F.; and Ott, Joseph B., to Anglam, Inc. Fire extinguisher. 3,844,356, 10-29-74, Cl. 169-31.00r.
Allen, Marion F. Personnel/load Carrying system. 3,826,335, 7-30-74, Cl. 182-10.000.
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Allen, Melvin O. Voltage monitoring system and process. 3,815,062, 6-4-74, Cl. 335-152.000.
Allen, Michael George; Buchholtz, Theodore; and Tiers, George Van Dyke, to Minnesota Mining and Manufacturing Company. Resilient composite useful as surfacing for athletics. 3,801,421, 4-2-74, Cl. 161-67.000.
Allen, Michael George; Nozari, Mohammad S.; and Tiers, George Van Dyke, to Minnesota Mining and Manufacturing Company. Preparation of urethanes and catalysts therefor. 3,808,162, 4-30-74, Cl. 260-18.0tn.
Allen, Michael George; and Tiers, George Van Dyke, to Minnesota Mining and Manufacturing Company. Organic carbonate salts as isocyanate trimerization catalysts. 3,817,939, 6-18-74, Cl. 260-77.5nc.
Allen, Nigel Stafford David; and Kammerling, Walter, to Federal-Mogul Westwind Air Bearings Limited. Air, gas or fluid bearings. 3,837,716, 9-24-74, Cl. 308-9.000.
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Allen, Philip, to Beck, Charles, Machine Corporation. Conveyorized sheet cutter. 3,797,345, 3-19-74, Cl. 83-175.000.
Allen, Philip H., to H.J.J. Co., Inc. Screw holding driver. 3,782,432, 1-1-74, Cl. 145-50.00c.
Allen, Philo H., to Sand Arts Incorporated. Method of producing a sand painting. 3,819,436, 6-25-74, Cl. 156-63.000.
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Allen, Richard A., to Avco Corporation. Laser and method of operation. 3,801,927, 4-2-74, Cl. 331-94.500.

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Allen, Robert E.; and Calhoun, Clyde D., to General Electric Company. Apparatus for alloy microstructure control. 3,833,207, 9-3-74, Cl. 266-2.00r.

Allen, Robert E., Jr.; and Morel, Richard A., to Du-Al Company, The. Splash-proof leak-proof syringe-type cryosurgical instrument. 3,795,245, 3-5-74, Cl. 128-303.100.

Allen, Robert H., to Allen, Charles G., Company. Machine drive. 3,848,448, 11-19-74, Cl. 74-242.400.

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Allen, Russell W., to Container Equipment Corporation. Box filling device. 3,848,397, 11-19-74, Cl. 53-124.00d.

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Allen, Thomas E., to CMI Corporation. Bi-directional differential valve. 3,815,622, 6-11-74, Cl. 137-112.000.

Allen, Thomas E.; and Pearce, Shairyl I., to Caterpillar Tractor Company. Controls for sequentially engaging transmission, torque convertor lock-up and master clutches. 3,820,417, 6-28-74, Cl. 74-733.000.

Allen, Thomas Jeffrey, to Fletcher Sutcliffe Wild Limited. Drum type rotary coal cutter with water jet orifices. 3,827,755, 8-6-74, Cl. 299-81.000.

Allen, Thomas Jeffrey, to Wild, Fletcher Sutcliffe, Limited. Rotary coal cutters with water jet offices. 3,847,439, 11-12-74, Cl. 299-81.000.

Allen, Walter C., to Xerox Corporation. Conductive block transfer system. 3,830,589, 8-20-74, Cl. 355-3.00r.

Allen, Walter E., to Paul, Peter, Electronics. Compensating plunger for solenoid valve and method of making. 3,840,959, 10-15-74, Cl. 29-157.10r.

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Allen, William G.; Le Velle, James A.; and Schuh, Frank J., to Atlantic Richfield Company. Well production. 3,794,358, 2-26-74, Cl. 285-47.000.

Allen, William J.; and Tomasulo, Walter M., Jr., to Wild Rover Corporation. Pushbutton switch having spider-shaped contact carrier. 3,826,885, 7-30-74, Cl. 200-159.00b.

Allen, William Merrill, to Chemetron Corporation. Handling apparatus for elongated masses with end cropping cutters. 3,817,136, 6-18-74, Cl. 83-417.000.

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Allison, Jean B.: *See—*
Bissada, Kadry K.; and Allison, Jean B., 3,834,130.
Allison, Jean B.; Bissada, Kadry K.; and Peterson, Christine M., to Texaco Inc. Method and apparatus for separating hydrocarbons. 3,834,122, 9-10-74, Cl. 55-33.000.
Allison, John L., to Textron, Inc. Load transport system. 3,840,089, 10-8-74, Cl. 180-116.000.
Allison, Robert William, Jr., to Texas Instruments, Incorporated, mesne. Particle accelerator producing a uniformly expanded particle beam of uniform cross-sectioned density. 3,845,312, 10-29-74, Cl. 250-398.000.
Allison, Rudolph L., and Lindstrand, Gary L., to MTI, Incorporated. Ballon and sealing means therefor. 3,783,551, 1-8-74, Cl. 46-90.000.
Allison, Rudolph L., to Paramount Textile Machinery Co. Apparatus for damping vibrations of a rotary cutting. 3,797,354, 3-19-74, Cl. 83-824.000.
Allison, Stanley Watson, to D.T. & G. (Designs, Tools & Gauges) Limited. Tinning machine. 3,826,227, 7-30-74, Cl. 118-60.000.
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Allison, William D., to Ford Motor Company. Universal joint. 3,820,357, 6-28-74, Cl. 64-23.000.
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Allister Manufacturing Company, Inc.: *See—*
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Allitalia Import-Export Inc.: *See—*
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Allix, Charles Vivian Marrett, to C.V. Precision Tools Limited. Bench test centres. 3,791,039, 2-12-74, Cl. 33-174.00q.
Allman, Denis John; and Seager, Robert Vincent, to Allman, E., and Company Limited. Pumps. 3,856,437, 12-24-74, Cl. 417-241.000.
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Allman, William T.; and Solmax, Gungor M., to Celanese Corporation. Energy absorbent textile structure. 3,823,748, 7-16-74, Cl. 139-383.00r.
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Allmanna Svenska Elektriska Aktiebolaget: *See—*
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Akerblom, Carl-Artur, 3,832,245.
Andersson, Conny, 3,798,344.
Anefall, Gunnar, 3,854,355.
Backlin, Olle, 3,786,710.
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Bergman, Carl; and Enroth, Erik, 3,821,842.
Boksjo, Carl Ingvar, 3,842,335.
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Ekstrom, Ake, Jackson, Per Olof; and Jansson, Lenhart, 3,835,365.
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Folgero, Kare; and Fredrikson, Bengt, 3,851,090.
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Allmon, Dwight George; Lee, Pedro, and Coker, Charles Walter, Jr., to International Business Machines Corporation. Logical circuitry for recovering RPM decoded PRM recorded data. 3,848,251, 11-12-74, Cl. 340-347.0dd.
Allnutt, Anthony John, Biddles, Barry John; and Brook, Richard Anthony, to Sira Institute. Apparatus for automatic inspection of materials. 3,814,945, 6-4-74, Cl. 250-571.000.
Alloceo, Joseph P., and Landis, Bruce B., to Rowe International Inc. Gum and mint dispenser for merchanising machine. 3,797,701, 3-19-74, Cl. 221-155.000.
Allom, Clive, Sharp, Herbert John, and Drucker, Rudolf, to GKN Sankey Limited. Containers for liquids. 3,840,141, 10-8-74, Cl. 220-5.00r.
Allom, Kenneth W.: *See—*
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Allred, Richard A. Space flight board game apparatus. 3,807,740, 4-30-74, Cl. 273-134.0aa.
Allred, Worth P., to University of Southern California. Crystal grower. 3,857,679, 12-31-74, Cl. 23-273.000.

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Allsop, James D.: *See—*
Allsop, Ivor J.; Allsop, Jon I.; Allsop, Michael G.; and Allsop, James D., 3,791,663.

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Allstate Tool and Die Inc.: *See—*
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Allum, Keith George, to British Petroleum Company, Limited, The. Process for oligomerising mono-olefins. 3,816,555, 6-11-74, Cl. 260-683.15r.

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Allum, Kenneth W.: *See—*
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Allwood, Searle & Timney (Holdings) Limited: *See—*
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Allyn, Jerome B.; MacDougall, John A.; and Nesbitt, John D., to Midland-Ross Corporation. Air pressure discharge furnace having protective atmosphere inlet and outlet. 3,810,564, 5-14-74, Cl. 222-146.00h.

Alm, Robert M.: *See—*
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Almagro, Guillermo, Bertorelli, Orlando L.; Mays, Robert K.; Williams, Lloyd E.; and Zimmerman, Howard F., Jr., to Huber, J. M., Corporation. Methods for production of alkali metal polysilicates. 3,835,216, 9-10-74, Cl. 423-332.000.

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Almasi, George S., to International Business Machines Corporation. Cylindrical magnetic domain display system. 3,815,107, 6-4-74, Cl. 340-174.0yc.

Almendarez, Charles. Clasp. 3,808,651, 5-7-74, Cl. 24-260.000.

Almering, Petrus Cornelis Maria; and Velo, Henri Jan, to U.S. Philips Corporation. Transmission system for stereophonic signals. 3,803,490, 4-9-74, Cl. 325-36.000.

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Alnor Instrument Company: *See—*
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Alnor Instrument Company; div. of Illinois Testing Laboratories, Inc.: *See—*
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Alongi, John R.: *See—*
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Alosi, Anthony C. Prefabricated bathroom walls. 3,821,818, 7-2-74, Cl. 4-191.000.

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Alper, Conrad H. Treatment of otitis of dogs and cats with chloramphenicol-squalane composition. 3,821,375, 6-28-74, Cl. 424-240.000.

Alperin, Morton. Supersonic lifting systems. 3,815,848, 6-11-74, Cl. 244-1.00n.

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Alpers, Frederick C., to United States of America, Navy. High resolution range tracking circuit. 3,813,670, 5-28-74, Cl. 343-7.300.

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Alpert, Selma. Brassiere. 3,826,266, 7-30-74, Cl. 128-435.000.

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Alpha Metals, Inc.: *See—*
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Alpha-O Corporation: *See—*
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Alphaco, Inc.: *See—*
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Alphametic Holdings Limited: *See—*
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Alphin, Reevis S.; and Droppleman, David A. Anti-inflammatory agents. 3,856,962, 12-24-74, Cl. 424-267.000.

Alphons Glutz-Blolzheim A.G.: *See—*
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Alphonse, Gerard Argant; and Bodeep, George Edward, to RCA Corporation. Process of making acousto-optic devices. 3,798,746, 3-26-74, Cl. 29-470.100.

Alpine Designs: *See—*
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Alpine Geophysical Associates, Inc.: *See—*
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Alpura Koreco A.G.: *See—*
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Alquist, Henry E., to Phillips Petroleum Company. Oxidative catalytic converter. 3,783,619, 1-8-74, Cl. 60-288.000.

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Alquist, Henry E.; Pollock, Lyle W.; and Dale, Glenn H., to Phillips Petroleum Company. Auxiliary fuel vaporizer system for an internal combustion engine. 3,845,749, 11-5-74, Cl. 123-133.000.

Alquist, Henry E., to Phillips Petroleum Company. Process for reducing nitric oxide emissions from burners. 3,850,569, 11-26-74, Cl. 431-4.000.

Alrac Corporation: *See—*
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Takamiya, Tadashi; Kurata, Masaya; Kimura, Tomiaki; Hisamoto, Kazuyoshi; and Ohmura, Yasuhiro, 3,804,813.

Alroy, John D., 50% to Greenfield, Myron J. Thermoforming machine with articles trimmed in-place. 3,802,819, 4-9-74, Cl. 425-135.000.

Alroy, John D. Thermoforming machine with articles trimmed in-place. 3,832,102, 8-27-74, Cl. 426-292.000.

Alsberg, Dietrich Anselm; and Alsberg, Glenna Rose. Drainage system. 3,837,168, 9-24-74, Cl. 61-10.000.

Alsberg, Glenna Rose: *See—*
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Alsbury, Allan, to Lever Brothers Company. Toilet bars. 3,812,060, 5-21-74, Cl. 252-555.000.

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Alsina, Pierre A.: *See—*
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Alsmeyer, Ralph L. Simplified floating deck pulse modulator. 3,806,836, 4-23-74, Cl. 332-13.000.

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Alson, Lola. Wheel chair assembly and body-supporting insert therefor. 3,792,897, 2-19-74, Cl. 297-219.000.

Alsop, Alfred N.: *See—*
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Alt, Claus-Christian; Muller, Alf; and Van Winsen, Friedrich H., to Daimler-Benz Aktiengesellschaft. Multi-circuit brake installation for vehicles, especially motor vehicles. 3,840,098, 10-8-74, Cl. 188-345.000.

Alt, Gerhard H., to Monsanto Company. 1-Naphthoic acid 2,2-dimethylhydrazide. 3,855,289, 12-17-74, Cl. 260-558.00h.

Alt, Hartmuth; deceased (by Alt, Ortwin Franz Felix; and Beyer, Gundrun Anneliese nee Alt; executors); Clasen, Hermann; and Cramer, Jurgen, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for manufacture of phenylhydrazine 3,836,440, 9-17-74, Cl. 204-74.000.

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Altares, Timothy, Jr.: *See—*
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Altares, Timothy, Jr., to Arco Polymers, Inc. Antilumping expandable styrene polymers. 3,819,546, 6-25-74, Cl. 260-2.50b.

Altares, Timothy, Jr., to Arco Polymers, Inc. Process of making antilumping expandable styrene polymers. 3,826,765, 7-30-74, Cl. 260-2.50b.

Altec Manufacturing Company, Inc.: *See—*
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Altenberger, Edmund C. Burglar alarm actuated by cut telephone wire. 3,852,541, 12-3-74, Cl. 179-175.250.

Altenburger, Otto: *See—*
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Altenburger, Otto; and Bansemir, Robert H., to Stromberg-Carlson Corporation. Matrix switching network control link interconnection circuit. 3,792,200, 2-12-74, Cl. 179-18.0ge.

Altenburger, Otto; and Dorazio, Alton, Jr., to Stromberg-Carlson Corporation. Path finding system. 3,842,214, 10-15-74, Cl. 179-18.0ea.

Altenburger, Otto; Bansemir, Robert H.; Bergquist, George R.; Mariotti, Donald J.; and Neumeier, Gunter F., to Stromberg-Carlson Corporation. Call forwarding arrangement. 3,854,013, 12-10-74, Cl. 179-18.0be.

Altenhaus, Rhoda: *See—*
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Altenpohl, William F. Poultry shackle suspension. 3,781,946, 1-1-74, Cl. 17-44.100.

Altenschopfer, Theodor; and Batka, Heimold, to Deutsch Gold- und Silber-Scheideanstalt vormals Roessler. Dishwashing detergent composition for use in dishwashing machines. 3,825,498, 7-23-74, Cl. 252-99.000.

Alter, Frederic W., to United States of America, Army. Multiple purpose disperser. 3,844,449, 10-29-74, Cl. 222-175.000.

Alter, Henry Ward; and Lovett, Daniel B., to General Electric Company. Alpha particle dosimeter. 3,783,292, 1-1-74, Cl. 250-475.000.

Alter, Israel Jacob: *See—*
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Alter, Richard R. Semen capule for use with and artificial insemination applicator. 3,805,784, 4-23-74, Cl. 128-235.000.

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Ambats, Maris; Shannon, Thomas D.; and Demaria, Walter Joseph. Convertible direct viewing/projection T-V system. 3,800,085, 3-26-74, Cl. 178-7.910.
Amberg, Ralph G., to Owens-Illinois, Inc. Method and apparatus for assembling composite containers. 3,797,369, 3-19-74, Cl. 93-36.100.
Amberg, Ralph G., to Owens-Illinois, Inc. Apparatus for testing and sorting cups. 3,824,840, 7-23-74, Cl. 73-45.300.
Amberg, Ralph G.; and Amberg, Stephen W., to Owens-Illinois, Inc. Apparatus for forming containers of thermoplastic material. 3,833,332, 9-3-74, Cl. 425-387.00b.
Amberg, Ralph Gilbert, to Owens-Illinois, Inc. Shrink-film capping machine. 3,838,805, 10-1-74, Cl. 226-88.000.
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Amberg, Stephen W.; Doherty, Thomas E.; and Heyne, Clarence A., to Owens-Illinois Inc. Machine for producing a plastic-covered glass container. 3,822,459, 7-9-74, Cl. 29-208.00b.
Amberg, Stephen W.; Doherty, Thomas E.; Karabedian, James A.; and Heyne, Clarence A., to Owens-Illinois, Inc. Method of making a plastic-covered glass container. 3,839,117, 10-1-74, Cl. 156-218.000.
Amberg, Stephen W.; Doherty, Thomas E.; and Heyne, Clarence A., to Owens-Illinois, Inc. Machine for producing a plastic-covered glass container. 3,843,316, 10-22-74, Cl. 432-124.000.
Amberg, Stephen W.; and Doherty, Thomas E., to Owens-Illinois, Inc. Nestable fabricated thermoplastic container and method of fabrication same. 3,854,583, 12-17-74, Cl. 206-520.000.
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Amberger, Ronald F.; and Mizikar, David M., to Carrier Corporation. Mounting structure for vibration detecting probe. 3,835,696, 9-17-74, Cl. 73-70.000.
Amberny, Philippe Paul Roger Armand, to Etat Francais. Electrical switching device employing a vaporizable conductive element. 3,791,298, 2-12-74, Cl. 102-28.0eb.
Amblank, Robert, to Aktiengesellschaft Oederlin & Cie. Armaturenwerk Wettingen. Pivotable outlet insertable in plumbing. 3,841,346, 10-15-74, Cl. 137-119.000.
Amblank, Robert G., to Aktinegesellschaft Baden. Water valve unit. 3,805,832, 4-23-74, Cl. 137-606.000.
Ambler, E. Curtis; Damijonaitis, Kestutis; and Ketchpel, Paul A., to Stanley Works, The. Router. 3,791,260, 2-12-74, Cl. 90-12.00d.
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Ambler, Theodore C. Anti-pollution compressor control system. 3,817,265, 6-18-74, Cl. 137-115.000.
Ambler, Walter B., to Texas Instruments, Incorporated. Circuit breaker apparatus. 3,818,403, 6-18-74, Cl. 337-85.000.
Ambos, Edmond. Wall drying device. 3,805,405, 4-23-74, Cl. 34-104.000.
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Ambrico, Louis Edward; Katsafouros, Stavros George; Kleen, Bergert George; and Lamoureux, William Roger, to International Business Machines Corporation. Sine wave deflection system for correcting pincushion distortion. 3,809,947, 5-7-74, Cl. 315-276.00d.
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Ambrogi, Vittorio; Logemann, Willy; Parenti, Marcantonio; and Tommasini, Raffaele, to Erba, Carlo, S.p.A. Pyrazinoy laklylbenzenesulfonylureas and process for their preparation. 3,833,578, 9-3-74, Cl. 260-250.00r.
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Ambrose, Jere B., to Northern Fibre Products Company. Reinforced foam plastic seat bun and method of molding same. 3,833,454, 9-3-74, Cl. 161-159.000.
Ambrose, Jere B., to Northern Fibre Products Company. Lattice reinforced foam rubber seat bun and method of molding same. 3,840,269, 10-8-74, Cl. 297-452.000.
Ambrose, Jere B., to Northern Fibre Products Company. Seat bun fastening strip. 3,853,352, 12-10-74, Cl. 297-452.000.
Ambrose, John; and Shepherd, Edmund J., to Dunlop Holdings Limited. Hose pipes. 3,797,530, 3-19-74, Cl. 138-137.000.
Ambrose, John; and Shepherd, Edmund J., to Dunlop Limited. Flexible hose. 3,821,050, 6-28-74, Cl. 156-143.000.
Ambrose, Karl J. Golf ball cleaning machine. 3,784,996, 1-15-74, Cl. 15-21.00a.
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Binns, Robert Eric, 3,850,732.
Cavanaugh, Robert E., Jr., 3,784,404.
Cooke, Anson R.; and Gallagher, Nancy E., 3,833,350.
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Amdahl, Gene M.; Clements, Michael R.; and Topham, Lyle C., to Amdahl Corporation. Right and left shifter and method in a data processing system. 3,790,960, 2-5-74, Cl. 340-172.500.
Amdahl, Gene M.; and Clements, Michael R., to Amdahl Corporation. Method and apparatus for division employing table-lookup and functional iteration. 3,828,175, 8-6-74, Cl. 235-164.000.
Amdahl, Gene M.; Clements, Michael R.; and Topham, Lyle C., to Amdahl Corporation. Binary multiplication by addition with non-overlapping multiplier recording. 3,840,727, 10-8-74, Cl. 235-164.000.
Amdahl, Gene M.; Grant, Glenn D.; and Maier, Robert M., to Amdahl Corporation. Data processing system having an instruction pipeline for concurrently processing a plurality of instructions. 3,840,861, 10-8-74, Cl. 340-172.500.
Amdahl, Gene M.; Tobias, Richard J.; and Gray, Robert C., to Amdahl Corporation. Data processing system and method therefor. 3,858,183, 12-31-74, Cl. 340-172.500.
Amdhal, Gene M.; and Clements, Michael R., to Amdahl Corporation. Code converter and method for a data processing system. 3,803,392, 4-9-74, Cl. 235-155.000.
Ameau, Albert; Boyer, Marcel-Louis; and Hebert, Francois, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Automatic selector for line corrector for data transmission. 3,840,855, 10-8-74, Cl. 340-146.1ax.
Ameco, Inc.: *See—*
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Amelio, Gilbert F.; and Salsbury, Phillip J., to Fairchild Camera and Instrument Corporation. Uniplanar CCD structure and method. 3,836,409, 9-17-74, Cl. 148-187.000.
Amelio, Gilbert F.; and Salsbury, Phillip J., to Fairchild Camera and Instrument Corporation. Self-aligned implanted barrier two-phase charge coupled devices. 3,853,634, 12-10-74, Cl. 148-1.500.
Amelio, Gilbert Frank; Krambeck, Robert Harold; and Pickar, Kenneth Arnold, to Bell Telephone Laboratories, Incorporated. Charge coupled devices employing nonuniform concentrations of immobile charge along the information channel. 3,796,932, 3-12-74, Cl. 37-235.000.
Amelon, Donald J. Device for testing cam designs. 3,834,027, 9-10-74, Cl. 33-27.00k.
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Amer, Kenneth B.; and Lund, Herbert T., to Summa Corporation. Coriolis-relieving aircraft rotor assembly. 3,784,319, 1-8-74, Cl. 416-135.000.
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Ames, William A.; and Ward, James J., to Eastman Kodak Company. Purification of a,a-disubstituted-β-propiolactones. 3,825,573, 7-23-74, Cl. 260-343.900.
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Ammon, Harry C., to State of California, Department of Public Works. Traffic marking system. 3,820,718, 6-28-74, Cl. 239-135.000.
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Amos, Homer C., to Brunswick Corporation. Method for producing a three dimensional lattice. 3,822,463, 7-9-74, Cl. 29-433.000.
Amos, James H., to Minnesota Mining and Manufacturing Company. Flame equalizer for two or three burner camp stoves. 3,783,856, 1-8-74, Cl. 126-38.000.
Amos, James J., to Columbus Auto Parts Company, The. Method of producing ball joints. 3,831,244, 8-27-74, Cl. 29-149.50b.
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Andersen, Dan A., to Sherman Supersonic Industries Western, Inc. Apparatus for selective application of liquid wax to vehicles. 3,814,053, 6-4-74, Cl. 118-2.000.
Andersen, Delmar L.; Boston, Louis R.; and Seleen, William A., Culture media for starter production. 3,852,158, 12-3-74, Cl. 195-100.000.
Andersen, Edward O., to General Electric Company. Snap acting double break switch. 3,803,526, 4-9-74, Cl. 337-338.000.
Andersen, Gunnar Walter, to Sentralinstitutt for Industriell Forskning and A/S Kongsberg Vapenfabrikk. Device for cutting sheet material. 3,835,741, 9-17-74, Cl. 83-71.000.
Andersen, Hans Christian: *See—*
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Andersen, Harry M., to Monsanto Company. Ethylene(vinyl chloride[N-methylolacrylamide] N-alkoxymethyl) acrylamide latices. 3,843,580, 10-22-74, Cl. 260-29.6ta.
Andersen, Heinz-Erhardt. Device for drawing thermoplastic sheet material. 3,807,004, 4-30-74, Cl. 26-59.000.
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Andersen, Joseph J., to Evans, Chandler, Inc. Fluidic valve modulator. 3,829,058, 8-13-74, Cl. 251-25.000.
Andersen, Kare. Fluid seal for bearing assembly. 3,856,368, 12-24-74, Cl. 308-187.200.
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Andersen, Poul H.; Povilaitus, Frank R.; and Himes, Robert S., to Chrysler Corporation. Impact velocity sensor switch with linearly movable controller. 3,812,312, 5-21-74, Cl. 200-61.530.
Andersen Power Products, Inc.: *See—*
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Andersen, Robert A.; and Maguire, Lawrence A., to Sigmatek, Inc. Multiple input signal modulator and method therefor. 3,789,323, 1-29-74, Cl. 332-18.000.
Andersen, Roy Stolweather, to General Precision Industries Limited. Switch transfer mechanism having idler gear with positioning means permitting the transfer means to be clear of the idler gear after its travel through a predetermined switch position. 3,81,023, 5-14-74, Cl. 200-153.00p.
Andersen, Todd G.: *See—*
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Andersen, William: *See—*
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Anderson, A. D.; Lauridsen, Walter E.; and Overstreet, Charles L., to Iowa Beef Processors, Inc., mesne. Method and apparatus for breaking animal carcasses and handling meat products. 3,837,699, 9-24-74, Cl. 294-118.000.
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Anderson, Albert E., to Pervel Industries, Inc. Processing of expanded-plastic sheet material. 3,814,644, 6-4-74, Cl. 156-78.000.
Anderson, Albert W., to General Electric Company. Bypass contactor circuit. 3,826,959, 7-30-74, Cl. 318-139.000.
Anderson, Albert W., to General Electric Company. Direct current power control circuit. 3,843,912, 10-22-74, Cl. 318-258.000.
Anderson, Alex Lennart, to Ingersoll Milling Machine Company, The. EDM apparatus for finishing rolls. 3,800,117, 3-26-74, Cl. 219-69.00v.
Anderson, Amos R.; and Porter, Townsend H., to Anderson Development Company. Method of preparation of alkyl and 2-alkoxy-ethyl silicates. 3,803,197, 4-9-74, Cl. 260-448.80a.
Anderson, Andrew W. Wrapper sheet with openings and method of production. 3,804,235, 4-16-74, Cl. 206-497.00s.
Anderson, Andrew W., to Scandia Packaging Machinery Company. Method and apparatus for conveying a container. 3,809,210, 5-7-74, Cl. 198-179.000.
Anderson, Andrew W., to Scandia Packaging Machinery Company. Apparatus for tucking and folding. 3,810,314, 5-14-74, Cl. 53-378.000.
Anderson, Ann. Plastic quilted bedspread. 3,801,420, 4-2-74, Cl. 161-52.000.
Anderson, Arlynn W.; Coleman, Donald F.; Fuzzell, Joe E.; Greiner, Jonny R.; and Miller, Robert G., to Caterpillar Tractor Company. Motion alarm for vehicles. 3,827,024, 7-30-74, Cl. 340-70.000.
Anderson, Arnold L. Polyacrylates containing flame retardant. 3,810,866, 5-14-74, Cl. 260-45.90r.
Anderson, Arnold L. Polyacrylate plastic compositions containing phenolic ether flame retardants. 3,810,867, 5-14-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polyester plastic compositions containing halogenated aryl flame retardants. 3,824,209, 7-16-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polystyrene plastic compositions containing naphthyl ether flame retardants. 3,830,779, 8-20-74, Cl. 260-45.95g.
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Anderson, Arnold L., to Michigan Chemical Corporation. Polyolefin plastic compositions containing bis-phenoxy flame retardant. 3,833,539, 9-3-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polyurethane plastic compositions containing halogenated aryl compounds as flame retardants. 3,833,540, 9-3-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polyurethane plastic compositions containing flame retardants. 3,835,092, 9-10-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polystyrene plastic compositions containing halogenated aryl flame retardants. 3,835,093, 9-10-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polyolefin plastic compositions containing bisphenoxy flame retardant. 3,835,094, 9-10-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Polystyrene plastic compositions containing bis-phenoxy compounds as flame retardants. 3,849,369, 11-19-74, Cl. 260-45.90r.
Anderson, Arnold L., to Michigan Chemical Corporation. Poly(phenylene oxide) plastic compositions containing halogenated aryl flame retardants. 3,850,879, 11-26-74, Cl. 260-45.90r.
Anderson, Arthur, to Lee, Raymond, Organization, Inc., The. Engine component heating system. 3,798,072, 3-19-74, Cl. 136-161.00e.
Anderson, Arthur A., to Specialty Manufacturing Company. Valve assembly. 3,828,817, 8-13-74, Cl. 137-625.470.
Anderson, Arthur Eugene. Device for storing an electrical cord. 3,806,671, 4-23-74, Cl. 191-12.20r.
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Anderson, Benjamin M.; Mullan, William Harrison; and Tempel, Gerhard W., to Armour and Company. Device for closing a bag under vacuum. 3,796,020, 3-12-74, Cl. 53-112.00b.
Anderson, Benjamin M.; deceased (by Anderson, Madalyn R.; executrix); and Smithers, James P., to Armour and Company. Machine for closing filled bags under vacuum. 3,822,525, 7-9-74, Cl. 53-112.00b.

Anderson, Bernard Fornelius, to Du Pont de Nemours, E. I., and Company. Agricultural mulch films adapted for plant penetration. 3,828,471, 8-13-74, Cl. 47-9.000.

Anderson, Bror E.; and Schick, Margery L., to Weber Marking systems, Inc. Stencil sheet and method of making an imaged stencil sheet. 3,824,116, 7-16-74, Cl. 117-35.500.

Anderson, Bror E.; Schick, Margery L.; and Wedyck, Janis E., to Weber Marking Systems, Inc. Stencil sheet and method of making an imaged stencil sheet. 3,824,117, 7-16-74, Cl. 117-35.500.

Anderson Bros. Mfg. Co.: *See—*
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Stohlquist, Roger H.; and Beert, Carl J., 3,805,478.

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Anderson, Carl C.; and Sturni, Lance C., to PPG Industries, Inc. Method of preparing a cationic acrylic electrodepositable interpolymer. 3,853,803, 12-10-74, Cl. 260-29.6ta.

Anderson, Carl Francis: *See—*
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Anderson, Carroll C., to Ford Motor Company. Vehicle occupant restraining device. 3,834,728, 9-10-74, Cl. 280-150.00b.

Anderson, Charles B.; and Tuggle, William H., Jr., to Atco Rubber Products, Inc. Duct connector. 3,819,209, 6-25-74, Cl. 285-73.000.

Anderson, Charles E., to ESB Incorporated. Unitary cathode cover. 3,841,913, 10-15-74, Cl. 136-107.000.

Anderson, Charles H., to Pennsylvania Engineering Corporation. Steel mill melt shop arrangement. 3,791,636, 2-12-74, Cl. 266-13.000.

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Anderson, Charles Henri Joseph; and Verwegen, Henricus Johannes, to U.S. Philips Corporation. Connection device for elongate lighting fittings. 3,784,143, 1-8-74, Cl. 248-316.00r.

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Anderson, Charlie Emanuel. Wood cutting machine. 3,829,971, 8-20-74, Cl. 30-383.000.

Anderson, Clarence. Left and right trip dogs for carrier tracks. 3,789,695, 2-5-74, Cl. 74-568.00r.

Anderson, Clarence A. F., to Shaw-Walker Company, The. Lateral fire resistant file cabinet. 3,817,589, 6-18-74, Cl. 312-214.000.

Anderson, Clarence A. F., to Shaw-Walker Company, The. Insulated tape file. 3,826,552, 7-30-74, Cl. 312-214.000.

Anderson, Clarence L., to Magnamatrix Corporation. Press for use in bookbinding and the like. 3,842,731, 10-22-74, Cl. 100-264.000.

Anderson, Clayton & Co.: *See—*
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Anderson, Clifford E. Gas supply mechanism for erasing machines. 3,806,977, 4-30-74, Cl. 15-3.530.

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Anderson, Cylde G., to Owens-Illinois, Inc. Carbonation system for recovery of sodium base pulping liquor. 3,826,710, 7-30-74, Cl. 162-36.000.

Anderson, Dale R.; and Grubbs, Conway E., to Chicago Bridge & Iron Company. Method of underwater welding. 3,787,655, 1-22-74, Cl. 219-.720.

Anderson, Daniel J., to Mallory, P. R., & Co., Inc. Electrolytes. 3,812,038, 5-21-74, Cl. 252-62.200.

Anderson, Daniel J. Smoking habit control kit. 3,812,865, 5-28-74, Cl. 131-171.00a.

Anderson, David John: *See—*
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Anderson, David K., to United States of America, Army. Night viewing pocket scope. 3,803,407, 4-9-74, Cl. 250-213.0vt.

Anderson, David P., to Woodall Industries Inc. Apparatus for forming plastic sheets. 3,810,731, 5-14-74, Cl. 425-388.000.

Anderson, David S.; and Kottke, Lawrence F., to Original Equipment Motors, Inc. Dual bobbin assembly for coils. 3,843,946, 10-22-74, Cl. 336-90.000.

Anderson, David W.; Lumry, Rufus W.; and George, Kenyon P., to Varian Associates. Dead volume compensation in concentration difference cell. 3,802,786, 4-9-74, Cl. 356-246.000.

Anderson, Dean K., to Kimberly-Clark Corporation. Apparatus for controlling and transferring cross-laid sheets. 3,822,166, 7-2-74, Cl. 156-426.000.

Anderson, Dennis. Combination roof and side wall extensions for vehicular hauling beds. 3,790,207, 2-5-74, Cl. 296-23.00g.

Anderson, Denver R. Fish stringer and carrier. 3,854,638, 12-17-74, Cl. 224-7.00e.

Anderson Development Company: *See—*
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Anderson, Donal C., to Ciba-Geigy Corporation. Method and compositions for preventing retention of placenta following induced parturition in cattle. 3,856,955, 12-24-74, Cl. 424-243.000.

Anderson, Donald G.: *See—*
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Anderson, Donald J., to Chevron Research Company. Hexahydro-o-xylylene compounds and process for their production. 3,790,643, 2-5-74, Cl. 260-648.00r.

Anderson, Donald Jay: *See—*
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Anderson, Donald L.: *See—*
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Anderson, Donald L., to Del Mar Engineering Laboratories. Electrocardiac computer. 3,858,034, 12-31-74, Cl. 235-151.300.

Anderson, Donald R., to Nalco Chemical Company. Polymeric latices and sodium aluminate. 3,799,902, 3-26-74, Cl. 260-29.6nr.

Anderson, Donald R.; and Frisque, Alvin J., to Nalco Chemical Company. Stable high solids water-in-oil emulsions of water soluble polymers. 3,826,771, 7-30-74, Cl. 260-29.60h.

Anderson, Edward P., to Brunswick Corporation. Reference electrode. 3,853,730, 12-10-74, Cl. 204-195.00f.

Anderson Electric Corporation: *See—*
Eddens, Fletcher C.; Corley, William P.; Salling, Jack Ronald; and McDonald, Ralph E., 3,784,137.

Anderson, Elizabeth L. Simulated tree. 3,850,781, 11-26-74, Cl. 161-23.000.

Anderson, Elmer C.; Dow, John, Jr.; Gutman, William B.; and Oetting, William A., to Lockheed Electronics Company, Inc. Remote control and display for a liquid dispensing system. 3,818,192, 6-18-74, Cl. 235-92.0fl.

Anderson, Emil G.: *See—*
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Anderson, Emmett R., to Applied Materials, Inc. Temperature controlled profiling heater. 3,836,751, 9-17-74, Cl. 219-411.000.

Anderson, Erling. Milking machine valve. 3,782,687, 1-1-74, Cl. 251-347.000.

Anderson, Ernest David; and Cowan, Larry Clyde, to Leesona Corporation. Fluid responsive control valves. 3,812,881, 5-28-74, Cl. 137-596.140.

Anderson, Eugene A. Collating machine. 3,853,314, 12-10-74, Cl. 271-173.000.

Anderson, Floyd R., to Gardner-Denver Company. Resilient drill string guide and seal. 3,833,070, 9-3-74, Cl. 173-164.000.

Anderson, Forrest Symington, to Anderson Mavor Limited. Overload cut-out mecanism for mining machine mechanical haulage mechanism. 3,828,900, 8-13-74, Cl. 192-12.00a.

Anderson, Forrest Symington, to Anderson Mavor Limited. Mineral mining machine steering means. 3,854,775, 12-17-74, Cl. 299-1.000.

Anderson, Fred N.; Bedocs, Michael F.; and Long, Eric L., to Cherry Electrical Products Corporation. Matrix keyboard assembly. 3,819,882, 6-25-74, Cl. 200-1.00r.

Anderson, Frederick Douglas; and Reed, David Austin, to Harris-Intertype Corporation. Method and apparatus for producing magazines or the like. 3,819,173, 6-25-74, Cl. 270-54.000.

Anderson, Frederick V.: *See—*
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Anderson, Gail A., to Minnesota Mining and Manufacturing Company. Wire connector. 3,845,236, 10-29-74, Cl. 174-88.00r.

Anderson, Gene S., to Belden Corporation. Method and apparatus for measuring the effectiveness of the shield in a coaxial cable. 3,839,672, 10-1-74, Cl. 324-51.000.

Anderson, Gerald G.; and Hutto, Ronald C., to Babcock & Wilcox Company, The. Industrial Techinque. 3,799,251, 3-26-74, Cl. 165-68.000.

Anderson, Glen W.: *See—*
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Anderson, Glenn A., Sr., to Sanders Associates, Inc. High intensity modulated infrared radiation source. 3,825,764, 7-23-74, Cl. 250-495.000.

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Anderson, Gordon C.; and Brooks, Frank E., to Soco-Lowell Corporation. Spindle mounting. 3,835,634, 9-17-74, Cl. 57-130.000.

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Anderson, Greenwood & Company: *See—*
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Anderson, Hakan. Feed saver for a poultry egg laying battery. 3,800,739, 4-2-74, Cl. 119-18.000.

Anderson, Harold E., to McCulloch Corporation. Low impedance capacitor discharge system and method. 3,788,293, 1-29-74, Cl. 123-148.00e.

Anderson, Harold E., to McCulloch, Corporation. Eddy current dynamometer speed control circuit and method. 3,838,323, 9-24-74, Cl. 318-302.000.

Anderson, Harold Henry: *See—*
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Anderson, Harold Peter; and Lesser, George Albert, to Bell Telephone Laboratories, Incorporated. Common controlled equalization system. 3,806,658, 4-23-74, Cl. 179-16.00f.

Anderson, Harry B., to United Aircraft Corporation. Beam current regulator for electron beam machines. 3,838,313, 9-24-74, Cl. 315-291.000.

Anderson, Harry Christer; and MacKenzie, Burton Thornley, Jr., to General Electric Company. High voltage cable splice with graded insulation and method of making same. 3,816,639, 6-11-74, Cl. 174-73.00r.

Anderson, Harry T., to Swift & Company. Removal of dissolved or suspended solids in waste water. 3,816,274, 6-11-74, Cl. 204-149.000.

Anderson, Harvey H.: *See—*
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Anderson, Howard L., to BASF Wyandotte Corporation. Liquid level control device. 3,817,274, 6-18-74, Cl. 137-392.000.

Anderson, Hugh G.; Rajan, Jai R. N.; and Morse, Wade H., to United States of America, Navy. Trunnion mounted marine thrust bearing/vibration reducer. 3,826,544, 7-30-74, Cl. 308-160.000.

Anderson, Ingvar G.: *See—*
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Anderson, J. Frank, Jr.: *See—*
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Anderson, James; Lashta, Peter; and Holloway, Francis John, to Consolidated Foods Corporation. Self-sealing disposable vacuum cleaner dust bag. 3,803,815, 4-16-74, Cl. 55-367.000.

Anderson, James D.; and Cheh, Ernest L., to Burndy Corporation. Positive locking contact insertion and testing tool. 3,811,168, 5-21-74, Cl. 29-203.00h.

Anderson, James E.: *See—*
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Anderson, James Hilbert. Dual fluid cycle. 3,795,103, 3-5-74, Cl. 60-65.000.

Anderson, James Hilbert. Geothermal plant cleaning system. 3,846,986, 11-12-74, Cl. 60-641.000.

Anderson, James J.; Camacho, Vasco G.; and Kinney, Robert E., to Mobil Oil Corporation. Cyclic phosphonate esters and their preparation. 3,789,091, 1-29-74, Cl. 260-927.00r.

Anderson, James J.; Byrd, Wendell M., Jr.; and Camacho, Vasco G., to Mobil Oil Corporation. Novel phosphorus-containing compounds and flame retarded polymeric compositions therewith. 3,816,143, 6-11-74, Cl. 106-15.0fp.

Anderson, James J.; Canacho, Vasco G.; and Kinney, Robert E., to Mobil Oil Corporation. Fire retardant polymers containing thermally stable cyclic phosphonate esters. 3,849,368, 11-19-74, Cl. 260-45.80r.

Anderson, James Kagey. Apparatus for improving printing surface of printing material. 3,826,016, 7-30-74, Cl. 34-152.000.

Anderson, James Leroy: *See—*
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Anderson, Jerrel C.; and Heffelfinger, Carl J., to Du Pont de Nemours, E. I., and Company. Silica surfaced films. 3,808,027, 4-30-74, Cl. 117-47.00a.

Anderson, John Alfred, to Procter & Gamble Company, The. Hair setting process. 3,809,098, 5-7-74, Cl. 132-7.000.

Anderson, John Dale, to Hesston Corporation. Spring-loaded gauge roller. 3,782,086, 1-1-74, Cl. 56-344.000.

Anderson, John Dale, to Hesston Corporation. Tailgate control for stackers. 3,842,732, 10-22-74, Cl. 100-270.000.

Anderson, John Erling, to Union Carbide Corporation. Oxygen refuse converter. 3,801,082, 4-2-74, Cl. 266-33.00s.

Anderson, John Erling, to Union Carbide Corporation. Process for preventing solidification if refuse converter taphole. 3,806,335, 4-23-74, Cl. 75-44.00s.

Anderson, John Ernest, to Midland Industrial Computing Limited. Textile machines. 3,821,526, 6-28-74, Cl. 235-151.100.

Anderson, John Ernest, to Midland Industrial Computing Limited. Textile machines. 3,825,900, 7-23-74, Cl. 340-172.500.

Anderson, John Ernest, to Midland Industrial Computing Limited. Textile machines. 3,851,315, 11-26-74, Cl. 340-172.500.

Anderson, John Everett. Gate setting device. 3,851,486, 12-3-74, Cl. 61-63.000.

Anderson, John H.; and Waters, Elmer D., to McDonnell Douglas Corporation. Separable heat pipe assembly. 3,823,769, 7-16-74, Cl. 165-76.000.

Anderson, John H. Trailer hitch guard. 3,841,664, 10-15-74, Cl. 280-507.000.

Anderson, John L.: *See—*
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Anderson, John R. Reclosable package. 3,784,055, 1-8-74, Cl. 221-46.000.

Anderson, John R., to Permutit Company, Inc., The. Process and apparatus for removing impurities from condensate water. 3,849,306, 11-19-74, Cl. 210-38.000.

Anderson, Jon A.: *See—*
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Anderson, Karl R., to Thompson, John T. and Gillemot, George W. Method of using gang connector and patching cable assembly. 3,842,219, 10-15-74, Cl. 179-175.250.

Anderson, Kenneth J., to Carrcraft Manufacturing Company. Universal installation box for use in dryer vent systems and in water supply and drain systems. 3,847,175, 11-12-74, Cl. 137-360.000.

Anderson, L. Ray; Fox, William B.; and Gefri, Frederick J., to Allied Chemical Corporation. Fluorinated peroxides. 3,839,462, 10-1-74, Cl. 260-610.00r.

Anderson Laboratories, Inc.: *See—*
Anderson, Bazeel B., 3,813,928.

Anderson, Lawrence, to Medical Incorporated. Method of forming rotatable suturing member on a device. 3,781,969, 1-1-74, Cl. 29-445.000.

Anderson, Lawrence; Andres, William A.; Arimann, Edith R.; Child, Francis W.; and Swanson, Una N., to Medical Incorporated. Method of making a suturing member and mounting the suturing member on a device. 3,800,403, 4-2-74, Cl. 29-445.000.

Anderson, Lawrence; and Bentzen, Bruce D., to Medical Incorporated. Collet for holding heart valve. 3,828,787, 8-13-74, Cl. 128-303.00r.

Anderson, Lawrence G., to TRW Inc. Multiple lip outer land riding seal. 3,797,899, 3-19-74, Cl. 308-187.100.

Anderson, Lawrence L.: *See—*
Moldovan, Michael T., Jr.; Lindros, Charles J.; Anderson, Lawrence L.; Wescott, Robert D.; and Cusimano, Richard J., 3,847,345.

Anderson, Leif P. R. Loading and unloading device for ship containers. 3,807,582, 4-30-74, Cl. 214-14.000.

Anderson, Leonard Hugo, to RCA Corporation. Asynchronous pulse receiver. 3,848,191, 11-12-74, Cl. 325-326.000.

Anderson, Leonard M., to Clark Equipment Company. Construction for mounting and supporting lines, such as air conduits and electrical conductors. 3,818,659, 6-25-74, Cl. 52-220.000.

Anderson, Leonard R. Tether ball apparatus including roller bearing and vertical barrier. 3,790,171, 2-5-74, Cl. 273-95.00a.

Anderson, Lloyd E.; and Alinder, Gilbert L. Carpet measuring apparatus. 3,785,055, 1-15-74, Cl. 33-128.000.

Anderson, Lloyd L.; and King, Richard J., to Amerock Corporation. Self-closing hinge. 3,835,585, 9-17-74, Cl. 49-398.000.

Anderson, Lloyd L., to Amerock Corporation. Self-closing butt hinge. 3,851,354, 12-3-74, Cl. 16-180.000.

Anderson, Lowell Ray: *See—*
Young David E.; Gould, Douglas E.; Anderson; Lowell Ray; and Fox, Wiliam B., 3,842,156.

Anderson, Lucia E.: *See—*
French, James C.; Anderson, Lucia E.; Bunge, Richard H.; and Howells, John D., 3,795,668.

Anderson Machine and Tool Works, Inc.: *See—*
Jirousek, Arthur E., 3,815,458.

Anderson, Madalyn R.: *See—*
Anderson, Benjamin M.; and Smithers, James P., 3,822,525.

Anderson, Mardis V.: *See—*
Griffee, Leslie V.; and Anderson, Mardis V., 3,811,127.

Anderson, Martin P., to Milwaukee Electric Tool Corporation. Compression spring tensioner for the blade of portable electric band saw. 3,829,970, 8-20-74, Cl. 30-380.000.

Anderson, Marvin R.; and Jungesjo, Harald N., to Anderson-Cook Incorporated. Gear forming machines. 3,793,866, 2-26-74, Cl. 72-88.000.

Anderson, Matthew E.; and Means, James E., to United States of America, Navy. Optical accelerometer. 3,789,674, 2-5-74, Cl. 73-517.00r.

Anderson, Matthew E.; and Redmond, Stephen L., to United States of America, Navy. Digital electronic integrating accelerometer. 3,793,890, 2-26-74, Cl. 73-490.000.

Anderson Mavor Limited: *See*—
Anderson, Forrest Symington, 3,828,900.
Anderson, Forrest Symington, 3,854,775.

Anderson, Michael L.; Fowler, Harold Wayne; and McKie, David Alexander, to Caterpillar Tractor Company. Apparatus for skiving and cleaning reinforced hose. 3,820,421, 6-28-74, Cl. 82-20.000.

Anderson, Niccel N.: *See*—
Anderson, Steve B.; and Anderson, Niccel N., 3,802,571.

Anderson, Niels Lervad; and Hubschmann, Ejvind, to Danfoss A/S. Ignition device for burner installations. 3,829,739, 8-13-74, Cl. 317-98.000.

Anderson, Nigel; and Southworth, Charles Peter, to U.S. Philips Corporation. Electro-mechanically switched permanent magnet holding device. 3,798,581, 3-19-74, Cl. 335-291.000.

Anderson, Norman G.; Burtis, Carl A.; Johnson, Wayne F.; Mailen, James C.; and Scott, Charles D., to United States of America, Atomic Energy Commission. Compact dynamic multistation photometer utilizing disposable cuvette rotor. 3,798,459, 3-19-74, Cl. 250576.000.

Anderson, Norman G., to United States of America, Atomic Energy Commission. Rotor having sample holding means. 3,813,031, 5-28-74, Cl. 233-26.000.

Anderson, Norman G.; and Anderson, Norman L. Operator means associated with multiple switch array and signal to function correlator means. 3,824,354, 7-16-74, Cl. 200-1.00r.

Anderson, Norman J.; Decker, John L.; and Manucso, Jon R., to Zurn Industries, Inc. Flexible disc coupling for tandem coupling assembly. 3,808,837, 5-7-74, Cl. 64-13.000.

Anderson, Norman L.: *See*—
Anderson, Norman G.; and Anderson, Norman L., 3,824,354.

Anderson, Norman R.; and Janatka, Joseph, to Bunker Ramo Corporation. Termination module utilizing conductive elastomer bussing. 3,835,442, 9-10-74, Cl. 339-59.00r.

Anderson, Norman Richard, to Bunker Ramo Corporation. Optoelectronic cable assembly. 3,790,791, 2-5-74, Cl. 250-227.000.

Anderson, Norman Stewart. Injection molding of nylon foam panels. 3,819,780, 6-25-74, Cl. 264-45.000.

Anderson, Paul E., to Martin Marietta Aluminum, Inc. Method of producing continuous cast metallic sheet with patterned surface. 3,844,336, 10-29-74, Cl. 164-277.000.

Anderson, Paul, Industrier AB: *See*—
Andersson, Bengt Valfrid, 3,845,934.

Anderson, Paul L.; and Manning, Robert E., to Sandoz-Wander, Inc. Carboxyamido substituted-2-alkylthio-5-pyrimidinesulfonamides. 3,787,410, 1-22-74, Cl. 260-256.50r.

Anderson, Paul L. Coupon inserter. 3,797,822, 3-19-74, Cl. 271-12.000.

Anderson, Paul L.; and Manning, Robert E., to Sandoz-Wander, Inc. 2-Amino and substituted amino-4,6-diamino-5-pyrimidinesulfonamides. 3,817,998, 6-18-74, Cl. 260-247.100.

Anderson, Paul L.; and Manning, Robert E., to Sandoz-Wander Inc. 2-Alkylthio-4,6-diamino-5-pyrimidinesulfonamides as anti-hypertensives. 3,821,380, 6-28-74, Cl. 424-251.000.

Anderson, Paul L., to Kaiser Aluminum & Chemical Corporation. Sampling device. 3,823,602, 7-16-74, Cl. 73-28.000.

Anderson, Paul L., to Sandoz-Wander Inc. N-substituted amino-N-nitroso-aminoacetonitriles as anti-anginal agents. 3,826,832, 7-30674, Cl. 424-250.000.

Anderson, Paul L., to Sandoz-Wander, Inc. N-substituted amino-N-nitroso-aminoacetonitriles for treating hypertension. 3,852,448, 12-3-74, Cl. 424-250.000.

Anderson, Paul T., to Westinghouse Electric Corporation. Thermally responsive electrical device. 3,792,401, 2-12-74, Cl. 337-49.000.

Anderson, Paul T.; and Ramsey, James B., to Westinghouse Electric Corporation. Electric control device. 3,842,383, 10-15-74, Cl. 337-151.000.

Anderson, Perry W.: *See*—
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, 3,833,413.
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, 3,843,820.
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, 3,843,821.

Anderson, Philip A.: *See*—
Jereb, Richard F.; and Anderson, Philip A., 3,809,044.

Anderson, Philip E. Perpetual calendar and method of determining days of week from calendar dates. 3,800,454, 4-2-74, Cl. 40-109.000.

Anderson, Philip J., to Institute of Gas Technology. Process for removing asphalt topping from pavement substrate. 3,792,907, 2-19-74, Cl. 299-17.000.

Anderson Power Products, Inc.: *See*—
Wilson, Lester E., 3,803,535.
Winkler, Edward D., 3,794,957.

Anderson, Ralph; and Beyer, Rodney B., to Future Systems, Inc. Process for treating waste photographic processing solution and recovering residual silver therefrom as a silver halide. 3,829,549, 8-13-74, Cl. 423-43.000.

Anderson, Ralph B.; and Nelson, Ronald E., to All-Ways Safe Systems, Inc. Apparatus for compacting matter within a confined area. 3,815,501, 6-11-74, Cl. 102-24.00r.

Anderson, Ralph F. Method and apparatus for dispensing semi-fluid material. 3,851,795, 12-3-74, Cl. 222-1.000.

Anderson, Randall H.; Grimsby, Emerson A.; and Kessler, Kenneth, to International Telephone and Telegraph Corporation. Wire stripping and crimping apparatus and method. 3,839,776, 10-8-74, Cl. 29-203.0dt.

Anderson, Ray C. Shotgun shell. 3,796,157, 3-12-74, Cl. 102-42.00c.

Anderson, Ray C. Magazine loaded projector-player. 3,817,607, 6-18-74, Cl. 352-74.000.

Anderson, Ray C. Automatic sound film projector-player. 3,851,957, 12-3-74, Cl. 352-123.000.

Anderson, Raymond A.: *See*—
Scanlon, John J.; Owen, Thomas G.; and Anderson, Raymond A., 3,842,739.

Anderson, Raymond Burr, Jr., to Ceromet, Inc. Split lock ring. 3,844,323, 10-29-74, Cl. 151-28.000.

Anderson, Raymond N.; and Gartner, Stanley J., to GTE Sylvania Incorporated and Driver, Wilbur B., Company. Ribbon straightener. 3,798,947, 3-26-74, Cl. 72-165.000.

Anderson, Raymond P.; and Hill, Robert W., to Custom Resins, Inc., mesne. Transparent polyamides from caprolactam and a mixture of a methyldiaminocyclohexane and a dibasic organic acid. 3,794,625, 2-26-74, Cl. 260-78.00l.

Anderson, Raymond Paul, to Custom Resins, Inc., mesne. Highly transparent linear polyamides from caprolactam and a mixture of diaminobicyclohexyls and a dibasic organic acid. 3,794,624, 2-26-74, Cl. 260-78.00l.

Anderson, Reuben E.: *See*—
Dresen, Stanley F.; and Anderson, Reuben E., 3,843,523.

Anderson, Richard A., to Sundstrand Corporation. Multiple spindle head. 3,849,018, 11-19-74, Cl. 408-46.000.

Anderson, Richard D.; Azelborn, Nicolas A.; and Wade, Wallace R., to Ford Motor Company. Isokinetic sampling probe. 3,793,887, 2-26-74, Cl. 73-421.50r.

Anderson, Richard D.; Azelborn, Nicolas A.; and Wade, Wallace R., to Ford Motor Company. Critical flow venturi. 3,817,100, 6-18-74, Cl. 73-213.000.

Anderson, Richard H., to Clow Corporation. Pipe having coupling means. 3,848,904, 11-19-74, Cl. 285-230.000.

Anderson, Richard John: *See*—
Parfomak, Walter; Anderson, Richard John; and Levine, Alfred, 3,813,665.

Anderson, Richard M.: *See*—
Hafner, Robert O.; and Anderson, Richard M., 3,831,392.
Schmitt, Donald J.; and Anderson, Richard M., 3,852,698.

Anderson, Richard N., to ANF Frangeco S.A. Window structure. 3,795,076, 3-5-74, Cl. 49-102.000.

Anderson, Richard N., to Anderson, V. E., Mfg., Co. Window structure. 3,824,753, 7-23-74, Cl. 52-203.000.

Anderson, Richard N., to Anderson, V. E., Mfg., Co. Window structure. 3,842,540, 10-22-74, Cl. 49-181.000.

Anderson, Richard N., to Anderson, V. E., Mfg. Co. Building structure. 3,854,245, 12-17-74, Cl. 49-449.000.

Anderson, Richard S. Shock absorber mounting assembly. 3,799,481, 3-26-74, Cl. 284-15.000.

Anderson, Richard T.; and Andrist, Willard L., to Owatonna Tool Company. Vortex tube. 3,786,643, 1-22-74, Cl. 62-5.000.

Anderson, Richard T., to Owatonna Tool Company. Tooling for valve guide reconditioning. 3,799,687, 3-26-74, Cl. 408-75.000.

Anderson, Richard T.; and Setheny, Michael J., to Owatonna Tool Company. Combination crane and jack unit. 3,848,749, 11-19-74, Cl. 212-8.000.

Anderson, Richard W.; Weiss, Bernard J.; and Hulley, Hubert E., to Cygned, Inc. Moving target indicator system and apparatus. 3,790,938, 2-5-74, Cl. 343-7.700.

Anderson, Richard W.; and Frick, Hughie R., to Dow Chemical Company, The. Fluorinated cyclobutenyl alkyl ether copolymers. 3,840,603, 10-8-74, Cl. 260-611.00b.

Anderson, Robert: *See*—
Sieurin, Donald; and Anderson, Robert, 3,834,260.

Anderson, Robert Alfred. Underwater breathing apparatus. 3,835,852, 9-17-74, Cl. 128-146.500.

Anderson, Robert Bernard: *See*—
Pieters, William Johan Meindert; Freel, John; and Anderson, Robert Bernard, 3,796,670.

Anderson, Robert Craig, to Imperial Chemical Industries Limited. Tobacco substitute smoking material. 3,818,915, 6-25-74, Cl. 131-2.000.

Anderson, Robert D., Jr.; Hasler, Gerold B.; Kirby, Ralph W.; and White, Kraig R., to International Business Machines Corporation.

Asynchronously operated memory system. 3,800,295, 3-26-74, Cl. 340-173.0dp.

Anderson, Robert Douglas, Jr.; and Kalter, Howard Lee, to International Business Machines Corporation. Time ordered memory system and operation. 3,811,117, 5-14-74, Cl. 340-173.0dr.

Anderson, Robert Du Wayne, to TCI, Inc. Cover for trailers. 3,854,771, 12-17-74, Cl. 296-137.00b.

Anderson, Robert Duwayne, to TCI, Inc. Hydraulic operated dumping spout and cover for side dump box. 3,844,615, 10-29-74, Cl. 298-10.000.

Anderson, Robert F.: *See*—
Adams, Frank H.; and Anderson, Robert F., 3,795,607.

Anderson, Robert F., to Universal Oil Products Company. Plural stages of HF alkylation of isoparaffin with butylene and propylene reactants. 3,787,518, 1-22-74, Cl. 260-683.450.

Anderson, Robert F. Direct reading measuring instruments. 3,787,982, 1-29-74, Cl. 33-166.000.

Anderson, Robert F., to Universal Oil Products Company. Alkylation process using hydrogen fluoride catalyst. 3,830,865, 8-20-74, Cl. 260-671.00r.

Anderson, Robert F., to Universal Oil Products Company. HF alkylation including recycle and further alkylation of the alkylate-containing hydrocarbon. 3,846,505, 11-5-74, Cl. 260-683.450.

Anderson, Robert G., to Chevron Research Company. Ethoxylated hydrocarbyl butanediols. 3,832,408, 8-27-74, Cl. 260-615.00b.

Anderson, Robert G.; and Honnen, Lewis R., to Chevron Research Company. Hydrocarbyl amines for lubricating oil detergents. 3,844,958, 10-29-74, Cl. 252-32.70c.

Anderson, Robert I., to Eastman Kodak Company. Helical web path processing rack. 3,823,859, 7-16-74, Cl. 226-118.000.

Anderson, Robert I., to Eastman Kodak Company. Helical web path processing device utilizing force counter-acting spools. 3,827,617, 8-6-74, Cl. 226-118.000.

Anderson, Robert J., to Parachem Corporation. Wound dressings. 3,813,466, 5-28-74, Cl. 424-28.000.

Anderson, Robert J., to Andersons, The. Dust filter. 3,813,853, 6-4-74, Cl. 55-96.000.

Anderson, Robert K. Vehicle snack tray. 3,785,300, 1-15-74, Cl. 108-44.000.

Anderson, Robert L.; and Stine, Robert Darrell, Jr., to Maxwell Laboratories, Inc. Marx pulse generator module and generator system. 3,832,569, 8-27-74, Cl. 307-110.000.

Anderson, Robert L. Diver's pack. 3,842,611, 10-22-74, Cl. 61-70.000.

Anderson, Robert L., Jr., to Essex International, Inc. Digital engine control apparatus and method. 3,835,819, 9-17-74, Cl. 123-32.0ea.

Anderson, Robert N.; and Parlee, Norman A. D., to Parlee Anderson Corporation. Carbothermic reduction method for converting metal oxides to metal form. 3,794,482, 2-26-74, Cl. 75-84.10r.

Anderson, Robert N.; and Parlee, Norman A., to Parlee Anderson Corporation. Actinide nitride-fueled reactor and continuous method of operating the same. 3,843,765, 10-22-74, Cl. 423-11.000.

Anderson, Robert N.; and Parlee, Norman A., to United States of America, Navy. Method of reprocessing nuclear fuels. 3,843,766, 10-22-74, Cl. 423-11.000.

Anderson, Robert V. Combination partial tent and full tent device. 3,847,170, 11-12-74, Cl. 135-1.00r.

Anderson, Ronald A., to Schlumberger Technology Corporation. Well bore force-measuring apparatus. 3,827,294, 8-6-74, Cl. 73-151.000.

Anderson, Ronald R., to Brunswick Corporation. Crankcase valve structrue for a two-cycle engine. 3,815,559, 6-11-74, Cl. 123-73.00n.

Anderson, Ronald Vernon, to International Telephone and Telegraph Corporation. High voltage in-line disconnect switch. 3,813,504, 5-28-74, Cl. 200-48.00r.

Anderson, Ronald W.; and Henry, William B., to Balance Technology, Inc. Method and apparatus for balancing segmented parts. 3,782,202, 1-1-74, Cl. 73-455.000.

Anderson, Ronald Walter: *See*—
Liang, Shou Chu; Milner, Edward Francis Godfrey; Toop, Gerald Wesley; and Anderson, Ronald Walter, 3,847,595.

Anderson, Russell O.: *See*—
Ehret, Yale W.; and Anderson, Russell O., 3,808,742.

Anderson, Sherman D. Metal detecting apparatus having improved ground-effect. 3,823,365, 7-9-74, Cl. 324-3.000.

Anderson, Sidney Elmer: *See*—
Fowler, Gene Roger; and Anderson, Sidney Elmer, 3,826,350.

Anderson, Sidney Elmer, to Deere & Company. Harvester roll structure. 3,832,836, 9-3-74, Cl. 56-104.000.

Anderson, Stanley E., to United States of America, Army, mesne. Supported high-surface-area propellant changes for high-acceleration rackets. 3,807,171, 4-30-74, Cl. 60-255.000.

Anderson, Stanley R. Rotary massager. 3,845,758, 11-5-74, Cl. 128-56.000.

Anderson, Steve B.; and Anderson, Niccel N. Roll paper holder and ashtray combination. 3,802,571, 4-9-74, Cl. 211-13.000.

Anderson, Terry G.: *See*—
Gaynor, Joseph; Anderson, Terry G.; Hines, Walter; and Tyler, Len A., 3,820,985.

Anderson, Theodore Carl, to Bell Telephone Laboratories, Incorporated. Apparatus and method for measuring envelope delay utilizing -point technique. 3,842,247, 10-15-74, Cl. 235-152.000.

Anderson, Theodore H.; O'Konski, George J.; and Zell, Michael N., to International Business Machines Corporation. Sheet pick-up and feeding device. 3,837,638, 9-24-74, Cl. 271-95.000.

Anderson, Thomas Alexander, to Westinghouse Brake English Electric Semi-Conductors Limited. Triac. 3,787,719, 1-22-74, Cl. 317-235.00r.

Anderson, Thomas E.; and Martzloff, Francois D., to General Electric Company. Integrated polycrystalline varistor surge protective device for high frequency applications. 3,845,358, 10-29-74, Cl. 317-61.000.

Anderson, Travis H.; and Anderson, Harvey H., to Acryltech, Incorporated, mesne. Method for prestressing reinforced thermoset resins. 3,817,806, 6-18-74, Cl. 156-161.000.

Anderson, V. E., Mfg., Co.: *See*—
Anderson, Richard N., 3,824,753.
Anderson, Richard N., 3,842,540.
Anderson, Richard N., 3,854,245.

Anderson, Vernard C.; Cantaloupe, Francis A.; and Overman, Kenneth T., to Corning Glass Works. Extrusion die cleaning apparatus. 3,799,178, 3-26-74, Cl. 134-58.00r.

Anderson, Victor F.: *See*—
Miller, Alexander, Jr.; Anderson, Victor F.; Holt, Raymond W.; and Fortenbach, Robert W., 3,804,330.
Miller, Alexander, Jr.; Anderson, Victor F.; Holt, Raymond W.; and Fortenbach, Robert W., 3,823,873.

Anderson, Wallace E.: *See*—
Krall, Albert D.; Anderson, Wallace E.; and Syeles, Albert M., 3,806,947.

Anderson, Walter F., Jr.: *See*—
Madjid, Abdul Hamid; Vaala, Allen R.; Anderson, Walter F., Jr.; and Pedulla, Joseph, Jr., 3,788,818.

Anderson, Warren A.; Labadini, William M.; and Passmore, Edmund M., to GTE Sylvania Incorporated. Extended life, double coil incandescent lamp. 3,858,086, 12-31-74, Cl. 315-49.000.

Anderson, Warren Gregory, to American Standard Inc. Process for forming ceramic sanitary ware having a stone-like appearance. 3,812,229, 5-21-74, Cl. 264-60.000.

Anderson, Wayne S.: *See*—
Fulkerson, Homer L.; and Anderson, Wayne S., 3,840,261.

Anderson, Wendell W.: *See*—
Apple, Willis, J.; and Anderson, Wendell W., 3,811,756.

Anderson, Weston A.; and Ernst, Richard R., to Varian Associates. Magnetic resonance spectrometer employing stochastic resonance by a pseudorandom binary sequence and time-share modulation. 3,786,341, 1-15-74, Cl. 324-.50r.

Anderson, Weston A., to Varian Associates. Induced electron emission spectrometer using plural radiation sources. 3,787,692, 1-22-74, Cl. 250-305.000.

Anderson, Weston Arthur. Electrical conductivity measurement method and apparatus. 3,784,908, 1-8-74, Cl. 324-62.000.

Anderson, Weston Arthur. Brainwave analysis and feedback method and apparatus. 3,826,243, 7-30-74, Cl. 128-2.10b.

Anderson, William A.: *See*—
Vernam, William D.; and Anderson, William A., 3,857,165.

Anderson, William A.; and Franz, Edmund C., to Aluminum Company of America. Silicon-manganese aluminum base architectural alloy. 3,790,452, 2-5-74, Cl. 204-29.000.

Anderson, William A.; and Franz, Edmund C., to Aluminum Company of America. Aluminum alloy products and surface treatment. 3,818,566, 6-25-74, Cl. 29-195.000.

Anderson, William H. Camping trailer. 3,811,723, 5-21-74, Cl. 296-26.000.

Anderson, William Lambert: *See*—
Andrew, Herbert Francis; Anderson, William Lambert; and Marshall, William James, 3,816,069.

Anderson, William P.: *See*—
Harris, Everett K.; Anderson, William P.; and Lannert, James W., 3,851,920.

Anderson, William S.; and Gerken, Roman, to United States Banknote Corporation. Window fastener. 3,848,390, 11-19-74, Cl. 52-758.00h.

Anderson, William T.; and Wallace, Robert A., Jr., to Do All Company. Numerically controlled machine tool. 3,783,253, 1-1-74, Cl. 235-151.110.

Anderson, William T., to Do All Company. Tool changer. 3,811,179, 5-21-74, Cl. 29-568.000.

Anderson, William W., Jr.; and Burcher, Ray M. Electrical interlocking safety belt system. 3,831,140, 8-20-74, Cl. 340-52.00e.

Anderson-Cook Incorporated: *See*—
Anderson, Marvin R.; and Jungesjo, Harald N., 3,793,866.

Andersons, The: *See*—
Anderson, Robert J., 3,813,853.

Andersson, Axel Lennart, to Gullaskrufs Glasbruks AB. Multi-purpose grinding mill. 3,827,641, 8-6-74, Cl. 241-101.00r.

Andersson, Bengt Valfrid, to Anderson, Paul, Industrier AB. Climbing pole for climbing jacks. 3,845,934, 11-5-74, Cl. 254-105.000.

Andersson, Borje; and Fors, Torsten, to Aktiebolaget Vibro-Verken. Apparatus for scraping compacting drums. 3,802,339, 4-9-74, Cl. 100-174.000.

Andersson, Borje Egon; Gothberg, Karl Hakan; and Strand, Udd Johannes, to Aktiebolaget Electrolux. Apparatus for transferring articles from storage paths of a roller-type conveyor system to a transfer unit. 3,805,974, 4-23-74, Cl. 214-16.40a.

Andersson, Bror Adolf. Ski-holding device with mountings for clamp straps. 3,833,160, 9-3-74, Cl. 224-42.10f.

Andersson, Conny, to Allmanna Svenska Elektriska Aktiebolaget. Channel type induction furnace. 3,798,344, 3-19-74, Cl. 13-29.000.

Andersson, Emil Johan Wilcott; Grondahl, Sven Algot; Rydahl, Nils Anders; and Osterholm, Tom Eric, to Aktiebolaget Electrolux. Apparatus for transferring material from and to predetermined positions. 3,819,061, 6-25-74, Cl. 214-1.0bb.

Andersson, Ernst Albin. Racing figures pulled by lines randomly wound on spools. 3,785,649, 1-15-74, Cl. 273-86.00g.

Andersson, Hans; and Edet, Hakon. Biological toilet. 3,808,609, 5-7-74, Cl. 4-133.000.

Andersson, Ingvar, to Bevaknings AB Securitas. Ionization smoke detector. 3,838,283, 9-24-74, Cl. 250-381.000.

Andersson, Jarl Anders; and Stadmark, Nils Hagert, to Alfa-Laval AB. Heat exchanger plates. 3,783,090, 1-1-74, Cl. 161-166.000.

Andersson, Jarl Anders, to Alfa-Laval AB. Plate heat exchanger. 3,792,730, 2-19-74, Cl. 165-167.000.

Andersson, Jarl Anders, to Alfa-Laval AB. Heat exchanging plate with pressed ridges. 3,809,156, 5-7-74, Cl. 165-167.000.

Andersson, Jarl Anders, to Alfa-Laval AB. Heat exchanging plate. 3,817,324, 6-18-74, Cl. 165-167.000.

Andersson, Jens Karl-Olof, to AGA Aktiebolag. Device for optical-mechanical scanning of images by means of corner reflectors. 3,802,759, 4-9-74, Cl. 350-7.000.

Andersson, John-Erik, to Aktiebolaget Bofors. Holder for force transducer. 3,824,846, 7-23-74, Cl. 73-100.000.

Andersson, Kjell Arne, to Husqvarna Vapenfabriks Aktiebolag. Propulsion device. 3,854,546, 12-17-74, Cl. 180-70.00r.

Andersson, Lars-Olof; and Andersson, Maggie Miller, to AB Kabi. Method for isolation of antithrombin from animal tissue material by adsorption on sulfated carbohydrate gel. 3,842,061, 10-15-74, Cl. 260-112.00b.

Andersson, Maggie Miller: *See*—
Andersson, Lars-Olof; and Andersson, Maggie Miller, 3,842,061.

Andersson, Ove. Fuse, more especially a weak-current fuse for motor vehicles or the like. 3,818,408, 6-18-74, Cl. 337-206.000.

Andersson, Per Ake, to International Cybernetic Machines Limited. Coin testing device. 3,845,849, 11-5-74, Cl. 194-97.00r.

Andersson, Sven Gerhard. Device for setting knife holders, particularly at a band cutting machine. 3,857,315, 12-31-74, Cl. 83-504.000.

Andersson Sven Ingemar, to Torsten Jeppsson A B. Packaging trays and methods of making them. 3,834,606, 9-10-74, Cl. 229-2.500.

Andersson, Sven Ingemar, to Jeppsson, Torsten, AB and Svenska Agghandelsforbundet Foren U.P.A. Egg cartons. 3,836,067, 9-17-74, Cl. 229-44.00r.

Anderton, John J.; Dudzic, Max S.; and Wrhen, Wilmer C., to United States Steel Corporation. Assembly gauge for curved roll rack frame construction. 3,831,661, 8-27-74, Cl. 164-282.000.

Anderton, John J.; Dudzic, Max S.; and Wrhen, Wilmer C. Curved roll-rack frame construction. 3,841,389, 10-15-74, Cl. 164-282.000.

Anderton, John J.; Dudzic, Max S.; and Wrhen, Wilmer C., to United States Steel Corporation. Method of assembling a curved roll-rack. 3,854,188, 12-17-74, Cl. 29-407.000.

Anderton, Thomas L.: *See*—
Sandow, Kiyoshi; and Anderton, Thomas L., 3,791,088.

Andeweg, Fritz J. Collapsible flexible material candle mold. 3,815,863, 6-11-74, Cl. 249-178.000.

Andiel, Karl: *See*—
Heichlinger, Norbert; and Andiel, Karl, 3,854,313.

Andis, Mathew, Sr. Stride and knead massager. 3,850,163, 11-26-74, Cl. 128-57.000.

Andler, Richard C.; and Kinsella, Richard Irving, to Eastman Kodak Company. Detecting mechanism for detecting a missing or displaced film end portion of a film magazine. 3,802,051, 4-9-74, Cl. 29-208.00c.

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Andlick, Colin; and Covington, Robert Allen, Jr., to Du Pont de Nemours, E. I., and Company. Slurry polymerization reactor. 3,801,286, 4-2-74, Cl. 23-285.000.

Ando, Akio: *See*—
Sano, Takao; Fukuda, Katsuhiro; Ando, Akio; and Tameno, Louzou, 3,851,448.
Tsuchiyama, Yoshio; Oka, Toshihiko; Takai, Jun; Fukuda, Katsuhiro; and Ando, Akio, 3,844,099.

Ando, Akira, to Safer Co., Ltd. Noxious gas minimizing method and apparatus for an internal-combustion engine. 3,834,359, 9-10-74, Cl. 123-1.00a.

Ando, Eiichi: *See*—
Hirao, Toshiro; and Ando, Eiichi, 3,830,096.

Ando, Masaki, to Nippon Electric Company, Limited. Channel diplexer wherein coupling aperture balance and cancel out undesired modes. 3,845,415, 10-29-74, Cl. 333-6.000.

Ando, Masamoto: *See*—
Inada, Masami; and Ando, Masamoto, 3,809,437.

Ando, Masanobu: *See*—
Akiyama, Tadashi; Fukuda, Ryuhei; Ando, Masanobu; Wada, Norikazu; Umeda, Toshio; and Shiga, Tatsuhide, 3,823,725.
Akiyama, Tadashi; Fikuda, Ryuhei; Ando, Masanobu; Wada, Norikazu; Umeda, Toshio; and Shiga, Tatsuhide, 3,823,726.

Ando, Masao: *See*—
Minami, Hiroshi; Ando, Masao; and Obata, Yoshiharu, 3,784,741.

Ando, Masao; and Takeda, Yukiyasu, to Sumitomo Light Metal Industries, Ltd. Method and apparatus for sensing flatness of metal sheet. 3,850,024, 11-26-74, Cl. 73-37.700.

Ando, Masaru: *See*—
Sawano, Takahiro; Kubota, Katuhiko; Ando, Masaru; Wada, Moriyasu; Murayama, Tohru; and Ozawa, Tadayuki, 3,789,275.

Ando, Noriaki; Yaeda, Yasuyuki; Furuta, Isao; and Sakata, Ryuichi, to Japan Synthetic Rubber Co., Ltd. Composition containing crystalline 1,2-polybutadine. 3,827,991, 8-6-74, Cl. 260-5.000.

Ando, Noriyoshi: *See*—
Yoshida, Hiroshi; Ando, Noriyoshi; and Oishi, Kazuo, 3,816,717.

Ando, Noriyoshi; Yamamoto, Noboru; and Yoshida, Hiroshi, to Nippondenso Co., Ltd. Exhaust gas cleaning device for internal combustion engines. 3,805,757, 4-23-74, Cl. 123-136.000.

Ando, Ryo, to Nippon Kokan Kabushiki Kaisha. Method and apparatus for the pretreatment of molten pig iron. 3,824,095, 7-16-74, Cl. 75-58.000.

Ando, Ryo; and Hagiwara, Kokichi, to Nippon Kokan Kabushiki Kaisha. Apparatus for direct iron reduction. 3,831,913, 8-27-74, Cl. 266-24.000.

Ando, Satoshi; Matsui, Masao; and Ogata, Fumimaro, to Kanegafuchi Boseki Kabushiki Kaisha and Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa S.p.A. Spinneret for spinning composite multi-core filaments. 3,849,044, 11-19-74, Cl. 425-131.500.

Ando, Shigemi, to Mitsui Shipbuilding and Engineering Co., Ltd. Cargo vessel for carrying liquid cargo. 3,812,807, 5-28-74, Cl. 114-74.00r.

Ando, Shigeru; and Miyazawa, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Data retrieval system. 3,841,729, 10-15-74, Cl. 350-3.500.

Ando, Shigeru; and Miyazawa, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Stereoscopic television system. 3,852,524, 12-3-74, Cl. 178-6.500.

Ando, Shizuo, to Pioneer Electronic Corporation. Telephone auto-answering device with record medium substitution. 3,845,248, 10-29-74, Cl. 179-6.00r.

Ando, Takeki: *See*—
Hayase, Shunichiro; Shima, Seiya; Ando, Takeki; Kuroha, Hiroaki; and Kurosawa, Toshiaki, 3,826,961.

Ando, Takuo; and Yamazaki, Hiroyuki, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Adhesive crayon composition containing sorbitol-benzaldehyde reaction product as additive. 3,846,363, 11-5-74, Cl. 260-29.6bm.

Ando, Tetsuo; and Matsumoto, Hiroyuki, to Sony Corporation. Digital-to-analog converter circuit. 3,836,906, 9-17-74, Cl. 340-347.0da.

Ando, Tetsuo; and Hirata, Yoshimi, to Sony Corporation. Charge transfer device. 3,848,328, 11-19-74, Cl. 29-578.000.

Ando, Tokushi: *See*—
Iwata, Tokushige; Hojyo, Nobuyoshi; Ando, Tokushi; and Miwa, Masao, 3,793,873.

Ando, Tomohiko, to Ricoh Co., Ltd. Device for adjusting and fixing parts requiring fine adjustments, particularly parts of an optical system. 3,850,402, 11-26-74, Cl. 248-476.000.

Ando, Tomonori: *See*—
Tsuchihara, Toyoji; Takahashi, Toshiaki; Ishii, Yoshibumi; Ando, Tomonori; and Takiyama, Eiichiro, 3,808,114.

Ando, Toshiaki: *See*—
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Ando, Yujiro: *See*—
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Andoh, Shizuo; Urade, Toshinori; and Hirose, Tadatsugu, to Fujitsu Limited. Plasma display panel. 3,801,851, 4-2-74, Cl. 313-220.000.

Andoh, Shizuo; Shirouchi, Yasunari; and Hirose, Tadatsugu, to Fujitsu, Limited. Gas discharge panel. 3,803,440, 4-9-74, Cl. 313-220.000.

Andoh, Shizuo; Nakayama, Norihiko; and Shirouchi, Yasunari, to Fujitsu Limited. Gas discharge panel. 3,811,062, 5-14-74, Cl. 313-188.000.

Andoh, Shizuo; Shirouchi, Yasunari; and Hirose, Tadatsugu, to Fujitsu Limited. Display system for a plasma display device. 3,839,715, 10-1-74, Cl. 340-324.00m.

Andolph, James B.: *See*—
Nelson, Jerome W.; Andolph, James B., and Miller, Ford S., 3,844,468.

Andoniev, Dergei Mikhailovich; Alexandrov, Nikolai Nikitovich; Klochnev, Nikolai Ivanovich; Kovalevich, Evgeny Vladimirovich; Kudinov, Gennady Alexandrovich; Kutsykovich, Dorina Borisovna; Kulikov, Vasily Ivanovich; and Filipiev, Vladimirovich. Method for manufacturing cooling members for cooling systems of metallurgical furnaces. 3,822,736, 7-9-74, Cl. 164-100.000.

Andoniev, Sergei Mikhailovich; Zilberman, Leonid Borisovich, Kudinov, Gennady Alexandrovich; Kutsykovich, Dorina Borisovna; Lukashev, Vladimir Afanasievich; Raikovsky, Jury Borisovich; and Filipiev, Oleg Vladimirovich. System for evaporative cooling of metllurgical units. 3,818,870, 6-25-74, Cl. 122-7.00r.

Andra, Klaus: *See*—
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Andrako, Thomas E., to Addressograph-Multigraph Corporation. Quality control of electrostatic image developer mix. 3,855,969, 12-24-74, Cl. 118-637.000.

Andre, Elie; and Mahieu, Marc, to U.S. Philips Corporation. Method of manufacturing semiconductor body. 3,823,043, 7-9-74, Cl. 148-171.000.

Andre, Godel Albert, to Compagnie Industrielle de Procedes & d'Applications S.A. Self agglomerating fluidized bed reacting apparatus. 3,840,345, 10-8-74, Cl. 23-284.000.

Andre, Jules E. Safety ski binding. 3,801,119, 4-2-74, Cl. 280-11.35k.

Andre, L. George, Barthalomew, Wayne R.; and Worline, Paul W., 1/2 to Acraloc Corporation and 1/2 to Rheem Manufacturing Company. Device for the evacuation, clipping and trimming of bag-like packages. 3,795,085, 3-5-74, Cl. 53-112.00b.

Andrea Radio Corporation: *See*—
Feinman, George; and Haven, Richard, 3,783,442.

Andreaggi, Joseph R., to Weston Instruments, Inc. Portable instrument. 3,813,004, 5-28-74, Cl. 220-96.000.

Andreaggi, Joseph R.; Graf, Robert J.; and Relis, Matthew J., said Andreaggi assor. of 1/2 to said Graf, Robert J. Visual and magnetic recording systems. 3,823,405, 7-9-74, Cl. 346-74.0mp.

Andreani, Monique Andree: *See*—
Leclercq, Marius, Morin, Daniel Louis, Damien, Michael Henri, and Andreani, Monique Andree, 3,846,224

Andreas, Ehrhardt: *See*—
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Andreas, Gordon C., to UMC Industries, Inc. Electrical switch with adjustable actuating arm. 3,835,279, 9-10-74, Cl. 200-332.000.

Andreas Stihl Maschinenfabrik. *See*—
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Hubka, Vladimir; Rehhoff, Henning, and Andreasen, Mogens Myrup, 3,823,659

Andreassen, Lauritz; and Rosdal, Godthard, deceased (by Rosdal, Inger, widow), to A/S Trondhjems Nagle & Spigerfabrik. Adjustable damping device, in particular for boring bars and the like. 3,838,936, 10-1-74, Cl. 408-143.000.

Andreassen, Victor Paul, to Smidth, F. L., & Co. Lined coolers for rotary kilns. 3,790,335, 2-5-74, Cl. 432-80.000.

Andreasson, Bror Elis. Air valves. 3,785,395, 1-15-74, Cl. 137-223.000.

Andreasson, Bror Elis. Device for pressing air into inflatable articles. 3,845,795, 11-5-74, Cl. 141-313.000.

Andreasson, Jan Erik: *See*—
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Andree, Dietrich, to Hoesch Aktiengesellschaft. Single-row angular contact ball bearing. 3,804,478, 4-16-74, Cl. 308-227.000.

Andree, Klaus; Fels, Werner; Hartwig, Ulrich; and Karius, Helmut, to Hell, Rudolf, Dr. Ing., GmbH. Self-adjusting burning pin writing system for a facsimile sheet recorder. 3,803,635, 4-9-74, Cl. 346-74.0sb.

Andreev, Oleg Semenovich; Birjukov, Boris Konstantinovich; Byzov, Yury Mikhailovich; Lekhtman, Moisei Abramovich; Perelberg, Azik Iosifovich; Strimbling, Semen Itskhovich; Trachevsky, Boris Sergeevich; Fikhman, Isak Berovich; Cherepakha, Pavel Andreevich; nd Shraifeld, Tamara Yakovlevna. Light-beam oscillograph. 3,821,749, 6-28-74, Cl. 346-109.000.

Andreev, Sergei Vasilievich, Leibenzon, Mikhail Grigorievich, Trushin, Jury Petrovich; and Luzgin, Mikhail Sergeevich. Device for rated pasting of insect eggs on substratum. 3,847,113, 11-12-74, Cl. 118-40.000.

Andreev, Vladimir Ivanovich. *See*—
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Andreotti, Raymond E., to United States of America, Army. Liquid chromatography apparatus. 3,826,373, 7-30-74, Cl. 210-198.00c

Andres, Karlheinz: *See*—
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Andres, Rudolf; Moller, Hermann; and Seyfried, Franz, to Daimler-Benz Aktiengesellschaft. Pneumatically operating control installation for the automatic alignment of motor vehicle headlights. 3,784,810, 1-8-74, Cl. 24-7 11j.

Andres, Rudolf, to Daimler-Benz Aktiengesellschaft. Installation for the venting of fuel tanks. 3,817,421, 6-18-74, Cl. 220-85.0vr.

Andres, Rudolf, Moller, Hermann, and Seyfried, Franz, to Daimler-Benz Aktiengesellschaft. Method and apparatus for detecting leakages in the vacuum system of motor vehicles. 3,820,382, 6-28-74, Cl. 73-40.700.

Andres, Rudolf, to Daimler-Benz Aktiengesellschaft. Retaining installation for the passengers of vehicles, especially motor vehicles. 3,838,746, 10-1-74, Cl. 180-82.00e.

Andres, Rudolf; Moller, Hermann, and Seyfried, Franz, to Daimler-Benz Aktiengesellschaft. Pneumatic control system for automatic alignment of motor vehicle headlights. 3,840,729, 10-8-74, Cl. 240-7.11j.

Andres, Rudolf, Moller, Hermann, and Seyfried, Franz, to Daimler-Benz Aktiengesellschaft. Pneumatically operating control system for automatic alignment of motor vehicle headlights. 3,840,730, 10-8-74, Cl. 240-7.11j.

Andres, Rudolf, to Daimler-Benz Aktiengesellschaft. Vehicle vacuum line priority valve. 3,842,931, 10-22-74, Cl. 180-103.000

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Andres, William A., Quanrud, Larry D., Koppa, Charles J., Becker, Larry F., Christoffersen, William K., and Keely, James L., to Washington Scientific Industries, Inc. Projection screen. 3,851,950, 12-3-74, Cl. 350-125.000

Andresen, Arne O., to Walker Forge, Inc. Machine for forming metal stock for hot forging. 3,783,673, 1-8-74, Cl. 72-407.000.

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Andresen, Karl-Heinz, to Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung. Roll gap detection. 3,850,015, 11-26-74, Cl. 72-31.000.

Andresen, William F., Jr., to FMC Corporation. Sheet position detector. 3,817,157, 6-18-74, Cl. 93-54.00r.

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Andress, Harry J., Jr., and Piotrowski, Alfred B., to Mobil Oil Corporation. Organic compositions containing N-acyl benzotriazoles. 3,791,803, 2-12-74, Cl. 44-63.000

Andress, Harry J., Jr., to Mobil Oil Corporation. Organic compositions containing aminoguanidine antioxidants. 3,809,719, 5-7-74, Cl. 260-564.00f.

Andress, Harry J., Jr., and Ashjian, Henry, to Mobil Oil Corporation. Liquid hydrocarbon fuels. 3,811,847, 5-21-74, Cl. 44-63.000.

Andress, Harry J., Jr., to Mobil Oil Corporation. Lubricant having therein a methylene oxyaromatic compound. 3,838,051, 9-24-74, Cl. 252-52.00r.

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Andreu Batllo, Francisco Javier, and Bufill, Juan Antonio, to Andreu, Doctor, S.A. Method of eliminating or alleviating local pain with diethylaminoethyl flufenamente. 3,814,811, 6-4-74, Cl. 424-309.000.

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Andrew, Herbert Francis; Anderson, William Lambert; and Marshall, William James, to Imperial Chemical Industries Limited. Coloring cellulose textile material with a cellulose-reactive dye. 3,816,069, 6-11-74, Cl. 8-54.200.
Andrew, Keith Lenton; Charnock, John Anthony; and Browne, John Prescott. Yarn drive roller. 3,831,874, 8-27-74, Cl. 242-47.010.
Andrews, Alton M. Quick fastening screw device. 3,842,877, 10-22-74, Cl. 151-14.00r.
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Andrews, Charles L., Jr., to True Distance, Inc. Combination golf score card and true distance indicator-calculator. 3,805,411, 4-23-74, Cl. 35-7.00r.
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Andrews, Harry E., to Andrews, L. P., & Co., Incorporated. Golf club with shiftable mercury mass. 3,843,135, 10-22-74, Cl. 273-170.000.
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Andrews, Hugh M. Carpet saver. 3,820,841, 6-28-74, Cl. 297-217.000.
Andrews, James D., to TRW Inc. Electrochemical machining method and apparatus. 3,793,170, 2-19-74, Cl. 204-129.600.
Andrews, James D., to TRW Inc., mesne. Electrolytic hole forming cathode electrode. 3,803,018, 4-9-74, Cl. 204-290.00r.
Andrews, James D., to TRW Inc. Electrochemical machining cutoff. 3,846,262, 11-5-74, Cl. 204-129.600.
Andrews, James S., to American Stress Wire Corporation. Method and apparatus for tensioning and anchoring tensioning members. 3,787,957, 1-29-74, Cl. 29-452.000.
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Andrews, Joseph J., to Keystone Automated Equipment Co. Safety system and method. 3,805,085, 4-16-74, Cl. 307-115.000.
Andrews, Kenneth John Maynard; and Tong, Brian Peter, to Hoffmann-La Roche Inc. Pyrimidotriazines. 3,813,393, 5-28-74, Cl. 260-249.500.
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Andrews, Roger Wayne. Novelty electric motor. 3,783,550, 1-8-74, Cl. 46-45.000.
Andrews, Roland Eugene; and White, Robert Edward, to Tektronix, Inc. Oscilloscope having external trigger display mode. 3,795,834, 3-5-74, Cl. 315-26.000.
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Andrews, Stuart R.; and Morse, Lewis D., to Merck & Co., Inc. Production of sodium erythorbate crystals of microcrystalline size. 3,853,920, 12-10-74, Cl. 260-343.700.
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Andrews, Theodore E., to Armstrong Cork Company. Conduit-slitting method. 3,855,886, 12-24-74, Cl. 83-7.000.
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Andrezejak, Sigmund L.; Orehoski, Michael A.; Shapland, James T.; and Szumilas, Raymond S., to United States Steel Corporation. Method of opening an intermediate vessel nozzle for continuous casting. 3,809,146, 5-7-74, Cl. 164-66.000.
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Andrianov, Vladimir Rubenovich: *See—*
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Andries, Francis M., to Computer Medical Science Corporation. Electronic stethoscope system. 3,790,712, 2-5-74, Cl. 179-1.0st.
Andriessen, Ronald Carl, to Formflo Limited. Diametral control of rolled rings. 3,839,892, 10-8-74, Cl. 72-108.000.
Andriessen, Wilhelmus: *See—*
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Andrikian, Charles P., to Hughes Aircraft Company. Tee junction waveguide circulator having dielectric matching posts at junction. 3,851,279, 11-26-74, Cl. 333-1.100.
Andringa, Keimpe. Laser gyroscope. 3,854,819, 12-17-74, Cl. 356-106.0lr.
Andriola, Achilles D.; Kuehn, Howard E.; Whittum, Warren C.; and Wink, Donald E., to USM Corporation. Drive for shell-type rolls. 3,855,681, 12-24-74, Cl. 29-115.000
Andriola, Frank D.; and Suraci, Frank A., Jr., to Parodi Cigar Corporation. Short filler cigar-machine. 3,817,257, 6-18-74, Cl. 131-22.00a.
Andrish, Jack T.: *See—*
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Andrus, Everett Howard. Apparatus for heat treating continuous wire and rod. 3,857,673, 12-31-74, Cl. 432-59.000.
Andrus, Paul G.: *See—*
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Andrus, William C.; and Wienszkowski, Thomas H., to Steelcase Inc. Article of furniture. 3,826,533, 7-30-74, Cl. 297-445.000.
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Andrychuk, Dmetro, to Texas Instruments Incorporated. Image conversion and amplifying device. 3,829,692, 8-13-74, Cl. 250-330.000.
Ane, Jean-Pierre; Teillard, Jean-Paul; and Ouere, Emile, to Societe Nationale Industrielle Aerospatiale. Flow limiter. 3,788,352, 1-29-74, Cl. 137-523.000.
Anefall, Gunnar, to Allmanna Svenska Elektriska Aktiebolaget. Method of punching sheet segments having substantially annular sector shape. 3,854,355, 12-17-74, Cl. 83-50.000.
Anelli, John: *See—*
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Anello, Louis G.; and Sweeney, Richard F., to Allied Chemical Corporation. Polyfluoroisoalkoxyalkyl sulfonic acids. 3,821,290, 6-28-74, Cl. 260-513.00r.
Anello, Louis G.; and Sweeney, Richard F., to Allied Chemical Corporation. Symmetrical polyfluoroisoalkoxyalkyl quaternary ammonium sulfates. 3,839,343, 10-1-74, Cl. 260-294.80r.
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Anfossi, Henri, to Service d'Exploitation Industrielle des Tabacs. Device for forming groups of objects moved on a conveyor as a single layer sequence. 3,800,936, 4-2-4, Cl. 198-34.000.
Anfruns, Luis Sentis. Knitted fabric linking machine. 3,802,358, 4-9-74, Cl. 112-25.000.
Anfruns, Luis Sentis. Method for linking circular knitted garment sections. 3,827,380, 8-6-74, Cl. 112-25.000.
Ang, Choh-Yi; Bailey, Robert F.; and Ogren, John R., to TRW Inc. High stability thin film alloy resistors. 3,833,410, 9-3-74, Cl. 117-227.000.
Ang, Leoncio T.: *See—*
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Angarola, Barry R.; and Crittenden, David E., to Signode Corporation. Strap tensioning tool. 3,844,317, 10-29-74, Cl. 140-93.200.
Angelari, Richard D.: *See—*
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Angelbeck, Albert W.; and Wisner, George R., to United Aircraft Corporation. Parallel optical stage laser systems. 3,825,845, 7-23-74, Cl. 330-4.300.
Angelbeck, Albert W., to United Aircraft Corporation. Measurement of phase profile across a high power laser beam. 3,857,636, 12-31-74, Cl. 356-106.00r.
Angelbeck, Albert W.; and Longtin, Donald J., to United Aircraft Corporation. Vibration isolation in a gas laser. 3,858,122, 12-31-74, Cl. 331-94.50r.
Angeles Metal Trim Co.: *See—*
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Angelis, John G.: *See—*
Kussy, Frank W.; Swain, Kenneth W.; and Angelis, John G., 3,840,835.
Angelis, William J.; Berger, Robert E.; and Conkey, Robert E., to Goodyear Tire & Rubber Company, The. Combined piston-return mechanism. 3,811,366, 5-21-74, Cl. 92-130.000.
Angell, James P.: *See—*
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Angell Manufacturing Company: *See—*
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Angell, Robert H.; and Frielich, Robert S. Collet-chamber retarding system for weapons. 3,793,922, 2-26-74, Cl. 89-180.000.
Angelle, Philippe; and Naudot, Jean-Claude, to Societe d'Etudes, Recherches et Constructions Electroniques (S.E.R.C.E.L.) Compression of the dynamics of numerical signals. 3,835,456, 9-10-74, Cl. 340-172.500.
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Angelo, Raymond William; Balan, Albert Lawrence; and Huettner, David Joseph, to International Business Machines Corporation. Soldering method. 3,791,027, 2-12-74, Cl. 29-495.000.
Angelo, Stanley J. Electric light-to-candle light converter. 3,855,464, 12-17-74, Cl. 240-53.000.
Angeloni, Paul. Highway distress system. 3,828,306, 8-6-74, Cl. 340-32.000.
Angelos, Arthur C. Apparatus for detecting spin of golf ball in indoor golf playing system. 3,837,655, 9-24-74, Cl. 273-185.00r.
Angelovich, Stephen J., to Mallory, P. R., & Co., Inc. Closure seal for electrochemical cells. 3,791,873, 2-12-74, Cl. 136-133.000.
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Angelucci, Louis J., Jr., to Philco-Ford Corporation. Cathode ray tube manufacture. 3,837,885, 9-24-74, Cl. 117-33.5cm.
Angenenot, Jacob Anton, to Hoesch Aktiengesellschaft. Method of and apparatus for strapping and labeling of objects. 3,783,575, 1-8-74, Cl. 53-3.000.
Angerman, Albert Henry; and Moore, Carl Gordon, to Du Pont de Nemours, E. I., and Company. Production of anatase TiO_2 by the chloride process. 3,856,929, 12-24-74, Cl. 423-613.000
Angermann, Manfred E., to Racine Duo-Guard, Inc. Combination casket and vault. 3,844,003, 10-29-74, Cl. 27-35.000.
Angermeier, William R.; and Wofford, Benjamin Gary, to Industrial Design Inc. Method for packing and handling material. 3,849,967, 11-26-74, Cl. 53-35.000.
Anghinetti, Joseph R.; and Couture, Paul A., to Wasco Products, Inc. Roof covering. 3,792,556, 2-19-74, Cl. 52-1.000.
Angibaud, Rene M., to Societe Les Piles Wonder. Mounting apparatus for portable device. 3,843,083, 10-22-74, Cl. 248-229.000
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Angle, De Lorius M. Carpet sample book binder. 3,822,099, 7-2-74, Cl. 402-47.000.
Angle, Milton A.; Blair, Gerald E.; and Maier, Clarence C., to Eastman Kodak Company. Method for molding glass lenses. 3,833,347, 9-3-74, Cl. 65-32.000.
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Anglemyer, Alfred A.: *See—*
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Anglin, Noah L.; and Machamer, Roy J., to Office Communications, Inc. Single element printer having a closed loop digital electronic control. 3,837,457, 9-24-74, Cl. 197-18.000.

Anglo American Corporation of South Africa Limited: *See*—
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Anglo-Transvaal Consolidated Investment Company: *See*—
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Angner, Ronald Joseph; Feiner, Alexander; and Olsen, Merle Victor, to Bell Telephone Laboratories, Incorporated. Remanent reed relay. 3,793,601, 2-19-74, Cl. 335-153.000.

Angquist, Torsten F., to Cooper Industries, Inc. Plier type toggle wrench. 3,854,354, 12-17-74, Cl. 81-377.000.

Angst, Walter, to Meteor AG. Wire coiling apparatus. 3,804,347, 4-16-74, Cl. 242-7.090.

Angstadt, Howard P., to Sun Oil Company. Method for the oxidation of hydrocarbons. 3,836,589, 9-17-74, Cl 260-610.00b.

Angstadt, Howard P. Process for vapor phase ammoxidation. 3,845,094, 10-29-74, Cl. 260-465.00c.

Angstadt, Howard P., to Sun Ventures, Inc. Separation of 2,6-dimethylnaphthalene by complexation. 3,855,314, 12-17-74, Cl. 260-674.00n.

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Angstadt, John W.; Enberg, Kenneth R.; Kleindinst, Edgar L.; Ring, Richard J.; and Spence, David B., to Blaw-Knox Food and Chemical Equipment. Process and apparatus for continuously roasting bean-like materials. 3,841,826, 10-15-74, Cl. 432-2.000.

Anguillo, Robert A.; and Thau, Paul, to Warner-Lambert Company. Unitary shampoo and cream rinse compositions. 3,816,616, 6-11-74, Cl. 424-70.000.

Angus, David R. Credit card risk evaluation systems. 3,820,071, 6-25-74, Cl. 340-149.00a.

Angus, George & Company, Limited: *See*—
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Anhalt, John W.; and Goodman, David S., to International Telephone and Telegraph Corporation. Backplane manufacture. 3,797,107, 3-19-74, Cl. 29-625.000.

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Anikanov, Nikolai Ivanovich: *See*—
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Anikanov, Nikolai Ivanovich; Grachev, Leonid Pavlovich; Zax, Grigory Iosifovich; Radutsky, Grigory Avramovich; and Kheifets, Rafail Efimovich. Conveyor for forwarding either batches or piles of newspapers. 3,847,272, 11-12-74, Cl. 198-177.00r.

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Anja Engineering Corporation: *See*—
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Anjac Plastics, Inc.: *See*—
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Ankney, Robert W.; deceased (by Ankney, Margaret G.; executrix), to Weatherchem Corporation. Pill dispenser. 3,807,551, 4-30-74, Cl. 206-42.000.

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Ankrom, Albert M.: *See*—
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Ankudowicz, Waclaw: *See*—
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Anlegg & Maskin A/S: *See*—
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Anley, Donald Maynard, to Rolls-Royce (1971) Limited. Reheat system for a gas turbine engine. 3,786,632, 1-22-74, Cl. 60-39.74r.

Ann Arbor Terminals, Inc.: *See*—
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Anna Welding Corporation: *See*—
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Annal, James M., to Fahralloy Company, The. Hangers for porcelain enamelling furnaces. 3,789,995, 2-5-74, Cl. 211-113.000.

Annand, Charles A. Waterproofing receiver. 3,793,795, 2-26-74, Cl. 52-61.000.

Annand, Robert R.: *See*—
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Annas, Robert F.; and Hinsberger, Vincent, to Paramount Health Equipment Corporation. Isotonic exercising apparatus having selective friction restraint. 3,843,118, 10-22-74, Cl. 272-58.000.

Anne Company, Ltd.: *See*—
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Annen, Phillip A.: *See*—
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Anner, Georg; and Kalvoda, Jaroslav, to Ciba-Geigy Corporation. Process for the manufacture of new steroid epoxides of the 19-nor-pregnene series. 3,798,214, 3-19-74, Cl. 260-239.55r.

Anner, Georg; and Kalvoda, Jaroslav, to Ciba-Geigy Corporation. Oestrogenically highly active steroids and a process for their manufacture. 3,804,866, 4-16-74, Cl. 260-397.500.

Anner, Georg; and Wieland, Peter, to Ciba-Geigy Corporation. Process for the manufacture of steroid tropones. 3,810,916, 5-14-74, Cl. 260-340.900.

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Annessa, Domenico M. Universal shoulder rest for violins and violas of all sizes. 3,827,329, 8-6-74, Cl. 84-280.000.

Annett, Leland W.; and Wallin, George J., to Minnesota Mining and Manufacturing Company. Photographic transparency support with rotatable sound track carrier. 3,822,092, 7-2-74, Cl. 353-120.000.

Annettoni, Ezio, to Chemetron Corporation, mesne. Dual action microswitch actuator. 3,829,644, 8-13-74, Cl. 200-153.00t.

Annino, Raymond; and McCrea, Peter F., to Foxboro Company, The. Chromatographic techniques providing variable-selectivity stationary phase. 3,822,203, 7-2-74, Cl. 210-31.00c.

Annis, Alexander David: *See*—
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Annulis, Francis T.: *See*—
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Annus, Imre; Cser, Gyula; Florian, Sandor; Horvath, Gyorgy; and Kocsis, Ferenc, 70% to Intezet, Autoipari Kutato and 30% to Autogyar, Csepel. Turbocharged internal combustion engine with nesonaire induction pipe systems. 3,796,048, 3-12-74, Cl. 60-598.000.

Anodo, Teisuke: *See*—
Tokushige, Kenichi; Segawa, Toru; Uda, Kiminori; Tada, Hideho; Anodo, Teisuke; Yamamoto, Hiroya; and Hashimoto, Noburo, 3,804,684.

Anonima Castelli S.A.S.: *See*—
Piretti, Giancarlo, 3,856,147.

Anonima Castelli S.A.S. di Cesare Castelli & C.: *See*—
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Anosova, Anastasia Mikhailovna: *See*—
Tsyganov, Vladimir Alexeevich; Namestnikova, Valentina Pavlovna; Antonova, Valentina Vasilievna; Iofina, Esfir Iliinichna; Malkov, Mark Abovich; Nyn, Vladimir Semenovich; Kuznetsova, Olga Alexandrovna; Malinovskaya, Galina Nikolaevna; Poluparneva, Galina Ptrovna; Anosova, Anastasia Mikhailovna; Pudakova, Tamara Kirillovna; Judina, Raisa Ivanovna; Yakovleva, Elena Pavlovna; and Morozov, Vladimir Mikhailovich, 3,802,998.

Anouchi, Abraham Y. Time-interval rate meter for time measuring devices and method for checking time pieces. 3,811,314, 5-21-74, Cl. 73-6.000.

Anritsu Electric Co., Ltd.: *See*—
Hanzawa, Keiji; Takahashi, Yoshiyuki; Suga, Noboyoshi; Kato, Tojo; Handa, Makoto; Hayashi, Hiromichi; Taneya, Shinichi; Sone, Toshia; Taneya, Shinichi; and Sone, Toshimaro, 3,841,610.
Kurosawa, Koichi; and Okubo, Ko, 3,813,483.
Saito, Takao; Kataoka, Toshimitsu; and Yamawaki, Siro, 3,804,408.
Takabayashi, Hitoshi, 3,796,494.

Anritsu Electric Company Ltd.: *See*—
Tabiichi, Yukio; Yamazaki, Yuichi; and Sato, Yoshiharu, 3,794,770.

Ansari, Amir H. Intrauterine device and means for inserting and removing the same. 3,805,777, 4-23-74, Cl. 128-130.000.

Anschutz, Otto. Method and arrangement for jointing the ends of thermoplastic profiles by heat-welding. 3,855,038, 12-17-74, Cl. 156-499.000.

Ansell, James Joseph; and Payne, Kenneth Gordon, to Rolls-Royce (Composit Materials) Limited. Method of assembling honeycomb structures. 3,837,962, 9-24-74, Cl. 156-293.000.

Anselment, Wolfgang; and Holl, Walter, to Bosch, Robert, G.m.b.H. Electrical insulating member such as a distributor cap. 3,838,207, 9-24-74, Cl. 174-138.00f.

Anselmino, Giovanni; and Ravizza, Emanuele, to Fiat Societa per Azioni. Mounting for a speed detector. 3,787,807, 1-22-74, Cl. 340-62.000.

Anselmino, Giovanni, to Fiat Societa per Azioni. Mounting system for rear wheel angular speed detectors for motor motor vehicles. 3,826,933, 7-30-74, Cl. 310-168.000.

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Anselmo, Robert A.; Oppenheimer, Michael H.; and Genesi, Robert C., to Sprague Electric Company. Intergrated circuit with Hall cell. 3,816,766, 6-11-74, Cl. 307-278.000.

Anselmo, Robert A.; and Gontowski, Walter S., Jr., to Sprague Electric Company. Noise immune I.C. memory cell. 3,818,462, 6-18-74, Cl. 340-173.0ff.

Ansgariusson, Rolf. Sectional concrete road curbs for use as borders for instance between roadways and sidewalks. 3,822,954, 7-9-74, Cl. 404-7.000.

Ansite, William K.; and Mitchell, John J., Jr., to Sierra Engineering Company Division of Cap Tech, Inc. Integrated helmut and mask structure. 3,833,935, 9-10-74, Cl. 2-6.000.

Anspach, William E., Jr.; and Bakels, Marinus. Apparatus for providing clean air at a surgical area. 3,820,536, 6-28-74, Cl. 128-132.000.

Anspach, William E., Jr. Holder for X-ray cassettes. 3,829,699, 8-13-74, Cl. 250-475.000.

Ansul Company, The: *See*—
Kaiser, Donald W.; and May, Kenneth J., 3,795,690.

Antal, John J.; and Becker, Robert L., to United States of America, Army. Recording of fast neutron images. 3,787,698, 1-22-74, Cl. 250-473.000.

Antal, Michael J.: *See*—
Peiser, Alfred M.; Antal, Michael J.; and Weiss, Gustave J., 3,850,743.

Antargaz Societe Anonyme de Distribution de Gaz Liquides de Petrole: *See*—
Lepage, Louis, 3,847,536.

Antekna, Inc.: *See*—
Pine, Buddie J.; and Carter, John R., 3,819,878.

Antes, Gregor, to Jodon Engineering Associates AG. Objective-pinhole unit for coherent light. 3,847,469, 11-12-74, Cl. 350-247.000.

Antes, Jack E.: *See*—
Foster, Jack B.; and Antes, Jack E., 3,857,188.

Anthamatten, Joseph L. Coaster brake system for a multi-speed bicycle. 3,785,219, 1-15-74, Cl. 74-217.00b.

Anthes, John A.; and Vlnaty, Joseph, to Dravo Corporation. Process for direct reduction of iron oxide compacts. 3,782,920, 1-1-74, Cl. 75-37.000.

Anthony, Albert M; and Anthony, Richard J. Convergence assembly for color television picture tubes. 3,818,395, 6-18-74, Cl. 335-210.000.

Anthony, Andrew James: *See*—
Jones, Thomas Alan; and Anthony, Andrew James, 3,857,599.

Anthony, Andrew James, to Combustion Engineering, Inc. Fuel assembly flow redistribution. 3,787,286, 1-22-74, Cl. 176-78.000.

Anthony, Andrew James; Hutchinson, John Jefferson; and Klumb, Ralph Howard, to Combustion Engineering, Inc. Fuel assembly hold-up device. 3,853,703, 12-10-74, Cl. 176-87.000.

Anthony, Anne-Marie; Dembinski, Krzysztof; and Dupont, Lucien, to Agence Nationale de Valorisation de la Recherche (ANVAR). Heating element. 3,792,233, 2-12-74, Cl. 219-5.530.

Anthony, Anne-Marie, nee Barbier; Dembinski, Krzysztof; Faucher, Michele, nee Dupre; and Dupont, Lucien, to Agence Nationale de Valorisation de la Recherche (Anvar). Preheating method for furnaces. 3,786,165, 1-15-74, Cl. 13-34.000.

Anthony, David Michael: *See*—
Howe, John Arthur; and Anthony, David Michael, 3,798,588.

Anthony, Gene H.: *See*—
Jamison, Sauders E.; and Anthony, Gene H., 3,836,615.

Anthony Industries, Inc.: *See*—
Sable, Chester A., 3,801,992.

Anthony, John D., Jr.; Faulhaber, Mark E.; and Smith, Edmund H., Jr., to Du Pont de Nemours, E. I., and Company. Optical-electrical web inspection system. 3,843,890, 10-22-74, Cl. 250-563.000.

Anthony, John W., to General Electric Company. Electric lamp having phosphor coating and heat deflector. 3,783,322, 1-1-74, Cl. 313-42.000.

Anthony, Luther Clary. Lumber planer and crook eliminator. 3,785,416, 1-15-74, Cl. 144-116.000.

Anthony Manufacturing Corporation: *See*—
Bumpstead, John, 3,782,638.

Anthony, Michael: *See*—
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Anthony, Norman Howell: *See*—
Crossley, Ian Alexander; Kirk, Geoffrey Eric; Anthony, Norman Howell; and Bamber, Derek Robert, 3,843,279.

Anthony, Philip L., to Rockwell International Corporation. Mutual inductance coupling probe for testing the integrity of through-hole plating in printed circuit boards. 3,840,802, 10-8-74, Cl. 324-37.000.

Anthony, Richard J.: *See*—
Anthony, Albert M; and Anthony, Richard J., 3,818,395.

Anthony, Robert C.; and Byland, Donald W., to Union Brass and Metal Manufacturing Company. Rotary slide valve. 3,831,621, 8-27-74, Cl. 137-270.000.

Anthony, Roger B.: *See*—
Brebik, Stephen J.; and Anthony, Roger B., 3,813,637.

Anthony, William B.: *See*—
Wingard, Michael G.; Werkmeister, Dennis W.; Thies, Curt; and Anthony, William B., 3,830,734.

Anthony, William Edward. Lap pin and method of making same. 3,807,649, 4-30-74, Cl. 242-55.100.

Anthony, William H.; and Popplewell, James M., to Olin Corporation. Erosion-corrosion resistant aluminum radiator clad tubing. 3,809,155, 5-7-74, Cl. 165-133.000.

Antipov, Georgy Afanasievich: *See*—
Gelfand, Mikhail Lvovich; Isipenjuk, Yakov Isaakovich; Podlesnykh, Petr Ivanovich; Sergeichik, Vladimir Adamovich; Rutgaizer, Mikhail Isaakovich; and Antipov, Georgy Afanasievich, 3,804,180.

Antipov, Igor; and Melzer, Paul Albin, to International Business Machines Corporation. Process for forming a pedestal base transistor. 3,826,698, 7-30-74, Cl. 148-191.000.

Antlfinger, George J.; and Von Kamp, Harold E., to Goodrich, B. F., Company, The. Compositions containing a reactive hydroxyl-containing vinyl chloride polymer and an liquid polyepoxide. 3,826,669, 7-30-74, Cl. 106-287.00r.

Antoine, Jacques; and Vayssiere, Pierre, to Institut de Recherches de la Siderurgie Francaise. Method of continuously smelting a solid material rich in iron metal in an electric arc furnace. 3,857,697, 12-31-74, Cl. 75-11.000.

Antoine, Robert Alexandre: *See*—
Nordmann, Joseph; Mattioda, Georges Dominique; Antoine, Robert Alexandre; and Loiseau, Gerard Paul Marie Henri, 3,830,929.

Antolelic Industries, Ltd.: *See*—
Purchase, F. Jack, 3,812,486.

Anton, Joe. Air surface gauge stand. 3,833,195, 9-3-74, Cl. 248-125.000.

Anton, Per; and Hyden Hans Olof, to AB Centralrug. Device for selectively discharging refuse material for separate recovery of fibrous material. 3,826,366, 7-30-74, Cl. 209-74.000.

Anton, William J. E.; Collins, John E.; and Lind, Peter A., to Minnesota Mining and Manufacturing Company. Control circuit having load and power source isolation. 3,800,185, 3-26-74, Cl. 315-153.000.

Antonelli, Peter; and Seager, Roy Herbert, to Tullamore S.A. Method of evaporating heat sensitive liquids. 3,796,808, 3-12-74, Cl. 426-492.000.

Antonen, Robert C., to Dow Corning Corporation. Fast cure organopolysiloxane resins. 3,844,992, 10-29-74, Cl. 260-18.00s.

Antonenko, Grigory Semenovich; Badamian, Avetik Artashesovich; Margulis, Grigory Borisovich; Moroz, Ilya Alexandrovich; and Shitsman, Mikhail Borisovich. Device for corrugation of strips. 3,835,689, 9-17-74, Cl. 72-385.000.

Antonetti, Joseph Michael: *See*—
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Antonevich, John N., to Blackstone Corporation. Methods of assembling joints. 3,793,704, 2-26-74, Cl. 29-470.100.

Antonevich, John N., to Blackstone Corporation. Electromechanical oscillator. 3,813,616, 5-28-74, Cl. 331-116.00r.

Antonevich, John N.; and Goodfriend, Roger, to Blackstone Corporation. Method and apparatus for disintegration of urinary calculi. 3,830,240, 8-20-74, Cl. 128-328.000.

Antonevich, John V., to Blackstone Corporation. Output monitored electromechanical devices. 3,830,098, 8-20-74, Cl. 73-67.200.

Antoni, Wilhelm: *See*—
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Antonides, Harold J., to Armour Pharmaceutical Company. Orally administratable pancreatic enzymes and methods of using same. 3,803,304, 4-9-74, Cl. 424-94.000.

Antonik, Julius, to Rossler, Heinz. One-piece coupling unit for model railroads. 3,831,776, 8-27-74, Cl. 213-75.0tc.

Antonini, Albert; Putters, Robert; and Wetroff, Georges, to Societe Rhone-Progil. Fluorination process. 3,787,489, 1-22-74, Cl. 260-544.00f.

Antonini, Athos: *See*—
Lamartina, Alfonso; Cicognani, Enrico; Caldarella, Riccardo; and Antonini, Athos, 3,819,869.

Antoniou, Anthony A., to Anvan Industries, Inc. Building structure. 3,822,519, 7-9-74, Cl. 52-79.000.

Antoniou, Anthony A., to Anvan Industries, Inc. Column connector system. 3,824,750, 7-23-74, Cl. 52-79.000.

Antoniw, Walter W.: *See*—
Karcher, Thomas D.; and Antoniw, Walter W., 3,856,336.

Antonov, Bogomil Totev, to DSO 'Izot'. Device for local electric-spark layering of metals and alloys by means of rotating electrode. 3,832,514, 8-27-74, Cl. 219-76.000.

Antonov, Dimitar Simov: *See*—
Shindarov, Lubomir Mihaylov; Galabov, Angel Simenov; and Antonov, Dimitar Simov, 3,846,491.

Antonov, Victor Nikitich: *See*—
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Antonova, Valentina Vasilievna: *See*—
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Antos, Mildred Mary. Method of making loom-work articles. 3,805,345, 4-23-74, Cl. 28-72.00r.

Antoshkiw, William T., to Becton Dickinson and Company. Disposable guide wire. 3,789,841, 2-5-74, Cl. 128-2.050.

Antrim, Warren W.: *See*—
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Antus, Sandor: *See*—
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Antypas, George A.; Rosztoczy, Ferenc E.; Stein, William W.; and Von Szeremy, Sigmund, to Varian Associates. Preparation of GaP-Si heterojunction by liquid phase epitaxy. 3,810,794, 5-14-74, Cl. 148-172.000.

Anusauckas, Anthony V.: *See*—
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Anzai, Akio: *See*—
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Anzai, Masao; and Miyatake, Masayuki, to Toppan Printing Co. Ltd. and Toyo Ink Manufacturing Co., Ltd. Sublimation transfer dyeing with 4,8-dihydroxy-1-arylamino-anthraquinones. 3,829,286, 8-13-74, Cl. 8-2.500.

Anzai, Yoshiharu: *See*—
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Ao, Hideki: *See*—
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Ao, Takeo, to Osaka Yogyo Kabushiki Kaisha. Method for manufacturing a catalyst and its carrier having a vacant center or a dense center. 3,798,176, 3-19-74, Cl. 252-437.000.

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Aoba, Toshio: *See*—
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Aoi, Takahisa: *See*—
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Aoki, Eiichiro, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument provided with devices for indicating preset state of respective voices. 3,842,183, 10-15-74, Cl. 84-1.120.

Aoki, Eiji: *See*—
Fukuta, Kenji; Nagatsuka, Yoshihiro; Tsuburaya, Shigeo; Miyashita, Rihei; Sekiguti, Juniti; Aoki, Eiji; and Sasahara, Motoe, 3,834,424.

Aoki, Hisashi: *See*—
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Aoki, Ichizo, and Kitsukawa, Yoshitsugi, to Chizoda Chemical Engineering & Construction Co. Absorption-multicomponent cascade refrigeration for multi-level cooling of gas mixtures. 3,817,046, 6-18-74, Cl. 62-40.000.

Aoki, Katashi. Injection blow-molding apparatus. 3,784,348, 1-8-74, Cl. 425-324.00b.

Aoki, Katashi. Hydraulic type mold clamping device. 3,786,725, 1-22-74, Cl. 91-411.00a.

Aoki, Katashi. Device for keeping metal mold halves in a clamped state. 3,801,257, 4-2-74, Cl. 425-450.000.

Aoki, Katashi. Device for keeping metal mold in a clamped state. 3,803,842, 416-74, Cl. 60-416.000.

Aoki, Katashi. Rotary type injection molding machine. 3,806,296, 4-23-74, Cl. 425-246.000.

Aoki, Katashi. Multicolor injection molding machine. 3,807,920, 4-30-74, Cl. 425-134.000.

Aoki, Katashi. Injection molding apparatus with horizontally reciprocal molds and vertically acting clamping means. 3,830,613, 8-20-74, Cl. 425-246.000.

Aoki, Katashi. Reciprocating injection molding apparatus and mold clamping means. 3,833,330, 9-3-74, Cl. 425-247.000.

Aoki, Katashi. Rotary type injection molding machine. 3,856,454, 12-24-74, Cl. 425-451.000.

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Aoki, Kazuharu; and Kamaishi, Tadamasa, to Toray Industries, Inc. Method for producing synthetic paper. 3,808,091, 4-30-74, Cl. 162-157.00r.

Aoki, Kazuyoshi: *See*—
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Aoki, Masaharu; Odajima, Hiromichi; Segawa, Michi; Ueda, Ken; Fukase, Yasushi; Terajima, Yasuhiko; Yumoto, Hidekazu; and Mizobe, Takahiko, to Fuji Xerox Co., Ltd. Heat fusion-bonding apparatus for electrophotography. 3,818,185, 6-18-74, Cl. 219-552.000.

Aoki, Masahiro: *See*—
Nakanishi, Toru; Matsui, Junichi; Yonehara, Setsuji; Aoki, Masahiro; Ishiguro, Kiyonori; Satake, Tatsuo; and Azuma, Shingi, 3,797,666.

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Aoki, Masaru: *See*—
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Aoki, Masatsugu, to Alps Electric Co. Ltd. Rotary driven variable resistor. 3,815,076, 6-4-74, Cl. 338-180.000.

Aoki, Masayoshi: *See*—
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Aoki, Teiji. Audio-visual cartridge and player. 3,844,643, 10-29-74, Cl. 352-78.00r.

Aoki, Toshio: *See*—
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Aoki, Yukio; Yoshida, Susumu; Kato, Shoichi; Inada, Satoshi; and Ishida, Shuichi, to Nippon Kayaku Kabushiki Kaisha. Acaricides. 3,857,954, 12-31-74, Cl. 424-337.000.

Aoko, Seiji, Kamiyana, Akira; and Yoshida, Tsugio, to Taiyo Shokai Co., Ltd. Method of and apparatus for automatically controlling transfer of film strips. 3,816,210, 6-11-74, Cl. 156-290.000.

Aono, Masazumi; and Uehara, Goro, to Fuji Photo Film Co., Ltd. Process for preparing a plastic film. 3,805,402, 4-23-74, Cl. 34-23.000.

Aono, Shigeo: *See*—
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Aonuma, Tatsuo; Tsukada, Naoshi; and Kiuchi, Michio, to Kikkoman Shoyu Co., Ltd. Device for conveying and feeding granular materials. 3,806,199, 4-23-74, Cl. 302-49.000.

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Aoshima, Yasuo. *See*—
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Aoyagi, Kimio, to Mitsubishi Petrochemical Company Limited and Mikado Manufacturing Co., Ltd. Mulching film. 3,805,446, 4-23-74, Cl. 47-9.000.

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Archer, David H.; and Brecher, Lee E., to Westinghouse Electric Corporation. Apparatus and method for desulfurizing and completely gasifying coal. 3,804,606, 4-16-74, Cl. 48-206.000.

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Arens, Cornelis G. Strip material coiling machine. 3,832,876, 9-3-74, Cl. 72-12.000.
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Duke, Dennis; Swain, Michael James; and Cracknell, Alan, 3,856,350.
Arenson, Edwin M., to Black Sivalls & Bryson, Inc. Method of vaporizing and combining a liquefied cryogenic fluid stream with a gas stream. 3,788,825, 1-29-74, Cl. 48-190.000.
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Arff, Heino, to Danfoss A/S. Thermal actuator. 3,834,165, 9-10-74, Cl. 60-531.000.
Arff, Uwe F.; and Edwards, Gordon J., to Outboard Marine Corporation. Saw chain lubrication means. 3,840,991, 10-15-74, Cl. 30-383.000.
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Argabright, Perry A.; Phillips, Brian L.; and Echelberger, Larry M., to Marathon Oil Company. Reacting hydroxyl-terminated isocyanurate salts with diisocyanates. 3,817,937, 6-18-74, Cl. 260-77.5nc.

Argabright, Perry A.; Phillips, Brian L.; and Echelberger, Larry M., to Marathon Oil Company. Polyurethane polymers based on isocyanurate salts. 3,840,496, 10-8-74, Cl. 260-77.5nc.
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Argabright, Perry A.; Presley, C. Travis; and Davis, John A., to Marathon Oil Company. Treatment of porous surfaces of articles of manufacture. 3,852,100, 12-3-74, Cl. 117-123.00c.
Arganbright, Robert P., to Petro-Tex Chemical Corporation. Dismutation of olefins. 3,792,108, 2-12-74, Cl. 260-683.00d.
Arganbright, Robert P., to Petro-Tex Chemical Corporation. Process for the isomerization of olefins. 3,839,486, 10-1-74, Cl. 260-683.200.
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Argento, Benny J.; and Rick, Edward A., to Union Carbide Corporation. Alkylation catalyst and process of alkylating benzene. 3,819,735, 6-25-74, Cl. 260-671.00p.
Argereu, William. Sound deadening means for use on a bar feeding and a bar working machine. 3,828,630, 8-13-74, Cl. 82-2.500.
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Arick, Robert E.; and Vogel, Ralph A., to Essex International, Inc. Apparatus and method for forming wave winding for dynamoelectric machine. 3,791,419, 2-12-74, Cl. 140-92.100.
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Aries, Graham John. Stirrer devices for culinary purposes. 3,783,770, 1-8-74, Cl. 99-348.000.
Aries, Robert; Dechaumet, Armand; and Dupre, Paul, to Dynachem (societe a responsibilite limitee). Device for securing a vaporizable active substance to an animal collar. 3,814,061, 6-4-74, Cl. 119-106.000.
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Arikawa, Masayasu; Ohi, Atsushi; Arai, Toshio; Iochi, Akihiko; and Kada, Hironosuke, to Kobe Steel, Ltd. Welding process and apparatus. 3,832,522, 8-27-74, Cl. 219-137.000.
Arikawa, Masayasu; Oishi, Minoru; Watanabe, Hidenori; Horiuchi, Shou; and Hatano, Katsuaki, to Kobe Steel, Ltd. Automatic, circumferentially traveling mechanism for use in automatic circumferential welding or cutting device. 3,840,170, 10-8-74, Cl. 228-29.00.
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Arild, Arnulf; Creed, John; Folkestad, Olav; Odegard, Erik; Brandtzaeg, Anton; and Selberg, Arne Brigt Bru., to Norconsult A.S. Submerged tunnel bridge. 3,849,821, 11-26-74, Cl. 14-27.000.
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Arima, Kei; Kawamura, Takeshi; Tamura, Gakuzo; and Beppu, Teruhiko, to Asahi Kasei Kogyo Kabushiki Kaisha. Antibiotic S 15-1 and process for producing the same. 3,814,795, 6-4-74, Cl. 424-116.000.
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Arimoto, Fred S.; and Ford, Luke D., to Du Pont de Nemours, E. I., and Company. Purification of 2,4-dihydroxybenzophenone. 3,830,845, 80-20-74, Cl. 260-591.000.
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Arimura, Ichiro; Goto, Hiroshi; Matsushima, Hiroshi; and Nakao, Yoshikazu, to Matsushita Electric Industrial Co., Ltd. Power supply system. 3,818,366, 6-18-74, Cl. 330-207.00p.
Arimura, Ichiro; Higashida, Yutaka; and Kurashina, Kozo, to Matsushita Electric Industrial Co., Ltd. Magnetic tape transfer device. 3,849,794, 11-19-74, Cl. 360-17.000.
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Arino, Hirofumi; Kramer, Henry H.; McGovern, James J.; and Thornton, Alfred K., to Union Carbide Corporation. Production of high purity fission product molybdenum-99. 3,799,883, 3-26-74, Cl. 252-301.10r.
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Ariyan, Zaven S., to Uniroyal, Inc. Inhibiting aggressive behavior with 1,2,3-benzo triazin-4(3H)-one. 3,794,726, 2-26-74, Cl. 424-249.000.
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Ariyoshi, Yasuo; Koguchi, Yohko; and Sato, Naotake, to Ajinomoto Co., Inc. Method of purifying α-L-aspartyl-L-phenylalanine methyl ester. 3,798,207, 3-19-74, Cl. 260-112.500.
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Arledter, Hanns F. Twin wire papermaking machine with guide bodies placed below the suspension level between the converging wires. 3,802,965, 4-9-74, Cl. 162-301.000.
Arledter, Hanns F. Twin wire paper making machine with vibrators connected to suction and liquid delivery boxes located beneath the converging wires. 3,810,817, 5-14-74, Cl. 162-301.000.
Arledter, Hanns F. Twin-wire paper making machine with suction boxes within the loop of one wire and blast boxes within the other. 3,810,818, 5-14-74, Cl. 162-301.000.
Arledter, Hanns F. Twin wire paper making method in which controlled dewatering in tapering gap causes suspension to move at speed of wires. 3,847,731, 11-12-74, Cl. 162-203.000.
Arlen, Myron, to Hydr-Med. Sciences, Inc. Drug release system. 3,796,217, 3-12-74, Cl. 128-260.000.
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Armand, Harold A., to Texas Instruments, Incorporated. Pressure measuring apparatus and method. 3,788,144, 1-29-74, Cl. 73-411.000.
Armand, Harold A., to Texas Instruments, Incorporated. Deflection angle measuring apparatus and method. 3,833,808, 9-3-74, Cl. 250-236.000.
Armao, Thomas A. Method of preventing cryoadhesion of cryosurgical instruments and cryosurgical instruments. 3,786,814, 1-22-74, Cl. 128-303.100.
Armasow, Waldemar, to Voith Getriebe KG. Apparatus for controlling the speed of a transmission with balancing means for a fluid regulator valve. 3,818,782, 6-25-74, Cl. 74-720.500.
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Armbruster, Frederick C.; Heady, Robert E.; and Cory, Robert P., to CPC International Inc. Production of xylose (dextrose) isomerase enzyme preparations. 3,813,318, 5-28-74, Cl. 195-31.00f.
Armbruster, Frederick C.; and Kooi, Earl R., to CPC International Inc. Low D.E. starch conversion products. 3,849,194, 11-19-74, Cl. 127-29.000.
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Armenti, Nicholas P. Device for the oral administration of medicine. 3,831,603, 8-27-74, Cl. 128-222.000.
Armento, William H., to GAF Corporation. Alkylbenzoateazohydroxynaphtharylide dyestuffs. 3,845,032, 10-29-74, Cl. 260-204.000.
Armento, William H., to GAF Corporation. Substituted sulfrophenylazo-anilide compounds. 3,847,895, 11-12-74, Cl. 260-187.000.
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Armistead, William H.; Elmer, Thomas H.; and Lichtenstein, Ivan E., to Corning Glass Works. Process for depositing noble metal catalysts on oxide carriers. 3,842,017, 10-15-74, Cl. 252-474.000.
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Armstrong, Alvin E., and Slater, Kenneth R., to Texas Instruments Incorporated. Correlation sonar. 3,848,225, 11-12-74, Cl. 340-3.00r.
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Armstrong, E. Lee. Game apparatus. 3,844,568, 10-29-74, Cl. 273-135.00r.

Armstrong, Edward, to Conch International Methane Limited. Method and apparatus for assembling suspended panel ceiling. 3,802,149, 4-9-74, Cl. 52-742.000.

Armstrong, Edward T. Apparatus for the process of treating liquids with a gas. 3,805,481, 4-23-74, Cl. 55-93.000.

Armstrong, Edward T. Waste water treatment system. 3,853,764, 12-10-74, Cl. 210-195.000.

Armstrong, Edwin B., Jr., to Alamance Industries, Inc. Transfer printing machine. 3,848,435, 11-19-74, Cl. 68-5.00d.

Armstrong, Fern E. Yarn caddy. 3,827,654, 8-6-74, Cl. 242-146.000.

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Armstrong, Henry P., to Truth Incorporated. Window hinge. 3,797,169, 3-19-74, Cl. 49-248.000.

Armstrong, Henry P., to Truth Incorporated. Roller assembly. 3,826,044, 7-30-74, Cl. 49-420.000.

Armstrong, Homer T., to LTV Aerospace Corporation. Braking device. 3,782,505, 1-1-74, Cl. 188-1.00c.

Armstrong, Jack W., to Lipe Rollway Corporation. Impingement cooling means for friction clutch or disc brake. 3,805,935, 4-23-74, Cl. 192-113.00a.

Armstrong, James B.; Schott, Dan J.; and Warne, Leland C., to Sperry Rand Corporation. Planar raised cathode alpha-numeric gas discharge indicator. 3,806,752, 4-23-74, Cl. 313-109.500.

Armstrong, James Eubank, to Gulf Offshore Company. Offshore well rig. 3,802,137, 4-9-74, Cl. 52-118.000.

Armstrong, James J., to Texas Instruments Incorporated. Control for automotive choke. 3,806,854, 4-23-74, Cl. 337-104.000.

Armstrong, John C.; and Lyman, George F., to Armstrong-Kropp Development Corporation. Breath-actuated aerosol dispenser. 3,789,843, 2-5-74, Cl. 128-173.000.

Armstrong, John E., to GTE Sylvania Incorporated. Intrusion detection and location system. 3,831,162, 8-20-74, Cl. 340-261.000.

Armstrong, John Hugh Gerald. Containers for banknotes and the like. 3,854,655, 12-17-74, Cl. 232-4.00r.

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Armstrong, Richard James, to Decalock Limited. Door latch. 3,785,686, 1-15-74, Cl. 292-336.300.

Armstrong, Richard James, to Decalock Limited. Latch bolt and keep assembly. 3,825,289, 7-23-74, Cl. 292-2.000.

Armstrong, Robert G. Apparatus for inductively heating tubular metal workpieces. 3,829,650, 8-13-74, Cl. 219-10.690.

Armstrong, Robert G.; and Nebesar, George C., to Park-Ohio Industries, Inc. Apparatus for inductively heating and quench hardening surfaces on a crankshaft. 3,854,707, 12-17-74, Cl. 266-4.00e.

Armstrong, Thaddeus J.; Styczen, John A.; and Klasek, Ladislav J., to Continental Can Company, Inc. Apparatus and method for processing and testing manufactured articles. 3,827,284, 8-6-74, Cl. 73-45.100.

Armstrong, Thomas R., to Honeywell Information Systems, Inc. Automated real time equalized modem. 3,795,865, 3-5-74, Cl. 325-42.000.

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Armstrong, William Eddie, to Motorola, Inc. Method of making a semi planar insulated gate field-effect transistor device with implanted field. 3,853,633, 12-10-74, Cl. 148-1.500.

Armstrong, William H., to Waterbury Pressed Metal Company, The. Pick-proof lock. 3,787,812, 1-22-74, Cl. 340-164.00r.

Armstrong, William H., to Montgomery Ward & Co. Rotary mower. 3,805,498, 4-23-74, Cl. 56-17.500.

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Arndt, John H., Jr.; and Ebert, Wayne A., to Chevron Research Company. Crude oil processing. 3,798,153, 3-19-74, Cl. 208-48.0aa.

Arndt, John P., to Gould Inc. Pulsed droplet ejecting system. 3,832,579, 8-27-74, Cl. 310-8.100.

Arndt, Otto; Semler, Gunther; and Schaeffer, Georg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of aromatic isocyanates using oxyethylate catalysts. 3,835,172, 9-10-74, Cl. 260-453.0ph.

Arndt, Peter Joseph; Blitz, Hans-Dieter; Huebner, Klaus; Krall, Wilhelm; Kurth, Hans-Joachim; Mueller, Manfred; and Pennewiss, Horst, to Rohm GmbH. Method for preparing resins in powder or granular form from aqueous polymer latices. 3,828,012, 8-6-74, Cl. 60-80.730.

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Arndt, Robert C., to United States of America, Army. PDM-TDM switching matrix. 3,784,751, 1-8-74, Cl. 179-15.00a.

Arndt, Robert H., to Ralston Purina Company. Preparation of a simulated milk product. 3,843,828, 10-22-74, Cl. 426-360.000.

Arndt, Walter R., to United States of America. Passive ranging interferometer system. 3,842,419, 10-15-74, Cl. 343-112.00d.

Arndt, Werner. Knitted edging for a fabric or garment. 3,812,692, 5-28-74, Cl. 66-172.00r.

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Arnegard, Bo Olof Roland; Emanuelsson, Kaj Bengt Ingemar; and Kristoffer, Hans, to Atlas Copco Aktiebolag. Rotary piston machines. 3,799,712, 3-26-74, Cl. 418-191.000.

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Arneson, Edwin L., to Federal Paper Board Company, Inc. Bottle carrier. 3,827,550, 8-6-74, Cl. 206-181.000.

Arneson, Edwin L., to Federal Paper Board Company, Inc. Collapsible container. 3,827,623, 8-6-74, Cl. 229-39.00r.

Arneson, Harold E. G. Vibration attenuation coupling structure. 3,800,555, 4-2-74, Cl. 64-1.00v.

Arneson, Howard M., to Arneson Products, Inc. Pool cleaning device. 3,817,382, 6-18-74, Cl. 210-169.000.

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Arnett, Lawrence E.; and Wiggins, Earl M., to Ford Motor Company. Inlet insert. 3,845,877, 11-5-74, Cl. 220-86.00r.

Arnett, Patrick C.; Heller, Lawrence G.; and Stapper, Charles H., Jr., to International Business Machines Corporation. Single-phase charge-coupled semiconductor device. 3,796,933, 3-12-74, Cl. 317-235.00r.

Arnett, Patrick C.; and Chang, Joseph J., to International Business Machines Corporation. Non-volatile diode cross point memory array. 3,838,405, 9-24-74, Cl. 340-173.00r.

Arning, Klaus H.; and Rumpf, Robert J., to Ford Motor Company. Motor vehicle chassis subassembly. 3,856,323, 12-24-74, Cl. 280-96.20r.

Arno, David Michael; and Mohr, John Gilbert, to Johns-Manville Corporation. Traversing mechanism. 3,784,121, 1-8-74, Cl. 242-43.000.

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Arnold, Alison M.; Hapke, Donald W.; and Traeger, Frank J., Jr., to Boeing Company, The. Asymmetric augmentation of wing flaps. 3,841,588, 10-15-74, Cl. 244-42.0cc.

Arnold, Anthony Francis, to RCA Corporation. Method of electrolessly plating a metal on a body which includes lead. 3,856,565, 12-24-74, Cl. 117-212.000.

Arnold, Anthony Francis, to RCA Corporation. Method of electroless metal deposition. 3,857,733, 12-31-74, Cl. 117-212.000.

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Arnold, Benjamin Harry; Fildes, Robert Anthony; and Gilbert, David Arthur, to Glaxo Laboratories Limited. Cephalosporin derivatives. 3,821,209, 6-28-74, Cl. 260-243.00c.

Arnold, Bruce C., to Twin Disc Incorporated. Clutches with a fluid and cam operated pressure modulating valve. 3,823,801, 7-16-74, Cl. 192-87.190.

Arnold, Bruce E., to Singer Company, The. Repair mode for pocket setter machines. 3,804,040, 4-16-74, Cl. 112-121.150.

Arnold, Bruce K.; and Keith, John T., to International Telephone and Telegraph Corporation. Electrical connector shield. 3,835,443, 9-10-74, Cl. 339-90.00r.

Arnold, Carroll H., to Wain-Roy Company, Inc. Materials handling. 3,854,608, 12-17-74, Cl. 214-145.000.

Arnold, Carter H. Traction type hoist. 3,791,626, 2-12-74, Cl 254-150.00r.

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Arnold, Dan M.; and Pitts, Robert W., Jr., to Texaco Inc. Radiological well logging methods and apparatus for reducing the effect of activation from the detector crystal. 3,842,264, 10-15-74, Cl. 250-264.000.

Arnold, Dan McCay, to Texaco Inc. Well logging system and method. 3,801,816, 4-2-74, Cl. 250-270.000.

Arnold, Don C.: *See—*
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Arnold, Don C., to Granda Corporation. Diverter valve for liquids. 3,827,458, 8-6-74, Cl. 137-610.000.

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Arnold, Edward H.; and McLaughlin, Donald L., to MOS Technology, Inc. Keyboard entry system with N-key rollover and N-key lockout protection. 3,792,466, 2-12-74, Cl. 340-365.00e.

Arnold Engineering Company, The: *See—*
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Arnold, Franz. Mechanical clamping device. 3,807,721, 4-30-74, Cl. 269-228.000.

Arnold, Franz. Machine vise. 3,844,549, 10-29-74, Cl. 269-247.000.

Arnold, Fred E.; Hedberg, Frederick L.; and Kovar, Robert F., to United States of America, Air Force, mesne. Thermally stable quinoxaline polymers and method of synthesis. 3,792,017, 2-12-74, Cl. 260-47.00r.

Arnold, George B.: *See—*
Knowles, Edwin C.; McCoy, Frederick C.; and Arnold, George B., 3,840,465.

Arnold, Gunther; and Vollmer, Hans-Peter, to Licentia Patent-Verwaltungs-G.m.b.H. Method for making a radiation sensitive recording material containing a spiropyran compound, a HX-donor, a binder, and ethyl acetate as solvent. 3,854,951, 12-17-74, Cl. 96-9.0pc.

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Foy, Charles L.; and Arnold, Harmon W., 3,787,922.
Platt, Thomas W.; and Arnold, Harmon W., 3,829,048.

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Arnold, Howard K.: *See—*
Neidorf, Samuel W.; and Arnold, Howard K., 3,788,343.

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Arnold, James T., to Varian Associates. Membrane, gas separator with means for removing water vapor. 3,811,319, 5-21-74, Cl. 73-23.000.

Arnold, Joe F.: *See—*

Dye, John A.; and Arnold, Joe F., 3,854,800.
Arnold, John A.: *See*—
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Arnold, John L.; and Pearce, Roscoe L., to Dow Chemical Company, The. Glycol-butyrolactone mixtures. 3,857,686, 12-31-74, Cl. 55-29.000.
Arnold, John Spencer; Beck, George Morland; Boom, Roger John; Cosserat, David Cockburn; Hodges, Kenneth James Hamer; Sandeman, Theodor Duncan; Williams, Roger Morley; and O'Halloran, Michael, to Plessey Handel und Investments AG. Multiprocessor data procesing system. 3,787,818, 1-22-74, Cl. 340-172.500.
Arnold, Kenneth R.; and Frischmuth, Robert W., Jr., to Shell Oil Company. Process for the isolation and recovery of polymers. 3,804,145, 4-16-74, Cl. 159-48.00r.
Arnold, Lionel C.: *See*—
Talty, Robert D.; and Arnold, Lionel C., 3,799,823.
Arnold, Orlan M.; and Vancini, Carlo A., to Peabody Engineering Corporation. Liquid-solids separator. 3,784,017, 1-8-74, Cl. 210-354.000.
Arnold, Orlan M.; and Hardy, Alfred W., to Peabody Engineering Corporation. Plastic lined spray nozzle. 3,785,572, 1-15-74, Cl. 239-518.000.
Arnold, Orlan M.; and Vancini, Carlo A., to Peabody Engineering Corporation. Gas cleaning apparatus. 3,788,045, 1-29-74, Cl. 55-238.000.
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Arnold, Orlan M.; and Vancini, Carlo A., to Peabody Engineering Corporation. Mixing apparatus. 3,799,508, 3-26-74, Cl. 259-4.000.
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Arnold, Richard B.: *See*—
Smith, Dallas F.; and Arnold, Richard B., 3,831,255.
Arnold, Richard B., to General Electric Company. Method and apparatus for developing electrical coils. 3,797,105, 3-19-74, Cl. 29-596.000.
Arnold, Richard B.; and Koenig, Fredrick, to General Electric Company. Apparatus for inserting winding turns. 3,818,571, 6-25-73, Cl. 29-205.00r.
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Arnold, Robert J.: *See*—
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Arnold, Robert J., to Universal Oil Products Company. Thiazolethiolusulfonates. 3,786,063, 1-15-74, Cl. 260-306.500.
Arnold, Robert J. Method and apparatus for sharpening skates. 3,839,828, 10-8-74, Cl. 51-100.00r.
Arnold, Steven, to Arnold Associates, Inc. Modular building structure elements of slabs with central support posts. 3,788,012, 1-29-74, Cl. 52-73.000.
Arnold, Thomas B.; Byrnes, Eugene B.; and Castoe, Alonzo R., to Atlantic Richfield Company. Oil and gas treatment. 3,784,466, 1-8-74, Cl. 208-361.000.
Arnold, Thomas J.: *See*—
Dressler, Thomas C.; and Arnold, Thomas J., 3,831,833.
Arnold, William A.; and Miller, Roger E. Residential alarm system. 3,810,163, 5-7-74, Cl. 340-310.00r.
Arnold, Winfred A. Root and soil separating and windrowing apparatus. 3,821,988, 7-2-74, Cl. 171-133.000.
Arnold, Winfried; and Locher, Johannes, to Bosch, Robert, GmbH. Remotely controlled electrohydraulic system with fail-safe features. 3,831,495, 8-27-74, Cl. 91-459.000.
Arnon, Ruth: *See*—
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Arnow, Sidney. Tunable spiral dipole antenna. 3,858,220, 12-31-74, Cl. 343-802.000.
Arnsteiner, Anton. Ski-tip. 3,806,142, 4-23-74, Cl. 280-11.130.
Arnsteiner, Anton. Plastic material ski structure. 3,814,452, 6-4-74, Cl. 280-11.131.
Arntson, Eric, to Tennant Company. Etching primer for concrete floor surfaces containing sulfuric acid. 3,822,142, 7-2-74, Cl. 117-54.000.
Arntz, Hans-Joachim: *See*—
Ziemek, Gerhard; Beck, August; Gwnia, Ewald; Schatz, Friedrich; and Arntz, Hans-Joachim, 3,791,416.
Aro Corporation, The: *See*—
German, Dale F.; and Clark, Allen L., 3,788,598.
Hanning, John R., 3,824,046.
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ARO Plastics Development Limited: *See*—
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Konshin, Anatoly Sergeevich; Zenkin, Viktor Borisovich; Zatsepin, Vyacheslav Serafimovich; Arofikin, Vladislav Nikolaevich; and Trifonov, Oleg Nikolaevich, 3,804,563.
Aron, Edward A.; and Griffith, Louis E., to Graphic Systems, Inc. Type composing apparatus having novel character width derivation structure. 3,785,258, 1-15-74, Cl. 95-4.500.
Aron, Erwin, to Technical Processing, Inc. Novel processing aids for natural and synthetic rubber compounds. 3,787,341, 1-22-74, Cl. 260-23.70m.
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Aronberg, Lester, to Lake Chemical Company. Fluxes for use in bonding plates of storage batteries to connecting straps. 3,837,932, 9-24-74, Cl. 148-23.000.
Aronelle Textiles, Limited: *See*—
Girard, Andre, 3,785,582.
Aronetics, Inc.: *See*—
Gardenier, Hugh E., 3,842,904.
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Aronoff, Elihu J.; and McLaughlin, Ernest O. Method of painting polyolefin substrate. 3,809,569, 5-7-74, Cl. 117-93.310.
Aronoff, Elihu J.; and Dhami, Kewal Singh, to International Telephone and Telegraph Corporation. Esters of phenylidan used as plasticizers and crosslinking agents. 3,839,261, 10-1-74, Cl. 260-31.80f.
Aronoff, Elihu J.; and Dhami, Kewal S., to International Telephone and Telegraph Corporation. Polymeric compositions. 3,840,619, 10-8-74, Cl. 260-878.00r.
Aronov, Anatoly Izrailevich: *See*—
Fedjukin, Dmitry Lvovich; Sergeeva, Ljudmila Semenovna; Bakharev, Andrei Nikolaevich, Gorlina, Inna Leonidovna; Aronov, Anatoly Izrailevich; Kravets, Arkady Timofeevich; Korochkin, Petr Evmenovich; and Titov, Alexei Ivanovich, 3,846,611.
Aronova, Nina Ivanovna; Makhova, Nina Nikolaevna; Zavyalov, Sergei Ivanovich; Volkenshtein, Jury Borisovich; and Kunitskaya, Galina Mikhailovna. Method of producing zeta-aminolevulinic acid hydrochloride. 3,846,490, 11-5-74, Cl. 260-534.00r.
Arons, Gilbert N.: *See*—
McQuade, Allan J.; and Arons, Gilbert N., 3,850,785.
Aronson, David, to Compump Systems, Inc. Floatless control of liquid level, especially useful in atomizing systems. 3,824,040, 7-16-74, Cl. 417-204.000.
Aronson, Michael. Label dispenser. 3,793,123, 2-19-74, Cl. 156-584.000.
Aronson, Theodore F., to Kristel, Ira B. Type slugs clamp in a printing plate cylinder. 3,824,932, 7-23-74, Cl. 101-377.000.
Aronson, Theodore F. Means and methods for measuring and dispensing equal amounts of powdered material. 3,847,191, 11-12-74, Cl. 141-12.000.
Aronson, Theodore F. High speed sheet feeding apparatus. 3,851,871, 12-3-74, Cl. 271-11.000.
Aronstein, Jesse; Harding, William E.; and Zeiss, Philip M., to International Business Machines Corporation. Manufacturing control system for processing workpieces. 3,845,286, 10-29-74, Cl. 235-151.100.
Aronstein, Jesse; Leoff, Arkady; Murphy, John J.; and Ruder, Winfield S., to International Business Machines Corporation. Apparatus for transferring articles through various processing sectors of a manufacturing system. 3,850,105, 11-26-74, Cl. 104-1.00r.
Arora, Vinod K.: *See*—
Gregerson, David A.; and Arora, Vinod K., 3,809,510.
Arosio, Enrico: *See*—
Inzoli, Giovanni; and Arosio, Enrico, 3,854,648.
Arosio, Giovanni. Heat insulated container for pots. 3,818,180, 6-18-74, Cl. 219-386.000.
Arotin, Robert Louis: *See*—
Cross, Barrington; and Arotin, Robert Louis, 3,852,332.

Arouete, Jean. Electric lock for emergency exit door. 3,837,192, 9-24-74, Cl. 70-92.000.
Arova Schaffhausen AG: *See*—
Villiger, Felix; and Gerber, Albert, 3,811,480.
Aroyo, Jacky Sivcho: *See*—
Julev, Stoyan Iliev; Milkov, Mihail Yordanov; Dachev, Lyubomir Petrov; Vasilev, Rosen Petrov; Kostov, Vasil Alexandrov; and Aroyo, Jacky Sivcho, 3,829,344.
Arp, Ewald A., 1/3 interest each to Larson, Arnold W. G. and Moody, Sheldon D. Apparatus for crushing containers and dispensing tokens. 3,792,765, 2-19-74, Cl. 194-4.00c.
Arp, Ewald A., 1/3 to Larson, Arnold W. G. and 1/3 to Moody, Sheldon D. Dual supply tape dispensing machine. 3,797,697, 3-19-74, Cl. 221-13.000.
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ARP Instruments, Inc.: *See*—
Colin, Dennis P., 3,805,091.
Colin, Dennis P., 3,828,110.
Pearlman, Alan R.; and Colin, Dennis P., 3,784,935.
Arp, Leon J.: *See*—
Arp, Leon J.; and Varnum, James M. (said Varnum assor. to said), 3,788,313.
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Arpajian, Vasken F.: *See*—
Hutchinson, Herman R.; Arpajian, Vasken F.; and Malcomson, Robert S., 3,784,657.
Arpajian, Vasken Frank, to Pennwalt Corporation. Cold runner injection mold for thermosetting resins. 3,819,312, 6-25-74, Cl. 425-242.00r.
Arpe, Hans-Jurgen: *See*—
Hey, Hansjorg; and Arpe, Hans-Jurgen, 3,845,118.
Arpe, Hans-Jurgen; and Leupold, Ernst Ingo, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the production of mixtures consisting of benzyl cyanide and B phenylethylamine. 3,835,178, 9-10-74, Cl. 260-465.00r.
Arpin, Lee James, to Bell Telephone Laboratories, Incorporated. Video sync separator. 3,809,808, 5-7-74, Cl. 178-7.30s.
Arpino, Ronald G., to Sperry Rand Corporation. Illumination light blending makeup mirrors and electrical control circuit. 3,794,828, 2-26-74, Cl. 240-4.200.
Arpino, Ronald G., to Sperry Rand Corporation. D.C. motor and power supply therefor. 3,794,893, 2-26-74, Cl. 318-138.000.
Arpino, Ronald G., to Sperry Rand Corporation. Shaver cutter head. 3,827,144, 8-6-74, Cl. 30-43.920.
Arps Corporation: *See*—
Schmahl, Calvin O., 3,782,480
Arps, Hilbert. Casting mold apparatus. 3,788,591, 1-29-74, Cl. 249-187.000.
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Schrading, Mark S.; and Arps, Marion T., 3,783,862.
Arps, Ronald Barthold, to International Business Machines Corporation. System for compression of digital data. 3,813,485, 5-28-74, Cl. 178-6.800.
Arras, Juho, to Telefonaktiebolaget L M Ericsson. Method for detecting faults in regenerators in a PCM-system. 3,842,220, 10-15-74, Cl. 179-175.31r.
Arrighetti, Sergio: *See*—
Cesca, Sebastiano; Arrighetti, Sergio; Roggero, Arnaldo; and Ghetti, Giuseppe, 3,803,092.
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Arrigo, Anthony L., to Baxter Laboratories, Inc. Method of forming spinal needle. 3,788,119, 1-29-74, Cl. 72-324.000.
Arrigo, Michael F.: *See*—
Asbelle, Charles C.; Arrigo, Michael F.; and Porter, Gerald K., 3,823,208.
Arrigoni, Virgilio; Gaetani, Bruno; Marchesi, Gianfranco; and Zanoni, Gianfranco, to Snam Progetti S.p.A. Automatic device for controlling catalytic mufflers. 3,837,165, 9-24-74, Cl. 60-277.000.
Arrington, Thomas Lonnie: *See*—
Dyer, Norman D.; Walker, Ross Weldon; and Arrington, Thomas Lonnie, 3,839,871.
Arrington, William Lee; and Merz, Lee Irving, to GTE Sylvania Incorporated. Pushbutton tuning system. 3,792,387, 2-12-74, Cl. 334-7.000.
Arrington, William Lee; Funston, David Lee; Lefevre, Paul Eshelman; and Merz, Lee Irving. Remote manual switching system. 3,806,843, 4-23-74, Cl. 334-8.000.
Arrogante, Ricardo Ros, to Industrials Del Hogar, S.A. Heating appliances. 3,827,775, 8-6-74, Cl. 312-245.000.
Arrol, William John, to Joseph Lucas (Industries) Limited. Method of manufacturing silicon nitride products. 3,839,540, 10-1-74, Cl. 423-344.000.
Arrow Development Co., Inc.: *See*—
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Arrowsmith, Robert J. Coating process for polyester substrates. 3,793,425, 2-19-74, Cl. 264-210.00f.
Arroyo, Luis Saenz, to Product Adex, S.A. Shuttoff valve device. 3,837,381, 9-24-74, Cl. 141-350.000.
Arroyo, Mario Saenz, to Articulos Medicos Mexicanos, S.A. Sphygmomanometer. 3,855,999, 12-24-74, Cl. 128-2.05g.
Arsem, Collins, and Algor, Marshall M., to United States of America, Army. Transistor oscillator-detector for proximity fuzes. 3,836,963, 9-17-74, Cl. 343-7.0pf.
Arseneau, Roger E., to Arkorp, Inc. Electronic coin changer control circuit. 3,815,717, 6-11-74, Cl. 194-1.00n.
Arseneault, Paul J., to International Business Machines Corporation. Wide rotor for stable support of tape along path of transducer carried by rotor. 3,840,894, 10-8-74, Cl. 360-84.000.
Arstikaitis, Arunas A.: *See*—
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Arsura, Emilio; Baruffini, Agostino, Giald, Franco; Pellegrini, Giovanni; Ponci, Riccardo, and Scrivani, Pietro, to Montedison S.p.A. N-alkyl-N-sec.butylbenzamides. 3,835,189, 9-10-74, Cl. 260-558.00r.
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Artar, Orhan G.; and Ross, Charles W., to Armour and Company. Smokehouse rack. 3,788,209, 1-29-74, Cl. 99-349.000.
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Smith, Robert W.; Ordway, Fred; Taylor, Charles A.; and Zimmerman, William, III, 3,786,777.

Artek Systems Corporation: *See—*
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Artex Hobby Products, Inc.: *See—*
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Arth, Glen E.; and Rasmusson, Gary H., to Merck & Co., Inc. 19-Nor-7 alpha-methyl or 19-nor-20-spirox-4,14-dien-3-one and 18-methyl derivatives thereof. 3,787,394, 1-22-74, Cl. 260-239.55r.

Arth, Glen E., to Merck & Co., Inc. 7α-Methyl-20-spiroxane-3-ones and process. 3,798,213, 3-19-74, Cl. 260-239.55r.

Arth, Glen E.; Sarett, Lewis H.; and Patchett, Arthur A., to Merck & Co., Inc. Chemical compositions. 3,821,374, 6-28-74, Cl. 424-238.000.

Artho, Antoine; Muriset, Pascal; and Henzelin, Bernard, to Burrus, F. J., & Cie. Method of filling cigarette filters and device for carrying out the method. 3,844,541, 10-29-74, Cl. 259-4.000.

Arthur, Allen, Co., Inc.: *See—*
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Arthur, Eric Richard; and Clemesha, Oliver Robert. Dressform. 3,838,800, 10-1-74, Cl. 223-68.000.

Arthur, George; and Brown, Derek James, to International Research & Development Company Limited. Cutting tools. 3,835,734, 9-17-74, Cl. 76-101.00a.

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Arthur, Jett C., Jr.; and Bains, Malkiat S., to United States of America, Agriculture. Methy cellulose-boron alkoxide compounds. 3,790,562, 2-5-74, Cl. 260-231.00r.

Arthur, Jett C., Jr.; and Bains, Malkiat S., to United States of America, Agriculture. Carbohydrate-boron alkoxide compounds. 3,821,196, 6-28-74, Cl. 260-212.000.

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Artin, Robert Lee; and Petroske, Robert Paul, to Oster, John, Manufacturing Co. Hair clipper having blade illumination and field wire strain relief. 3,800,172, 3-26-74, Cl. 310-50.000.

Artisan Industries, Inc.: *See—*
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Artistic Woodwork Co., Ltd.: *See—*
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Artmann, Paul. Building construction and process for producing structural elements for such construction. 3,803,788, 4-16-74, Cl. 52-417.000.

Artmer, Gero. Corkscrew. 3,815,448, 6-11-74, Cl. 81-3.200.

Artner, Marcus M.; and McGee, Paul D., to Motorola, Inc. Tape player device having door actuated cartridge eject mechanism. 3,803,368, 4-9-74, Cl. 179-100.110.

Artner, Marcus M.; and McGee, Paul D., to Motorola, Inc. Cartridge tape player door mounting assembly. 3,832,025, 8-27-74, Cl. 312-297.000.

Artos Dr.-Ing. Meier-Windhorst Kommanditgesellschaft: *See—*
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Artos-Gesellschaft fur industrielle Forschung und Entwinklung C.A. Meier-Windhorst: *See—*
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Arts, Gerardus Wilhelmus Maria, to U.S. Philips Corporation. Nightlight. 3,801,814, 4-2-74, Cl. 240-73.0qd.

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Arvai, Tibor. Pushbutton switch assembly for keyboards including a bridging conductive, elastomeric diaphragm type contact. 3,818,153, 6-18-74, Cl. 200-5.00a.

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Asada, Chiaki; and Watanabe, Toshiyuki, to Daido Seiko Kabushiki Kaisha. Manganese-nickel-aluminum-copper-molybdenum system age-hardenable steel for plastic molds. 3,824,096, 7-16-74, Cl. 75-124.000.

Asada, Chiaki; and Watanabe, Toshiyuki, to Daido Seiko Kabushiki Kaisha. Cold workable and age-hardenable steel. 3,856,514, 12-24-74, Cl. 75-124.000.

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Asahara, Yoshiyuki; and Izumitani, Tetsuro, to Hoya Glass Works, Ltd. Use of Cu-As-Se glass to transmit long wavelength radiation. 3,841,739, 10-15-74, Cl. 350-320.000.

Asahi Denka Kogyo K.K.: *See—*
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Askey, Arthur; and Murphy, John Michael, to Explosives and Chemical Products Limited. Consolidation of rock strata. 3,797,254, 3-19-74, Cl. 61-45.00b.

Askey, Arthur; and Murphy, John Michael, to Explosives and Chemical Products, Limited. Fixing elements. 3,805,533, 4-23-74, Cl. 61-45.00b.

Askin, Haluk O., to International Business Machines Corporation. Regeneration of dynamic monolithic memories. 3,806,898, 4-23-74, Cl. 340-173.0dr.

Askinazy, Leo. Baby carriage reciprocator. 3,820,614, 6-28-74, Cl. 180-1.00e.

Aslan, Edward E., to Narda Microwave Corporation, The. Probe for radiation detector. 3,789,299, 1-29-74, Cl. 324-95.000.

Aslan, Edward E., to Narda Microwave Corporation, The. Radiation detector employing resistors connected thermocouple elements. 3,794,914, 2-26-74, Cl. 324-95.000.

Aslin, Harlan Keith, to Physics International Company. Pulse generator. 3,845,322, 10-29-74, Cl. 307-108.000.

Aslund, Nils Robert Dahr; Pettersson, Sven-Olof; and Angelstrand, Sten Borje, to Saab-Scania Aktiebolag. Signal-compensating system for measuring machines, in which photographic plates are examined by a photo-electric method. 3,809,482, 5-7-74, Cl. 356-205000.

Aslund, Nils Robert Dahr, to Saab-Scania Aktiebolag. Device to introduce an optic measuring index at photoelectric detection of photographic plates. 3,829,222, 8-13-74, Cl. 356-203.000.

Asmus, Carl, Jr., to Clayton Manufacturing Company. Automatic load control system for hydraulic rotary power absorbers. 3,818,754, 6-25-74, Cl. 73-134.000.

Asnis, Arkady Efimovich; Gretsky, Yury Yakovelevich; and Metlitsky, Vladislav Alexandrovich. Flux-cored electrode. 3,838,246, 9-24-74, Cl. 219-146.000.

Asoiants, Grigory Bagradovich: *See—*
Paton, Boris Evgenievich; Pryanishnikov, Igor Stepanovich; Movchan, Boris Alexeevich; Tikhonovsky, Alexei Lavrentievich; Krivosheykov, Jury Mikhailovich; Ljubarets, Leonid Fedorovich; Timashov, Viktor Alexandrovich; Asoiants, Grigory Bagradovich; Sapko, Alxandr Ivanovich; Topilin, Valentin Vasilievich; Kosyrev, Lev Konstantinovich; Tjulkin, Andrei Alexeevich; Nakhabin, Vyacheslav Vasilievich; Kultygin, Vasily Semenovich; Sergeev, Georgy Nikolaevich; Kucherenko, Pavel Petrovich; Gostry, Petr Dmitrievich; Barnov, Anotaly Alexeevich; and Zaika, Oleg Nikolaevich, 3,821,979.

Asou, Michiko, to Canon Kabushiki Kaisha. Color resolving optical system for a color television camera. 3,798,354, 3-19-74, Cl. 178-5.40e.

Asoyants, Grigory Bagradovich: *See—*
Dudko, Danill Andreevich; Sur, Mikhail Danilovich; and Asoyants, Grigory Bagradovich, 3,832,098.

Asp, Gerald H. Sale support for use with ski bindings. 3,837,664, 9-24-74, Cl. 280-11.35c.

Asp, Ivar Alvar; and Sundberg, Alf Herder. Adjustable catch for windows, doors, shutters and the like. 3,807,780, 4-30-74, Cl. 292-265.000.

Aspanger Kaolin- und Steinwerke Aktiengesellschaft: *See—*
Eder, Theodor, 3,813,851.

Aspin, Frank Metcalf, to Shell Oil Company. Treatment of films of plastic material. 3,820,933, 6-28-74, Cl. 425-367.000.

Aspinall, Arnold: *See—*
Pickard, Keith; Aspinall, Arnold; and Dodsworth, David William, 3,808,521.

Aspinall, Arnold; Spruce, David Gordon; and Lynam, John Thomas, to National Research Development Corporation. Earth polarization meter with voltage control during current injection. 3,810,000, 5-7-74, Cl. 324-1.000.

Aspinwall, Peter, to Comstock & Wescott, Inc. Precision book cutting apparatus. 3,822,626, 7-9-74, Cl. 83-404.400.

Aspinwall, Peter, to Comstock & Wescott, Inc. Reversibly mountable book cutter. 3,828,409, 8-13-74, Cl. 29-105.00a.

Aspinwall, Peter, to Comstock & Wescott, Inc. Moving gate for hopper discharging flat articles of irregular thickness. 3,834,582, 9-10-74, Cl. 221-248.000.

Aspinwall, Robert H., to General Motors Corporation. Cooled airfoil. 3,806,275, 4-23-74, Cl. 416-97.000.

Aspinwall, Robert H., to General Motors Corporation. Cooled turbine blade. 3,806,276, 4-23-74, Cl. 416-97.000.

Aspinwall, Ronald A.; and Graham, MacKellar K., to Sperry Rand Corporation. Power transmission. 3,814,251, 6-4-74, Cl. 210-90.000.

Asplund, Ivar, to Aktiebolaget Electrolux. Device for signalling need for cleaning or replacing suction cleaner dust bag. 3,853,086, 12-10-74, Cl. 116-114.0ad.

Aspro Inc.: *See—*
Killian, Robert J.; and Sproul, Nolte V., 3,852,863.

Aspro-Nicholas Limited: *See—*
Barker, Sidney Alan; Kennedy, John Frederick; and Epton, John, 3,794,563.
Barker, Sidney Alan; Kennedy, John Frederick; and Epton, John, 3,822,236.
Chapman, Norman Bellamy; Clarke, Kenneth; and James, John William (said James assor. to), 3,855,242.
Gittos, Maurice Ward; James, John William; and Verge, John Pomfret, 3,830,816.
Penton, Ross Langlands, 3,806,596.
Rodway, Ronald Ernest; and Simmonds, Robin George, 3,803,146.
Wiggins, Leslie Frederick; James, John William; and Gittos, Maurice Ward, 3,857,844.

Assael, Marcel. Device for fixing a covering sheet inside a dihedron formed by two perpendicular surfaces. 3,783,931, 1-8-74, Cl. 160-327.000.

Assael, Marcel. Device for fixing sheets to surface. 3,848,380, 11-19-74, Cl. 52-222.000.

Asselborn, Peter; Cramer, Werner; Gladbach, Bergisch; and Mullejans, Heinrich, to Felten & Guilleaume Kabelwerke Aktiengesellschaft. Tube corrugating apparatus. 3,785,189, 1-15-74, Cl. 72-78.000.

Asselborn, Peter; Cramer, Werner; and Schmitz, Guenter, to Felten & Guilleaume Kabelwerke Aktiengesellschaft. Apparatus for withdrawing strand-like material in longitudinal direction. 3,819,073, 6-25-74, Cl. 214-338.000.

Asselborn, Peter; Haase, Gerhard; and Menne, Guenther, to Felten & Guilleaume Kablewerke Aktiengesellschaft. Mobile integrated cable system for communication and energy-distribution purposes. 3,843,909, 10-22-74, Cl. 317-99.000.

Asselborn, Peter; Cramer, Werner; and Mullejans, Heinrich, to Felten & Guilleaume Kabelwerke Aktiengesellschaft. Making of longitudinally welded metal tubes. 3,846,610, 11-5-74, Cl. 219-61.000.

Asselin, Andre A.: *See—*
Demerson, Christopher A.; Humber, Leslie G.; Asselin, Andre A.; Jirkovsky, Ivo; and Dobson, Thomas A., 3,852,285.

Asselin, Jean C.: *See—*
Genest, Adrien P.; and Asselin, Jean C., 3,802,579.

Asselman, George Albert Apolonia, to U.S. Philips Corporation. Method of closing off a heat pipe. 3,797,086, 3-19-74, Cl. 29-157.30r.

Asselman, George Albert Apolonia; and Dirne, Adrianus Petrus, to U.S. Philips Corporation. Heat transfer device. 3,811,496, 5-21-74, Cl. 165-105.000.

Asselman, George Albert Apolonia; and Van der Aa, Herman Henricus Maria, to U.S. Philips Corporation. Heating system. 3,817,322, 6-18-74, Cl. 165-105.000.

Asselman, George Albert Apolonia; and Castelijns, Adrianus Petrus Johannes, to U.S. Philips Corporation. Hot-gas engine and method of manufacturing same. 3,851,471, 12-3-74, Cl. 60-517.000.

Asselman, George Albert Apolonia; and Castelijns, Adrianus Petrus Johannes, to U.S. Philips Corporation. Hot-gas reciprocating engine. 3,854,290, 12-17-74, Cl. 60-524.000.

Asseo, Sabi J.; and Whitbeck, Richard F., to Calspan Corporation. Method and apparatus for load stabilization in heavy lift helicopters. 3,838,836, 10-1-74, Cl. 244-137.00r.

Assmus, Friedrich: *See—*
Flaig, Hans; Wolber, Robert; Hettich, Otto; Assmus, Friedrich; and King, Josef, 3,797,013.

Assmus, Friedrich; and Ganter, Wolfgang, to Messrs. Gebruder Junghans G.m.b.H. Crystal vibrator as a time keeping vibrator for a timepiece. 3,805,509, 4-23-74, Cl. 58-23.00v.

Assmus, Friedrich; Flaig, Hans; Dietrich, Dieter; and Hartner, Leo. Electric signaling device for alarm clocks. 3,820,105, 6-25-74, Cl. 340-309.400.

Assmus, Friedrich, to Gebruder Junghans G.m.b.H., Firma. Circuit for controlling sound generator for alarm clocks. 3,854,104, 12-10-74, Cl. 331-108.00a.

Assmus, Friedrich, to Gebruder Junghans G.m.b.H., Firma. Attachment for the hands of a watch. 3,855,787, 12-24-74, Cl. 58-126.00d.

Associated Biomedic Systems, Inc.: *See—*
Unnah, Kenneth Vincent, 3,786,325.

Associated Development Corporation: *See—*
Hodges, Lee R., 3,838,542.

Associated Electrical Industries Limited: *See—*
Banner, Aubrey Edward, 3,803,410.
Friedlander, Eirch Siegfried; and Thanawala, Hemesh Laxmidas, 3,842,342.
Friedlander, Erich Siegfried, 3,792,288.
Green, Brian Noel, 3,814,936.
Merren, Thomas Oliver, 3,796,872.
Wallington, Michael J., 3,849,656.
Watson, John Merza, 3,783,280.

Associated Engineering Limited: *See—*
Atkins, Francis J.; and Waterson, Keith, 3,842,819.
Atkins, Francis James, 3,844,635.
Bemrose, Colin R.; and Davenport, Christopher J., 3,840,423.
Bemrose, Colin Raymond; Hall, William Arthur; and Williams, Eirug Ellis, 3,813,752.
Buxton, Alan, 3,788,961.
Cowell, Timothy Anton Turton; and Brown, Dennis Cockburn, 3,842,818.
Hunt, Norman, 3,828,818.

Associated International Corporation: *See—*
LaMoreux, Clarence E., 3,808,695.

Associated Portland Cement Manufacturers Limited, The: *See—*
Murray, Ransom James, 3,844,808.
Murray, Ransome James, 3,785,842.

Associated Pulp and Paper Mills Limited: *See—*
Morgan, John Edward, 3,849,536.

Associated Smelters, Inc.: *See—*
Spendlove, Wrethel; and Burr, Lynn Evan, 3,808,117.

Associated Weavers Limited: *See—*
Wilford, Ernest, 3,841,566.

Association d'Recherche et d'Entraide Cardiologiques et Angeiologiques: *See—*
Fontaine, Guy Hugues; and Ribot, Alain, 3,845,773.

Association for Pharmacologic Research, Inc.: *See—*
Innerfield, Irving, 3,853,710.

Assouline, Georges: *See—*
Spitz, Erich; Leiba, Eugene; and Assouline, Georges, 3,798,452.

Assouline, Georges; Leiba, Eugene; and Spitz, Erich, to Thomson-CSF. Image converter. 3,803,408, 4-9-74, Cl. 250-213.00r.

Assouline, Georges; Hareng, Michel; and Leiba, Eugene, to Thomson-CSF. Liquid crystal image converter system responsive to ionizing radiation. 3,829,684, 8-13-74, Cl. 250-213.00r.

Assow, Bengt Holger; Jansson, Curt Evert; and Rolleberg, Kjell Ove. Converter for producing a stabilized output direct-current voltage from an input direct-current voltage. 3,789,288, 1-29-74, Cl. 321-2.000.

Assucci, Maria Antoniette: *See—*
Alberti, Giulio; and Assucci, Maria Antoniette, 3,851,040.

Ast, Herbert H.; and Bradley, Wilson, Jr., said Ast assor. to said Bradley, Wilson, Jr. High performance transducer. 3,842,385, 10-15-74, Cl. 338-32.00r.

Ast, Therese M.; Pflavin, Milton H.; and Rao, K. Jagan Mohan, to Technicon Instruments Corporation. Method of direct potentiometric analysis of a liquid sample. 3,840,438, 10-8-74, Cl. 204-1.00t.

Asta-Werke Aktiengesellschaft Chemische Fabrik: *See—*
Arnold, Herbert; Bourseaux, Friedrich; Potel, Jurgen; and Brock, Norbert, 3,828,090.
Vogelsang, Dietrich; Scheffler, Gerhard; Brock, Norbert; and Lenke, Dieter, 3,813,384.

Astafiev, Anatoly Alexandrovich: *See—*
Semenov, Nikolai Nikolaevich; Gussak, Lev Abramovich; Boboley, Vasily Konstantinovich; Unxov, Evgeny Pavlovich; Astafiev, Anatoly Alexandrovich; Khazanov, Mikhail Semenovich; Moroz, Vitaly Iosifovich; Baranovsky, Leonid Semenovich; Afanasiev, Viktor Vasilivich; and Zubov, Ivan Petrovich, 3,802,827.

Astafiev, Georgy Vasilievich: *See—*
Razgulov, Mikhail Mikhailovich; Astafiev, Georgy Vasilievich; and Korolkov, Ivan Alexandrovich, 3,790,057.

Astakhov, Arkady Petrovich: *See—*
Tesner, Pavel Alexandrovich; Knorre, Vadim Georgievich; Podkopaev, Vladimir Fedorovich; Pakhtusova, Tamara Timofeevna; Baenkevich, Vsevolod Viktorovich; and Astakhov, Arkady Petrovich, 3,849,073.

Astec Industries, Inc.: *See—*
Brock, James Donald, 3,820,687.
Brock, James Donald; and Mize, Erbie Gail, 3,834,595.
Mize, Erbie Gail, 3,853,305.

Astedt, George; and Benasutti, Roger, to Conwed Corporation. Holding clip for panel board in ceiling grids. 3,834,106, 9-10-74, Cl. 52-489.000.

Astill, Cyril J.: *See—*
Whittaker, Stanley James; Astill, Cyril J.; and Janzen, Peter, 3,826,465.

Astill, Cyril J., to Canadian Patents and Development, Limited. Valve stem packing assembly. 3,787,060, 1-22-74, Cl. 277-69.000.

Astle, Brian; and Guiot, Jean Marie, to RCA Corporation. Thick film inductor with ferromagnetic core. 3,798,059, 3-19-74, Cl. 117-212.000.

Astle, Thomas W. Slide staining apparatus. 3,854,440, 12-17-74, Cl. 118-7.000.

Astley, Peter James: *See—*
Wilton, Raymond Charles; and Astley, Peter James, 3,820,134.

Aston Electronic Developments Limited: *See—*
Atkin, Laurence Walter, 3,810,166.

Aston, Michael William, to Lucas, Joseph, (Industries) Limited. Apparatus for testing the deformation under load of rubber or other elastically deformable materials. 3,847,018, 11-12-74, Cl. 73-94.000.

Astra Lakemedel Aktiebolag: *See—*
Bamberg, Peter; and Sjoberg, Enhorna Berndt Olof Harald, 3,838,008.
Bondesson, Ulf Goran; Carlson, Lars Anders Fritz; Hedbom, Christina; Magnusson, Harry Olof; and Stjernstrom, Nils Erik, 3,846,445.
Dahlbom, Johan Richard; Karlen, Bo Lennart; and Lindquist, Ake Roland, 3,839,360.
Fischler, Max, 3,784,681.
Jonsson, Arne Gosta; and Torstensson, Nils Torsten Lennart, 3,849,552.

Astra Nutrition Aktiebolag: *See—*
Knutsen, Tryggve Lund; and Osterman, Sven-Olof, 3,852,260.

Astra Pharmaceutical Products, Inc.: *See—*
Adams, Herbert J. F.; Kronberg, George H.; and Takman, Bertil H., 3,812,147.

Astra-Sjuco; a division under Astra-Gruppen A/S: *See—*
Jacobsen, Bjarne Hamilton, 3,788,325.

Astro Dynamics, Inc.: *See—*
Katz, Leonhard, 3,799,292.

Astro-Arc Co.: *See—*
Kazlauskas, Gasparas, 3,835,286.

Astro-Mechanics, Inc.: *See—*
Gage, Theodora A.; and Crothers, Carl C., 3,795,851.

Astrom, Ingmar: *See—*
Hellstrom, Bengt; Karsberg, Ulf; and Astrom, Ingmar, 3,834,327.

Astrom, Ingmar, to Gotaverkens Angtekniska AB (Gotaverken Heat Engineering Co., Ltd). Furnace wall containing spaced, parallel water tubes and blocks mounted thereon. 3,838,665, 10-1-74, Cl. 122-6.00a.

Astrom, Ingmar, to Gotaverkens Angtekniska AB (Gotaverken Heat Engineering Co., Ltd.). Furnace having walls defined by tube membranes. 3,844,254, 10-29-74, Cl. 122-6.00a.

Astrom, Klas Johan: *See—*
Karden, Karl Gosta; Westerberg, Sven Peter Johas; and Astrom, Klas Johan, 3,845,673.

Astronics Corporation: *See—*
Robinson, Thomas L., 3,786,307.

Astrosystems, Inc.: *See—*
Barth, Seymour, 3,849,774.

Astrup, William V.: *See—*
Young, Fred M.; and Astrup, William V., 3,857,151.

Asturiana de Zinc, S.A.: *See—*
Sitges, F. J., 3,840,032.

Asumendi, Vicente. Ratooning device. 3,830,047, 8-20-74, Cl. 56-53.000.

Atac, Muzaffer, to United States of America, Atomic Energy Commission. Quenching gas for detectors of charged particles. 3,787,746, 1-22-74, Cl. 313-93.000.

Atago, Takeshi: *See—*
Hosho, Yukio; and Atago, Takeshi, 3,818,881.
Masai, Tadahisa; and Atago, Takeshi, 3,849,024.

Atalaphe, Marie Therese: *See—*
Hermann, Georges, 3,839,208.
Hermann, Georges, 3,839,209.

Atamansky, Nikolai Petrovich: *See—*
Sablev, Leonid Pavlovich; Atamansky, Nikolai Petrovich; Gorbunov, Valentin Nikolaevich; Dolotov, Jury Ivanovich; Lutseenko, Vadim Nikolaevich; Lunev, Valentin Mitrofanovich; and Usov, Valdislav Vasilievich, 3,793,179.

Atchison, George J.; and Sundquist, Donald J., to Dow Chemical Company, The. Radiation cross-linking olefin polymers in combination with trivinyl isocyanurate. 3,817,851, 6-18-74, Cl. 204-159.170.

Atchison, George J.; and Sundquist, Donald J., to Dow Chemical Company, The. Method of radiation cross-linking olefin polymers containing acrylate cross-linking promoters. 3,852,177, 12-3-74, Cl. 204-159.170.

Atchisson, Maxwell G. Projectile launching apparatus. 3,782,021, 1-1-74, Cl. 42-1.00f.

Atchisson, Maxwell G. Firearm apparatus. 3,850,076, 11-26-74, Cl. 89-196.000.

Atchley, Frank W., to Atco Manufacturing Company, Inc. Demand delivery device for watering small birds. 3,838,664, 10-1-74, Cl. 119-72.500.

Atco Corporation. *See—*
Dumit, Josepy P., 3,784,025.

Atco Manufacturing Company, Inc.: *See—*
Atchley, Frank W., 3,838,664.

Atco Rubber Products, Inc.: *See—*
Anderson, Charles B.; and Tuggle, William H., Jr., 3,819,209.

Ateliers de Construction Mecanique Dieudonne Couquelet, societe anonyme: *See—*
Couquelet, Dieudonne, 3,792,991.

Ateliers de Constructions Electriques de Charleroi (ACEC): *See—*
Bouille, Jean Bernard; Ledoyen, Jose; and Warmont, Georges, 3,831,070.
Burny, Gilbert; Dalle, Robert; and Collet, Jacques, 3,805,413.
Burny, Gilbert, 3,829,988.
Dutilloeil, Jacques, 3,852,618.
Schirman, Ananie, 3,829,736.

Ateliers de Constructions Metalliques de Caen: *See—*
Champot, Alain, 3,799,247.

Ateliers de la Haute-Garonne Etablissements Auriol & Cie: *See—*
Auriol, Jean Marc, 3,840,980.

Ateliers des Charmilles, S.A.: *See—*
Goiffon, Thierry; Lehmann, Hans Rudolf; and Schaidl, Hubert, 3,815,470.
Marendaz, Georges-Andre, 3,825,714.
Pfau, Jean; Marendaz, Georges-Andre; and Rhyner, Heinz, 3,832,510.

Ateliers Diederichs: *See—*
Guallo, Maxime, 3,788,360.

Ateliers G.S.P. (Guillemin, Sergot, Pegard): *See—*
Pegard, Pierre, 3,789,472.

Ateliers Henri Lardet: *See—*
David, Fernand Antoine, 3,815,553.

Ateliers Reunis Societe Anonyme: *See—*
Joseph, Raymond, 3,812,999.

Ateliers Roannais de Constructions Textiles: *See—*
Marchand, Andre M., 3,790,996.
Sartori, Rolland, 3,796,383.

Ateligers de la Motobecane: *See—*
Jaulmes, Eric, 3,815,556.

Aten, Albert Christiaan; Van Santen, Gerrit; and Renirie, Fredericus Hendricus Ignatius, to U.S. Philips Corporation, mesne. Photosensitive device with connection electrodes on major surface and floating electrode on opposite surface. 3,812,346, 5-21-74, C. 250-211.00r.

Ates Componenti Elettronici S.p.A.: *See—*
Faglioni, Auro, 3,803,446.
Romano, Aldo, 3,828,265.

Athansoulas, Evangelos G. Saw blade. 3,810,410, 5-14-74, Cl. 83-852.000.

Athena Communications Corporation: *See—*
Gray, Robert G., 3,796,829.

Athenes, Claude: *See—*
Charransol, Pierre; Hauri, Jacques; and Athenes, Claude, 3,832,492.

Atherton, David, to NIG Mason, Limited. Electrosensitive recording materials. 3,786,518, 1-15-74, Cl. 346-135.000.

Atherton, John: *See—*
Stables, Harry Carson; Atherton, John; and Matchan, Michael John, 3,821,208.

Athey, Stuart E.: *See—*
Graff, David F.; and Athey, Stuart E., 3,808,391.

Athey, Stuart E., to Hobart Manufacturing Company, The. Mounting for printed circuit boards. 3,829,741, 8-13-74, Cl. 317-101.0dh.

Athey, Stuart E.; Vore, Alan Lee; and Swihart, Donald E., to Hobart Manufacturing Company, The. Control circuit for dishwasher. 3,844,299, 10-29-74, Cl. 134-57.00d.

Athey, Stuart E.; and Thornburg, W. Edwin, to Hobart Manufacturing Company, The. Liquid temperature control and low liquid level detector. 3,846,615, 11-5-74, Cl. 219-333.000.

Athey, Stuart E.; Buchan, Robert R. C.; and Nally, Glenn M. Electronic thermometer. 3,857,285, 12-31-74, Cl. 73-362.0ar.

Athletic Swing Measurement, Inc.: *See—*
Evans, James W., 3,788,647.
Evans, James W., 3,789,397.
Evans, James W., 3,806,131.

Athletics Devices, Inc.: *See—*
Nedwick, Zygmund, 3,810,618.

Athlon Corporation, The: *See—*
Goodwin, William D., 3,787,337.
Goodwin, William D., 3,819,825.

Athlone Industries, Inc.: *See—*
Simon, Jack, 3,800,368.

Athy, Lawrence F., Jr; Rushing, Sandy S., Jr.; and Nicholson, Gordon B., III, to Southwestern Manufacturing Company. Pressure responsive valve system. 3,788,341, 1-29-74, Cl. 137-209.000.

Atkarsky, Anatoly Alexandrovich: *See—*
Smirnov, Mikhail Dmitrievich; Ershov, Boris Alexandrovich; Savitsky, Vladilen Nikolaevich; Breev, Boris DmitrievICH; Atkarsky, Anatoly Alexandrovich; Shardakov, Svyatoslav Viktorovich; Sinajuk, David Aronovich; Stukalov, Vladimir Nikolaevich; and Puzynya, eonid Vasilievich, 3,824,642.

Atkiebolaget Lee Halsingborg: *See—*
Eriksoo, Edgar; Fex, Hans Jacob; Hogberg, Knut Bertil; Mollberg, Henri Rene; Rohte, Oskar Adolf; and Otto, Paul Hans, 3,833,567.

Atkin, Darwin R. Fly tying disposal apparatus. 3,794,280, 2-26-74, Cl. 248-99.000.

Atkin, Laurence Walter, to Aston Electronic Developments Limited Electronic character generating systems. 3,810,166, 5-7-74, Cl. 340-324.0ad.

Atkin, Robert F., to Pyrocom, Inc. Incinerator. 3,828,701, 8-13-74, Cl. 110-8.00a.

Atkin, Sydney: *See—*
Strelzoff, Samuel; and Atkin, Sydney, 3,785,797.

Atkins & Merrill, Incorporated. *See—*
Johnson, Coyote, 3,783,542.

Atkins, Bobby L.: *See—*
Brown, John H., Jr.; and Atkins, Bobby L., 3,837,979.
Harper, Billy G.; Bashaw, Robert N.; and Atkins, Bobby L., 3,810,468.

Atkins, Bobby L.; and Bashaw, Robert N., to Dow Chemical Company, The. Radiation absorbing shield for personnel and materials and method of making same. 3,818,234, 6-18-74, Cl. 250-515.000.

Atkins, Bobby L., to Dow Chemical Company, The. Process for the preparation of bead polymers useful in gel permeation chromatography. 3,857,824, 12-31-74, Cl. 260-80.30n.

Atkins, Bobby Leroy; and Bashaw, Robert Niles, to Dow Chemical Company, The. Radiation absorbing shield for personnel and materials and method of making same. 3,786,260, 1-15-74, Cl. 250-518.000.

Atkins, Bobby Leroy; Welsh, William Marvin; and Moore, William Ross, to Dow Chemical Company, The. High molecular weight olefin polysulfone resins and process for their preparation. 3,792,026, 2-12-74, Cl. 260-79.30a.

Atkins, Carl E., to Wagner Electric Corporation. Power transfer circuit for momentarily energizing keyable control circuits 3,801,798, 4-2-74, Cl. 307-98.000.

Atkins, Carl E., to Wagner Electric Corporation. Capacitance and resistance-responsive control circuits. 3,801,799, 4-2-74, Cl. 307-116.000.

Atkins, Carl E., to Wagner Electric Corporation. Condition-responsive control circuit including pulse-energized oscillator and amplifier. 3,828,273, 8-6-74, Cl. 331-65 000.

Atkins, Carl E., to Wagner Electric Corporation. Induction-keyed control circuit with keying network having variable resonant frequency. 3,842,324, 10-15-74, Cl. 317-146.000.

Atkins, Cedric D., and Attaway, John A., to State of Florida, Department of Citrus. Essence for enhancing the flavor of citrus juices. 3,782,972, 1-1-74, Cl. 426-192.000.

Atkins, Cedric D; and Attaway, John A. Method of producing enhanced citrus juice essence. 3,787,593, 1-22-74, Cl. 426-429.000.

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Auburn Engineering, Inc.: *See*—
Bitsura, Michael P.; Brevko, Robert; and Palmer, Merle A., 3,852,937.

Aubury, John F. B.: *See*—
Portas, Donald; and Aubury, John F. B., 3,843,210.

Auchapt, Rene, to L'Equipement et la Construction Electrique E.C.E. Amplitude-space converter, more particularly for dynamic display systems on matrices. 3,816,822, 6-11-74, Cl. 340-324.00m.

Aucoin, Blanche Le Blanc: *See*—
Storm, James C.; Myers, Thomas A.; and Aucoin, Hubert Paul, 3,805,902.

Aucoin, Hubert Paul: *See*—
Storm, James C.; Myers, Thomas A.; and Aucoin, Hubert Paul, 3,805,902.

Audac Corporation: *See*—
Kuehnle, Manfred R., 3,820,890.

Aude, Thomas C., to Becktel International Corporation. Concept of intermediate mixing of slurries in long pipelines. 3,820,853, 6-28-74, Cl. 302-66.000.

Audesse, Emery G.: *See*—
Westlund, Arnold E., Jr.; Palmer, Lewis H., III; Audesse, Emery G.; and Huston, Leroy S., 3,829,729.

Audet, Norman F.; and Tirrell, John E., Jr., to United States of America, Navy. Materials testing system. 3,817,109, 6-18-74, Cl. 73-423.0sd.

Audet, Normand A. Gun sight system for use under low ambient light conditions. 3,833,799, 9-3-74, Cl. 240-6.410.

Audi, Josef: *See*—
Halberschmidt, Friedrich; and Audi, Josef, 3,785,229.

Audi NSU Auto Union Aktiengesellschaft: *See*—
Eiermann, Dankwart, 3,816,041.
Gotzenberger, Adolf; and Scheeweiss, Manfred, 3,801,125.
Metz, Helmut, 3,785,006.
Rossie, Egbert; and Barke, Bernd, 3,788,686.
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McCarty, John O.; and Smith, Leary W., 3,787,637.
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Audicom Corporation: *See*—
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Audiffred, Sidney J.: *See*—
Woody, Albert L.; Audiffred, Sidney J.; and Steury, Howard C., 3,831,726.

Audiffred, Sidney J.; Bump, David W.; Erkkila, Raymond N.; Johnson, Lowell E.; and Pearce, Shairyl I., to Caterpillar Tractor Company. Interrelated controls for a motor and slipping clutch. 3,822,771, 7-9-74, Cl. 192-.084.

Audio Aleet Corporation: *See*—
Goodwater, Harry C., 3,794,765.

Audio Devices, Inc.: *See*—
Wakeman, Alfred W.; and Manierre, Robert L., 3,788,574.

Audio Magnetics Corporation: *See*—
Abitboul, Georges D., 3,817,785.

Audio Synthesisers Limited: *See*—
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Audiometric Teleprocessing, Inc.: *See*—
Feezor, Michael D., 3,793,484.
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Audn Corporation: *See*—
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Audoin, Claude, to Agence Nationale de Valorisation de la Recherche (ANVAR). Method of tuning the oscillation frequency of the resonant cavity of a maser oscillator to the transition frequency of stimulated emission of the active medium of said maser. 3,79,368, 2-12-74, Cl. 331-3.000.

Audronics, Inc.: *See*—
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Aue, Alexander I.; Reinhardt, Hans; Rydberg, Jan Helge Arnold; and Skjutare, Lars, to Gullspangs Elektrokemiska AB. Method of separating metallic chlorides from an aqueous mixture thereof. 3,824,161, 7-16-74, Cl. 423-139.000.

Auel, Theodor, to Knapsack Aktiengesellschaft. N-chlorosulfonylcarbamoyl phosphonic acid esters. 3,839,508, 10-1-74, Cl. 260-943.000.

Auer, Eberhard: *See*—
Vogt, Wilhelm; Fischer, Edgar; and Auer, Eberhard, 3,856,755.

Auer, Eberhard; Vogt, Wilhelm; and Gehrmann, Klaus, to Hoechst Aktiengesellschaft, mesne. Production of alpha-chloracrylic acid. 3,857,882, 12-31-74, Cl. 260-539.00r.

Auer, John H., Jr.: *See*—
Sibley, Henry C.; Auer, John H., Jr.; and Smith, Willis R., 3,825,744.

Auer, John H., Jr.; Marsh, Donald B.; and Sibley, Henry C., to General Signal Corporation. Multi-computer vehicle control system with self-validating features. 3,794,834, 2-26-74, Cl. 246-197.00b.

Auer, John H., Jr.; Marsh, Donald B.; and DiPaola, John J., to General Signal Corporation. Multi-computer automatic vehicle control system. 3,819,932, 6-25-74, Cl 246-1.00r.

Auer, Robert T.: *See*—
Lohr, Raymond J.; Campbell, Laurie Jay; and Auer, Robert T., 3,804,427.
Lohr, Raymond J.; and Auer, Robert T., 3,809,406.

Auer, Rupert, to Messer Griesheim G.m.b.H. Nozzle. 3,790,742, 2-5-74, Cl. 219-121.00p.

Auer, Ulrich; and Nicole, Andre, to Interbrew S.A. Woven tape provided with a list having protruding loops. 3,847,188, 11-12-74, Cl. 139-384.00b.

Auer, William F., to Willmark Products Company. Selector turrent for fiber optic cables. 3,831,017, 8-20-74, Cl. 240-2.00r.

Auerbach, David. System for the proportional evaluation of quantitative flow of fluids. 3,834,230, 9-10-74, Cl. 73-199.000.

Auerbach, Melvin: *See*—
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Auerbach, Robert S., to Master-Evans, Inc. Construction toy. 3,796,004, 3-12-74, Cl. 46-29.000.

Auerbach, Seymour. Light fixture. 3,836,766, 9-17-74, Cl. 240-73.0da.

Auerbach, Sherwin Leonard. Remote fastener for lamps and the like. 3,784,140, 1-8-74, Cl. 248-214.000.

Auernhammer, Marcus J., to Visi-Trol Engineering Company. Selective synchronous non-synchronous transfer machine. 3,805,942, 4-23-74, Cl. 198-19.000.

Aufderhaar, Ernst: *See*—
Bosshard, Rene; Gubler, Kurt; Aufderhaar, Ernst; and Brenneisen, Paul, 3,803,316.

Aufdermarsh, Carl Albert, Jr., to Du Pont de Nemours, E. I., and Company. Terpolymer of a polyisocyanate, a polyhydroxyphenol, and epoxy resin. 3,817,918, 6-18-74, Cl. 260-47.0ep.

Auffray, Pierre: *See*—
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Aufzuge, R. Stahl, GmbH: *See*—
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Augat, Inc.: *See*—
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Auge, Robert G.: *See*—
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Augenblick, Harry A.; and Engle, William J., to Microlab/Fxr. Recognition system. 3,798,642, 3-19-74, Cl. 343-7.0ed.

Auger, Bernard: *See*—
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Aughtry, Paul C., Jr., to Gower Manufacturing Co., Inc. Rack assembly. 3,827,377, 8-6-74, Cl. 108-108.000.

Augl, Joseph M.: *See*—
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Augris, Rene: *See*—
Bocabeille, Gilbert; and Augris, Rene, 3,828,131.

Augsburger, Jean-Jacques, to Erfinor A.G. Process for securing a horological balance spring or hair spring and a collet together by welding. 3,846,612, 11-5-74, Cl. 219-121.00m.

Augsburger, Larry Louis; and Marvel, John Ray, to Johnson & Johnson. Fragrance retention by chelating agent coated talc. 3,801,709, 4-2-74, Cl. 424-69.000.

Augspurger, Lynn Lawrence. Reproduction processes for cellular bodies. 3,854,470, 12-17-74, Cl. 128-1.00r.

Augstein, Joachim; Alexander, David; and Ham, Allan Leslie, to Pfizer Inc. Heterocyclic derivatives of phenoxypropanolamines. 3,852,291, 12-3-74, Cl. 260-256.40c.

August Bilstein Ennepetal-Altenwoerde, Firma: *See*—
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August, Eleanor J.: *See*—
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August, Ernest: *See*—
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August Herzog Maschinenfabrik: *See*—
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August, John L., Jr.; and Cuscino, Richard T., to General Electric Company. Regenerator support system for marine gas turbine. 3,851,607, 12-3-74, Cl. 114-.50r.

August, Paul. Device for the after treatment of exhaust gases of an internal combustion engine. 3,793,830, 2-26-74, Cl. 60-288.000.

August, Paul, Carburetor. 3,814,389, 6-4-74, Cl. 261-39.00d.

August Thyssen-Hutte AG, mesne: *See*—
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August Thyssen-Hutte Aktiengesellschaft: *See*—
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Augustin, Eugene H.; and Long, William P., to Ford Motor Company. Glass tempering method. 3,827,872, 8-6-74, Cl. 65-114.000.

Augustin, Jan: *See*—
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Augustin, Rolf M., Jr.; and Moodie, Donald E., to Polaroid Corporation. Film pack adapter. 3,852,780, 12-3-74, Cl. 354-86.000.

Augustine, Carroll F., to Midwest Microwave, Inc. Doppler radar for land vehicles. 3,833,906, 9-3-74, Cl. 343-9.000.

Augustine, Coleman M., Jr.; and Herchenroeder, Robert B., to Cabot Corporation. Precipitation strengthened alloys. 3,802,934, 4-9-74, Cl. 148-32.500.

Augustine, Frank B. Cone spray nozzle and method for making the same. 3,811,621, 5-21-74, Cl. 239-520.000.

Augustine, Robert J.: *See*—
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August's Limited: *See*—
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Augustyn, Edward J.: *See*—
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Augustyniak, Anthony A. Continuously cycling timer attachment for wall mounted toggle switch. 3,818,156, 6-18-74, Cl. 200-33.00r.

Auh, Chung M.: *See*—
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Auidi, Rugero W. Form tool fixture. 3,834,086, 9-10-74, Cl. 51-218.00a.

Aukerman, A. C., Co.: *See*—
Goughnour, Roy Robert, 3,792,133.

Aukland, Jerry C.: *See*—
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Aukmanis, Edvards B.: *See*—
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Campbell, Roger W.; Aukmanis, Edvards B.; and Placko, Milan, 3,831,964.

Aukrust, Egil: *See*—
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Aulenbach, Grant M.: *See*—
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Mueller, Floyd F.; and Aulik, Clarence J., 3,833,211.

Aulisa, Gerard D., to Sun Oil Company of Pennsylvania. Rotary skimmer. 3,844,950, 10-29-74, Cl. 210-170.000.

Ault, Alfred S.; Johnson, Le Roy A.; and Van Dolah, Harry J., to Eagle-Picher Industries, Inc. Method of preparing porcelain enamel frit for dry process enameling. 3,836,373, 9-17-74, Cl. 106-48.000.

Ault, Cyrus Frank, to Bell Telephone Laboratories. Ring supervisory circuit. 3,851,283, 11-26-74, Cl. 335-178.000.

Auman, John T.; and Hodgson, Robert L., to General Motors Corporation. Occupant restraint system. 3,853,334, 12-10-74, Cl. 280-150.0ab.

Aumayer, Hansruedi: *See*—
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Aumuller, Walter: *See*—
Weber, Helmut; Aumuller, Walter; Muth, Karl; and Weyer, Rudi, 3,812,185.
Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Schmidt, Felix Helmut, 3,825,665.
Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Stach, Kurt, 3,843,661.
Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Stach, Kurt, 3,847,938.
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Weyer, Rudi; Aumuller, Walter; Schweitzer, Roland, Weber, Helmut; and Hubner, Manfred, 3,816,424.
Weyer, Rudi; Hitzel, Volker; Aumuller, Walter; and Heerdt, Ruth, 3,835,188.

Aumuller, Walter; Weyer, Rudi; and Heerdt, Ruth, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzenesulfonyl-semicarbazides and process for their manufacture. 3,813,398, 5-28-74, Cl. 260-283.0sa.

Aumuller, Walter; Weyer, Rudi; Hitzel, Volker; and Hubner, Manfred, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzenesulfonyl ureas and process for their manufacture. 3,850,950, 11-26-74, Cl. 260-307.00d.

Aunstrup, Knud; and Andersen, Otto, to Novo Terapeutisk Laboratorium A/S. Enzyme products. 3,827,938, 8-6-74, Cl. 195-62.000.

Aunstrup, Knud; Andressen, Otto; and Outtrup, Helle, to Nono Terapeutisk Laboratorium A/S. Dehairing of leather. 3,840,433, 10-8-74, Cl. 195-6.000.

Aunt Nellie's Foods, Inc.: *See*—
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Auo Electronics Development Co., Inc.: *See—*
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Auphan, Michel Joseph: *See—*
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Auphan, Michel Joseph; and Martin Guy, to U.S. Philips Corporation. Dental drilling machine having improved cooling. 3,783,515, 1-8-74, Cl. 32-28.000.

Aupoix, Marcel: *See—*
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Aupor, Hans: *See—*
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Aupor, Hans; Beuchlein, Gunter; and Viernheim, Hans-Joachim, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft (M.A.N.) and Motorenwerke Mannheim AG. Hot gas cylinder-piston apparatus. 3,795,112, 3-5-74, Cl. 60-526.000.

Aupy, Roland Rolland, to Etat Francais representé par le Ministre Charge de la Defense National Delegation Ministerielle pour l'Armement. Apparatus and method for the storage and launching of a missile. 3,789,729, 2-5-74, Cl. 89-1.800.

Auracher, Robert, to Europaische H. O. Canfield Co. GmbH. Thermostat construction. 3,796,982, 3-12-74, Cl. 337-343.000.

Auray, Didier Henri; Downey, Richard T.; and Macomber, Robert I. Desoldering device. 3,813,023, 5-28-74, Cl. 228-19.000.

Auriana, Mark, to Burndy Corporation. Electrical connector. 3,815,079, 6-4-74, Cl. 339-46.000.

Auric Corporation: *See—*
Bick, Maurice; and Lochet, Jean A., 3,783,111.
Bick, Maurice; and Lochet, Jean A., 3,791,941.
Bick, Maurice; and Lochet, Jean A., 3,833,488.
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Aurich, Christoph W. *See—*
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Auriol, Jean Marc, to Ateliers de la Haute-Garonne Etablissements Auriol & Cie. High strength rivetted plate joint. 3,840,980, 10-15-74, Cl. 29-522.000.

Aurium Research Corporation: *See—*
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Aurora Corporation of Illinois: *See—*
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Aurora Products Corporation: *See—*
Martin, Donald E., 3,830,426.
Martin, Donald E., 3,854,405.
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Moe, Walter, 3,814,426.

Ausnit, Steven. Permanently closable fastener. 3,808,649, 5-7-74, Cl. 24-201.00c.

Ausnit, Steven. Apparatus for making multiple plastic bags with reclosable fastener thereon. 3,853,671, 12-10-74, Cl. 156-580.000.

Auspurg, Heinz; Holzerlandt, Dieter; Jaeger, Hannes; Kern, Peter; Moder, Hans-Ulrich; Schubert, Rolf; Bittermann, Hans; Huber, Josef; and Schaeffer, Bernhard, to Siemens Aktiengesellschaft. Storage arrangement for program controlled telecommunication exchage installations. 3,792,439, 2-12-74, Cl. 340-172.500.

Ausseil, Claude C. A. Swimming-aid devices. 3,786,526, 1-22-74, Cl. 9-307.000.

Aust, John J., and Gray, Charles D., to Owens-Illinois, Inc. Double-bottom, on-piece beverage case. 3,825,170, 7-23-74, Cl. 229-37.00e.

Austad, Grover R.; and Austad, Ronald G. Quick tie device. 3,848,354, 11-19-74, Cl. 43-42.490.

Austad, Ronald G.: *See—*
Austad, Grover R., and Austad, Ronald G., 3,848,354.

Austermann, John F., to Lear Siegler Inc. Front axle. 3,804,467, 4-16-74, Cl. 301-127.000.

Austin, Alfred E., to Du Pont de Nemours, E. I., and Company. Polynary germanides and silicides. 3,844,775, 10-29-74, Cl. 75-134.00f.

Austin, Arthur L.: *See—*
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Austin, Carl C.: *See—*
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Austin, Carl F.: *See—*
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Austin, Carl F., and Halsey, Carl C., to United States of America, Navy. Explosive device for scuttling ships. 3,838,643, 10-1-74, Cl. 102-24.0hc.

Austin, Elmer D. Mechanical fruit picker. 3,810,351, 5-14-74, Cl. 56-328.00r.

Austin, Eric Paul; Kemp, Geoffrey David; Tonelli, Fernando Antonio Francesca Modesto; and Marshall, Ian, to Simon-Hartley Limited. Electrolytic flotation apparatus. 3,793,178, 2-19-74, Cl. 204-272.000.

Austin, Eric Paul, to Simon-Hartley Limited. Electrolytic flotation. 3,817,865, 6-18-74, Cl. 210-192.000.

Austin, Frank C. Particle blasting. 3,793,785, 2-26-74, Cl. 51-12.000.

Austin, Glenn M.: *See—*
Seiferth, Oscar E.; Austin, Glenn M.; and Paul, Donald L., 3,803,332.
Seiferth, Oscar E.; Austin, Glenn M.; and Grace, Daniel C., 3,836,039.

Austin, Gordon Maxwell: *See—*
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Austin, Harold V. Interlocking panel haystack cover. 3,857,210, 12-31-74, Cl. 52-4.000.

Austin Hoy and Company Limited: *See—*
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Austin, James E. D., to Data General Corporation. Flexible circuit connectors. 3,805,213, 4-16-74, Cl. 339-17.00f.

Austin, Lewis M.; Denman, Robert R.; O'Donnell, Thomas P.; and Veres, Frank, to Owens-Illinois, Inc. Molding of lightweight glass articles and apparatus therefor. 3,788,828, 1-29-74, Cl. 65-33.000.

Austin, Lowell W.; Beale, Louis C., Jr.; and Smith, Edwin J., to National Steel Corporation. Method of improving the corrosion resistance of zinc coated ferrous metal substrates and the corrosion resistant substrates thus produced. 3,816,082, 6-11-74, Cl. 9-183.500.

Austin, Lowell W.; Beale, Louis C., Jr.; and Smith, Edwin J., to National Steel Corporation. Method of improving the corrosion resistance of substrates. 3,838,024, 9-24-74, Cl. 204-41.000.

Austin, Philip: *See—*
Chattaway, Keith; Gillings, Richard William; and Austin, Philip, 3,833,028.

Austin, Richard A., to Valley Bank and Trust Company, mesne. Feed apparatus. 3,836,028, 9-17-74, Cl. 214-338.000.

Austin, Robert R., and Creighton, David M., to International Telephone and Telegraph Corporation. Apparatus for the concentration reduction of a gas stream. 3,811,253, 5-21-74, Cl. 55-270.000.

Austin, Robert R.; and Vincent, Arthur Leonard, to International Telephone and Telegraph Corporation. Gas removal method and composition. 3,833,508, 9-3-74, Cl. 252-189.000.

Austin, Robert R., to International Telephone and Telegraph Corporation. Method of burning combustible fluids for further analysis. 3,853,474, 12-10-74, Cl. 23-232.00e.

Austin, Timothy K., to Container Corporation of America. Hot air diversion device. 3,801,266, 4-2-74, Cl. 432-45.000.

Austin, William E., to General Electric Company. Fast rise time quenching spark gap. 3,846,657, 11-5-74, Cl. 313-195.000.

Auston, David Henry; and Glass, Alastair Malcolm, to Bell Telephone Laboratories, Incorporated. Millimeter wave devices utilizing electrically polarized media. 3,792,379, 2-12-74, Cl. 332-7.510.

Austral Incinerator Corporation: *See—*
Bowles, Harry L., Jr., 3,812,795.

Austral-Erwin Engineering Co.: *See—*
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Austral-Erwin Engineering Co., mesne: *See—*
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Australasian Training Aids Proprietary Limited: *See—*
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Australia, Commonwealth of, c/o the Department of Civil Aviation: *See—*
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Australia, Commonwealth of, care of Department of the Army: *See—*
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Australian Atomic Energy Commission: *See—*
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Australian Wire Industries Proprietary Limited: *See—*
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Austria Tabakwerke Aktiengesellschaft vorm. Osterreichische Fabakregie: *See—*
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Autech Corporation: *See—*
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Autech, Inc.: *See—*
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Auto Bar Systems Corporation, mesne: *See—*
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Auto Crane Company: *See—*
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Simmons, Charles Clair, 3,827,040.
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Auto Parks, Inc.: *See—*
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Auto Research Corporation: *See—*
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Auto-Masters Limited: *See—*
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Auto-Place, Inc.: *See—*
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Auto-Valve, Inc.: *See—*
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Autobale America Corporation: *See—*
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Autobar Systems Corporation: *See—*
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Autoelektronik AG: *See—*
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Autoflow Engineering, Limited: *See—*
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Autogyar, Csepel: *See—*
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Bacevius, Joseph G., to Garrity, Paul G. Flashlight construction. 3,794,824, 2-26-74, Cl. 240-10.60r.

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Bach, Bert; and Lemcke, Robert, to Pure Way Corporation. Self-contained water closet and digester. 3,824,632, 7-23-74, Cl. 4-12.000.

Bach, Burton E. Finger hole liner for bowling ball. 3,784,198, 1-8-74, Cl. 273-63.00a.

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Bacha, John D.; and Selwitz, Charles M., to Gulf Research & Development Company. Process for increasing the alpha naphthol purity of a mixture containing alpha and beta naphthols. 3,803,248, 4-9-74, Cl. 260-621.00a.

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Bacher, Helmut; and Wendelin, Georg, to Krauss-Maffei Aktiengesellschaft. Twin screw extruder shafts, each driven by multiple gear sets, each with offset partial spline. 3,805,633, 4-23-74, Cl. 74-410.000.

Bacher, Helmut, to Midwest Microwave, Inc. Microwave attenuators. 3,824,506, 7-16-74, Cl. 333-81.00a.

Bacher, Rudolph J.; and Nakayama, Takashi, to Du Pont de Nemours, E. I., and Company. Celsian containing dielectric crossover compositions. 3,837,869, 9-24-74, Cl. 106-53.000.

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Bachle, Wilfred H.; Richardson, John L.; and Segovia, Gilbert, to Philco-Ford Corporation. Reverse osmosis membrane end fitting. 3,817,387, 6-18-74, Cl. 210-321.000.

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Bachmann, Andrew G.; and Litteral, Gerald M., to Loctite Corporation. Process for preparing discrete paricles of microencapsulated liquid anaerobic compositions. 3,826,756, 7-30-74, Cl. 252-316.000.

Bachmann, George. Pipe cutting equipment. 3,850,058, 11-26-74, Cl. 82-101.000.

Bachmann, Gerhard, to Siemens Aktiengesellschaft. Fixture for holding semiconductor discs during diffusion of doping material. 3,826,377, 7-30-74, Cl. 211-41.000.

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Bachmann, Mario E. Transcription control for cassette tape player. 3,784,127, 1-8-74, Cl. 242-199.000.

Bachmann, Mario E., to Motorola, Inc. Tape head rotator mechanism. 3,855,628, 12-17-74, Cl. 360-106.000.

Bachmann, Peter, to Ebauches Bettlach S.A. Winding and setting mechanism for watches. 3,827,235, 8-6-74, Cl. 58-67.000.

Bachmann, Peter, to Ebauches Bettlach S.A. Mechanical watch movement. 3,844,108, 10-29-74, Cl. 58-59.000.

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Bachmann, William V. Internal combustion engine. 3,805,524, 4-23-74, Cl. 60-307.000.

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Bachner, Ernst, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Process for continuous casting of hot liquid metals. 3,789,911, 2-5-74, Cl. 164-82.000.

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Bachus, Charles E. Morter debris cleanout apparatus. 3,788,017, 1-29-74, Cl. 52-122.000.

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Back, Sangho, E., to Crown Zellerbach Corporation. Loading of paper furnishes with gelatinizable material. 3,794,558, 2-26-74, Cl. 162-175.000.

Back, Sangho E.; Reba, Imants; and Wilhoit, Darrel L. Entraining a liquid into a fiber slurry to accelerate it prior to discharge from a flow path onto a forming wire. 3,853,695, 12-10-74, Cl. 162-216.000.

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Backowski, Henry J. Vehicle stabilizing means and method. 3,790,206, 2-5-74, Cl. 296-15.000.

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Backstrom, Arne L., to Svenska Entreprenad AB Sentab. Safety device against leakage from ships, especially tankers. 3,785,321, 1-15-74, Cl. 114-74.000.

Backstrom, Melvin L., to Textron, Inc. Copper backed electrical contact and method of making the same. 3,821,848, 7-2-74, Cl. 29-630.00c.

Backstrom, Sven Hjalmar; and Hellman, Per, to Stora Kopparbergs Bergslags Aktiebolag. Device for manufacture of a powder by atomizing a stream of molten metal. 3,813,196, 5-28-74, Cl. 425-7.000.

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Baclawski, Joseph E.; and Hunt, William R., to General Electric Company. Rotating machines having end thrust cushioning arrangements. 3,786,289, 1-15-74, Cl. 310-90.000.

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Bacon, Charles William. Portable tube cutting hand saw and attachment. 3,807,268, 4-30-74, Cl. 83-467.000.

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Bacon, Karl W., to Arrow Development Company. Boat amusement ride with a spillway. 3,853,067, 12-10-74, Cl. 194-70.000.

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Bacon, Vincent S. Valved tank nozzle for a storage tank. 3,821,964, 7-2-74, Cl. 137-317.000.

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Bacs, Laszlo: *See*—
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Bacskai, Robert, to Chevron Research Company. Polymerization of vinylpyridine in the presence of small particles of ziegler catalyzed polyolefins or polystyrene. 3,828,016, 8-6-74, Cl. 260-88.30r.

Bacso, Imre, to Sandoz-Wander, Inc. Preparation of 3-oxo-17-alpha-propadienyl-substituted steroids. 3,803,183, 4-9-74, Cl. 260-397.400.

Bacso, Imre; and Coombs, Robert V., to Sandoz-Wander, Inc. 17-Alpha-propadienyl-substituted steroids. 3,842,104, 10-15-74, Cl. 260-397.400.

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Badalich, Frank C.; and Watterlohn, Roy H., to Bell & Howell Company. Filmstrip projector with synchronized sound. 3,799,420, 3-26-74, Cl. 226-102.000.

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Badenkov, Petr Fedorovich; Petrokas, Leonid Venediktovich; Portny, Gennady Lazarevich; Pukhova, Regina Lazarevna; Davidovich, Natalia Ivanovna; Roitburd, Isaak Shlemovich; Tsaplin, Nikolai Sergeevich; and Pinegin, Vladimir Alexandrovich; deceased (by Pinegna, Margarita Vladimirovna; administrator). Equipment for building pneumatic tyres. 3,785,905, 1-15-74, Cl. 156-400.000.

Bader, Andre; and Weiss, Francis, to Ugine Kuhlmann. Carboxylic diesters and the method for preparing the same. 3,787,484, 1-22-74, Cl. 260-488.00a.

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Bader, Henry; and Chiang, Yunn H., to Polaroid Corporation. Process for the preparation of 1,8-naphthaldehydic acid. 3,812,115, 5-21-74, Cl. 260-343.20r.

Bader, Henry; Feingold, Michael; and Jahngen, Edwin G., Jr., to Polaroid Corporation. Process for producing developers for silver halide image patterns. 3,812,191, 5-21-74, Cl. 260-590.000.

Bader, Henry; Feingold, Michael H.; January, Susan C.; and Sparks, John W., to Polaroid Corporation. Process for the preparation of 3-(3'-carboalkoxy-4'-acetoxy-1'-naphthyl)-3-(4''-hydroxy-1''-naphthyl) naphthalide. 3,822,293, 7-2-74, Cl. 260-343.20r.

Bader, Henry; and January, Susan C., to Polaroid Corporation. Synthesis of 3-(3'-carboxy-4'-hydroxy-1'-naphthyl) -3-(3'-carboxy-4'-hydroxy-1'-naphthyl) naphthalide. 3,829,443, 8-13-74, Cl. 260-343.20r.

Bader, Horst, to Eckardt, J. C., AG. Circuit for pneumatic controllers. 3,782,403, 1-1-74, Cl. 137-86.000.

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Bader, Joerg; and Vogel, Christian, to Ciba-Geigy Corporation. 1-Phenyl-4-phosphoranylideneamino-5-halo-6 (1h)-pyridazone derivatives. 3,823,142, 7-9-74, Cl. 260-250.00a.

Bader, Jorg; and Gatzi, Karl, to Ciba-Geigy Corporation. Control of phytopathogenic fungi with 3-arylimino-1,2 dithiols. 3,790,677, 2-5-74, Cl. 424-277.000.

Bader, Jorg; deceased (by Bader-Ludwig, Dagmar; legal representative); Hambock, Heinz; Sturm, Elmar; and Weiss, Anton Georg, to Ciba-Geigy Corporation. Certain 1,2,4-thiadiazoles. 3,846,438, 11-5-74, Cl. 260-302.0sd.

Bader, Jorg; deceased (by Bader-Ludwig, Dagmar; legal representative), to Ciba-Geigy Corporation. Pyridazonylphosphoric acid derivatives as herbicides. 3,853,870, 12-10-74, Cl. 260-250.00a.

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Baechle, Charles H. Power tool accessory. 3,828,484, 8-13-74, Cl. 51-170.0eb.
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Baelder, Arnold; and Peters, Uwe, to Klippan GmbH. Retractor for safety belts especially for motor vehicles. 3,822,046, 7-2-74, Cl. 242-107.400.
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Baer, John S., to Warner Electric Brake & Clutch Company. Clutch and coupling unit. 3,831,724, 8-27-74, Cl. 192-56.00c.
Baer, Jurgen; Sommer, Dieter; and Toplak, Ernst, to Brown Boveri & Company Limited. Gas-cooled electrical generator. 3,809,934, 5-7-74, Cl. 310-53.000.
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Baermann, Max. Method of producing a molded anisotropic permanent magnet. 3,849,213, 11-19-74, Cl. 148-108.000.
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Baesch, Viktor, to Ludwig-Ofag-Indugas Industrieanlagen GmbH. Method of making an electro magnetic-sheet stack. 3,819,427, 6-25-74, Cl. 148-122.000.
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Baessler, Konrad: *See*—
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Baganoff, Frederick, 3,844,659.
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Bagby, John P.: *See*—
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Bagby, Percy R. Self-releasing and self-lowering block. 3,787,032, 1-22-74, Cl. 254-190.000.
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Bagdal, Karl T.: *See*—
Haney, Eugene E.; La Tour, Harry; Brown, Roy A., Jr.; and Bagdal, Karl T., 3,830,716.
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Paton, Boris Evgenievich, Lebedev, Vladimir Konstantinovich; Medovar, Boris Izrailevich; Pentegov, Igor Vladimirovich; Latash, Jury Vakimovich, Bondarenko, Oleg Petrovich, Baglai, Vitaly Mikhailovich; Podola, Nikolai Vasilievich; and Emelyanenko, July Georievich, 3,790,691.
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Bagnall, Raymond, to Caligen Foam Limited. Foam laminates. 3,855,048, 12-17-74, Cl. 161-159.000.

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Bagshawe, Kenneth D.; and Marchant, Derek N., to Hayward Foundation, The. Apparatus for analysing continuously discrete biological liquid samples. 3,784,826, 1-8-74, Cl. 250-100.0sc.

Bagshawe, Kenneth Dawson. Performance of routine chemical reactions in compartmentalized containers. 3,825,410, 7-23-74, Cl. 23-230.00r.

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Bahal, Surendra M., to American Home Products Corporation. Method of stabilization of 6-(1-aminocyclohexane-carboxamido) penicillanic acid and resultant compositions. 3,855,411, 12-17-74, Cl. 424-176.000.

Bahder, George; and Katz, Carlos, to Phelps Dodge Industries, Inc. Method and apparatus for accelerated testing of power cable insulation for susceptibility to treeing. 3,821,640, 6-28-74, Cl. 324-54.000.

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Bahder, George; and Garcia, Felipe G., to Phelps Dodge Industries, Inc. Splice for electric cables. 3,846,578, 11-5-74, Cl. 174-88.00r.

Baher, Bernard H. Combined level, square and plumb tool. 3,826,013, 7-30-74, Cl. 33-390.000.

Bahl, James Melvin, to Deere & Company. Variable pressure hydraulic system. 3,826,090, 7-30-74, Cl. 60-445.000.

Bahl, Lalit R.; Barnea, Daniel I.; and Kobayashi, Hisashi, to International Business Machines Corporation. Image compaction system. 3,833,900, 9-3-74, Cl. 340-347.0dd.

Bahler, Andre; Gschwend, Norbert; and Scheier, Heinrich, to Sulzer Brothers Ltd. Endo-prosthesis for a wrist joint. 3,837,008, 9-24-74, Cl. 3-1.000.

Bahlo, Jurgen F., to General Felt Industries, Inc. Process of applying adhesive to a floor covering. 3,847,647, 11-12-74, Cl. 117-38.000.

Bahm, John R., to Jones & Laughlin Steel Corporation. Method and apparatus for measuring stresses in ferromagnetic material. 3,798,537, 3-19-74, Cl. 324-34.000.

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Bahr, Siegmund; and Saur, Walter, to Fr. Hesser Maschinenfabrik AG. Worm metering device with shut-off mechanism. 3,790,040, 2-5-74, Cl. 222-413.000.

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Olschewski, Paul, 3,782,875.

Bahri, Marcel; and Carlsson, Kurt, to AB Svenska Flaktfabriken. Cleaning waste gases containing hydrogen fluorides from an electrolytic furnace for aluminum production. 3,827,955, 8-6-74, Cl. 204-67.000.

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Dorsey, Denis Peter; Rodda, William E.; and Bahrs, Kenneth Bruce, 3,854,006.

Bahrton, Per Svante. Device for measuring the velocity of a flowing or streaming media. 3,802,283, 4-9-74, Cl. 73-194.00b.

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Baichle, Karl: *See*—
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Baichtal, James R., to Vidar Corporation. Tape speed monitor. 3,829,893, 8-13-74, Cl. 360-73.000.

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Knyazhev, Andrei Alexandrovich; Avdeeva, Tanara Ignatievna; Shapiro, Ninel Isaevna; and Baikova, Ekaterina Mikhailovna, 3,808,045.

Baile, Clifton A.; McLaughlin, Carol Lynn; and Webb, Robert Lee, to Smithkline Corporation. Methods and compositions for improving the feed intake of meat producing animals. 3,812,255, 5-21-74, Cl. 424-244.000.

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Bailey, Carl W., III: *See*—
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Bailey, Cecil; Frederick, Oscar C.; and Maurya, Ramamurat R., to General Electric Company. Method of beam welding dissimilar metal parts. 3,794,807, 2-26-74, Cl. 219-121.0em.

Bailey, Cecil; Frederick, Oscar C.; Maurya, Ramamurat R.; and Talento, Joseph L., to General Electric Company. Method of metallurgically joining a beryllium-base part and a copper-base part. 3,808,395, 4-30-74, Cl. 219-121.0em.

Bailey, Cecil; Balchunas, Walter C.; and Zlupko, John E., to General Electric Company. Method of applying a fused silica coating to a substrate. 3,814,620, 6-4-74, Cl. 117-93.apf.

Bailey, Clifford Michael; and Mous, Gerarous Adrianus, to Cincinnati Milacron Inc. Hypotenuse correction circuit. 3,852,580, 12-3-74, Cl. 235-152.000.

Bailey, David C., to General Electric Company. Automatic record changer. 3,794,332, 2-26-74, Cl. 274-10.00r.

Bailey, David C., to General Electric Company. Speed control mechanism. 3,847,027, 11-12-74, Cl. 74-190.000.

Bailey, Denis M., to Sterling Drug, Inc. 3,4-Dihydro-1-or 3-(polyfluoroalkyl)-2(1H)-isoquinolinecarboxamidoximes. 3,855,228, 12-17-74, Cl. 260-288.00r.

Bailey, Derek W., to Brunswick Corporation. Method for continuously processing waste nitric acid solutions. 3,851,047, 11-26-74, Cl. 423-390.000.

Bailey, Dunn M.: *See*—
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Bailey, Earl N.: *See*—
Nilson, Jay Brent; and Bailey, Earl N., 3,800,326.

Bailey, Edward A. Rock drill. 3,785,248, 1-15-74, Cl. 91-6.000.

Bailey, Edward A.; and Ordway, James F. Striking bar. 3,797,584, 3-19-74, Cl. 173-105.000.

Bailey, Edward A.; and Wolcott, Robert E. Centralizer. 3,807,812, 4-30-74, Cl. 308-3.900.

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Feigin, Abner Oscar; Bailey, Floyd Leroy; and Smith, Russell Yerby, Jr., 3,803,753.

Bailey, Frank Gordon, to C.I.C. Ralphs Ltd. Method of shoe lasting. 3,831,215, 8-27-74, Cl. 12-145.000.

Bailey, Gordon B.; and Wilhelm, Carl F., Jr., to General Electric Company. Self compensating flow divider for a gas turbine steam injection system. 3,785,146, 1-15-74, Cl. 60-39.530.

Bailey, Guy: *See*—
Numbers, J. L.; and Bailey, Guy, 3,820,187.

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Bailey, Isabel W. Plastic container with disposable inner container. 3,790,021, 2-5-74, Cl. 220-63.00r.

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Bailey, James R., to Johnson Service Company. Piezoelectric acoustical transducer for transmitting and receiving. 3,800,270, 3-26-74, Cl. 340-1.00r.

Bailey, James R., to Switchcraft, Inc. Switchboard lamp cartridge plug. 3,818,486, 6-18-74, Cl. 340-381.000.

Bailey, James R., to Switchcraft, Inc. Electrical switch unit. 3,821,533, 6-28-74, Cl. 200-338.000.

Bailey, Jay Richard, to McCulloch Corporation. Apparatus for reducing the operation noise of a chain saw. 3,798,769, 3-26-74, Cl. 30-383.000.

Bailey, Jay Richard, to McCulloch Corporation. Chain saw anti-vibration system. 3,845,557, 11-5-74, Cl. 30-381.000.

Bailey, John C., Jr.; Head, Clarence M., Jr.; and Phillips, Clarence W. Method of making high temperature plastic-ceramic castable. 3,803,279, 4-9-74, Cl. 264-71.000.

Bailey, John D., to Pullman Incorporated. Freight car door latching device. 3,788,007, 1-29-74, Cl. 49-449.000.

Bailey, John D., to Pullman Incorporated. Railroad freight car door track and threshold design. 3,788,239, 1-29-74, Cl. 105-378.000.

Bailey, John D., to Pullman Incorporated. Opening, closing and locking device. 3,791,688, 2-12-74, Cl. 292-283.000.

Bailey, John G., Jr.: *See*—
Smith, Gary E.; and Bailey, John G., Jr., 3,810,600.

Bailey, John J.; and Keeran, William C. Lens for a signal lamp. 3,826,914, 7-30-74, Cl. 240-106.00r.

Bailey, John M.; Kranc, Stanley J.; and De Keyser, Richard A., to Caterpillar Tractor Company. Fuel injection system. 3,788,546, 1-29-74, Cl. 239-120.000.

Bailey, John M.; and Zook, Donald G., to Caterpillar Tractor Company. Connecting rod manufacturing. 3,818,577, 6-25-74, Cl. 29-413.000.

Bailey, John R., to Senturion Sciences, Inc. Continuous bit positioning system. 3,817,345, 6-18-74, Cl. 340-15.5mc.

Bailey, John S., to Tyco Laboratories, Inc. Method and apparatus for growing crystalline bodies from the melt using a porous die member. 3,826,625, 7-30-74, Cl. 23-301.0sp.

Bailey, John S., to Tyco Laboratories, Inc. Non-wetting aid for growing crystalline bodies. 3,853,489, 12-10-74, Cl. 23-301.0sp.

Bailey, Joseph; Knott, Edward B.; and Marr, Peter A., to Eastman Kodak Company. Dyes for photography. 3,810,761, 5-14-74, Cl. 96-84.00r.

Bailey, Keith A.; and Marlow, Jerry R., to General Motors Corporation. Transmission control system. 3,789,963, 2-5-74, Cl. 192-3.570.

Bailey, Knight V., to Bendix Corporation, The. Grid for an automatic coordinate determining device. 3,801,733, 4-2-74, Cl. 178-19.000.

Bailey, Leo L.: *See*—
Morrow, James J.; and Bailey, Leo L., 3,857,762.

Bailey, Leonard R., to Case, J. I., Company. Backhoe mounting arrangement. 3,844,425, 10-29-74, Cl. 214-131.00a.

Bailey, Mansel M. Boat seat mounting. 3,821,825, 7-2-74, Cl. 9-7.000.

Bailey, Maurice C.: *See*—
Kober, Leslie Z.; and Bailey, Maurice C., 3,815,656.

Bailey Meter Company: *See*—
Boll, Richard H., 3,847,487.
Cohen, Kenneth W., 3,788,593.
Fisher, Edward W., 3,845,443.
Hunter, Richard C., 3,841,158.
Krechmery, Roger L.; and Seabeck, Lee A., 3,802,263.
Riley, John E., 3,845,348.
Thompson, Elliott R., Sr., 3,797,316.

Bailey Meter Company, mesne: *See*—
Haid, William R., 3,831,014.

Bailey, Paul D.: *See*—
Kesling, Keith K.; and Bailey, Paul D., 3,853,366.

Bailey, Paul T.: *See*—

Minnick, Robert C.; Bailey, Paul T.; Sandfort, Robert T.; and Semon, Warren L., 3,798,607.

Bailey, Peter John Dennis, to Irvin Great Britain Limited. Ratchet tensioners. 3,804,368, 4-16-74, Cl. 254-51.000.

Bailey, Philip S.: *See*—
Chang, Yun Ger; and Bailey, Philip S., 3,842,129.

Bailey, Ralph E.: *See*—
McDow, Robert W.; Bailey, Ralph E.; and Holt, Ferrell, 3,807,891.

Bailey, Raymond E.; and Kreckel, Douglas A., to Xerox Corporation. Dynamic bath control process. 3,844,906, 10-29-74, Cl. 204-9.000.

Bailey, Rex Edward. Automatic egg turner. 3,783,833, 1-8-74, Cl. 119-44.000.

Bailey, Richard J., to GTI Corporation. Conductive shunt for dual-in-line terminal integrated circuit. 3,784,957, 1-8-74, Cl. 339-19.000.

Bailey, Richard L. Mobile reel support unit. 3,854,509, 12-17-74, Cl. 242-86.50r.

Bailey, Robert E.: *See*—
Murchison, Craig B.; Bailey, Robert E.; and Diesen, Ronald W., 3,819,516.

Bailey, Robert F.: *See*—
Ang, Choh-Yi; Bailey, Robert F.; and Ogren, John R., 3,833,410.

Bailey, Ronald B., to General Electric Company. Power delivery system for a tank load characterized by series-connected inverter bridges and a high voltage source. 3,790,877, 2-5-74, Cl. 321-27.00r.

Bailey, Ronald B., to General Electric Company. Coordinated master-slave converter system for variable-power tank loads. 3,823,362, 7-9-74, Cl. 321-27.0ms.

Bailey, Ronald E., to Special Metals Corporation. Treating nickel base alloys. 3,785,876, 1-15-74, Cl. 148-2.000.

Bailey, Ronald E., to Special Metals Corporation. Treating nickel base alloys. 3,785,877, 1-15-74, Cl. 148-2.000.

Bailey, W. H., Sir, & Co. Limited, mesne: *See*—
Smith, Ronald Gordon, 3,815,869.

Bailey, Wallace O.; McMurtry, Carl H.; and Miccioli, Bruno R., to Carborundum Company, The. Dense composite ceramic bodies. 3,808,012, 4-30-74, Cl. 106-44.000.

Bailey, Wayne. Wave operated power plant. 3,808,445, 4-30-74, Cl. 290-42.000.

Bailey, Wayne W.; and McCarthy, Paul R., to Gulf Research & Development Company. Aluminum complex soap grease containing calcium carbonate. 3,843,528, 10-22-74, Cl. 252-18.000.

Bailey, William Dale; and Tomaka, Jan Zbigniew, to Alcan Research and Development Limited. Rotary dump bulk carrying rail car. 3,817,189, 6-18-74, Cl. 105-406.000.

Bailey, William J., Jr.; Houle, James F.; and Van Norman, Gilden R., to Eastman Kodak Company. Multilayer radiation sensitive element having controlled triboelectric charging characteristics. 3,850,642, 11-26-74, Cl. 96-87.00a.

Bailie, Richard C. Production of high energy fuel gas from municipal wates. 3,853,498, 12-10-74, Cl. 48-209.000.

Bailiff, Vernon B. Universal ring jaws. 3,800,402, 4-2-74, Cl. 29-445.000.

Baillargeon, Frank. Engine heating device. 3,834,356, 9-10-74, Cl. 122-265.000.

Baillargeon, Victor: *See*—
Delisle, Jules; and Baillargeon, Victor, 3,809,811.

Baillet, Gerard Eugene; and Chabonat, Andre Marcel, to Societe Anonyme de Telecommunications. Control device for a camera for taking aerial photographs by monoline scanning. 3,858,002, 12-31-74, Cl. 178-7.200.

Baillet, Paulin; Simonin, Rene; and Fouard, Jean-Claude, to Societe Chimique, Routiere et d'Entreprise. Vibrating comb structure for a road surface layer. 3,850,541, 11-26-74, Cl. 404-114.000.

Baillie, Robert A.: *See*—
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Baillie, William R., to Blue Ribbon Industries, Inc. Wire protector for mobile homes and the like. 3,855,413, 12-17-74, Cl. 174-48.000.

Bailly, Daniel: *See*—
Gill, Thomas R.; and Bailly, Daniel, 3,851,766.

Bailly, Robert T. Method and apparatus for testing blood coagulation. 3,814,585, 6-4-74, Cl. 23-230.00b.

Bailly, Yves A.: *See*—
Fauran, Claude P.; Douzon, Colette; Huguet, Gerard J.; Raynaud, Guy M.; and Bailly, Yves A., 3,798,218.

Baily, Edward Dyson: *See*—
Jennings, Barry Randal; and Baily, Edward Dyson, 3,801,204.

Bain, Billy R., to Levingston-Armadillo, Inc. Prefabricated flight deck structure for offshore drilling platforms. 3,815,300, 6-11-74, Cl. 52-73.000.

Bain, Donald Cyril, to National Research Development Corporation. Lateral thrust units. 3,797,527, 3-19-74, Cl. 137-832.000.

Bain, James A. Flexible tube device. 3,856,051, 12-24-74, Cl. 138-114.000.

Bain, James B., to Datron Systems, Inc. Minature relay. 3,828,286, 8-6-74, Cl. 335-126.000.

Bainbridge, Cecil, to Rohr Corporation. Deflection compensating unified two part track for sliding door and method of making same. 3,842,462, 10-22-74, Cl. 16-94.00r.

Bainbridge, Wilfred Nicholas; and Pitcher, Robert Hazell, to Automotive Products Company, Limited. Pneumatic suspension systems for vehicles. 3,836,166, 9-17-74, Cl. 280-124.00f.

Bainbridge, Wilfred Nicholas; Parsons, David; and Hodkinson, Harold, to Automotive Products Company, Limited. Brake application control devices. 3,851,473, 12-3-74, Cl. 60-552.000.

Bains, Malkiat S.: *See*—
Arthur, Jett C., Jr.; and Bains, Malkiat S., 3,790,562.
Arthur, Jett C., Jr.; and Bains, Malkiat S., 3,821,196.

Bair, Clyde F. Disaster valve. 3,842,852, 10-22-74, Cl. 137-39.000.

Bair, James G., to Fox Grinders, Inc. Anti-vibration work rest for grinders. 3,839,830, 10-8-74, Cl. 51-238.00s.

Bair, Robert K., to Sterling Drug Inc. Process of preparing 1,4-dihydro-4-oxo-7-Q-3-unsubstituted -1,8-naphthyridines from cyclic alkylidenyl N-(6-Q-2 pyridyl)aminomethylenemalonates. 3,856,800, 12-24-74, Cl. 260-296.00n.

Bair, Thomas I.; and Morgan, Paul W., to Du Pont de Nemours, E. I., and Company. Wholly aromatic carbocyclic polycarbonamide fiber having initial modulus in excess of 170 gpd and orientation angle of up to 40. 3,817,941, 6-18-74, Cl. 260-78.00r.

Baird, Bennett Ray, to Du Pont de Nemours, E. I., and Company. Aromatic polyamides stabilized with nickelous carbonate. 3,819,569, 6-25-74, Cl. 260-45.7sn.

Baird Chemical Industries, Inc.: *See*—
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Baird, Curtis K., Sr. Timing device. 3,795,100, 3-5-74, Cl. 58-145.00r.

Baird, James W., to United States Gypsum Company. Weather-resistant, sand coated exterior gypsum board and wall. 3,824,147, 7-16-74, Cl. 161-162.000.

Baird, Joseph M., to Hughes Aircraft Company. Millimeter wave imaging system using direct carrier injection. 3,824,593, 7-16-74, Cl. 343-17.000.

Baird, Raymond C., Jr.: *See*—
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Baird, Robert J.: *See*—
Taylor, Thomas A.; and Baird, Robert J., 3,791,851.

Baird, Robert J.; and Taylor, Thomas A., to Union Carbide Corporation. High energy absorption-porous beryllium made by plasma consolidation. 3,853,549, 12-10-74, Cl. 75-208.00r.

Baird, William C., Jr.; Surridge, John H.; and Hartgerink, Ronald L., to Esso Research and Engineering Company. Oxidation of mercury to mercuric and mercurous salts (C-136). 3,792,069, 2-12-74, Cl. 260-431.000.

Baird, William G., Jr.; Holbrook, Stanley E.; and Platt, Jeremy A., to Grace, W. R., & Co. Method for preparing of film of a vinylidene chloride polymer. 3,821,182, 6-28-74, Cl. 260-91.700.

Baird, William R.; and Sutton, Kenneth O., to Saturn Machine & Welding Co., Inc. Coke oven door and jamb cleaners. 3,847,753, 11-12-74, Cl. 202-241.000.

Baird-Atomic, Inc.: *See*—
Grenier, Raymond P., 3,787,685.
Grenier, Raymond P., 3,793,520.
Piccolo, Adrian; and Turner, Arthur, 3,818,197.
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Baisch, J. Carroll: *See*—
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Baitinger, Utz G.; Najmann, Knut K.; and Remshardt, Rolf, to International Business Machines Corporation. Monolithic storage arrangement with latent bit pattern. 3,798,621, 3-19-74, Cl. 340-173.00r.

Baitinger, Utz G.; and Najmann, Knut K., to International Business Machines Corporation. Monolithic storage multi-emitter transistors with different width bases. 3,810,123, 5-7-74, Cl. 340-173.0ff.

Bajars, Laimonis: *See*—
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Bajars, Laimonis, to Petro-Tex Chemical Corporation. Oxidative dehydrogenation process and catalysts. 3,801,672, 4-2-74, Cl. 260-683.300.

Bajcar, Miles S., to Marshall, Robert Howard and Chemetron Corporation. Apparatus for accumulating stacks of sliced material. 3,821,913, 7-2-74, Cl. 83-92.000.

Bajcar, Miles S.; Wallace, Gary Leonard; and Linehan, John J., to Chemetron Corporation. Rapid action article transfer apparatus. 3,834,515, 9-10-74, Cl. 198-27.000

Bajek, Walter A.; and McLaughlin, James H., to Universal Oil Products Company. Combination column reboiler heat input, octane, overhead and bottoms control apparatus. 3,838,014, 9-24-74, Cl. 196-132.000.

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Bajorek, Christopher H.; Romankiw, Lubomyr T.; and Thompson, David A., to International Business Machines Corporation. Self-biased magnetoresistive sensor. 3,840,898, 10-8-74, Cl. 360-113.000.

Bajusz, Sandor: *See*—
Mago, Erzsebet; Balogh, Tibor; Borsi, Jozsef; Bajusz, Sandor; Moravcsik, Imre; Elek, Sandor; Polgari, Istvan; and Lowinger, Laszlo, 3,822,268.
Medzihradszky, Kalman; Bajusz, Sandor; Kisfaludy, Lajos; Low, Miklos; Paulay, Zoltan; Szporny, Laszlo; and Lang, Zsuzsanna, 3,810,880.

Bak, Martin J.: *See*—
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Bakal, Abraham: *See*—
Corey, Harold; Bakal, Abraham; Konigsbacher, Kurt; and Schoenholz, Daniel, 3,812,268.

Bakassian, Georges, to Rhone-Poulenc S.A. Unsaturated organi-tin mercaptides, their preparation and use. 3,818,062, 6-18-74, Cl. 260-429.700.

Bakassian, Georges; Gay, Michel; and Lefort, Marcel, to Rhone-Poulenc S.A. Process for the preparation of organochlorostannanes. 3,839,382, 10-1-74, Cl. 260-429.700.

Bakay, Arpad: *See*—
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Bakelite Xylonite, Limited: *See*—
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Webster, Joseph George; and Tuck, William Henry, 3,819,796.

Bakels, Marinus: *See*—
Anspach, William E., Jr.; and Bakels, Marinus, 3,820,536.

Baker, Alan Clark, to Celesco Industries, Inc. Gun launched training projectile. 3,810,426, 5-14-74, Cl. 102-87.000.

Baker, Alan Stuart: *See*—
Nicks, Peter Francis; Jones, Gladys Mary; and Baker, Alan Stuart, 3,804,787.

Baker, Alan Stuart; Green, George; and Waters, Julian Alfred, to Imperial Chemical Industries Limited. Process for the transformation of a polymer dispersion to a homogeneous solid mass. 3,857,810, 12-31-74, Cl. 260-34.200.

Baker, Alfred R. Tree canopy heater. 3,830,014, 8-20-74, Cl. 47-1.700.

Baker, Bernard, to Energy Research Corporation. Modular battery construction. 3,844,841, 10-29-74, Cl. 136-111.000.

Baker, Bernard S.: *See*—
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Baker, Billy Eugene; and Galle, Edward M., to Hughes Tool Company. Acoustic methods for fracturing selected zones in a well bore. 3,842,907, 10-22-74, Cl. 166-249.000.

Baker, Billy Z., to Roberts Supply, Inc. Apparatus and method for striating concrete. 3,846,036, 11-5-74, Cl. 404-75.000.

Baker, Bob Jim: *See*—
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Baker Brush Co., Inc.: *See*—
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Baker, C. Mark, to Hewlett-Packard Company. Scanning light emitting diode display of digital information. 3,805,255, 4-16-74, Cl. 340-172.500.

Baker, Cecil J.; and Beckett, Leo G., to Whirlpool Corporation. Apparatus for freezing ice bodies. 3,829,056, 8-13-74, Cl. 249-121.000.

Baker, Charles G., to Case, J. I., Company. Tilt and telescoping steering system. 3,799,569, 3-26-74, Cl. 280-87.00a.

Baker, Charles H., to Eaton Corporation. Flow control valve. 3,785,392, 1-15-74, Cl. 137-117.000.

Baker, Charles R.; and Moore, Robert L., to Western Electric Company, Incorporated. Article transfer method. 3,847,697, 11-12-74, Cl. 156-155.000.

Baker, Charles Taft, to Texas Instruments Incorporated. Method of determining concentrations. 3,824,453, 7-16-74, Cl. 324-29.000.

Baker, Clinton F. Harvesting machine with crop saving attachment. 3,812,661, 5-28-74, Cl. 56-14.400.

Baker, Crispin Stuart Leworthy; Barnard, Douglas; Porter, Maurice Read, and Sang, See Toh Mook, to Natural Rubber Producers' Research Association, The. Bonding of rubber. 3,806,392, 4-23-74, Cl. 156-306.000.

Baker, Crispin Stuart Leworthy; Barnard, Douglas; and Porter, Maurice Read, to Natural Rubber Producers' Research Association, The. Urethanes. 3,853,925, 12-10-74, Cl. 260-396.00n.

Baker, David Keith; Eason, Ronald Charles; Gascoigne, Richard Melville, and Schryver, Andrew, to Rank Organisation Limited, The. Stage lighting control units. 3,784,875, 1-8-74, Cl. 315-294.000.

Baker, David R.; and Yin, Robert I., to Fibreboard Corporation. Carton blanks printed with a heat sealable composition and method thereof. 3,788,876, 1-29-74, Cl. 117-38.000.

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Mihailovski, Alexander; and Baker, Don R., 3,847,980.

Baker, Don R., to Stauffer Chemical Company. Ethynylene containing N-phenyl carbamates and their use as acaricides and insecticides. 3,792,168, 2-12-74, Cl. 424-300.000.

Baker, Don R.; Teach, Eugene G.; and Arneklev, Duane R., to Stauffer Chemical Company. Anilide carbamates as algicidal agents. 3,792,994, 2-19-74, Cl. 71-67.000.

Baker, Don R.; and Teach, Eugene G., to Stauffer Chemical Company. Methylene dioxy benzene derivatives as synergists for carbonyl. 3,795,740, 3-5-74, Cl. 424-282.000.

Baker, Don R.; and Epstein, Peter F., to Stauffer Chemical Company. Miticidal method containing active fluoro phthalimide derivatives. 3,796,802, 3-12-74, Cl. 424-274.000.

Baker, Don R., to Stauffer Chemical Company. Certain 2-benzimidazole carbamates used as fungicides. 3,803,317, 4-9-74, Cl. 424-273.000.

Baker, Don R., to Stauffer Chemical Company. Biocidal active carbamyl hydrazones. 3,829,486, 8-13-74, Cl. 260-554.000.

Baker, Don R., to Stauffer Chemical Company. Organotin miticidal and insecticidal compounds. 3,832,370, 8-27-74, Cl. 260-429.700.

Baker, Don R.; and Teach, Eugene G., to Stauffer Chemical Company. Sulfonyloxy bromoacetanilides and their utility as biocides. 3,836,564, 9-17-74, Cl. 260-456.00a.

Baker, Don R.; and Teach, Rugene G., to Stauffer Chemical Company. Bromoacetanilide carbamic acid esters useful as biocides. 3,839,581, 10-1-74, Cl. 424-300.000.

Baker, Don R.; and Epstein, Peter F., to Stauffer Chemical Company. Miticidal active fluoro phthalimide derivatives. 3,840,555, 10-8-74, Cl. 260-326.00h.

Baker, Donal E.: *See*—
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Baker, Donal E., to Westinghouse Electric Corporation. D.C. static switch circuit with a main switch device and a power sharing circuit portion. 3,793,580, 2-19-74, Cl. 323-9.000.

Baker, Donald B., to Bird Machine Company, Inc. Shower apparatus. 3,807,633, 4-30-74, Cl. 239-109.000.

Baker, Donald Brooks, to Bird Machine Company, Inc. Liquid extracting apparatus and method. 3,841,910, 10-15-74, Cl. 134-15.000.

Baker, Donald J.; Gartner, Stanley J.; and Oberg, Robert S., to Sylvania Electric Products Inc. Machine for making through connection in printed circuit board. 3,803,697, 4-16-74, Cl. 29-203.00b.

Baker, Donald James, Jr., Hill, Ivan Winfield; and Wearn, Richard B., Jr., to United States of America, Navy. Deep sea pressure gauge. 3,820,391, 6-28-74, Cl. 73-170.00a.

Baker, Donald L. Bicycle safety lighting generator-battery system. 3,792,307, 2-12-74, Cl. 315-77.000.

Baker, Donald O., to Linear Devices Inc. Geological movement detectors. 3,828,435, 8-13-74, Cl 33-1.00h.

Baker Drapery Corporation: *See*—
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Baker, Earl A., to Corning Glass Works. Article handling apparatus 3,802,151, 4-9-74, Cl. 53-59.00r.

Baker, Earl A.; and Jones, Joseph R., to Corning Glass Works. Detecting apparatus. 3,821,855, 7-2-74, Cl. 33-174,001.

Baker, Edgar Bradbury. Anti-pollution by-product from phenolic contaminates. 3,833,712, 9-3-74, Cl. 423-245.000.

Baker, Edward D., to NPI Corporation, mesne. Double belt freezing machine. 3,791,162, 2-12-74, Cl. 62-341.000.

Baker, Elizabeth Ann; Wluka, David Jankiel; and Tankey, Howard William, to Imperial Chemical Industries of Australia and New Zealand Limited. Dispersion comprising pigment, organic liquid and polymeric deflocculating agent. 3,832,209, 80-27-74, Cl. 106-30800q.

Baker, Elton N., to Fotel Inc. Graphic aid and methods related thereto. 3,853,564, 12-10-74, Cl. 96-41.000.

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Baker, Francis E., Jr.: *See*—
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Baker, Fred E., to General Electric Company. Detangling dryer. 3,840,030, 10-8-74, Cl. 132-9.000.

Baker, Fred E., to General Electric Company. Hair detangler. 3,850,181, 11-26-74, Cl. 132-11.00a.

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Baker, George H., Sr., to Baker Drapery Corporation. Drapery support. 3,785,005, 1-15-74, Cl. 16-87.40r.

Baker, George H., Sr., to Baker Drapery Corporation. Drapery tape. 3,807,482, 4-30-74, Cl. 160-330.000.

Baker, George H., Sr., to Baker Drapery Corporation. Drapery support. 3,818,543, 6-25-74, Cl. 16-87.40r.

Baker, George M. Double rotary brush car wash assembly. 3,839,762, 10-8-74, Cl. 15-21.00d.

Baker, Gordon W. Fishing game. 3,836,142, 9-17-74, Cl. 273-1.00m.

Baker, Harold R., to Norris Industries, Inc. Welding apparatus and welder head. 3,832,516, 8-27-74, Cl. 219-81.000.
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Baker, James A. Rotary engine. 3,796,196, 3-12-74, Cl. 123-8.170.
Baker, James E. Hand climber accessory for tree-climbing-hunting platforms. 3,856,111, 12-24-74, Cl. 182-135.000.
Baker, James G., to Polaroid Corporation. Reflex camera and viewing device. 3,783,764, 1-8-74, Cl. 95-42.000.
Baker, James G., to Polaroid Corporation. Corrected optical system for shallow camera or the like, components thereof. 3,784,277, 1-8-74, Cl. 350-6.000.
Baker, James G., to Polaroid Corporation. Camera bellows to prevent dust entering through an aperture therein. 3,785,263, 1-15-74, Cl. 95-39.000.
Baker, James G., to Polaroid Corporation. Compact four element objective lenses of plastic and glass. 3,807,836, 4-30-74, Cl. 350-221.000.
Baker, James P., to Weatherhead Company, The. Motor vehicle fluid power circuit. 3,841,095, 10-15-74, Cl. 60-404.000.
Baker, James T.: *See—*
Kilbourn, Eugene L.; and Baker, James T., 3,792,250.
Weber, Carl; Shroyer, Larry L.; and Baker, James T., 3,789,210.
Baker, Jerry D.: *See—*
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Baker, John C.: *See—*
Leclaire, Claier D.; and Baker, John C., 3,795,655.
Baker, John R.; and Fox, George, to Ford Motor Company. Resiliently biased control linkage. 3,789,693, 2-5-74, Cl. 74-513.000.
Baker, John R.; and Williams, Edward G., to Xerox Corporation. Surfaces with fluorocarbon process for multiple coating resins. 3,852,861, 12-10-74, Cl. 29-132.000.
Baker, John W. Precision cutting tool. 3,820,233, 6-28-74, Cl. 29-566.000.
Baker, Joseph W.: *See—*
Schumacher, Ignatius; and Baker, Joseph W., 3,790,649.
Baker, Lamar T., to General Instrument Corporation. Logical bootstrapping in shift registers. 3,794,856, 2-26-74, Cl. 307-205.000.
Baker, Lamar T., to General Instrument Corporation. Parasitic transistor shift register. 3,812,520, 5-21-74, Cl. 357-41.000.
Baker, Leroy D., to Diamond International Corporation. In-line package capping apparatus. 3,816,973, 6-18-74, Cl. 53-287.000.
Baker, Lionel Richard; Biddles, Barry John; and Williams, Thomas Llewellyn, to Sira Institute. Method of, and apparatus for gauging, inspecting or measuring physical properties of objects. 3,814,520, 6-4-74, Cl. 356-71.000.
Baker, Lionel Richard; Archer, Peter Robert; and West, Patricia Ann, to Sira Institute. Method of and apparatus for analysing patterns and inspecting objects. 3,814,943, 6-4-74, Cl. 250-550.000.
Baker, Malcolm Arthur, to British Oxygen Company, Limited, The. Vacuum apparatus. 3,786,130, 1-15-74, Cl. 423-245.000.
Baker, Martin L.; and Eufusia, Eugene A., to Optical Coating Laboratory, Inc. Optical thickness rate monitor. 3,853,093, 12-10-74, Cl. 118-8.000.
Baker, Maurice William; Crowley, Jennifer; Watkins, Thomas Iswel; and Clark, Nigel George, to Boots Pure Drug Company Limited. Carbamoylbenzotriazole anthelmintics. 3,852,457, 12-3-74, Cl. 424-269.000.
Baker, Merle W. Training aid-guide device for pool cue. 3,851,876, 12-3-74, Cl. 273-24.000.
Baker Oil Tools, Inc.: *See—*
Berryman, William O., 3,797,591.
Berryman, William O., 3,840,080.
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Callihan, Rudy B.; and Wainwright, Clyde S., Jr., 3,841,400.
Cockrell, Darryl W., 3,830,297.
Crowe, Talmadge L., 3,797,573.
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Curington, Alfred R., 3,788,409.
Curington, Alfred R.; and Kammerer, Archer W., Jr., 3,804,181.
Hudson, Delbert L., 3,796,257.
Jackson, John L.; and Steinwinder, John E., 3,827,487.
Kammerer, Archer W., Jr.; and Johnson, Gary R., 3,797,255.
Kammerer, Archer W., Jr., 3,797,259.
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Mignotte, Henry X., 3,797,572.
Swanson, Roy E., Jr., 3,830,294.
Baker Perkins Inc.: *See—*
Ingram, Charles E.; Gendron, Roger J.; Cronk, Vern V.; and Keefe, Harry J., 3,831,293.
Kaiser, Herbert R.; and Sonderhouse, Ronald G., 3,804,824.
Krenke, Norman O.; and Sims, De Witt, 3,809,265.
Levi, George A., 3,788,799.
Loomans, Bernard A., 3,802,278.
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Baker Perkins Limited: *See—*
Edwards, Albert, 3,822,737.
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Shaw, James Thomas; and Lilley, Raymond Percy Arthur, 3,828,482.
Shaw, James Thomas; Fawcett,Colin Graham; and Lilley, Raymond Percy Arthur, 3,830,022.
Baker, Philip G., to Polaroid Corporation. Prismatic element. 3,807,842, 4-30-74, Cl. 352-78.00r.
Baker, Philip G.; Cook, Gerald H.; and Downey, Rogers B., to Polaroid Corporation. System for rupturing pod containing processing fluid for photographic material. 3,820,149, 6-25-74, Cl. 354-317.000.
Baker, Philip G., to Polaroid Corporation. Novel prismatic element. 3,850,510, 11-26-74, Cl. 350-286.000.
Baker, Ralph W.; Bergeron, Charles R.; and Nugent, Adam, Jr., to Ethyl Corporation. Preparation of beryllium hydride by pyrolysis of a di-tertiary-alkyl beryllium etherate. 3,816,608, 6-11-74, Cl. 423-645.000.
Baker, Raymond J. Pool table ball dispenser. 3,797,627, 3-19-74, Cl. 194-41.000.
Baker, Raymond J. Replaceable game table rail. 3,811,673, 5-21-74, Cl. 273-9.000.
Baker, Richard H.; McNally, Donald E.; and Armstrong, Michael J., to Steelcase Inc. Detachable table arm and bookrack. 3,814,474, 6-4-74, Cl. 297-160.000.
Baker, Richard W.: *See—*
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Baker, Robert A., to Aluminum Filter Company. Polygonal shaped fry pan cover and method of making. 3,797,693, 3-19-74, Cl. 220-44.00a.
Baker, Robert A., to Aluminum Filter Company. Fry pan utensil. 3,807,596, 4-30-74, Cl. 220-44.00a.
Baker, Robert G.; Nord, Eric T.; and Reighard, Alan B., to Nordson Corporation. Thermoplastic applicator with self-cleaning supply reservoir. 3,792,801, 2-19-74, Cl. 222-146.0he.
Baker, Robert G.; and Reighard, Alan B., to Nordson Corporation. Thermoplastic dispenser system. 3,811,405, 5-21-74, Cl. 118-2.000.
Baker, Robert G.; and Reighard, Alan B., to Nordson Corporation. Thermoplastic dispenser system having non-clogging melting zone. 3,826,224, 7-30-74, Cl. 118-2.000.
Baker, Robert G.; and Tamny, Simon Z., to Nordson Corporation. Modular applicator system. 3,840,158, 10-8-74, Cl. 222-487.000.
Baker, Robert Lisle. Space enclosing structure. 3,854,255, 12-17-74, Cl. 52-81.000.
Baker, Robert W., to Flexible Metal Hose Manufacturing Company. Electrical cable connecting device. 3,819,849, 6-25-74, Cl. 174-86.000.
Baker, Ronald Lee, to Thiel, Charles J. and Michaels, Louis J. Amaloam loader. 3,785,411, 1-15-74, Cl. 141-18.000.
Baker, Roy F., to Zenith Radio Corporation. TV AFC circuit eliminates biased diodes for symmetrical pull-in. 3,796,824, 3-12-74, Cl. 178-5.8af.
Baker, Roy F.; Banach, Frank G.; Rypkema, Jouke N.; and Skerlos, Peter C., to Zenith Radio Corporation. Automatic fine tuning system and method for use in super-heterodyne receivers. 3,808,541, 4-30-74, Cl. 325-423.000.
Baker, Sherman F.; and Hess, Frederick D., Jr., to McDonnell Douglas Corporation. Aircraft engine suspension system. 3,831,888, 8-27-74, Cl. 244-54.000.
Baker, Steven Clark, to AMP Incorporated. Angularly positionable electrical contact housing. 3,853,380, 12-10-74, Cl. 339-91.00r.
Baker, Terry M.: *See—*
Burdick, Robert E.; Baker, Terry M.; and Wolfe, Baxter K., 3,831,525.

Baker, Terry M.; Kieding, Robert B.; Huthsing, Henry W., Jr.; and Burdick, Robert E., to Rolair Systems, Inc. Furnace moving system. 3,791,535, 212-74, Cl. 214-1.00r.
Baker, Theodore C.: *See—*
Schmersal, Larry J.; Baker, Theodore C.; and Murley, M., 3,845,243.
Baker, Theodore H.; Chafghaichi, Majid; and Stevens, Richard C., to International Business Machines Corporation. Method of testing for the operability of integrated semiconductor circuits having a plurality of separable circuits. 3,801,905, 4-2-74, Cl. 32473.00r.
Baker, Theodore H.; Stevens, Richard C.; and Tzou, Albert J., to International Business Machines Corporation. Method for determining whether holes in insulated layer of semiconductor substrate are fully open. 3,851,245, 11-26-74, Cl. 324-65.00r.
Baker, Thomas J. Safety apparatus for an inclined hoist system. 3,805,923, 4-23-74, Cl. 188-38.000.
Baker, Thompson A.; Balsiger, Melvin M.; Considine, Kevin T.; and Litsjo, Herbert E., to Tektronix, Inc. Electron-beam tube including a thermionic-field emission cathode for a scanning electron microscope. 3,809,899, 5-7-74, Cl. 250-311.000.
Baker, Walter, Jr., to General Electric Company. Air conditioner grille assembly. 3,820,351, 6-28-74, Cl. 62-267.000.
Baker, William Albert; Wheatley, John Arthur; Read, Peter John; Latimer, Keith Graham; and Reynolds, Terence David Warren, to Alcan Research and Development Limited. Method of making aluminium bearing alloy strip. 3,833,983, 9-10-74, Cl. 29-149.50s.
Baker, William C.: *See—*
Benson, James M.; and Baker, William C., 3,785,206.
Baker, William Frederick, Sr., to AMSTED Industries Incorporated. Lockset seat extension on type E coupler. 3,850,312, 11-26-74, Cl. 213-147.000.
Baker, William H. Angle connectors for modular beam structures. 3,786,612, 1-22-74, Cl. 52-754.000.
Baker, William H. Nonflooding perimeter skimming gutter wall for swimming pools. 3,815,160, 6-11-74, Cl. 4-172.170.
Baker, William J.; Galloup, Clifford L.; and Bos, John R., to Gardner-Denver Company. Cutting, stripping, and wrapping bit for insulated conductor wire. 3,781,932, 1-1-74, Cl. 7-14.10r.
Baker, William J.; Bos, John R.; and Klemm, Robert W., to Gardner-Denver Company. Binding and labeling apparatus. 3,848,789, 11-19-74, Cl. 227-76.000.
Baker, William L.; and Turchi, Peter John, to United States of America, Air Force. Electromagnetic implosion X-ray source. 3,835,330, 9-10-74, Cl. 250-493.000.
Baker, William O.: *See—*
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Baker, William O., to Baker Hydro, Inc. Swimming pool surface skimming weir. 3,815,161, 6-11-74, Cl. 4-172.170.
Baker, William O.; and Johnson, Charles S., to Baker Hydro, Inc. Weir hinge structure. 3,839,750, 10-8-74, Cl. 4-172.170.
Baker, William O.; and Johnson, Charles S., to Baker Hydro Inc. Swimming pool racing line take-up float assembly. 3,845,510, 11-5-74, Cl. 4-172.000.
Bakermans, Fransiscus Cornelius; and Thoms, William Charles, to Du Pont de Nemours, E. I., and Company. Terminal block assembly apparatus. 3,846,896, 11-12-74, Cl. 29-203.0dt.
Bakermans, Fransiscus Cornelius; and Thoms, William Charles, to Du Pont de Nemours, E. I., and Company. Lead wire assembly apparatus. 3,848,316, 11-19-74, Cl. 29-203.0dt.
Bakewell, David, to Courtaulds North America, Inc. False twister. 3,782,088, 1-1-74, Cl. 57-34.0hs.
Bakewell, John, to GKN Transmissions Limited. Method of and apparatus for machining curved surfaces. 3,823,626, 7-16-74, Cl. 82-1.00c.
Bakewell, Sidney. Power grinder and mixer for foods. 3,799,459, 3-26-74, Cl. 241-101.500.
Bakharev, Andrei Nikolaevich: *See—*
Fedjukin, Dmitry Lvovich; Sergeeva, Ljudmila Semenovna; Bakharev, Andrei Nikolaevich; Gorlina, Inna Leonidovna; Aronov, Anatoly Izrailevich; Kravets, Arkady Timofeevich; Korochkin, Petr Evmenovich; and Titov, Alexei Ivanovich, 3,846,611.
Bakke, Elmer L. Combined harvester, grain auger and cleaner. 3,823,819, 7-16-74, Cl. 209-12.000.
Bakke, Even, to Slick Corporation, The. Dust collector including diffuser assembly. 3,831,354, 8-27-74, Cl. 55-418.000.
Bakke, Even; and Scapicchio, Celestino G., to Slick Corporation, The. Apparatus for separating a gaseous carrier from particulate matter entrained therein. 3,849,092, 11-19-74, Cl. 55-302.000.
Bakke, Jan Magnus; and Heikmann, Harald Erik, to Aktiebolaget Bofors. Process for the preparation of O-aminobenzonitrile. 3,783,142, 1-1-74, Cl. 260-465.00e.
Bakke, Jan Magnus, to Aktiebolaget Bofors. Process for the preparation of 1,2-di(o-or p-nitrophenyl)-ethanol. 3,833,667, 9-3-74, Cl. 260-618.00e.
Bakken, Petter Magnar, to Elektronikklaboratoriet ved NTH. Electronical amplitude modulator, in particular for modulating signals intended for navigation purposes. 3,829,796, 8-13-74, Cl. 332-44.000.
Bakker, Donavon L., to Butler Manufacturing Company. Conveyor with angularly adjustable transistion section. 3,796,296, 3-12-74, Cl. 198-109.000.
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Bakker, Lubertus; and Krumm, Eugene D., to Air Preheater Company, Inc., The. Railroad tie reducer. 3,810,555, 5-14-74, Cl. 241-278.00r.
Bakker, Lynn A.: *See—*
Mao, Chung-Ling; Bakker, Lynn A.; and Robertson, John R., 3,821,132.
Bakker, Nicolaas, to Chevron Research Company. C-alkyloxy substituted tert-butyl amines. 3,796,756, 3-12-74, Cl. 260-584.00c.
Bakker, Wate T.: *See—*
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Bakker, Willem F., to Metex Corporation. Electromagnetic shielding material. 3,821,463, 6-28-74, Cl. 174-35.0ms.
Baklien, Asbjorn, to ICI Australia Limited. Process for the recemization of tetramisole. 3,806,516, 4-23-74, Cl. 260-306.700.
Baklien, Asbjorn; and Kolm, Jan, to ICI Australia Limited. Multistep process for preparing 2,3,5,6-tetrahydroimidazo [2,1-b] thiazoles. 3,828,061, 8-6-74, Cl. 260-306.700.
Bako, Lazlo; and Heine, Henry, to Presto Lock Co.; Division of Kidde, Walter, & Company, Inc. Buckle combination lock. 3,820,363, 6-28-74, Cl. 70-312.000.
Bakos, Peter; and Knight, Diana J., to International Business Machines Corporation. Method for stripping resists from substrates. 3,813,309, 5-28-74, Cl. 156-2.000.
Bakos, Peter, to International Business Machines Corporation. Primer for electroless plating. 3,857,724, 12-31-74, Cl. 47-47.00a.
Baksay, Ivan, to Zirconium Teclinology Corporation. Method of reducing notch sensitivity in tubular products. 3,805,459, 4-23-74, Cl. 51-319.000.
Baksay, Ivan, to Zirconium Technology Corporation. Manufacture of tubes with improved metallic yield strength and elongation properties. 3,826,124, 7-30-74, Cl. 72-367.000.
Bakshinov, Alexi Stepanovich: *See—*
Krjukov, Nikolai Mikhailovich; Shparber, Lazar Yakovlevich; Egorov, Anatoly Fedorovich; Denisov, Jury Petrovich; Bakshinov, Alexi Stepanovich; Shatlin, Alexei Leontievich; Kiyashko, Vladimir Safonovich; Krylov, Vitaly Nikolorvich; Marsuversky, Boris Alexanrovich; Saifutdinov, Rafik Khisamovich; and Vier, Vladimir Ivanovich, 3,792,850.
Baktai, Gyorgy; Saly, Sandor; Orlik, Benedek; and Neugebauer, Jeno, to Egyesult Izzolampa es Villamossagi Reszvenytarsasag. Retentive tungsten body containing 20-500 PPM titanium and/or zirconium. 3,798,008, 3-19-74, Cl 29-182.000.
Bakul, Valentin Nikolaevich; Rabinovich, Esfir Salimanovna; and Yakovchuk, Jury Alexandrovich. Binder for cutting particles of abrisive tool. 3,817,976, 6-18-74, Cl. 260-19.00u.
Bakule, Ronald D.; Gill, Robert A.; and Emmons, William D., to Rohm & Haas Company. Electroconductive paper. 3,804,668, 4-16-74, Cl. 117-201.000.
Bakumenko, Ljdmila Alexandrovna: *See—*
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Balaban, Alvin Rauben, to RCA Corporation. Signal limited for exalted carrier AM detector. 3,796,963, 3-12-74, Cl. 329-101.000.
Balaban, Donald Roy. Artificial sphincter. 3,815,576, 6-11-74, Cl. 128-1.00r.
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Kuris, Arthur; Balamuth, Lewis; and Karatjas, Manuel, 3,828,770.
Balamuth, Lewis, to Ultrasonic Systems, Inc. Ultrasonic surgical procedures. 3,794,040, 2-26-74, Cl. 128-303.100.
Balamuth, Lewis; Kuris, Arthur; and Karatjas, Manuel, to Ultrasonic Systems, Inc. Ultrasonic kits and motor systems. 3,809,977, 5-7-74, Cl. 318-116.000.
Balamuth, Lewis; Rutten, Michael R.; and Meyer, Robert, to Ultrasonic Systems, Inc. Ultrasonic toothbrush applicator. 3,840,932, 10-15-74, Cl. 15-167.00r.
Balan, Albert Lawrence: *See*—
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Balan, Markandan Hari. Redundant electrical system. 3,835,333, 9-10-74, Cl. 307-64.000.
Balan, Niculae Cornel, to Trustul de Constructii Industriale Cluj. Prismatic cooling-element assembly for water-cooling towers. 3,823,925, 7-16-74, Cl. 261-98.000.
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Baland, Raymond W. Impact switch with inertia operated toggle linkage actuator mechanism. 3,836,738, 9-17-74, Cl. 200-61.45r.
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Balas, John Thomas, to Wheaton Industries. Magnetic cell stirrer. 3,854,704, 12-17-74, Cl. 259-118.000.
Balash, Eduard Alexandrovich; and Smolyaninov, Vladimir Georgievich. Cradle of a circular-tooth bevel gear cutting machine. 3,802,315, 4-9-74, Cl. 90-5.000.
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Balass, Valentin, to Ferag AG. Energy storage device. 3,814,213, 6-4-74, Cl. 185-39.000.
Balassa, Leslie L., to Lescarden Ltd. Process of promoting healing of wounds. 3,804,949, 4-16-74, Cl. 424-128.000.
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Balaz, Joseph K.; Kelly, Richard A.; and Schulze, Wolfgang, to Flinn & Dreffein Engineering Company. Modular insulation of fibrous material. 3,832,815, 9-3-74, Cl. 52-227.000.
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Balch, Conrad J.; and Gendreau, Armand W. Ignitable fuel package. 3,846,086, 11-5-74, Cl. 44-40.000.
Balch, James L.; Anderson, James E.; and Schroeder, Charles J., to Mayer, Oscar, & Co. Inc. Method and apparatus for manufacturing container lids having transparent windows. 3,820,219, 6-28-74, Cl. 29-208.00r.
Balch, Ralph H.; Watson, George A.; and Coates, Herbert W., to Celanese Corporation. Stitched nonwoven webs. 3,819,469, 6-25-74, Cl. 161-154.000.
Balchan, Anthony S.; and Cowan, George R., to Du Pont de Nemours E. I., and Company. Shock-bonding of hard particles. 3,851,027, 11-26-74, Cl. 264-84.000.
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Balchunas, Charles A., to General Electric Company. Wall plug-in time switch. 3,824,418, 7-16-74, Cl. 310-71.000.
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Bald, Wilfried, to Siemag Siegener Maschinenbau GmbH. Process and mechanism for the operating of a rolling mill. 3,782,155, 1-1-74, Cl. 72-14.000.
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Balde, Daniel; and Nagy, Georges, to Produits Chimiques Ugine Kuhlmann. Bis(haloalkyl)methoxymethane phosphonates. 3,851,020, 11-26-74, Cl. 260-950.000.
Baldenko, Dmitry Fedorovich: *See*—
Ogly, Asan-Nuri Abdulla; Baldenko, Dmitry Fedorovich; Gusman, Moisei Timofeevich; Kochnev, Anatoly Mikhailovich; and Nikomarov, Samuil Solomonovich, 3,822,972.
Balder, Alton Parker. Screened photograph puzzle. 3,854,726, 12-17-74, Cl. 273-157.00r.
Balder, Norman J. Telescopic measurement transfer device. 3,808,690, 5-7-74, Cl. 33-1.0cc.
Balderson Inc.: *See*—
Balderson, Willard E.; and Birk, Billy D., 3,845,870.
Balderson, Willard E.; and Birk, Billy D., to Balderson Inc. Landfill bucket. 3,845,870, 11-5-74, Cl. 214-145.000.
Baldi, Alfonso L.: *See*—
Cook, George H.; and Baldi, Alfonso L., 3,824,122.
Baldi, Alfonso L., to Alloy Surfaces Co., Inc. Diffusion coating. 3,785,854, 1-15-74, Cl. 117-107.20p.
Baldi, Alfonso L., to Alloy Surfaces Co., Inc. Diffusion coating. 3,801,357, 4-2-74, Cl. 117-107.20p.
Baldi Nick A. Bumper mounted spare wheel carrier. 3,822,814, 7-9-74, Cl. 224-42.060.
Baldieri, Francesco; and Borgianni, Carlo, to Snam Progetti S.p.A. Solutions for the treatment of amorphous carbon or graphite manufactured articles for improving their resistance to oxidation. 3,814,699, 6-4-74, Cl. 252-297.000.
Baldocchi, Archie. Apparatus for treating rows of plants with overlapping branches. 3,785,564, 1-15-74, Cl. 239-172.000.
Baldocchi, Archie. Holster for pistols. 3,828,990, 8-13-74, Cl. 224-2.00c.
Baldrey, Robert Alexander; and Allen, Francis Edwin, to Leston and Burpee Ltd. Air strain mechanism for bandmill. 3,838,620, 10-1-74, Cl. 83-819.000.
Baldrige, John, Jr.; and Sobieski, John C., to General Electric Company. Photoflash lamp having non-shorting construction. 3,816,054, 6-11-74, Cl. 431-95.000.
Baldt Corporation: *See*—
Moren, Hugh G., Jr., 3,814,347.
Baldwin, Arnold Victor; and Johnson, Walter, Jr., to GAF Corporation. Clamp assembly for pressure vessel. 3,817,564, 6-18-74, Cl. 292-256.670.
Baldwin, Brian E., to Affiliated Hospital Products, Inc. Side loading disposable-capsule syringe. 3,848,593, 11-19-74, Cl. 128-218.0da.
Baldwin, D. H., Company: *See*—
Brean, John W.; and Mathevosian, Yervand, 3,839,663.
Bunger, David A., 3,789,718.
Bunger, David A., 3,801,721.
Bunger, David A., 3,822,407.
Bunger, David A., 3,842,182.
Campbell, Donald J., 3,787,601.
Harris, Michael R., 3,811,003.
Uetrecht, Dale M., 3,816,635.
Baldwin, Darwin Clark, Jr. Stockpile reclaiming apparatus. 3,804,229, 4-16-74, Cl. 198-36.000.
Baldwin, David John, to Sybron Corporation. Tank cleaning apparatus. 3,791,393, 2-12-74, Cl. 134-167.00r.
Baldwin, David Michael, to Perkin-Elmer Limited. Probe for gyromagnetic resonance spectroscopy. 3,805,883, 4-23-74, Cl. 165-26.000.
Baldwin, Edwin C.; and Wrenner, Warren R., to International Business Machines Corporation. Electron beam deflection control apparatus. 3,789,185, 1-29-74, Cl. 219-121.0eb.
Baldwin Electronics, Inc.: *See*—
Marks, William S., 3,838,925.
May, Paul L.; and Poe, Richard J., 3,815,125.
Wootton, Thomas S., 3,848,231.

Baldwin, Francis P.; and Malatesta, Alberto, to Esso Research and Engineering Company. Conjugated diene butyl. 3,816,371, 6-11-74, Cl. 260-79.50c.
Baldwin, Gary Lee, to Bell Telephone Laboratories, Incorporated. Analog to digital converter using a drift transistor. 3,786,493, 1-15-74, Cl. 340-347.0ad.
Baldwin, George D.: *See*—
Kay, Charles, 3,804,316.
Baldwin, Guy N. Rotary fluid motor. 3,846,987, 11-12-74, Cl. 60-690.000.
Baldwin, J. A., Manufacturing Company: *See*—
Baldwin, Jesse A., 3,837,495.
Baldwin, Jesse A., to Baldwin, J. A., Manufacturing Company. Liquid filters. 3,837,495, 9-24-74, Cl. 210-314.000.
Baldwin, John J.: *See*—
Novello, Frederick C.; and Baldwin, John J., 3,786,061.
Baldwin, John J.; and Novello, Frederick C., to Merck & Co., Inc. Tri-substituted imidazoles. 3,812,136, 5-21-74, Cl. 260-294.900.
Baldwin, John J.; and Novello, Frederick C., to Merck & Co. Inc. 2-Quinolyl-4(5)-trifluoromethylimidazoles. 3,818,014, 6-18-74, Cl. 260-288.00r.
Baldwin, John J.; and Novello, Frederick C., to Merck & Co., Inc. Tri-substituted imidazoles in the treatment of gout. 3,836,658, 9-17-74, Cl. 424-267.000.
Baldwin, John J.; and Novello, Frederick C., to Merck & Co., Inc. 2-(Pyridyl)-imidazole-4,5-dicarboxylic acid and derivatives. 3,852,292, 12-3-74, Cl. 260-295.00r.
Baldwin, Marshall Glenn; and Miles, Gilbert Dwayne, to Colgate-Palmolive Company. Bottle. 3,857,509, 12-31-74, Cl. 215-329.000.
Baldwin, Mart G.; and Gehlhaus, Paul H., to United States of America, Army, mesne. High energy acrylic prepolymer propellants of low sensitivity. 3,785,887, 1-15-74, Cl. 149-19.000.
Baldwin, Mart G.; and Beason, Lew R., to United States of America, Army. Solid composite propellants with very high burning rates. 3,791,891, 2-12-74, Cl. 149-19.000.
Baldwin, Mart G.; and Gehlhaus, Paul H., to United States of America, Army, mesne. High energy, low burning rate solid propellant compositions based on acrylic prepolymer binders. 3,804,683, 4-16-74, Cl. 149-19.500.
Baldwin, Mart G.; and Chaille, James L., to United States of America, Army, mesne. High burning rate NF propellants. 3,813,305, 5-28-74, Cl. 149-19.300.
Baldwin, Mart G.; and Reed, Samuel F., Jr., to United States of America, Army, mesne. Method for preparing hydroxy-terminated copolymers of butadiene and acrylate. 3,845,139, 10-29-74, Cl. 260-606.50b.
Baldwin, Mart G.; and Reed, Samuel F., Jr., to United States of America, Army. Hydroxy-terminated copolymers of butadiene and acrylates. 3,847,882, 11-12-74, Cl. 260-83.500.
Baldwin, Raymond C.: *See*—
Lasoff, Murray; Baldwin, Raymond C.; and Natanblut, Herman B., 3,821,735.
Baldwin, Richard F., to Clorox Company, The. Aerosol dispenser with actuator latching means. 3,837,537, 9-24-74, Cl. 222-153.000.
Baldwin, Richard H.; Burney, Donald E.; Towle, Philip H.; and Micklewright, Donald G., to Standard Oil Company. Trimellitic acid anhydride recovery from liquid phase oxidation of pseudocumene. 3,819,659, 6-25-74, Cl. 260-346.400.
Baldwin, Richard R.; and Rule, Bruce J., to Hewlett-Packard Company. Optical dilatometer. 3,788,746, 1-29-74, Cl. 356-106.000.
Baldwin, Richard R., to Hewlett-Packard Company. Interferometer system for measuring straightness and roll. 3,790,284, 2-5-74, Cl. 356-106.000.
Baldwin, Richard W.: *See*—
Funk, Paul M.; Legg, Billy J.; and Baldwin, Richard W., 3,819,585.
Baldwin, Roger A.; Bowerman, Paul D.; and Lucid, Michael F., to Kerr-McGee Chemical Corporation. Simultaneous recovery of vanadium and uranium from oxidezed wet process acid. 3,836,476, 9-17-74, Cl. 252-301.10r.
Baldwin, Willett F.; and Mullins, Lynn D., to Mobil Oil Corporation. Method and apparatus for detecting particulate material in flow stream. 3,816,773, 6-11-74, Cl. 310-8.100.
Baldwin, Willett F., to Mobil Oil Corporation. Sand detection probe. 3,841,144, 10-15-74, Cl. 73-61.00r.
Baldwin, William C. Retractable thru-hull drive system for boats. 3,807,347, 4-30-74, Cl. 115-41.00r.
Baldwin, William H.; and Clauss, Harry G., Jr., to Leeds & Northrup Company. Electrode assembly to determine the oxygen content of molten metal. 3,785,947, 1-15-74, Cl. 204-195.00s.
Baldwin, William S.; and Keeney, Kenneth W., to General Mills Chemicals, Inc. Methylation of tocopherols. 3,819,657, 6-25-74, Cl. 260-345.500.
Baldwin, Willis H.: *See*—
Seeley, Forest G.; and Baldwin, Willis H., 3,793,433.
Baldwin, Willis H., to United States of America, Atomic Energy Commission. Production of high purity halides. 3,821,356, 6-28-74, Cl. 423-250.000.
Baldwin-Gegenheimer Corporation: *See*—
Gegenheimer, Harold W.; and Stad, Andrew N., 3,838,864.
Gegenheimer, Harold W.; Siebein, Walter A.; and Hancock, George J., 3,848,529.
Baldy, Jean, to U.S. Philips Corporation. Method of manufacturing a piezoelectric element. 3,820,208, 6-28-74, Cl. 29-25.350.
Baldyga, Eugene P.; and Griesing, John E., to Monsanto Company. Supporting a thin walled bottle during capping. 3,812,646, 5-28-74, Cl. 53-42.000.
Baldyga, Henry; and McGoury, Thomas Elias. Silica gel flatting agent. 3,816,154, 6-11-74, Cl. 106-308.000.
Baldyga, Joseph W., to Diamond Die & Mold Co. Press pressure and closed position control. 3,791,191, 2-12-74, Cl. 72-431.000.
Baldyga, Joseph W., to Diamond Die & Mold Co. Terminal sensor. 3,795,962, 3-12-74, Cl. 29-203.00d.
Balentino, Frank, Jr., to National Can Corporation. Guide rail for a conveyor. 3,788,457, 1-29-74, Cl. 198-204.000.
Balepin, Alexandr Alexeevich; Bobolev, Alexandr Vasilievich; Buslaev, Jury Alexandrovich; Chagin, Vladimir Ivanovich; Emanuel, Nikolai Markovich; and Sergeev, Andrei Ivanovich. Method for preparing propylene oxide. 3,818,051, 6-18-74, Cl. 260-348.50v.
Bales, Emmett Robert, to American Standard Inc. Adjustable leg structure. 3,855,946, 12-24-74, Cl. 108-144.000.
Bales Jewelry, Inc.: *See*—
Thenot, Raymond, 3,826,003.
Bales, Russell C., Sr. Cylinder sleeve puller and inserter. 3,808,666, 5-7-74, Cl. 29-252.000.
Bales, Russell C., Sr. Thermally controlled water regulator. 3,844,476, 10-29-74, Cl. 236-12.00r.
Balevski, Anguel Tonchev; Nikolov, Ivan Dimov; Dimova, Vasilka Petrova; and Zadgorski, Stoyan Nedkov, to Institute Po Metaloznanie i Techno Logia Na Metalite. Zinc alloy containing nitrogen. 3,850,625, 11-26-74, Cl. 75-178.00r.
Balevsky, Anguel Tonchev; Nikolov, Ivan Dimov; Nenov, Dragan Iliev; and Momchilov, Emil Nikolov, to Nitm Pri Ban. Machine for casting under pressure. 3,788,790, 1-29-74, Cl. 425-242.000.
Balfanz, Glenn F., Jr. Lawn edging structure. 3,788,001, 1-29-74, Cl. 47-33.000.
Balfauf, Richard K.: *See*—
Leibowitz, Lawrence M.; Balfauf, Richard K.; and Street, Thomas T., 3,805,031.
Balfour, Adrian E.: *See*—
Dunlap, Robert B.; and Balfour, Adrian E., 3,832,111.
Balgalvis, Arnis, to Stop-Motion Devices Corporation. Control means for filament storage devices. 3,798,929, 3-26-74, Cl. 66-125.00r.
Balinski, Henry A., to United States Gypsum Company. Cargo restraining bar. 3,782,295, 1-1-74, Cl. 105-369.00b.
Balint, Gabriella, nee Berczi; Csonka, Lajos; Galambos, Gyorgy, Gomory, Pal; Kelen, Tibor; Nagy, Ferenc; Szerencz, Janos; and Tudos, Ferenc, to Intercooperation Kereskedelemfejlesztesi Rt. Aluminum salts of esters as stabilizing agents for chlorinated vinyl polymers. 3,833,631, 9-3-74, Cl. 260-448.00r.
Balint, Istvan; and Baumann, Sandor, to Licencia Talalmanyokat Ertekesito Vallalat. High-safety complex lift with electronic collective control. 3,820,625, 6-28-74, Cl. 187-24.00r.
Balint, Valer: *See*—
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Balintfy, Joseph L. Diet computer. 3,801,778, 4-2-74, Cl. 235-124.000.
Balk, Hermann, to Reifenhauser KG. Apparatus for spinning synthetic-resin filaments. 3,824,050, 7-16-74, Cl. 425-72.000.
Balke, Roy Leonard, and Cipriani, Domenico, to General Electric Company. Channel shaped laminated high temperature slot wedge for dynamoelectric machines. 3,852,137, 12-3-74, Cl. 156-196.000.
Balkhanova, Galina Fedorovna: *See*—
Kachlova, Revekka Vulfovna; Nemtsov, Mark Semenovich; Balkhanova, Galina Fedorovna; Bychkovskaya, Ljudmila Nikolaevna; Mescherskaya, Vera Mikhailovna; and Rabinovich, Sofya Petrovna, 3,846,338.
Balko, Jack E.; Moffatt, Davis F.; and Searcy, Durward F., to Specialty Instruments Corporation. Photo finish record system. 3,829,869, 8-13-74, Cl. 95-1.100.
Ball, Allan: *See*—
Ross, Hugh MacDonald, and Ball, Allan, 3,784,153.
Ball Brothers Research Corporation. *See*—
Bancroft, James R.; Cleavinger, Richard L.; and Hall, James M., 3,784,829.
Bartoe, Otto E., Jr., 3,807,663.
Bucher, Hans R.; and Wartburg, David H., 3,814,849.
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Krutsinger, Jack K.; Bullai, Carl N.; and Munson, Robert E., 3,810,183.
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Ball Brothers Service Corporation: *See*—
Zappia, Anthony T., 3,857,690.
Ball, Charles W.; and Brodsky, Alexander. Combination spade or shovel and sifter. 3,851,763, 12-3-74, Cl. 209-419.000.

Ball Corporation: *See—*
Bitner, Jay A., 3,805,821.
Cook, Charles W., 3,783,992.
Cook, Charles W., 3,785,473.
Lind, Archie L., 3,790,022.
Mahoney, William P., 3,789,628.
Scholes, Addison B.; and Kozlowski, Joseph J., 3,819,404.
Steele, Fred W.; and Sannella, Joseph L., 3,850,634.
Van Oosterhout, Jack T., 3,800,300.
Ball, Donald F., to Keep Rite Products Limited. Sliding window filler unit for air conditioners. 3,844,204, 10-29-74, Cl. 98-94.000.
Ball, Edmund Hugh; and McConnell, James, to Pirelli General Cable Works Limited. Electrical connectors. 3,816,817, 6-11-74, Cl. 339-97.00p.
Ball, Eric, to Dunlop Holdings Limited. Hose pipes. 3,817,288, 6-18-74, Cl. 138-125.000.
Ball, Frank J., to Westvaco Corporation. Method for removing sulfur dioxide from waste gases and recovering a concentrated stream of sulfurdioxide. 3,789,110, 1-29-74, Cl. 423-539.000.
Ball, Frank W.; and Howard, Harold L., to General Motors Corporation. Throttle override controlled by a vacuum boosted power brake system. 3,792,761, 2-19-74, Cl. 192-3.00m.
Ball, Frank W.; and Howard, Harold L., to General Motors Corporation. Throttle override controlled by a vacuum boosted power braking system. 3,792,762, 2-19-74, Cl. 192-3.00m.
Ball, Geoffrey William. Mass filter electrode and support structure. 3,840,742, 10-8-74, Cl. 250-292.000.
Ball, Graham John; and Fehr, Ivor John Martin, to Vickers Limited. Medical face masks. 3,850,171, 11-26-74, Cl. 128-203.000.
Ball, Harry; and Steward, Henry A., to Technical Fabricators, Inc. Rotary filter apparatus. 3,791,527, 2-12-74, Cl. 210-387.000.
Ball, Harry. Method for making filter cartridges. 3,804,934, 4-16-74, Cl. 264-70.000.
Ball, Harry; and Steward, Henry A., to Technical Fabricators, Inc. Rotary filter apparatus having means for controlling the level of filtrate. 3,826,370, 7-30-74, Cl. 210-109.000.
Ball, James H., to Minnesota Mining and Manufacturing Company. Mounting means for thermal switches. 3,827,015, 7-30-74, Cl. 337-414.000.
Ball, John Robin, to Post Office, The. Digital signal regenerators. 3,820,034, 6-25-74, Cl. 328-164.000.
Ball, Newton E.: *See—*
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Ball, Peter William: *See—*
Scott, Kenneth Thomas Bartlett; Grimes, John Herbert; and Ball, Peter William, 3,804,945.
Ball, Richard B.; Gurler, Tuygan; Clement, Carl J., and Horine, David A. Hand held teaching machine. 3,834,041, 9-10-74, Cl. 35-9.00a.
Ball, Richard Blatchford, to Enrich. Apparatus for displaying a graphic message. 3,798,812, 3-26-74, Cl. 40-78.030
Ball, Russell M., to Babcock & Wilcox Company, The. Nuclear reactor control system. 3,793,141, 2-19-74, Cl. 176-36.00r.
Ball, William John, to BP Chemicals International Limited. Catalyst composition. 3,830,754, 8-20-74, Cl. 252-456.000.
Balla, Laszlo: *See—*
Blickle, Tibor; Balla, Laszlo; and Bacs, Laszlo, 3,796,788.
Ballagny, Alain; and Commissariat a l'Energie Atomique. Fuel element for a nuclear reactor. 3,808,099, 4-30-74, Cl. 176-73.000.
Ballamy, Leslie Mark. Crank-driven reciprocating mechanisms. 3,835,716, 9-17-74, Cl. 74-40.000.
Ballance, John B.; Matas, Stephen J.; and Kundig, Konrad J. A., to Republic Steel Corporation. Low carbon high strength steel. 3,783,040, 1-1-74, Cl. 148-36.000.
Balland, Jean, to Manufacture de Produits Chimiques Protex. Concentrated and stable salt compositions of epoxypropylammonium salts. 3,853,460, 12-10-74, Cl. 8-84.000.
Balland, Jean, to Societe dite: Manufacture de Produits Ch niques PROTEX Societe francaise a Responsabilite Limitee Siege Social. Process for dyeing of polyacrylonitrile fibers. 3,854,872, 12-17-74, Cl. 8-169.000.
Ballantyne, David B., to General Motors Corporation. Method of making extruded panel and nut assembly. 3,824,675, 7-23-74, Cl. 29-445.000.
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Brown, Ilo M., 3,817,611.
Ballard, Billy G.: *See—*
Harrell, John W.; Patton, Bobbie J.; and Ballard, Billy G., 3,821,696.
Ballard, Denis George Harold; Jones, Eric; Pioli, Alexander Joseph Peter, Robinson, Peter Anthony; and Wyatt, Ronald John, to Imperial Chemical Industries Limited. Polymerisation process. 3,840,508, 10-8-74, Cl. 260-88.20r.
Ballard, Denis George Harold; Robinson, Peter Anthony; Wyatt, Ronald John; Jones, Eric; and Pioli, Alexander Joseph, to Imperial Chemical Industries Limited. Diene polymerisation. 3,840,511, 10-8-74, Cl. 260-94.300.
Ballard, Donnell A.: *See—*
Denigan, Edward P., Jr.; and Ballard, Donnell A., 3,835,930.
Ballard, James L., to General Electric Company. Air conditioning system including indoor fan speed control. 3,785,433, 1-15-74, Cl. 165-27.000.
Ballard, James L., to General Electric Company. Locking and sealing system for room air conditioners. 3,838,579, 10-1-74, Cl. 62-262.000.
Ballard, James L., to General Electric Company. Air conditioning chassis grounding system. 3,838,580, 10-1-74, Cl. 62-262.000.
Ballard, Neiland H., to Graham, M. H., Corporation. Coffee maker. 3,856,435, 12-24-74, Cl. 417-158.000.
Ballard, Norman Edmund, to Rolls-Royce (1971) Limited. Method of applying a coating to a part. 3,787,305, 1-22-74, Cl. 204-181.000.
Ballas, George C.: *See—*
Ballas, George C.; and Geist, Thomas N. (said Geist assor. to said), 3,826,068.
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Balle, Gerhard; Himmelmann, Wolfgang; Ernst, Otto; and Nittel, Fritz, to Agfa-Gevaert Aktiengesellschaft. Gelatin-containing photographic layers having improved physical properties. 3,791,857, 2-12-74, Cl. 117-161.0kp.
Ballentine, Earle W. Method for thawing frozen food. 3,796,804, 3-12-74, Cl. 426-524.000.
Ballentine, Willard, to Palmer Concrete Products, Inc. Adapter. 3,797,865, 3-19-74, Cl. 285-175.000.
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Ballew, Julius R. Retrievable earth anchor. 3,803,782, 4-16-74, Cl. 52-161.000.
Ballew, Julius R. Foundation earth anchor. 3,803,783, 4-16-74, Cl. 52-161.000.
Balliett, Robert Wayne, to St. Joe Minerals Corporation. High strength zinc alloys. 3,850,622, 11-26-74, Cl. 75-175.0am.
Ballin, Gene. Opener for disposable closure. 3,782,578, 1-1-74, Cl. 215-46.00a.
Ballin, Gene. Separable interlocking fasteners and method of making them. 3,829,938, 8-20-74, Cl. 24-201.00c.
Balling, T. Thomas; and Mahlmann, James P., to General Foods Corporation. Modification of aqueous coffee aroma. 3,810,999, 5-14-74, Cl. 426-362.000.
Ballinger, Dale O., to Honeywell Inc. Apparatus for orienting magnetic particles having a fixed and varying magnetic field component. 3,845,499, 10-29-74, Cl. 360-56.000.
Ballinger, Forrest H.; Heggestad, Robert E.; and Olmsted, Leland W., to Harmon Industries, Inc. Presence detector having automatic digital tuning. 3,820,100, 6-25-74, Cl. 340-258.00c.
Ballinger, Forrest H.; Farnham, Wilfred L., Jr.; and Heggestad, Robert E., to Harmon Industries, Inc. Digital motion detector. 3,838,270, 9-24-74, Cl. 246-130.000.
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Ballman, Albert Anthony; and Tien, Ping King. Optical waveguiding devices using monocrystalline materials of the sillenite family of dismuth oxides. 3,810,688, 5-14-74, Cl. 350-96.0wg.
Ballman, Gray C. Time responsive starting switches. 3,819,994, 6-25-74, Cl. 318-221.00e.
Ballman, Gray C. Time responsive starting switches. 3,819,995, 6-25-74, Cl. 318-221.00c.
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Ballou, Richard P., to General Motors Corporation. Garnish button assembly. 3,790,199, 2-5-74, Cl. 292-336.300.
Balls, Dean M., to Dow Chemical Company, The. Preparation of symmetrical 4-(dialkylamino) phenols. 3,845,063, 10-29-74, Cl. 260-293.840.
Balls, Emmett R.; and Estes, Clarence F., Jr., to American Standard Inc. Tiltable table structure. 3,796,169, 3-12-74, Cl. 108-116.000.
Ballu, Louis, to Pneumatiques Caoutchouc Manufacture et Plastiques Kleber-Colombes. Floating anti-pollution barrier device. 3,811,285, 5-21-74, Cl. 61-1.00f.

Ballu, Louis, to Kleber-Colombes. Floating anti-pollution device. 3,852,964, 12-10-74, Cl. 61-1.00f.
Balluff, Robert N., to Tenneco Inc. Catalytic converter for exhaust gases. 3,798,006, 3-19-74, Cl. 23-288.00f.
Balluff, Robert N.; and Stormont, James D., to Tenneco Inc. Downflow catalytic converter for engine exhaust gases. 3,809,539, 5-7-74, Cl. 23-288.00f.
Balluff, Robert N., to Tenneco Inc. Louvered catalytic converter for purifying exhaust gases. 3,840,346, 10-8-74, Cl. 23-288.00f.
Ballweber, Duane C. Frame anchor hook device. 3,818,750, 6-25-74, Cl. 72-476.000.
Bally Manufacturing Corporation: *See—*
Foster, Colin E.; and Lally, Joseph E., 3,826,883.
Balm Paints, Limited: *See—*
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Gillan, John; and Kershaw, Robert William, 3,822,224.
Kershaw, Robert William; and Lubbock, Frederick John, 3,839,253.
Balme, Maurice; and Rollet, Bernard, to Rhone-Poulenc S.A. Purification of azo- and azoxybenzene 3,3',4,4-tetracarboxylic acid with dioxane and complexes thereof. 3,808,193, 4-30-74, Cl. 260-143.000.
Balme, Maurice; Gattus, Jean; and Gerard, Bernard, to Rhone-Poulenc S.A. Epoxy resin compositions. 3,839,493, 10-1-74, Cl. 260-83.00p.
Balme, Maurice; Gattus, Jean; and Gerard, Bernard, to Rhone-Poulenc S.A. Heat-stable polymers based on bis-imides and oligomeric amines. 3,840,495, 10-8-74, Cl. 260-65.000.
Balmer, Oskar: *See—*
Focke, Heinz; and Balmer, Oskar, 3,850,281.
Balocca, Alfred Edward; Brincks, Richard Joseph; and Scott, James Edwin, Jr., to American Can Company. End closure for an easy opening resealable container. 3,804,287, 4-16-74, Cl. 220-27.000.
Balogh, Roy, to McCabe-Powers Body Company. Control system for a derrick. 3,788,425, 1-29-74, Cl. 182-148.000.
Balogh, Roy, to McCabe-Powers Body Company. Control system for an aerial device. 3,844,378, 10-29-74, Cl. 182-141.000.
Balogh, Tibor: *See—*
Mago, Erzsebet; Balogh, Tibor; Borsi, Jozsef; Bajusz, Sandor; Moravcsik, Imre; Elek, Sandor; Polgari, Istvan; and Lowinger, Laszlo, 3,822,268.
Balon, Walter J., to Du Pont de Nemours, E. I., and Company. One-step process of preparing azo dyes by simultaneous diazotization and coupling at low pH. 3,793,305, 2-19-74, Cl. 260-154.000.
Balquist, James M.: *See—*
Degginger, Edward R.; and Balquist, James M., 3,830,854.
Balsacq, Guy. Anti-fouling polyester resin. 3,856,743, 12-24-74, Cl. 260-40.00r.
Balshaugh Laboratories, Inc.: *See—*
Gross, T.A.O., 3,806,798.
Balsiger, Melvin M.: *See—*
Baker, Thompson A.; Balsiger, Melvin M., Considine, Kevin T., and Litsjo, Herbert E., 3,809,899.
Stock, W. Riley; Balsiger, Melvin M.; and Beran, William G., 3,809,888.
Balson, John E. Dental matrix band and clamp. 3,829,975, 8-20-74, Cl. 32-63.000.
Baltes, Hans. Method and drying closet for drying laundry and the like. 3,811,198, 5-21-74, Cl. 34-24.000.
Baltimore Aircoil Company, Inc.: *See—*
Bradley, Wilson E., Jr.; and Schinner, Edward N., 3,785,626.
Engalitcheff, John, Jr., 3,785,625.
Engalitcheff, John, Jr., 3,800,553.
Engalitcheff, John, Jr.; Bradley, Wilson E., Jr.; and Schinner, Edward N., 3,807,145.
Morris, John Henry, 3,844,682.
Baltimore Aircoil Company, Inc., mesne: *See—*
Engalitcheff, John, Jr.; Facius, Thomas F.; Bradley, Wilson E., Jr.; and Anderson, Axel F. L., 3,784,171.
Engalitcheff, John, Jr., 3,794,306.
Engalitcheff, John, Jr.; Facius, Thomas F.; and Bradley, Wilson E., Jr., 3,804,389.
Baltimore and Ohio Railroad Company, The: *See—*
Christian, Frank Gordon, Jr., 3,783,798.
James, William R.; and Hardy, Charles J., 3,843,185.
Schmidt, Joseph J., 3,812,325.
Baltimore Brushes, Inc.: *See—*
Campbell, Richard A., 3,798,833.
Baltimore Paint & Chemical Corporation: *See—*
Currie, Adam, 3,802,396.
Baltrush, John: *See—*
Zajac, Chester; and Baltrush, John, 3,801,795.
Baltz, Albert L.; and Voeke, Elmer E., to Eagle Range and Manufacturing Company. Runner construction for oven rack. 3,789,826, 2-5-74, Cl. 126-33.900.
Baltz, Robert J. Grating panel. 3,807,115, 4-30-74, Cl. 52-581.000.
Balwe, Thomas: *See—*
Gabriel, Richard; Balwe, Thomas; Bauer, Johann; Fendel, Kurt; and Kaczerofsky, Rupert, 3,842,055.
Kurz, Kieter; Bauer, Johann; Balwe, Thomas; Fendel, Kürt; and Sabel, Alex, 3,855,190.
Balwe, Thomas; Bauer, Johann; Fendel, Kurt; Kurz, Dieter; and Sabel, Alex, to Wacker-Chemie GmbH. Process for suspension polymerization of vinyl chloride with low polymer deposition. 3,817,959, 6-18-74, Cl. 260-87.100.
Balwe, Thomas; Bauer, Johann; and Schleberger, Franz, to Wacker-Chemie GmbH. Suspension polymerization of vinyl chloride. 3,817,963, 6-18-74, Cl. 260-92.80w.
Balyasinsky, Valery Ottovich: *See—*
Tolstov, Jury Georgievich; Skorovarov, Vladimir Efremovich, Grinshtein, Boris Ilich; Stepanova, Valentina Gavrilovna; Bashkatov, Ivan Pavlovich; Vinitsky, Jury Danilovich; Balyasinsky, Valery Ottovich; and Shmusrov, Valery Pavlovich, 3,848,156.
Balz, Gunther W., and Leipold, Forrest P., to Roto-Finish Company. Method and apparatus for manufacture of solid abrasive chips. 3,808,744, 5-7-74, Cl. 51-3.000.
Balz, Rudolf. Control apparatus for a machine for stacking boards or the like. 3,793,568, 2-19-74, Cl. 317-157.000.
Balz, Werner: *See—*
Roller, Hermann; Stritzinger, Heinz; Hartmann, Job-Werner, Falk, Roland; and Balz, Werner, 3,836,395.
Uhl, Karl; Schnell, Georg; Hartmann, Job-Werner; Stritzinger, Heinz, Balz, Werner; and Pruegl, Rainer, 3,793,074
Balzer & Droll KG: *See—*
Muskulus, Willi; and Kramer, Willi, 3,811,630.
Balzer, Claude P.; Corman, Edward M.; Reiff, Almer A.; and Henry, Michael- D., to Balco, Inc. Expansion joint cover assembly 3,849,958, 11-26-74, Cl. 52-396.000.
Balzer, Daniel Lee; and Lake, Ralph Jones, Jr., to RCA Corporation. Storage system for two phase fluids. 3,854,905, 12-17-74, Cl. 55-159.000.
Balzer, David John: *See—*
Boggs, Roger L.; Balzer, David John, and Haslett, Melvin, 3,823,989.
Boggs, Roger L.; Balzer, David John; and Haslett, Glenn Melvin, 3,831,240.
Balzer, Hans: *See—*
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Balzer, Norbert R.; and Enk, Larry G., to Park-Ohio Industries, Inc. Inductor for inductively heating a rotating workpiece 3,824,367, 7-17-74, Cl. 219-10.790.
Balzer, Winton E.; and Knobel, Kenneth M. Apparatus for heat-sealing packages. 3,823,054, 7-9-74, Cl. 156-530.000.
Balzers Patent- und Beteiligungs-Aktiengesellschaft: *See—*
Bellmann, Otto, 3,799,110.
Kunz, Anton, 3,853,740.
Rheinberger, Peter, 3,837,884.
Ritter, Elmar; and Pulker, Hans K., 3,853,386
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Thelen Alfred, 3,829,197.
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Wagner, Rudolf; and Schertler, Roman, 3,787,312.
Wagner, Rudolf, 3,818,982.
Wille, Baptist, 3,783,010.
Bamba, Yasuo; and Iwamoto, Masao, to Toray Industries, Inc. Photosensitive polyamide compositions. 3,832,188, 8-27-74, Cl. 96-115.00p.
Bambara, Joseph E.; and Pellegrino, Gustave, Jr., to Maurer Commercial Products, Inc. Electrical detenting apparatus. 3,854,080, 12-10-74, Cl. 318-436.000.
Bamber, Derek Robert: *See—*
Crossley, Ian Alexander; Kirk, Geoffrey Eric; Anthony, Norman Howell; and Bamber, Derek Robert, 3,843,279.
Bamberg, Peter; and Sjoberg, Enhorna Berndt Olof Harald, to Astra Lakemedel Aktiebolag. Stereoselective preparation of L-dopa and L-M-tyrosine and novel compounds. 3,838,008, 9-24-74, Cl. 195-29.000.
Bamberg, Walter H., and O'Neil, James A., to Cryogenic Technology, Inc. Temperature-staged cryogenic apparatus of stepped configuration with adjustable piston stroke. 3,802,211, 4-9-74, Cl. 62-6.000.
Bamburg, Robert A.; Duncan, Farris N., and Floyd, Roger M., to Olinkraft, Inc. Bulk material container with pouring spout 3,791,562, 2-12-74, Cl. 222-528.000.
Bamburg, Robert A.; Duncan, Farris N.; and Floyd, Roger M., to Olinkraft, Inc. Self-locking tamperproof container. 3,826,420 7-30-74, Cl. 229-45.000.
Bamford, Michael A. T., to Flextrac Nodwell Ltd. Tundra track for a tracked vehicle. 3,815,817, 6-11-74, Cl. 238-10.00r.
Ban, Akos; Nagy, Sandor; and Balint, Valer, to Koolajes Gazipari Tervezo Vallalat. Method for improvement of petroleum output particularly from storage strata containing concomitantly petroleum. 3,795,277, 3-5-74, Cl. 166-265.000.
Ban, Itsuki. Record track indicator apparatus for a multitrack tape player. 3,827,082, 7-30-74, Cl. 360-106.000
Ban, Kaoru: *See—*
Shimoda, Keitaro; Soda, Keiichi; Ban, Kaoru, and Nabeya, Koji, 3,807,917.
Ban, Mikichi: *See—*
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Ban, Thomas E., to McDowell-Wellman Engineering Company. Process for coal gasification. 3,787,192, 1-22-74, Cl. 48-202.000.

Ban, Thomas E., to McDowell-Wellman Engineering Company. Process for the production of crude ferronickel. 3,849,113, 11-19-74, Cl. 75-3.000.

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Banach, Frank G.: *See*—
Baker, Roy F.; Banach, Frank G.; Rypkema, Jouke N.; and Skerlos, Peter C., 3,808,541.

Banach, Frank G., to Zenith Radio Corporation. Remotely controllable tuning system for television tuners. 3,854,123, 12-10-74, Cl. 340-171.00r

Banachowski, Stanley: *See*—
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Banba, Toshitugu: *See*—
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Bancel, Guy. Pulley device adapted for use in a ski tow installation. 3,805,706, 4-23-74, Cl. 104-197.000.

Banchi, Natale. Swimming pool. 3,846,850, 11-12-74, Cl. 4-172.190.

Bancock, Guy L.: *See*—
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Bancroft Cap Company: *See*—
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Bancroft, James R., Cleavinger, Richard L.; and Hall, James M., to Ball Brothers Research Corporation. Radiant energy selection means. 3,784,829, 1-8-74, Cl. 250-203.0et

Bancroft, Joseph, & Sons Company. *See*—
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Band, Ian T.; and MacLeod, Kenneth J., to Hewlett-Packard Company. Time multiplexed rate multiplier. 3,826,901, 7-30-74, Cl. 235-150.300.

Band-It Company. *See*—
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Bandag Incorporated. *See*—
Meserve, Forrest Clayton, and Raabe, Ralph Christian, Jr., 3,820,580.

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Bando America Inc.: *See*—
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Bando Kiko Co., Ltd. *See*—
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Bando, Satoshi, Hara, Kazuo, Yoshitake, Toshihiko, and Tasaka, Takeo, to Kuraray Co., Ltd. Low shrinkage unsaturated polyester resin compositions containing graft copolymers. 3,852,376, 12-3-74, Cl. 260-862.000.

Bando, Seiisaku. *See*—
Ogawa, Heisuke; Yamamoto, Mitsuo; Bando, Seisaku; and Baba, Osami, 3,786,407.

Bando, Shigeru, to Bando Kiko Co., Ltd. Glass plate edge grinding machine. 3,841,027, 10-15-74, Cl. 51-110.000.

Bando, Sigeru, to Bando Kiko Co., Ltd. Spindle support assembly in a glass plate edge grinding machine. 3,813,826, 6-4-74, Cl. 51-168.000

Bando, Yasuo. *See*—
Yamada, Keisho, Umemura, Sumio, Ohdan, Kyoji; Hidaka, Mikio, Bando, Yasuo, Fukuda, Kazuo, and Sawazi, Masao, 3,787,334.

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Bandoch, Rudolf, and Sodomka, Karel, to Vyzkumny a vyvojovy ustav Zavodu vseobecneho strojirenstvi. Adjustable stitch cam. 3,854,305, 12-17-74, Cl. 66-54.000.

Bandoo, Tadaaki, Murakami, Masaaki, Hirai, Koji, and Tsutsui, Shigeyoshi, to Hitachi, Ltd. Memory protection system. 3,803,559, 4-9-74, Cl. 340-172.500

Bandrowski, James F. Ski construction. 3,790,184, 2-5-74, Cl. 280-11.13j

Banducci, Raffaele. *See*—
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Bandurco, Victor. *See*—
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Bandy, Leon D. Tethered ball and resilient covering for both right and left hands. 3,843,126, 10-22-74, Cl. 273-95.00a

Bandyopadhyay, Bhaskar, Bruen, Charles P., and Wamser, Christian A., to Allied Chemical Corporation. Recovery of sulfur and metal values from sulfur bearing minerals. 3,821,355, 6-28-74, Cl. 423-139.000.

Bane, Lars Olof, to AB Volvo Penta. Collapsible vehicle-steering systems. 3,791,233, 2-12-74, Cl. 74-492.000

Banerjea, Tara N.: *See*—
Schwartz, Robert B., Banerjea, Tara N., and Stinson, Donald B., Jr., 3,826,050.

Banerjee, Bani; Black, Sigmund; and Gangal, Mukund, to Lee-Norse Company. Pins for mine and tunnel roofs and other structures. 3,832,930, 9-3-74, Cl. 85-30.000.

Banfi, Dezso: *See*—
Mlinko, Sandor; Banfi, Dezso; Dobis, Emilia; Ottinger, Jozsef; Payer, Karoly; Palagyi, Tivadar; and Turi, Agnes, 3,832,137.

Bang and Olufsen A/S: *See*—
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Bangs, Leigh B.: *See*—
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Bangs, Leigh B.; Huml, James O.; and Layne, Gilbert S., to Dow Chemical Company, The. Corrosion resistant frozen wall. 3,784,371, 1-8-74, Cl. 75-68.00r.

Banham, John Anthony. Door fastening units. 3,788,679, 1-29-74, Cl. 292-40.000.

Banhidy, Janos: *See*—
Szabo, Katalin, nee Mogyorosi; Banhidy, Janos; Lazar, Ferenc; and Ormossy, Miklos, 3,853,535.

Banholzer, Rolf: *See*—
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Baniel, Avraham M.: *See*—
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Banik, Upendra K., to American Home Products Corporation. Method for inducing menses. 3,816,617, 6-11-74, Cl. 424-100.000.

Banike, Ronald A., to Integral Process Systems, Inc. Refrigerating apparatus. 3,818,719, 6-25-74, Cl. 62-374.000.

Banike, Ronald A., to Hollymatic Corporation, mesne. Self-cleaning valve for refrigerating apparatus. 3,848,624, 11-19-74, Cl. 137-242.000.

Banikiotes, Gregory C., Meisler, Joseph, and Van Bausch, Edward H., to Hydrocarbon Research, Inc. Cryogenic purification of hydrodealkylation and refinery hydrogen off-gas streams. 3,796,059, 3-12-74, Cl. 62-23.000

Banikiotes, Gregory C.; and Van Baush, Edward H., to Hydrocarbon Research, Inc. Cryogenic hydrogen adsorption system. 3,839,847, 10-8-74, Cl. 55-58.000.

Banis, Peter A.: *See*—
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Banjavich, Mark P., Morrissey, George R., and Gaudiano, Anthony V., to Taylor Diving & Salvage Co., Inc. Method and apparatus for working on submerged pipeline means. 3,785,160, 1-15-74, Cl. 61-72.300

Banjavich, Mark P., and Gaudiano, Anthony V., to Taylor Diving & Salvage Co., Inc. Closed circuit, free-flow underwater breathing system. 3,802,427, 4-9-74, Cl. 128-142.300.

Banjavich, Mark P., to Taylor Diving & Salvage Co., Inc. Methods for cutting and raising submerged masses. 3,845,893, 11-5-74, Cl. 225-1.000.

Bank of Montreal, mesne: *See*—
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Bank of New York, N.Y., The, mesne: *See*—
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Banker, Louis C. Fish-releasing fish hook. 3,827,174, 8-6-74, Cl. 43-43.160

Banko, Anton, to Surgical Design Corporation. Ultrasonic surgical sinstrument. 3,805,787, 4-23-74, Cl. 128-276.000.

Banko, Anton, to Surgical Design Corporation. System for controlling fluid and suction pressure. 3,812,855, 5-28-74, Cl. 128-276.000

Banko, Anton. Surgical instruments. 3,844,272, 10-29-74, Cl. 128-2.00b

Banks, Bobby R., and Graham, Arthur E., to International Business Machines Corporation. Method for providing a heater roll fuser with improved release material. 3,810,776, 5-14-74, Cl. 117-21.000

Banks, Bruce A. *See*—
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Banks, Bruce A., to United States of America, National Aeronautics and Space Administration. Electromagnetic flow rate meter. 3,802,262, 4-9-74, Cl. 73-194.0em

Banks, Charles T.: *See*—
Caple, Ira; Banks, Charles T.; and Voss, Jorg F., 3,799,468.

Banks, Duane G. Photographic processing apparatus. 3,792,651, 2-19-74, Cl. 354-340.000.

Banks, James R. Signal source. 3,808,465, 4-30-74, Cl. 307-252.000.

Banks, Jon F., to Brown & Williamson Tobacco Corporation. Deposition of menthol on tobacco. 3,800,806, 4-2-74, Cl. 131-144.000.

Banks, Michael E.; Lusk, Walter D.; and Ottinger, Robert S., to United States of America, Health, Education and Welfare. Disposal of waste plastic and recovery of valuable products therefrom. 3,829,558, 8-13-74, Cl. 423-481.000.

Banks, Neill K., Jr., to Bomco, Incorporated. Process for producing molybdenum cup wares having thin internally tapered sidewalls. 3,804,045, 4-16-74, Cl. 113-120.00h.

Banks, Neill K., Jr., to Bomco, Incorporated. Acoustic damping structures. 3,851,724, 12-3-74, Cl. 181-33.00g.

Banks, Robert L. Selective olefin disproportionation and the use thereof to produce high octane gasolines. 3,785,956, 1-15-74, Cl. 208-93.000.

Banks, Robert L., to Phillips Petroleum Company. Multi-stage cleavage of olefins to produce high octane gasoline. 3,785,957, 1-15-74, Cl. 208-49.000.

Banks, Roger W.: *See*—
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Banks, Ronald Eric; and Haszeldine, Robert Neville, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Polyfluoropolymers. 3,812,206, 5-21-74, Cl. 260-890.000.

Banks, William: *See*—
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Banks, William P.: *See*—
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Banner, Alvin D.: *See*—
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Banner, Aubrey Edward, to Associated Electrical Industries Limited. Means for producing electrical marker pulses. 3,803,410, 4-9-74, Cl. 250-299.000.

Banner Industries, Inc.: *See*—
Bryson, Wilmer G., Jr.; Lyle, Donald D.; and Wilda, Jack S., 3,787,035.

Banner, Philip M. Mechanical trim tab means for marine craft. 3,783,817, 1-8-74, Cl. 114-66.50p.

Banner, Philip M. Fishing rod holder means. 3,802,112, 4-9-74, Cl. 43-21.200.

Banner, Philip M. Tide and time calculating device. 3,825,181, 7-23-74, Cl. 235-88.000.

Banner, Philip M. Magnetic compass corrector means. 3,848,455, 11-19-74, Cl. 73-1.00e.

Banner, Philip M. Polarity testing adaptor means. 3,851,243, 11-26-74, Cl. 324-51.000

Banner, Philip Michael. Engine liquid flow indicating device. 3,793,997, 2-26-74, Cl. 123-41.150

Banner, Philip Michael. Emergency fire exit means. 3,847,246, 11-12-74, Cl. 182-78.000.

Banner Welder, Inc.: *See*—
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Bannies, Hans E., to Plummer, Walter A. Coupling assembly for shielded tubular jacketing. 3,784,730, 1-8-74, Cl. 174-75.00c.

Bannies, Hans E., to Plummer, Walter A. Seam operating tool. 3,808,665, 5-7-74, Cl. 29-243.500.

Banning, Harmon W., to Alford, Andrew. Slotted line with matched feed detector. 3,796,949, 3-12-74, Cl. 324-58.00b.

Bannister, Brian, to Upjohn Company, The. Derivatives of lincomycin and its analogs and process. 3,790,560, 2-5-74, Cl. 260-210.00r.

Bannister, Patricia A. Method and equipment for sewing. 3,824,628, 7-23-74, Cl. 2-243.00r.

Banque pour l'Expansion Industrielle Banexi: *See*—
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Bansemir, Robert H.: *See*—
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Bantel, Otto: *See*—
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Bantz, Walter J.; Couture, John W.; and Pittaro, Richard J., to Krautkramer-Branson, Incorporated. Method and apparatus for measuring the velocity of sound in a workpiece. 3,848,460, 11-19-74, Cl. 73-67.50r.

Banucci, Eugene G., to General Electric Company. Bis(3-chloro-4-hydroxyphenyl) malononitrile. 3,810,933, 5-14-74, Cl. 260-465.00f.

Banush, Russell S.: *See*—
Othalek, Joseph V.; and Banush, Russell S., 3,791,877.

Banyai, Albert. Centrifugal pump structure. 3,809,491, 5-7-74, Cl. 415-88.000.

Banyas, John D.; and Ross, Edward A., to Owens-Illinois, Inc. Burner apparatus for forming a finish on a glass container. 3,790,087, 2-5-74, Cl. 239-418.000.

Banyas, John D.; and Wallington, Frederick L., to Owens-Illinois, Inc. Container handling apparatus. 3,841,687, 10-15-74, Cl. 294-64.00r.

Banyaszati Kutato Intezet: *See*—
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Banyaszati Kutato Intezet, Varpalotai Szenbanyak and Orszagos Banyagepgyarto Vallalat: *See*—
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Banyu Pharmaceutical Co., Ltd.: *See*—
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Banziger, Thomas: *See*—
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Banziger, Walter: *See*—
Cogar, George R.; Sekse, Torkjell, Banziger, Walter, Ming, Joseph W.; and Horvath, Laszlo, 3,807,614.

Baptista, John: *See*—
Ty, Henry; and Baptista, John, 3,838,986.

Bar, Hans. Warp end tying machine. 3,813,742, 6-4-74, Cl. 28-49.000.

Bar, Hugo, to Deutsche Nemectron Gesellschaft m.b.H. Apparatus for dermatological treatment with a steam-ozone mixture. 3,815,595, 6-11-74, Cl. 128-184.000.

Bar-O-Matic Sales Co.: *See*—
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Bara, Edwin S., to Warwick Electronics Inc. Two directional tape cassette player. 3,797,780, 3-19-74, Cl. 242-100.000.

Barabas, Andrew, to Castro Convertible Corporation. Dutton assembling device and method. 3,789,496, 2-5-74, Cl. 29-453.000.

Barabas, Eugene S., to GAF Corporation. Alkyl acrylate-crotonic acid-poly vinyl lactam graft copolymers. 3,819,559, 6-25-74, Cl. 260-29.6wb.

Barabas, Zoltan, to Gabonalermesztesi Kutato Inlezet. Method of production of hybrid seed-grain. 3,842,538, 10-22-74, Cl. 47-58.000.

Barahas, Eugene S.; and Grosser, Frederick, to GAF Corporation. High molecular weight and low viscosity vinylpyrrolidone polymer flocculants and catalyst and process producing the same. 3,803,104, 4-9-74, Cl. 260-80.720.

Barakauskas, Edward J.: *See*—
Patterson, Arthur E., Jr.; and Barakauskas, Edward J., 3,799,092.

Baram, Martin. Sludge ejecting centrifuge. 3,823,868, 7-16-74, Cl. 233-20.00.

Baram, Martin. Centrifuge with semi-permeable membrane, and method for its preparation. 3,840,121, 10-8-74, Cl. 210-321.000

Baran, Henri: *See*—
Dishal, Milton; and Baran, Henri, 3,783,397

Baran, John S.; and Liang, Chi-Dean, to Searle, G. D., & Co. 3-Oxygenated-30-methyllolean-12-en-30-ones and 11-oxo derivatives thereof. 3,810,927, 5-14-74, Cl. 260-410.000.

Baran, John S.; and Pitzele, Barnett S., to Searle, G. D., & Co. Ammonium salts of 3β-(2-O-β-D-glucopyranuronosyl-α-D-glucopyranuronosyl)oxy) olen-12-en-30-oic acid. 3,812,097, 5-21-74, Cl. 260-210.00r.

Baran, John S.; and Pitzele, Barnett, to Searle, G. D., & Co. 3,11-Dioxooleana-5,12-dien-30-oic acid, esters thereof and derivatives. 3,832,382, 8-27-74, Cl. 260-468.500.

Baran, John Stanislaus; and Langford, Donna, to Searle, G. D., & Co. 3-Hydroxy-3-substituted glutaric acid derivatives. 3,818,080, 6-18-74, Cl. 260-535.00p.

Baran, Miroslav, to Bata Shoe Company, Inc. Electromagnetic cutting apparatus particularly for use, etc. 3,841,185, 10-15-74, Cl. 83-364.000.

Baranauckas, Charles F.: *See*—
Gelfand, Samuel; Carr, Russell L. K.; and Baranauckas, Charles F., 3,816,468.

Baranauckas, Charles F.; and Gordon, Irving, to Borg-Warner Corporation, mesne. Bicyclic esters of phosphorus acid. 3,801,677, 4-2-74, Cl. 260-937.000.

Barandon, Rene: *See*—
Soury, Jean-Pierre; Lambert, Andre; and Barandon, Rene, 3,844,307.

Baranov, Anotaly Alexeevich: *See*—
Paton, Boris Evgenievich; Pryanishnikov, Igor Stepanovich; Movchan, Boris Alexeevich; Tikhonovsky, Alexei Lavrentievich; Krivosheykov, Jury Mikhailovich; Ljubarets, Leonid Fedorovich; Timashov, Viktor Alexandrovich; Asoiants, Grigory Bagradovich; Sapko, Alxandr Ivanovich; Topilin, Valentin Vasilievich; Kosyrev, Lev Konstantinovich; Tjulkin, Andrei Alexeevich; Nakhabin, Vyacheslav Vasilievich; Kultygin, Vasily Semenovich; Sergeev, Georgy Nikolaevich;

Kucherenko, Pavel Petrovich; Gostry, Petr Dmitrievich; Barnov, Anotaly Alexeevich; and Zaika, Oleg Nikolaevich, 3,821,979.
Baranov, Vasily Ivanovich: *See*—
Moroz, Pavel Kirillovich; Sloevsky, Fedor Ignatievich; Strekalov, Genrikh Nikolaevich; Kovalenko, Nikolai Lukich; Kuznetsov, Vladimir Alexandrovich; Mekhtiev, Eijub Khabib Ogly; Levin, Boris Isaakovich; Petrunin, Ivan Egorovich; Lekanov, Afanasy Grigorievih; Baranov, Vasily Ivanovich; Kasum-Zade, Mamed Dzhavad Suleiman Ogly; and Dashdamirov, Tofik Dzhalalovich, 3,806,021.
Baranovsky, Leonid Semenovich: *See*—
Semenov, Nikolai Nikolaevich; Gussak, Lev Abramovich; Boboley, Vasily Konstantinovich; Unxov, Evgeny Pavlovich; Astafiev, Anatoly Alexandrovich; Khazanov, Mikhail Semenovich; Moroz, Vitaly Iosifovich; Baranovsky, Leonid Semenovich; Afanasiev, Viktor Vasilivich; and Zubov, Ivan Petrovich, 3,802,827.
Baranow, Sanford, to Avco Corporation. Coating process for a superalloy article. 3,794,511, 2-26-74, Cl. 117-22.000.
Baranski, Edward J.: *See*—
McMichael, B. Frank; and Baranski, Edward J., 3,837,127.
Baranski, Ronald S.; and Baur, Leslie L., to Zenith Radio Corporation. Method for inserting a CRT mask into its mating panel. 3,838,483, 10-1-74, Cl. 29-25.250.
Baranwal, Krisnna C.: *See*—
Son, Pyong-Nae; and Baranwal, Krishna C., 3,821,134.
Baranwal, Krishna C.; and Bauman, Richard G., to Goodrich, B. F., Company, The. Rubber tread compositions. 3,824,206, 7-16-74, Cl. 260-33.6aq.
Baranyovits, Francis Leslie Charles; and Kay, Ian Trevor, to Imperial Chemical Industries Limited. Heterocyclic compounds and compositions. 3,843,655, 10-22-74, Cl. 260-256.50r.
Barasch, Stephen: *See*—
Funk, John W.; Merlino, Eugene L., Jr.; and Woods, Daniel J., 3,835,771.
Barat, Jean: *See*—
Murtin, Fernand R. C.; Mercier, Loic; and Barat, Jean, 3,851,635.
Baratta, Hilda E., to Lee, Raymond, Organization, Inc., The. Bird cage 3,785,343, 1-15-74, Cl. 119-17.000.
Baratto, Eugene L.: *See*—
Steinhauser, Armin H.; and Baratto, Eugene L., 3,849,949.
Barb, Gayle E., to ACF Industries, Incorporated. Control valve structure having double ports. 3,821,968, 7-2-74, Cl. 137-625.300.
Barb, Raymond P.: *See*—
Fairbanks, Norman P.; Barb, Raymond P.; and Sutar, William, 3,853,548.
Barba, Jose Gracia. System for regulating rotary speed of a shaft. 3,824,780, 7-23-74, Cl. 58-23.00r.
Barbarin, Jean Francois: *See*—
Mesnet, Jean Dominique Francois; Remon-Beauvais, Philippe Marie Antoine Jacques; Barbarin, Jean Francois; Le Guennec, Raymond Louis; and Daddon, Georges Edouard Louis Leon, 3,790,111.
Barbe, Gerard M.; Curtillat, Pierre G.; and Lequay, Claude, to Societe Rhodiaceta. Process for the production of orientated synthetic filaments. 3,840,633, 10-8-74, Cl. 264-210.00f.
Barbeau, Raymond A.; McGinnis, Bernard W.; and Weidenhammer, James A., to International Business Machines Corporation. Aerodynamic partitioning mechanism for random access memory with flexible rotating discs. 3,838,461, 9-24-74, Cl. 360-99.000.
Barbeau, Raymond A.; McGinnis, Bernard W.; Orlando, Anthony W.; and Weidenhammer, James A., to International Business Machines Corporation. Partitionable disc memory with flexible discs and conformally suspended head. 3,838,462, 9-24-74, Cl. 360-99.000.
Barbeau, Raymond A.; McGinnis, Bernard W.; and Schultz, Frederick A., to International Business Machines Corporation. Stabilization of partitionable memory with flexible rotating discs. 3,852,820, 12-3-74, Cl. 360-99.000.
Barbecue Ovens, Inc.: *See*—
Mason, William B., 3,789,824.
Barbee, Robert B.; and Taylor, Edward C., to Eastman Kodak Company. Fluorescent (pyrimidinotriazolyl)-2-styrylbenzoxazoles. 3,830,804, 8-20-74, Cl. 260-240.00d.
Barbee, Wilford A., to Iowa Beef Processors, Inc. Method of washing tripe. 3,846,869, 11-12-74, Cl. 17-43.000.
Barbee, Wilford O., to Iowa Beef Processors, Inc. Hide removal method and apparatus. 3,810,277, 5-14-74, Cl. 17-21.000.
Barber, Albert John; Massey, Derek James Rowland; McCartney, James; and Winterbottom, Kenneth, to Ciba-Geigy AG. Treatment of fibres. 3,836,390, 9-17-74, Cl. 117-138.80a.
Barber, Alfred W. Remote telephone calling system. 3,811,012, 5-14-74, Cl. 179-2.00a.
Barber, Anthony Clifford: *See*—
McDougall, Ian Leitch; and Barber, Anthony Clifford, 3,829,963.
Barber, Arthur Adam, to Barber Electrical Services Limited. Vending machine. 3,782,429, 1-1-74, Cl. 141-359.000.
Barber, Brian Michael, to British Iron and Steel Research Association, The. Rotating furnaces. 3,806,311, 4-23-74, Cl. 432-115.000.
Barber Electrical Services Limited: *See*—
Barber, Arthur Adam, 3,782,429.
Barber, Ernest C., to Texaco Inc. Process for air pollution abatement. 3,844,942, 10-29-74, Cl. 210-50.000.
Barber, Eugene J.: *See*—
Gustison, Robert A.; Bernhardt, Harvey A.; Barber, Eugene J.; and Benton, Samuel T., 3,825,650.
Barber, Hartley E., to United States of America, Air Force. Liquid expulsion subsystem having orientation responsive pump. 3,843,024, 10-22-74, Cl. 222-207.000.
Barber, James R.; and Finlayson, Thomas J., to Allis-Chalmers Corporation. Lift truck stabilizing apparatus. 3,797,408, 3-19-74, Cl. 104-246.000.
Barber, John Chester. Lading vehicle cargo lift. 3,830,384, 8-20-74, Cl. 214-77.00p.
Barber, Patrick A.; and Cleveland, Bruce B., to Upjohn Company, The. Apparatus and method for thermally insulating an oil well. 3,820,605, 6-28-74, Cl. 166-315.000.
Barber, Stephen W.; and Nelson, William F., to Owens-Illinois, Inc. Luminescent device, process, composition, and article. 3,855,144, 12-17-74, Cl. 252-301.40f.
Barber, Walter G.: *See*—
Loxley, Ted A.; Barber, Walter G.; Combs, Walter W.; and Webb, John M., 3,837,825.
Barber, Walter W. Mount for cylindrical roll. 3,834,639, 9-10-74, Cl. 242-68.000.
Barber, William Austin, to American Cyanamid Company. Hydration of nitriles. 3,794,682, 2-26-74, Cl. 260-561.00n.
Barber-Colman Company: *See*—
Crandall, Charles B.; and Wieneke, Frederick L., 3,787,938.
Engelke, Roger P.; and Zille, Marvin H., 3,809,314.
Fassell, W. Martin; and Bridges, Donald W., 3,852,192.
Folmar, Reginald J., 3,826,941.
Jornod, Eugene R., 3,792,366.
Townsend, Franklin L., 3,840,951.
Barber-Greene Company: *See*—
Allen, Frank M.; De Diemar, Ronald B.; and Ehlert, Kenneth C., 3,843,068.
Beaty, Ronald W.; and Martenson, Earl D., 3,811,787.
DeDiemar, Ronald B., 3,804,345.
Driebel, Carl D.; Dediemar, Ronald B.; and Schuman, Leroy J., 3,837,490.
Lehman, Herbert A.; and Smith, Fred T., 3,838,933.
Barber-Perez, Salvador; and Cerni-Bisbal, Ramon, to Patronato de Investigacion Cientifica Y tecnica. Apparatus for fumigation under vacuum of granulated foodstuffs. 3,802,333, 4-9-74, Cl. 99-472.000.
Barbera, Edmund C. Building wall construction. 3,827,205, 8-6-74, Cl. 52-426.000.
Barbera, Melvin A., to Procter & Gamble Company, The. Unsaturated zwitterionic surface active compounds. 3,825,588, 7-23-74, Cl. 260-513.00r.
Barbey, Emile: *See*—
Ehretsmann, Jacques; Barbey, Emile; and Heinzer, Paul, 3,847,265.
Barbidge, Lewis P. Captive inflated lighter-than-air structures. 3,791,611, 2-12-74, Cl. 244-153.00r.
Barbier, Claude, to Le Joint Francais. Seal ring for a floating tank roof. 3,795,339, 3-5-74, Cl. 220-268.000.
Barbier, Jean France L. P.; and Renard, Guy, to Eastman Kodak Company. Direct-positive photographic elements and processes for preparing direct-positive silver halide emulsions. 3,820,998, 6-28-74, Cl. 96-64.000.
Barbier, Jean-Pierre; and Feugnet, Jean-Pierre, to Bridel, Laiteries E. Installation for production of soft and washed-curd cheeses. 3,791,035, 2-12-74, Cl. 31-46.000.
Barbier, Maurice; and Leon, Sayous, to Societe Anonyme dite: Societe Nationale des Petroles d'Aquitaine. Methods of and apparatus for generating seismic signals. 3,802,534, 4-9-74, Cl. 181-.5xc.
Barbier, Maurice; and Staron, Philippe, to Societe Anonyme dite: Societe Nationale des Petroles d'Aquitaine. Method of exploring a medium by transmitting energy emitted in the form of separate impulses and its application to seismic prospecting. 3,811,111,5-14-74, Cl. 340-15.5cc.
Barbier, Pierre: *See*—
Royer, Rene; Rene, Loic; Cavier, Raymond; and Barbier, Pierre, 3,808,236.
Barbier, William J.; and Knaebel, Thomas C., to Sorlan Valve Company. Electromagnet coil assembly. 3,818,398, 6-18-74, Cl. 335-278.000.
Barbieri, John D.: *See*—
Zenchnowitz, Alvin L.; Xenakis, James A.; Barbieri, John D.; and Chang, Nai Chai, 3,827,361.
Barbieri, Siegfried, to DURST A.G. Fabrik Fototechnischer Apparate. Device for determining the quantities of colored printing light for the photographic printing of color transparencies. 3,800,070, 3-26-74, Cl. 178-5.20a.
Barbieri, Thomas: *See*—

Getz, Edward J.; and Barbieri, Thomas, 3,822,785.
Barbin, Robert Lloyd, to RCA Corporation. Electron beam and deflection yoke alignment for producing convergence of plural in-line beams. 3,789,258, 1-29-74, Cl. 315-13.0cg.
Barbini, Aldo, to Consiglio Nazionale delle Ricerche. Swinging apparatus for supporting containers for seaweed cultures or the like. 3,788,611, 1-29-74, Cl. 259-54.000.
Barbis, Peter R.: *See*—
Kegerise, Wesley R.; Muzyka, Donald R.; and Barbis, Peter R., 3,795,552.
Barboni, Philip G.; and Cooksey, John A., to Singer Company, The. Telecine system control electronics to provide synchronism between the projector pulldown and television scan over a wide range of pulldown rates. 3,796,828, 3-12-74, Cl. 178-7.200.
Barbour, John P.; and Charbonnier, Francis M., to Field Emission Corporation. Pulsed vacuum arc operation of field emission X-ray tube without anode melting. 3,783,288, 1-1-74, Cl. 250-414.000.
Barbour, Roberto, to Cryton Optics, Inc. Box and viewer assembly for slides. 3,797,917, 3-19-74, Cl. 350-250.000.
Barbour, William P., to Control Data Corporation. Bi-directional imprinter. 3,810,424, 5-14-74, Cl. 101-269.000.
Barcaro, Eugene B.: *See*—
Gluskin, Richard S.; Barcaro, Eugene B.; Phillips, Edwin R.; Schonfeld, Arnold; and Van Reymersdal, Joseph, 3,855,621.
Barch, Fabian P.: *See*—
Daul, George C.; and Barch, Fabian P., 3,793,136.
Barchard, John: *See*—
Carroll, Henry F., 3,826,393.
Barchas, Myron; and Gutierrez, Magda Ofelia, to Mennen Company, The. Permanent but removable hair-coloring system. 3,838,966, 10-1-74, Cl. 8-10.000.
Barchas, Myron, to Mennen Company, The. Microcapsules for use in pressurized systems. 3,839,220, 10-1-74, Cl. 252-305.000.
Barclay, Roger, to Pierre, Naquet and Societe Anonyme Laboservice. Viewing apparatus. 3,783,540, 1-8-74, Cl. 40-78.070.
Barcomb, James G.; and Mako, John, to International Business Machines Corporation. Vernier control for a stepper motor. 3,794,903, 2-26-74, Cl. 318-696.000.
Barcroft, Frederick J. Power transfer unit for tandem wheels. 3,854,545, 12-17-74, Cl. 180-24.120.
Barcza, Sandor, to Sandoz-Wander, Inc. 2-Silyl-1-methyl imidazoles. 3,787,437, 1-22-74, Cl. 260-309.000.
Barcza, Sandor, to Sandoz-Wander, Inc. Diphenyl(3-dialkylaminopropyl)silanes as therapeutics. 3,853,994, 12-10-74, Cl. 424-184.000.
Bard, C. R., Inc.: *See*—
Bleecker, John A., 3,818,903.
Drolet, J. Guy, 3,853,297.
Ericson, Richard E., 3,797,484.
Ericson, Richard E., 3,803,640.
Farr, James I., 3,802,431.
Frassica, James J., 3,826,396.
Monestere, Martin, Jr.; and Vaillancourt, Vincent L., 3,851,647.
Smith, David J., 3,800,338.
Smith, David J., 3,815,164.
Sturgeon, John F., 3,795,246.
Bard, C. R., Inc., mesne: *See*—
Ericson, Richard E., 3,781,922.
Ericson, Richard E., 3,786,815.
Bard, Charleton C., to Eastman Kodak Company. Photographic silver halide developing agents. 3,818,078, 6-18-74, Cl. 260-509.000.
Bardach, Herbert, to Avco Corporation. Bearing for wear detection. 3,797,896, 3-19-74, Cl. 308-1.00a.
Bardash, Irwin; and Schlotterhausen, Christian, to United States of America, Air Force. Temperature compensated latching ferrite phase shifter. 3,824,502, 7-16-74, Cl. 333-24.100.
Bardeau, William Milton: *See*—
Bardeau, William Milton; and Welty, Frank (said Welty assor. to said), 3,843,020.
Bardeau, William Milton; and Welty, Frank, said Welty assor. to said Bardeau, William Milton. Automatic liquid dispensing apparatus. 3,843,020, 10-22-74, Cl. 222-58.000.
Bardeen, Thomas, to Gulf Research & Development Company. Geophone impulse tester. 3,858,169, 12-31-74, Cl. 340-15.5cp.
Bardell, Paul H.: *See*—
Agusta, Benjamin; Bardell, Paul H.; Castrucci, Paul P.; Henle, Robert A.; and Pecoraro, Raymond P., 3,823,348.
Barden Corporation, The: *See*—
McKee, Lewis W., 3,826,545.
Barden, James D.: *See*—
Lucero, Daniel P.; Barden, James D.; and Paljug, Joseph W., 3,833,016.
Bardenhagen, Dietrich: *See*—
Schubert, Bernhard; and Bardenhagen, Dietrich, 3,820,671.
Bardenhagen, Dietrich; and Schubert, Bernhard, to Hauni-Werke Korber & Co., KG. Machine for the production of hinged-lid packs for groups of cigarettes or the like. 3,802,325, 4-9-74, Cl. 93-39.00r.
Bardenhagen, Dietrich, to Hauni-Werke Korber & Co., KG. Apparatus for severing wrapped tobacco rods or the like. 3,815,460, 6-11-74, Cl. 83-310.000.
Bardet, Gerard, to Automatisme & Technique. Machine for filling receptacles in particular fountain pen cartridges. 3,800,496, 4-2-74, Cl. 53-64.000.
Bardet, Gerard, to Automatisme & Technique. Continuous kinematic type machine for producing foundry cores. 3,857,439, 12-31-74, Cl. 164-186.000.
Bardet, Michel, to Buckeye Stephens Limited. Incubators for eggs. 3,817,214, 6-18-74, Cl. 119-37.000.
Bardet, Michel, to Stephens, Buckeye, Limited. Incubators for eggs. 3,854,452, 12-17-74, Cl. 119-37.000.
Bardet, Serard; Gayot, Jean; and Bouee, Vincent, to Engins Matra. Continuous transportation installation. 3,791,304, 2-12-74, Cl. 104-18.000.
Bardina, Tatyana Alexandrovna: *See*—
Burmistrova, Tamara Petrovna; Bardina, Tatyana Alexandrovna; Galpern, Grigary Davidovich; Karaulova, Elena Nikolaevna; Luchai, Nonna Alexandrovna; Terpilovsky, Nikolai Nikolaevich; and Khitrik, Adolf Alexandrovich, 3,792,095.
Bardo, Eugene E.; and Schroeder, Franklin T., to Burroughs Corporation. Pulse shaping circuit. 3,838,297, 9-24-74, Cl. 307-268.000.
Bardocz, Arpad. Optical rail system. 3,857,643, 12-31-74, Cl. 403-63.000.
Bardoneschi, Roland; and Muller, Georges, to Roussel-UCLAF. Thiocolchicine glucoside. 3,816,396, 6-11-74, Cl. 260-210.00r.
Bardons & Oliver, Inc.: *See*—
Hicks, Morris R.; and Le Veque, Joseph C., 3,807,278.
Bardot, Ernest Roger. Construction set and element thereof 3,782,029, 1-1-74, Cl. 46-26.000.
Bardsley Robert Francis: *See*—
Schoonmaker, Charles Donald; Hebel, Carl G.; and Bardsley Robert Francis, 3,855,912.
Bare, Conrad B.; and Pasquali, Joseph W., to Bethlehem Steel Corporation. Method for recovering vanadium-values from vanadium-bearing iron ores and iron ore concentrates. 3,853,982, 12-10-74, Cl. 423-68.000.
Bare, Thomas M.: *See*—
Suh, John T.; and Bare, Thomas M., 3,847,950.
Bare, Thomas N.: *See*—
Suh, John T.; and Bare, Thomas N., 3,786,154.
Barecki, Chester J.; and Karrip, Alexander A., to American Seating Company. Seat for urban mass transit vehicles. 3,797,887, 3-19-74, Cl. 297-454.000.
Barefoot, Carlton K. Method and apparatus for retreading tires. 3,816,217, 6-11-74, Cl. 156-394.000.
Barefoot, Carlton Keith. Method and apparatus for retreading tires. 3,853,666, 12-10-74, Cl. 156-394.000.
Barefoot, Charles A., and McWethy, Joseph M., to Carolina Medical Electronics, Inc. Electromagnetic blood flow probe. 3,805,768, 4-23-74, Cl. 128-2.05f.
Bareggi, Vittorio: *See*—
Barilli, Filippo; Cozza, Giorgio; and Bareggi, Vittorio, 3,812,242.
Baremor, Jerry F., to Eaton Corporation. Limited slip differential. 3,831,462, 8-27-74, Cl. 74-711.000.
Barenyi, Bela: *See*—
Wacker, Siegfried; and Barenyi, Bela, 3,840,260.
Wilfert, Karl; and Barenyi, Bela, 3,820,834.
Barenyi, Bela; and Busch, Gerhard, to Daimler-Benz Aktiengesellschaft. Arrangement of the drive and support of windshield wipers. 3,788,681, 1-29-74, Cl. 296-28.00r.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Motor vehicle front end construction. 3,789,944, 2-5-74, Cl. 180-68.00p.
Barenyi, Bela; and Haselmann, Heinrich. Motor vehicle, especially passenger motor vehicle. 3,794,376, 2-26-74, Cl. 296-137.06r.
Barenyi, Bela; and Renner, Hermann, to Daimler-Benz AG. Bumper arrangement in a vehicle. 3,795,418, 3-5-74, Cl. 293-88.000
Barenyi, Bela; and Renner, Hermann, to Daimler-Benz Aktiengesellschaft. Safety steering for motor vehicles. 3,797,601, 3-19-74, Cl. 180-78.000.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Steering wheel for motor vehicle. 3,800,604, 4-2-74, Cl. 74-552.000.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft Steering wheel for motor vehicles. 3,800,620, 4-2-74, Cl. 74-552.000.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Protective strip for motor vehicles. 3,817,016, 6-18-74, Cl. 52-717.000.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Arrangement of bumper in motor vehicles. 3,823,968, 7-16-74, Cl. 293-84.000.
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Barenyi, Bela; and Renner, Hermann, to Daimler-Benz Aktiengesellschaft. Protection device for vehicle passengers. 3,837,668, 9-24-74, Cl. 280-150.00b.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Bumper arrangement. 3,840,259, 10-8-74, Cl. 293-70.000.
Barettella, Bernard. Shade roller apparatus. 3,853,170, 12-10-74, Cl. 160-323.000.

Bareyt, Claude, to Thomson-CSF. Phase-corrector. 3,849,676, 11-19-74, Cl. 307-295.000.

Barfort, Per: *See*—
Alexander, James D., and Barfort, Per, 3,799,743.

Bargain, Michel, to Rhone-Poulenc S.A. Organopolysiloxane compositions. 3,836,489, 9-17-74, Cl. 260-18.00s.

Bargain, Michel, to Rhone-Poulenc S.A. Organopolysiloxane compositions convertible to elastomers. 3,839,266, 10-1-74, Cl. 260-37.0sb.

Bargain, Michel, to Rhone-Poulenc S.A. Process for the preparation of bis-maleimides. 3,839,358, 10-1-74, Cl. 260-326.260.

Barger, Donald R.: *See*—
Ettlinger, Louis F.; and Barger, Donald R., 3,792,404.

Barger, J. P.; Crandell, William H.; and Gardner, Thomas W., to Dynatech Corporation. Cryosurgical apparatus. 3,782,386, 1-1-74, Cl. 128-303.100.

Bargstedt, Gerd. Apparatus for transferring articles between a conveyor and a stack. 3,836,017, 9-17-74, Cl. 214-6.05.

Barham, Harold N.; and Barham, Harold N., Jr. Method for sorption of urea by whole cereal grains. 3,852,498, 12-3-74, Cl. 426-69.000.

Barham, Harold N., Jr.: *See*—
Barham, Harold N.; and Barham, Harold N., Jr., 3,852,498.

Barham, Peter James: *See*—
Laws, William Robert; Townsend, Nicholas Arthur; and Barham, Peter James, 3,804,339.

Barham, Stanley H.: *See*—
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Barnett, Thomas A., to Monsanto Company. Steel tire cord assembly. 3,836,426, 9-17-74, Cl. 161-170.000.

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Barney, Harold L., to Bell Telephone Laboratories and Bell Telephone Laboratories, Inc. Object location system. 3,852,706, 12-3-74, Cl. 340-6.00r.

Barney, Harry E., Jr.: *See*—
Engdahl, Rodney A.; and Barney, Harry E., Jr., 3,805,949.

Barney, Harry E., Jr.; and Engdahl, Rodney A., to FMC Corporation. Two line single pass cooker. 3,815,490, 6-11-74, Cl. 99-365.000.

Barney, Walter W. Coded magnetic card and system for encoding and sensing the same. 3,788,617, 1-29-74, Cl. 235-61.12m.

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Barnhart, Bruce R.; and Hill, David C., to General Motors Corporation. Internal combustion engine ignition spark vacuum advance system. 3,783,846, 1-8-74, Cl. 123-117.00a.

Barnhart, Carlton L. Apparatus for dispensing flat articles. 3,790,027, 2-5-74, Cl. 221-274.000.

Barnhart, James W.; and Shea, Philip J., to Dow Chemical Company, The. Reducing serum cholesterol with certain substituted phenols. 3,800,051, 3-26-74, Cl. 424-346.000.

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Barnhart, John T. Air cleaning device 3,812,656, 5-28-74, Cl. 55-220.000.

Barnhart, Morris W.: *See*—

Walsh, Charles J.; and Barnhart, Morris W., 3,812,288.

Barnhart, Morris W.; and Russ, John C., to Edax International, Inc. X-ray scan area mapping system. 3,813,545, 5-28-74, Cl. 250-306.000.

Barnhart, Nelle S. Sun visor extension for vehicle. 3,853,370, 12-10-74, Cl. 296-97.00c.

Barnhart, Robert R.: *See*—
Kindle, Robert W.; Barnhart, Robert R.; and Paul, Phillip T., 3,847,727.

Barnhurst, James Douglass; and Renold, Adolph, to Colgate-Palmolive Company. Aerosol space deodorant employing certain organic peroxides. 3,828,104, 8-6-74, Cl. 424-45.000.

Barnish, Ian T.: *See*—
Cox, David A.; Barnish, Ian T.; and Evans, Anthony G., 3,816,516.

Barnscheidt, Wolfgang; Sollinger, Hans; and Krautzberger, Franz, to Feldmuhle Anlagen- und Produktionsgesellschaft mit beschrankter Haftung. Coating apparatus for sheet material. 3,817,208, 6-18-74, Cl. 118-119.000.

Barnum, Donald W.; and Barnum, Richard L. Card holder. 3,791,651, 2-12-74, Cl. 273-150.000.

Barnum, Richard L.: *See*—
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Barnum, William L.: *See*—
Will, Albert S.; Wolf, Sylvan; and Barnum, William L., 3,786,403.

Barok, Albert. Telephone set with transmission by microphone and amplifier and reception by loudspeaker. 3,787,621, 1-22-74, Cl. 179-1.0hf.

Baron, Andre H.: *See*—
St. Germain, Jean, 3,838,235.

Baron, George B., to Marion Power Shovel Company, Inc. Power shovel. 3,856,161, 12-24-74, Cl. 214-138.000.

Baron, Heinz. Multilaminar sheet structure. 3,790,433, 2-5-74, Cl. 161-113.000.

Baron, Joseph J., Jr., to Sun Chemical Corporation. Finishes for textile fabrics. 3,794,465, 2-26-74, Cl. 8-115.600.

Baron, Louis G.: *See*—
Kiffmeyer, William W.; and Baron, Louis G., 3,806,877.

Baron, Philip N.; and Schulman, Bernie. Golf game apparatus. 3,814,438, 6-4-74, Cl. 273-176.0fa.

Baron, Robert J.: *See*—
Crawford, Irvin H.; Democh, Roger E.; and Baron, Robert J., 3,853,592.

Baron, Wilfred R., to TRW Inc. Solar array. 3,837,924, 9-24-74, Cl. 136-89.000.

Barone, Angelo P., to Anaconda Company, The. Wire drawing annealers. 3,799,518, 3-26-74, Cl. 266-3.00r.

Barone, Angelo P.; D'Ascoli, Ralph G.; and Bechle, Charles W., to Anaconda Company, The. Making flat copper-clad steel wire. 3,811,311, 5-21-74, Cl. 72-278.000.

Barone, Anthony P. Device for removable attachment to a wall mounted telephone. 3,843,166, 10-22-74, Cl. 281-15.00b.

Barone, Bruno J.: *See*—
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Barone, Bruno J.; and Cooley, Stone D., to Petro-Tex Chemical Corporation. Preparation of hydro-peroxides by autoxidation. 3,816,540, 6-11-74, Cl. 260-610.00b.

Barone, Frank J., to Motorola, Inc. Method of making complementary monolithic insulated gate field effect transistors having low threshold voltage and low leakage current. 3,806,371, 4-23-74, Cl. 148-1.500.

Baronnet, Rene, to Societe Berri-Balzac. Terpene derivatives. 3,845,048, 10-29-74, Cl. 260-247.70e.

Barosko, John M., to Tenneco Inc. Control means for hydraulic jack. 3,782,689, 1-1-74, Cl. 254-93.00r.

Barouh, Victor; Glenn, Robert; and Giaccone, Sylvester. Method for correcting mistyped business forms. 3,852,089, 12-3-74, Cl. 117-2.0tc.

Barowtiz, Peter Jack. Automatic intruder alarm. 3,805,260, 4-16-74, Cl. 340-258.00b.

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Boyle, Kenneth Hector McKinnon; and Rogers, Thomas, 3,831,590.
Punctman, Herbert Morrison, 3,845,298.

Barr, Arthur C. Nursing unit with improved plastic liner. 3,834,570, 9-10-74, Cl. 215-11.00e.

Barr, Berthold: *See*—
Nickl, Josef; Muller, Erich; Barr, Berthold; and Roch, Josef, 3,843,638.

Barr, Courtland Hilyard, Jr. Multi-chambered syringe. 3,835,855, 9-17-74, Cl. 128-218.00m.

Barr, Davis N.; and Hays, Bill J. Clip fastener dispenser. 3,793,696, 2-26-74, Cl. 29-212.00p.

Barr, Donald L.: *See*—
Cummins, Millard M.; Keates, Richard H.; Best, Robert G.; and Barr, Donald L., 3,831,442.

Barr, Frederick E.: *See*—
Brenneman, Richard S.; Lovering, David W.; and Barr, Frederick E., 3,854,975.

Barr, Frederick J., Jr.; and Ray, Clifford H., to Petty-Ray Geophysical, Inc. Method of filtering multi-component seismic data. 3,858,168, 12-31-74, Cl. 340-15.5cp.

Barr, Irwin R.; La Costa, Nicholas J.; and Davis, William O., to AAI Corporation. Practice ammunition. 3,785,293, 1-15-74, Cl. 102-92.700.

Barr, Irwin R.; and La Costa, Nicholas J., to Aircraft Armaments, Inc. System for primer actuation of bolt. 3,855,900, 12-24-74, Cl. 89-159.000.

Barr, John Baldwin, to Union Carbide Corporation. Treatment of carbon fibers to improve shear strength in composites. 3,791,840, 2-12-74, Cl. 106-307.000.

Barr, John E., to International Telephone and Telegraph Corporation. Low cost sealed connector and method of making same. 3,787,796, 1-22-74, Cl. 339-60.00r.

Barr, John E., to International Telephone and Telegraph Corporation. Low insertion force electrical connector. 3,818,420, 6-18-74, Cl. 339-90.00r.

Barr, Leslie A.; and Sanchez, Hector, to Sea Research Corporation. Fish transfer system. 3,838,534, 10-1-74, Cl. 43-6.500.

Barr, Paul N.; and Jagodzinski, Tim G., to General Motors Corporation. Electronic fuel injection system having coarse and fine speed compensation. 3,786,789, 1-22-74, Cl. 123-32.0ea.

Barr, Ralph E., Jr.: *See*—
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Barr, Richard S.; and Groendyke, Richard L., to American Safety Equipment Corporation. Method and apparatus for automatic assembly of a belt and anchor plate. 3,785,907, 1-15-74, Cl. 156-443.000.

Barr, William M. Collapsible scissors. 3,781,992, 1-1-74, Cl. 30-255.000.

Barr-Stalfort Company; Division Pittway Corporation: *See*—
Cunningham, Ernest R., 3,857,422.

Barra, Frank J.; and Murrell, Kenneth R., to Black, Sivalls & Bryson, Inc. Apparatus for separating oil and solids from water. 3,784,010, 1-8-74, Cl. 210-114.000.

Barraclough, Christopher George; and Brown, James Roger, to GEC-Elliott Automation Limited. Raster-scanned display devices. 3,812,491, 5-21-74, Cl. 340-324.0ad.

Barrall, Edward Martin; and Lee, Kenneth, to International Business Machines Corporation. Optically inactive magneto-optic substrate. 3,816,237, 6-11-74, Cl. 161-227.000.

Barrat, Christian; and Robson, Peter, to Procter & Gamble Company, The. Detergent composition containing proteolytic enzymes. 3,840,480, 10-8-74, Cl. 252-545.000.

Barratt, Kenneth: *See*—
Barnes, Stanley Charles; and Barratt, Kenneth, 3,808,040.

Barratt, Robert O.: *See*—
Polcer, John; Barratt, Robert O., and Roberts, John, 3,812,824.
Polcer, John; Barratt, Robert O.; and Roberts, John, 3,812,825.

Barre, Jean-Gabriel: *See*—
Holt, Terence Albert; and Barre, Jean-Gabriel, 3,787,915.
Holt, Terence Albert; and Barre, Jean-Gabriel, 3,798,694.

Barre, Jean-Gabriel, to Centre Technique du Cuir. Device for assembling shoe components. 3,857,129, 12-31-74, Cl. 12-1.00f.

Barre, Sheridan F.; Abbott, Terry C., Jr.; and Terry, Stephen P., to UMF Systems Incorporated. Ultramicrofiche viewer having image locating scale system. 3,799,663, 3-26-74, Cl. 353-27.000

Barre, Wade E.; and Orbanic, Robert S., to GTE Sylvania Incorporated. Fluorescent lighting assembly. 3,836,939, 9-17-74, Cl. 339-56.000.

Barreca Products Co.: *See*—
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Barrer, Richard M.: *See*—
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Barrera, Carlos M.; Stark, Clarence C.; and Stark, Clarence C., to Ford Motor Company. Signal generating process for use in engine control. 3,818,877, 6-25-74, Cl. 123-32.0ea.

Barrera, Giorgio, to MECBAR S.p.A. Method of winding coils. 3,817,295, 6-18-74, Cl. 140-92.100.

Barrera, Roberto Gonzalez: *See*—
Rubio, Manuel; and Leal, Victor Mario, 3,788,139.
Rubio, Manuel Jesus; and Leal, Victor Mario, 3,785,201.
Rubio, Manuel Jesus; and Leal, Victor Mario, 3,789,660.
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Barrera, Salvatore E., to Wilkes Pool Corporation. Swimming pool. 3,798,857, 3-26-74, Cl. 52-169.000.

Barrera, Salvatore E., to Wilkes Pool Corporation. Adapter. 3,811,712, 5-21-74, Cl. 285-132.000.

Barret, Jean-Pierre: *See*—
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Barrett, Arthur Michael; Carter, John; Hull, Roy; Le Count, David James; and Squire, Christopher John, to Imperial Chemical Indus-

tries Limited. Alkanolamine derivatives for producing β-adrenergic blockade. 3,836,671, 9-17-74, Cl. 424-324.000.
Barrett, Austin, to Evans, W. P., & Son Limited. Mechanically actuated self-lubricated roll. 3,804,473, 4-16-74, Cl. 308-107.000.
Barrett, Bernard R. Airplane kite. 3,796,400, 3-12-74, Cl. 244-154.000.
Barrett, Burton M.; and DeVoe, James A., to Lowrance Electronics, Inc. Spring loaded transducer bracket. 3,845,928, 11-5-74, Cl. 248-291.000.
Barrett, Cedric A.; and Kingsbury, John P. Shock absorbing bumper. 3,801,147, 4-2-74, Cl. 293-9.000.
Barrett, David M.; and Chrapkowski, Ralph K., to General Electric Company. Fluoroscopic localization system for angular radiography. 3,838,287, 9-24-74, Cl. 250-445.000.
Barrett, Donald Dean; Whalen, Kenneth R.; Nichols, Charles; Knapp, Robert G.; Wickum, Jay A.; and Moust, Daniel A., to Marsan Manufacturing Co., Inc. Fastening apparatus for ostomy appliances. 3,789,846, 2-5-74, Cl. 128-283.000.
Barrett, Edmund, to Jenkintown Metal Products, Inc. Automatic swing. 3,794,317, 2-26-74, Cl. 272-86.000.
Barrett, Edward L., 50% to Zenner, Walter J. Assembly method for stator of dynamo-electric machine. 3,802,066, 4-9-74, Cl. 29-596.000.
Barrett, Edward L. Proportioned current battery. 3,846,174, 11-5-74, Cl. 136-6.00r.
Barrett, Fred O.: *See—*
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Barrett, Frederick, to Electricity Council, The. Electrodeposition of iron foil. 3,817,843, 6-18-74, Cl. 204-13.000.
Barrett, Frederick B.; Tegt, Richard P.; Blattel, Thomas V.; and Staples, Warren W., to United States of America, Navy. Guidance system for underwater swimmers. 3,802,088, 4-9-74, Cl. 33-349.000.
Barrett, Gilbert R. Self-heading wild fowl decoys. 3,800,457, 4-2-74, Cl. 43-3.000.
Barrett, Harrison H.: *See—*
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Barrett, Harrison H., to Raytheon Company. Spatially modulated imaging system. 3,801,785, 4-2-74, Cl. 250-321.000.
Barrett, Harrison H.; and Horrigan, Frank A., to Raytheon Company. Nuclear imaging system. 3,825,757, 7-23-74, Cl. 250-363.000.
Barrett, Harrison H., to Raytheon Company. High intensity radiation. 3,829,688, 8-13-74, Cl. 250-272.000.
Barrett, Harrison H.; Demeester, Gordon D.; and Wilson, David T., to Raytheon Company. Zone plate imaging system. 3,831,031, 8-20-74, Cl. 250-363.000.
Barrett, Hillard E.; Clark, Donald B.; and Seid, Bernard, to United States of America, Army, mesne. Fluid-tight high temperature flexible joint. 3,811,713, 5-21-74, Cl. 285-226.000.
Barrett, Iral D.; and Spoor, Daniel L., to Supra Products, Inc. Combination lock. 3,800,576, 4-2-74, Cl. 70-302.000.
Barrett, Irene J. Two level rotating-arm jumping and ducking exercise device. 3,797,825, 3-19-74, Cl. 272-7.00a.
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Barrett, James Howard; and Kelleher, Jack, to Dynamic Technology Limited. Lighting control systems. 3,784,874, 1-8-74, Cl. 315-294.000.
Barrett, Jean-Pierre, to Institut Francais du Petrole des Carburants et Lubrifiants. Device for varying the speed of evolution of an gain amplifier. 3,818,364, 6-18-74, Cl. 330-52.000.
Barrett, John C.; and Larson, Roger L., to Raygo, Inc. Compacting machine having variable vibration. 3,814,532, 6-4-74, Cl. 404-117.000.
Barrett, John E.: *See—*
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Barrett, Joseph J., to Allied Chemical Corporation. Simultaneous interferometric transmission of periodic spectral components. 3,853,404, 12-10-74, Cl. 356-75.000.
Barrett, Lawrence D., Jr., to Boeing Company, The. Redundant pitch link. 3,786,695, 1-22-74, Cl. 74-586.000.
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Barrett, Robert M. Wheel locking device. 3,845,643, 11-5-74, Cl. 70-18.000.
Barrett, Robert R., to Visual Designs Mfg. Co. Adjustable display shelf apparatus. 3,848,844, 11-19-74, Cl. 248-245.000.
Barrett, William J.; and Ahlgren, Joseph R., to Woodward Governor Company. Digital governor. 3,798,907, 3-26-74, Cl. 60-660.000.
Barrett, William J. Digital governor. 3,802,188, 4-8-74, Cl. 60-664.000.
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Barrie, Arnold Varden. Apparatus and method for cutting a travelling web of material. 3,800,640, 4-2-74, Cl. 83-37.000.
Barrillon, Claude Gerbelot: *See—*
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Barringer, Anthony Rene, to Barringer Research Limited. Optical correlator with optimized maximum and minimum correlation masks. 3,836,254, 9-17-74, Cl. 356-74.000.
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Barringer, Donald Frederic, Jr.: *See—*
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Barron, Daniel. Propagation loss measuring device. 3,810,079, 5-7-74, Cl. 340-3.00r.
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Barron, Joseph E.; Soboleski, Adam; and McIntire, William S., to Uniroyal, Inc. Herbicidal composition. 3,792,996, 2-19-74, Cl. 71-115.000.
Barron, Laurence David; and Buckingham, Amyand David, to National Research Development Corporation. Testing of optically active substances by polarized radiation. 3,817,634, 6-18-74, Cl. 356-114.000.
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Barron, Roger L.; and Cleveland, Dixon, to Adaptronics, Inc. Self-organizing control system. 3,794,271, 2-26-74, Cl. 244-3.150.
Barron, William E., to Bethlehem Steel Corporation. Coke oven pusher machine leveler bar seal. 3,821,088, 6-28-74, Cl. 202-269.000.
Barrot, Jean-Pierre; Jaussein, Christian; and Yastroubinski, Andre, to Commissariat a l'Energie Atomique. Device for storing the amplitude of an electric signal. 3,805,172, 4-16-74, Cl. 328-151.000.
Barrow, Gilbert C., to Massa Division, Dynamics Corporation of America. Electroacoustic transducer of the vibratile diaphragm type with controlled uniformity of performance characteristics and method for controlling uniformity. 3,846,650, 11-5-74, Cl. 310-.200.
Barrows, John B.; and Hansen, Leslie T., to Sweco, Inc. Self-cleaning screen assembly. 3,841,482, 10-15-74, Cl. 209-323.000.
Barrus, Gordon Brent; Emenaker, Leo Joseph; and Melissa, Raymond Franklin, to Pertec Corporation. High speed speed line printing apparatus. 3,834,303, 9-10-74, Cl. 101-93.00c.
Barry, Adelbert; and Heintz, Karl O., to Esso Production Research Company. Coupling assembly. 3,829,816, 8-13-74, Cl. 339-16.00r.
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Barry, James D.; Freedman, Paul M.; and Matassov, George, to United States of America, Air Force. Spaceborne sun pumped laser. 3,786,370, 1-15-74, Cl. 331-94.500.
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Barsukov, Vladimir Vasilievich; Burakov, Savely Leonidovich; Grebennikov, Vladimir Vissarionovich; Kalashnikov, Petr Georgievich; Krasnov, Miron Vasilievich; Kuperman, Alexandr Yankelevich; Mikotin, Evgeny Emelyanovich; Nikolaenko, Evgeny Grigorievich; Steanov, Alexandr Nikolaevich; Tsarev, Georgy Grigorievich; Yarovinsky, Grigory Abramovich; and Yassky, Dolya Iosifovich. Plant for producing a metal band from a melt. 3,794,106, 2-26-74, Cl. 164-277.000.
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Bart, Philip D. Closure for a plurality of different sized openings. 3,850,341, 11-26-74, Cl. 220-212.000.
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Bartch, Donald Walter: *See—*
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Barteck, Werner W.: *See—*
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Bartel, Roger P., to Lee, Raymond, Organization, Inc., The. Foot pedal switch. 3,833,782, 9-3-74, Cl. 200-86.500.
Bartelheimer, Ehrhard, to Kocha Adler AG. Machine for sealing folding cartons with adhesive tape strips. 3,800,679, 4-2-74, Cl. 93-36.900.
Bartell, Ralph A., to Warner-Lambert Company. Container closure for lyophilized products. 3,834,571, 9-10-74, Cl. 215-256.000.
Bartell, William H., to Vicon Instrument Company, The. Apparatus for processing electronic components. 3,837,369, 9-24-74, Cl. 140-1.000.
Bartels, Friedrich. Element for constructing temporary wall structures. 3,786,607, 1-22-74, Cl. 52-474.000.
Bartels, Gerald D.: *See—*
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Bartels, John H. Motor speed control apparatus for an electrically powered vehicle. 3,809,975, 5-7-74, Cl. 318-39.000.
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Bartenbach, Christian Hermann. Light distributing ceiling structure. 3,798,443, 3-19-74, Cl. 240-103.00r.
Barth, Bruce P., to Union Carbide Corporation. Adhesive compositions. 3,817,922, 6-18-74, Cl. 260-53.00r.
Barth, Edwin F.: *See—*
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Barth, Gerald Dean; and Jennings, Ralph Ernest, to Illinois Tool Works Inc. Metal penetrating staple. 3,800,653, 4-2-74, Cl. 85-13.000.
Barth, Gerhard: *See—*
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Barth, Hans-Dieter: *See—*
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Barth, Harald. Flexible coupling. 3,837,179, 9-24-74, Cl. 64-14.000.
Barth, John W., to Allis-Chalmers Corporation. Auxiliary power system on a vehicle. 3,847,243, 11-12-74, Cl. 180-79.20r.
Barth, Ross E.: *See—*
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Barth, Seymour, to Astrosystems, Inc. Analog-to-digital converter employing an electromagnetic resolver. 3,849,774, 11-19-74, Cl. 340-347.0da.
Barth, Warren W. Insect control device. 3,803,801, 4-16-74, Cl. 54-81.000.
Barth, Wayne E., to Pfizer Inc. Use of 2-hydroxymethyl-3-hydroxy-6-(1-hydroxy-2-aminoethyl-pyridines as bronchodilators. 3,786,160, 1-15-74, Cl. 424-263.000.
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Barthalomew, Wayne R.: *See—*
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Barthalon, Maurice. Method for winding electric coils and electric coils produced thereby. 3,851,830, 12-3-74, Cl. 242-7.030.
Barthel, Hans: *See—*
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Barthel, Horst, to Oil Base Germany GmbH & Co. KG. Composition and process for strengthening and sealing geological formations and strata in mining and deep drilling. 3,816,148, 6-11-74, Cl. 106-207.000.
Barthel, Horst, to Verwaltungsgesellschaft m.b.H. Drilling fluid. 3,850,817, 11-26-74, Cl. 252-8.50b.
Barthel, Ray L. Mini-bike two-speed planetary transmission with stationery ring, carrier output and novel clutching means. 3,811,342, 5-21-74, Cl. 74-750.00r.
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Barthelemy, Robert Lucien, to Etat Francais. System for detecting weak information signals in noisy receiver signals. 3,810,029, 5-7-74, Cl. 328-167.000.
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Barthels, Heinz; Fassbender, Josef; and Katscher, Werner, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Nuclear-fuel element. 3,801,450, 4-2-74, Cl. 176-73.000.
Barthels, Manfred: *See*—
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Barthod-Malat, Jean. Descaling apparatus with rotary jets. 3,834,625, 9-10-74, Cl. 239-227.000.
Bartholome, Ernst; Koehler, Waldemar; Stoeckelmann, Guenter; Schulz, Gerhard; Nagel, Otto; Goetze, Walter; Kasper, Werner; Dreher, Erich; and Dahlinger, Roland, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Continuous production of propylene chloroydrin. 3,845,144, 10-29-74, Cl. 260-634.000.
Bartholomew, Allan E., to Myers Industries, Inc. Record storage rack. 3,856,145, 12-24-74, Cl. 211-40.000.
Bartholomew, Donald D. High efficiency-low pollution emission engine. 3,834,364, 9-10-74, Cl. 123-119.00e.
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Bartholomew, James C. Audible indicator for use with fishing rod 3,814,048, 6-4-74, Cl. 116-67.00r
Bartholomew, Michael E.: *See*—
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Bartholomew, Roger F., Campbell, Donald E.; Dates, Harold F.; Lewek, Stanley S.; Marusak, Francis J.; Pierson, Joseph E.; Stookey, Stanley D.; and Swinehart, Bruce A., to Corning Glass Works. Degradable glass suitable for containers. 3,811,853, 5-21-74, Cl 65-23.000.
Barthon, Stefan: *See*—
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Bartizal, Dennis C., to Minnesota Mining and Manufacturing Company. Highly branched capped polyurethanes for pressure sensitive adhesives. 3,796,678, 3-12-74, Cl. 260-29.2tn
Bartizal, John J., Jr. Folding machine roller. 3,846,884, 11-12-74, Cl. 29-127.000.
Bartl, Herbert: *See*—
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Striegler, Hellmut; Resz, Raoul; and Bartl, Herbert, 3,801,428.
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Bartlett, Christopher Leslie, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Inspection machine. 3,823,483, 7-16-74, Cl. 33-174.0pa.
Bartlett, David R.: *See*—
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Bartlett, David Ronald: *See*—
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Bartlett, Gary F.; and Zampetti, Patrick L., to Construction Specialties, Inc. Combination handrail and wall protector. 3,825,229, 7-23-74, Cl. 256-59.000
Bartlett, Homer E.: *See*—
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Bartlett, Kenneth G., to Singer Company, The. Digital high order interpolator. 3,813,529, 5-28-74, Cl. 235-152.000.
Bartlett, Lawrence D. Spray nozzle. 3,814,326, 6-4-74, Cl. 239-276.000.
Bartlett, Peter G. Welding system controller. 3,826,890, 7-30-74, Cl. 219-131.00r.
Bartlett, Philip Lee, to Du Pont de Nemours, E. I., and Company. Solid lubricant additives dispersed in perfluoroalkyl ethers with perfluoroalkyl ether acid dispersants. 3,788,987, 1-29-74, Cl. 252-25.000.
Bartlett, Philip Lee, to Du Pont de Nemours, E. I., and Company. Polyfluoroalkoxy alkylamido-carboxylic acids and salts thereof. 3,798,265, 3-19-74, Cl. 260-534.00m.
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Bartlett, Raymond H. Stump splitter. 3,845,797, 11-5-74, Cl. 144-2.00n.
Bartlett, William G.: *See*—
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Bartlett, William G.; Hoffman, Carvel D.; Jones, Duane T.; and Mangan, Edmund L., said Jones assor to Bethlehem Steel Corporation. Wide-range radiation gage for determining deviation of a material property with a controlled-gain detector in an interruptabl self-balancing measuring loop. 3,832,550, 8-27-74, Cl. 250-358.000.
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Bartley, Donald O.: *See*—
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Bartley, John E., to Zeta International Engineering, Inc. Automatic welding apparatus, 3,817,440, 6-18-74, Cl. 228-29.000.
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Bartley, Thomas S.; Descary, John Gilbert; Futcher, R. James; and Krishnan, R. Gopala, to International Paper Company. Method for producing nonwoven fabrics. 3,832,283, 8-27-74, Cl. 162-211.000
Bartling, Gerhard, to SKF Kugellagerfabriken GmbH Apparatus for temporarily storing thread in a spindleless spinning machine. 3,842,579, 10-22-74, Cl. 57-34.00r.
Bartling, Gerhard, to SKF Kugellagerfabriken GmbH. Method and apparatus for joining broken ends. 3,854,274, 12-17-74, Cl. 57-34.00r.
Bartling, Helmut: *See*—
Eberle, Herbert; Meyer, Wolfgang; and Bartling, Helmut, 3,800,032.
Bartlo, John S.; Safranski, Richard W.; Hart, Charles G., and Wieseckel, David A. Automatic scale control system and methods. 3,856,097, 12-24-74, Cl. 177-1.000.
Bartlo, Louis J.; and Bomberger, Howard B., Jr., to RMI Company Method of forming tapered metal pieces. 3,835,526, 9-17-74, Cl. 29-470.900.
Bartmann, Wilhelm; and Alpermann, Hans-Georg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Analgesic composition. 3,829,571, 8-13-74, Cl. 424-250.000.
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Bartnick, Henry J., to Eastman Kodak Company. Film unit diverter bar with collapsible spacer means. 3,799,778, 3-26-74, Cl. 96-76.00e.
Bartnicki, Wieslaw J.; and Polney, Richard J., to Enterprise Machine and Development Corporation. Variable feed means for jet texturing apparatus. 3,805,344, 4-23-74, Cl. 28-1.400.
Bartnik, Jerzy A.: *See*—
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Bartoe, Otto E., Jr., to Ball Brothers Research Corporation. Air foil structure. 3,807,663, 4-30-74, Cl. 244-42.0cc.
Bartok, Stephen; Klose, George J.; and Stewart, George W., to Opsonar Organ Corporation, mesne. Light collector for optical organ. 3,800,058, 3-26-74, Cl. 84-1.180.
Bartolini, Michael G., and Horner, Edmund E., to MacDermid Incorporated. Chelating/complexing dip in bright plating of brass. 3,838,022, 9-24-74, Cl. 204-32.00r.
Barton, Bruce E.; and Cardwell, Paul H., to Deepsea Ventures, Inc. Fused salt electrolysis to obtain manganese metal. 3,832,295, 8-27-74, Cl. 204-64.00r.
Barton, Derek Harold Richard; and Hesse, Robert Henry, to Research Institute for Medicine and Chemistry Inc. Process for 11,12-enolisation of 9α-halo-11-keto-steroids. 3,817,988, 6-18-74, Cl. 260-239.55c.
Barton, Derek Harold Richard; and Hesse, Robert Henry, to Research Institute for Medicine and Chemistry Inc. Protection of

steroid carbonyl group by enolisation. 3,845,040, 10-29-74, Cl. 260-239.55d.
Barton, George C.: *See*—
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Barton, Henry W.; and Cloud, Robert, to Unimac Company, Inc. Spray rinse device for washer-extractor. 3,811,300, 5-21-74, Cl. 68-12.00r.
Barton, Hugh M., Jr.; and Gray, Peter R., to Phillips Petroleum Company. Detection of elements by irradiating material and measuring scattered radiation at two energy levels. 3,843,881, 10-22-74, Cl. 250-269.000.
Barton, James C.; Christensen, Jon C.; and Mueller, James R., to Caterpillar Tractor Company. Vehicle seat. 3,788,697, 1-29-74, Cl. 297-307.000.
Barton, John: *See*—
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Barton, Lucian Anthony: *See*—
Ross, Daniel Louis; and Barton, Lucian Anthony, 3,852,771.
Barton, Oliver A., to Allied Chemical Corporation. Novel dry cleaning mixture. 3,794,590, 2-26-74, Cl. 252-170.000.
Barton, Oliver A.; and Murphy, Kevin P., to Allied Chemical Corporation. Novel non-flammable azeotrope solvent compositions. 3,836,474, 9-17-74, Cl. 252-171.000.
Barton, Raymond W.; and Herron, Joseph T., to Mead Johnson & Company. Diet feeding container. 3,838,784, 10-1-74, Cl. 215-11.000.
Barton, Robert L.: *See*—
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Barton, Robert S.: *See*—
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Barton, Stephen R.; and Diebler, Herman G., to Technicon Instruments Corporation. System and method for improved operation of a colorimeter or like optical analysis apparatus. 3,784,310, 1-8-74, Cl. 356-181.000.
Barton, Sterling C.: *See*—
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Barton, Sterling C.; and Schmitt, Nickolas, to General Electric Company. Composite armature core for dynamoelectric machine. 3,812,392, 5-21-74, Cl. 310-259.000.
Barton, Sterling C.; Archibald, James B.; and Albright, Robert W., to General Electric Company. Gas-cooled dynamoelectric machine. 3,833,826, 9-3-74, Cl. 310-52.000.
Barton, William Forbes; and Reese, William E., to Grigsby Barton, Inc.; and Peabody Barnes, Inc. Liquid level control system and switch assembly therefor. 3,823,328, 7-9-74, Cl. 307-118.000.
Barton-King Systems Corporation: *See*—
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Bartoo, Charles O.: *See*—
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Bartosek, Milan, to Maag Gear-Wheel & Machine Company Limited. Device for dressing grinding wheels. 3,830,215, 8-20-74, Cl. 125-11.00t.
Bartoszevicz, Joseph G.; Murphy, George H. Jr.; and Schmidt, Frederick W., to Fansteel Inc. Threading tool. 3,829,943, 8-20-74, Cl. 29-97.000.
Bartram, Nial C.: *See*—
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Bartram, Nial C., to Schick Incorporated. Nestabe hair dryer with tensioned positioning. 3,832,789, 9-3-74, Cl. 34-99.000.
Barts, Guenter: *See*—
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Barts, R. Richard, to Huntington Laboratories, Inc. Container holding bracket. 3,794,285, 2-26-74, Cl. 248-311.000.
Bartsch, Friedrich F., to Sybron Corporation. Aromatic alcohol-aromatic aldehyde carrier dyeing of aromatic polyamides. 3,836,327, 9-17-74, Cl. 8-173.000.
Bartsch, Wolfgang: *See*—
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Bartula, Richard J.: *See*—
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Bartusch, Alexander P. Power operated wrench mechanism. 3,791,242, 2-12-74, Cl. 81-57.130.
Bartys, Bernard A. Fishing tip-up apparatus. 3,807,078, 4-30-74, Cl. 43-17.000.
Bartz, William R., to International Business Machines Corporation. Stacker for continuous form sheets. 3,807,724, 4-30-74, Cl. 270-61.00f.
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Arsura, Emilio; Baruffini, Agostino; Giald, Franco; Pellegrini, Giovanni; Ponci, Riccardo; and Scrivani, Pietro, 3,835,189.
Barwell, Ian John, to Raleigh Industries, Limited. Method of and apparatus for truing spoked wheel. 3,789,475, 2-5-74, Cl. 29-159.200.
Barwell, John Harold. Methods and apparatus for applying tread to tyres or wheels. 3,808,076, 4-30-74, Cl. 156-96.000.
Barwig, Karlhorst; and Walker, Roland, to Siemens Aktiengesellschaft. Information storage having monitored functions. 3,801,802, 4-2-74, Cl. 235-153.0am.
Barwise, Robert D. Load handling apparatus. 3,841,507, 10-15-74, Cl. 214-92.000.
Baryshnikov, Gennady Fedorovich: *See*—
Groza, Viktor Filimonovich; Drozdov, Nikolai Ivanovich; Sharapov, Jury Nikolaevich; Garbovitsky-Gordon, Alexandr Iosipovich; Shakhpazov, Khristofor Sergeevich; Filatov, Nikolai Grigorievich; Skripnik, Ivan Timofeevich; Semkin, Alexei Trofimovich; Vasiliev,Vladimir Ivanovich; Judin, Valentin Dmitrievich; Belenky, Evgeny Jurievich; Grigorenko, Anatoly Evgenievich; and Baryshnikov, Gennady Fedorovich, 3,785,139.
Barzynski, Helmut; Jun, Mong-Jon; Saenger, Dietrich; and Volkert, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Lithographic printing plates and photoresists comprising a photosensitive polymer. 3,849,137, 11-19-74, Cl. 96-67.000.
Basa, Napoleon A. Dispenser device. 3,782,598, 1-1-74, Cl. 222-49.000.
Basadur, Marino Sidney, to Procter & Gamble Company, The. Hard surface rinse-coating composition and method. 3,852,075, 12-3-74, Cl. 106-11.000.
Basard, Robert; and Dalbera, Michel R. J., to International Standard Electric Corporation. Range-controlled variable gain device for pulse radar receiver. 3,810,178, 5-7-74, Cl. 343-16.00m.
Basch, Harold I.: *See*—
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Basche, Malcolm; and Fanti, Roy, to United Aircraft Corporation. Procedures for coatings substrates with silicon carbide. 3,850,689, 11-26-74, Cl. 117-229.000.
Bascom, Hollis H.; Greci, John J.; and Hoopengardner, Merle R., to Orcon Corporation. Method of face seaming carpet with a hot melt adhesive carpet seaming tape. 3,816,203, 6-11-74, Cl. 156-157.000.
Bascoul, Alain Georges Bernard; Bourdes, Jean-Paul; and Moulis, Jacques, to Agence Nationale de Valorisation de la Recherche (ANVAR). Biaxial compression-testing machine. 3,797,303, 3-19-74, Cl. 73-94.000.
Basel, Horst Aebli; Fleck, Fritz; Littlewood, Peter Stuart; and Mercer, Alec Victor, to Sandoz Ltd. Pyrazoline compounds. 3,849,406, 11-19-74, Cl. 260-239-700.
Baseley, Edward, to Lee, Raymond, Organization, Inc., The. Lunar shelter. 3,831,581, 8-27-74, Cl. 126-270.000.
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Bashkov, Vladimir Alexeevich; Martynov, Oleg Viktorovich; Sitnov, Anatoly Georgievich; Tikhonov, Sergei Sergeevich; Makarov, Mikhail Nikolaevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Gorlov, Semen Maximovich; Tseitlin, Aron Yakvlevich; Gritsun, Mikhail Danilovich; Ustjuzhanin, Vasily Nikolaevich; Nechaev, Leonid Semenovich; Mazun, Alexandr Ivanovich; Belousov, Vladimir Alexeevich; Scherbakov, Leonid Mikhailovich; Rozhkov, Valentin Pavlovich; and Kutilin, Vladimir Nikolaevich. Mod with a turning mechanism for continuous casting of metals. 3,805,878, 4-23-74, Cl. 164-283.000.

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Basile, Peter A., to Amerace Esna Corporation. Installation tool for flush mounted inserts. 3,815,209, 6-11-74, Cl. 29-240.000.

Basin, Naum Genrikhovich; Vysotsky, Alexei Viktorovich; Kurochkin, Anatoly Petrovich; and Okun, Ura Julievna. Worktable for positioning workpieces in measuring devices to check dimensions. 3,829,978, 8-20-74, Cl. 33-174.0ta.

Basiulis, Algerd, to Hughes Aircraft Company. Insulated cathode gun device. 3,813,571, 5-28-74, Cl. 313-326.000.

Basiulis, Algerd, to Hughes Aircraft Company. Cathode gun device. 3,814,974, 6-4-74, Cl. 313-326.000.

Baskakov, Jury Alexandrovich: *See—*
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Bass, Merlyn Duane; and Boushek, Sidney Joseph, Jr., to Deere & Company. Harvesting platform suspension system. 3,808,781, 5-7-74, Cl. 56-15.900.

Bass, Michael; and Bua, Dominic P., to Raytheon Company. Organ monocrystalline light wavelength changing element. 3,858,124, 12-31-74, Cl. 332-7.510.

Bass, Oscar, Jr.; Jenkins, Robert Bain, Sr.; and Horvat, Ivan, to Jenkins Metal Shops, Inc. Air control system for carding machines. 3,849,837, 11-26-74, Cl. 19-107.000.

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Bass, Sidney; and Rich, Hubert A., to Mattel, Inc. Pneumatic toy stove accessory. 3,831,314, -27-74, Cl. 46-14.000.

Bass, Thomas R. Holding and support device for replaceable bags having a segmented lid. 3,836,037, 9-17-74, Cl. 220-35.000.

Basse, Paul-Werner, to Siemens Aktiengesellschaft. Circuit arrangement of MOS transistors operating according to the dynamic principle for decoding the addresses for an MOS memory. 3,786,277, 1-15-74, Cl. 307-238.000.

Basse, Philip, to Comstron Corporation. Sensitive wide band voltmeters. 3,810,015, 5-7-74, Cl. 324-120.000.

Basse Sambre, Societe Anonyme Etudes Recherches et Entreprises: *See—*
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Basset, Jean-Claude; and Heins, Pierre, to U.S. Philips Corporation. Frequency synthesizer with coarse stairstep frequency control and fine phase control. 3,825,855, 7-23-74, Cl. 331-1.00a.

Basset, Jean-Claude, to U.S. Philips Corporation. Communication receiver with tuning circuits that tracking the L.O. 3,845,393, 10-29-74, Cl. 325-453.000.

Bassett, David Robinson; and Hoy, Kenneth Look, to Union Carbide Corporation. Polymerization using varying monomer concentration. 3,804,881, 4-16-74, Cl. 260-47.0ua.

Bassett, Howard D.; Schrage, Franklin E.; and Kirkpatrick, George F., to Union Carbide Corporation. Heat sealed polyester film. 3,798,116, 3-19-74, Cl. 161-231.000.

Bassett, Kirk W. Core chucks. 3,811,632, 5-21-74, Cl. 242-46.400.

Bassett, Marion Geraldine Currie; and Orr, Alfred Thorburn. Light control device. 3,832,541, 8-27-74, Cl. 240-106.00r.

Bassett, Max, to Shields, C. Nelson, Jr.; trustee. Methods of grouting offshore structures. 3,811,289, 5-21-74, Cl. 61-46.000.

Bassett, Max, to Shields, C. Nelson, Inc.; trustee. Pressure grouting. 3,832,857, 9-3-74, Cl. 61-46.000.

Bassett, Ronald M., to International Register Company. Spring driven timer. 3,827,232, 8-6-74, Cl. 58-21.130.

Bassett, Stephen H. Method of molding replica wooden beams. 3,803,277, 4-9-74, Cl. 264-48.000.

Bassett, William M.: *See—*
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Bassett, William W., to Honeywell Inc. Temperature compensated snap-beam actuator. 3,833,876, 9-3-74, Cl. 337-370.000.

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Bassi, Dario, to Verdol S.A. Loom jacquards of the double-lift type. 3,835,895, 9-17-74, Cl. 139-65.000.

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Bassist, Rudolph G., 1/2 to Travis Mills Corporation. Means for rolling up tubular fabric produced by a circular knitting machine. 3,842,627, 10u22-74, Cl. 66-151.000.

Bassler, Elmer A., Jr.: *See—*
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Basso, Eugenio; Viviani, Gaetano; and Cartabia, Luigi, to Fabbrica Italiana Magneti Marelli, S.p.A. Electronic control device for intermittent operation of a windscreen wiper, particularly for motor vehicles. 3,783,362, 1-1-74, Cl. 318-443.000.

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Bassot, Jacques; and Monpetit, Louis, to Societe des Procedes Modernes d'Injection Sopromi. High speed fuel injection system. 3,822,678, 7-9-74, Cl. 123-32.0ea.

Bastacky, Simon. Process for treating industrial wastes. 3,813,321, 5-28-74, Cl. 204-149.000.

Bastard, Gilbert; and Moulin, Michel, to Battelle Memorial Institute. Printer for alphanumeric characters. 3,857,470, 12-31-74, Cl. 197-1.00r.

Bastgen, Aloys. Reinforced concrete ribbed ceiling. 3,849,957, 11-26-74, Cl. 52-327.000.

Bastgen, Wendel, to Firma Alb. Klein K-G. Filter. 3,800,952, 4-2-74, Cl. 210-324.000.

Bastiaans, Cedric R., to Westinghouse Electric Corporation. High speed cartridge. 3,851,840, 12-3-74, Cl. 242-198.000.

Bastiaans, Cedric R., to Westinghouse Electric Corporation. High speed tape cassette. 3,851,841, 12-3-74, Cl. 242-199.000.

Bastiaans, Cedric R. High speed tape cassette. 3,851,842, 12-3-74, Cl. 242-199.000.

Bastiaans, Cedric R. High speed tape cassette. 3,857,532, 12-31-74, Cl. 242-199.000.

Bastian, Clyde E., Jr., to Global Marine Inc. Method of clearing a path through ice. 3,808,997, 5-7-74, Cl. 114-40.000.

Bastian, Elmer, to Oak Industries, Inc. Method for coupling and bandpass control in UHF varactor tuners. 3,783,420, 1-1-74, Cl. 334-39.000.

Bastide, Paul. Safety apparatus for a vehicle. 3,829,122, 8-13-74, Cl. 280-150.00b.

Bastide, Pierre: *See—*
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Bastow, Donald. Fuel metering divice. 3,824,975, 7-23-74, Cl. 123-139.00a.

Basu, Prithwis; Neumann, Guenter; and Gaudek, Jani, to Agfa-Gevaert Aktiengesellschaft. Arrangement for unloading a film cartridge. 3,835,745, 9-17-74, Cl. 83-285.000.

Basu, Samir, to International Computers Limited. Modulation circuit wherein clock signal is modulated with first and second modulation signals. 3,800,245, 3-26-74, Cl. 332-9.00t.

Baswell, Harlen L.: *See—*
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Bataille, Roger; Maison, Francois P.; and Curvalc, Pierre Paul, to Electronique Marcel Dassault. Radiolocation system. 3,789,411, 1-29-74, Cl. 343-113.00r.

Batcheller, George C., Co., Inc.: *See—*
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Batcheller, Roy W.: *See—*
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Batchelor, David H., Jr., to Monsanto Company. Stabilization of polyester fibers with carbodiimide. 3,852,101, 12-3-74, Cl. 117-138.80f.

Batchelor, Donald G.: *See—*
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Batchelor, Floyd O., to Lee, Raymond, Organization, Inc., The. Sewing caddy. 3,850,487, 11-26-74, Cl. 312-252.000.

Batcher, Kenneth E.; and Franks, John T., Jr., to Goodyear Aerospace Corporation. Multiple access plated wire memory. 3,786,448, 1-15-74, Cl. 340-174.0pw.

Batcher, Kenneth E., to Goodyear Aerospace Corporation. Multidimensional access solid state memory. 3,800,289, 3-26-74, Cl. 340-172.500.

Batcher, Kenneth E., to Goodyear Aerospace Corporation. Permutation network. 3,812,467, 5-21-74, Cl. 340-172.500.

Batdorf, Jack B.; and Weiss, Steven M., to Hercules Incorporated. Concrete compositions or mixes and additive therefor. 3,788,869, 1-29-74, Cl. 106-93.000.

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Bate, Edward R., Jr.: *See—*
United States of America, National Aeronautics and Space Administration, 3,817,082.

Bate, Robert T.; Kinch, Michael A.; and Buss, Dennis D., to Texas Instruments, Incorporated. Infra-red quantum differential detector system. 3,808,435, 4-30-74, Cl. 250-332.000.

Bate, Robert Thomas: *See—*
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Wrobel, Joseph S.; and Bate, Robert Thomas, 3,831,030.

Bate, Robert Thomas. Magnetic field detector employing plural drain inlet. 3,829,883, 8-13-74, Cl. 357-23.000.

Batebilt Pty. Limited: *See—*
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Bateman, Charles H., Jr.; Campbell, Allan A.; and Capasso, James J., to Remington Arms Company, Inc. Vented test barrel assembly for revolver ammunition. 3,854,331, 12-17-74, Cl. 73-167.000.

Bateman, Edward L., Limited: *See—*
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Bateman, J. W. Casing expanding mandrel. 3,818,734, 6-25-74, Cl. 72-75.000.

Bateman, James H.: *See—*
Riedel, John Y., 3,817,487.

Bateman, John; and Gordon, David A., to Ciba-Geigy Corporation. Soluble polyimides derived from phenylindane diamines and dianhydrides. 3,856,752, 12-24-74, Cl. 260-65.000.

Bateman, John H., to Ciba-Geigy Corporation. Preparation of aromatic carbonyl hydroxamoyl chlorides. 3,794,620, 2-26-74, Cl. 260-566.00a.

Bateman, Robert F.: *See—*
Eckdahl, Thomas H.; and Bateman, Robert F., 3,811,595.

Bateman, Robert F., to Plastics, Inc. Tray. 3,811,566, 5-21-74, Cl. 206-509.000.

Batenburg, Abram, to Westinghouse Electric Corporation. Peak detector. 3,842,356, 10-15-74, Cl. 328-150.000.

Bates, Arthur C., to I-T-E Imperial Corporation. Contacts for use in vacuum switch arrangements. 3,783,212, 1-1-74, Cl. 200-144.000.

Bates, Bruce L., to Phillips Petroleum Company. Cryogenic extraction process for natural gas liquids. 3,846,993, 11-12-74, Cl. 62-23.000.

Bates, Charles F.: *See—*
Leibowitz, Lawrence M.; and Bates, Charles F., 3,824,562.

Bates, Charles Ross. Rinse method and machine. 3,848,290, 11-19-74, Cl. 15-321.000.

Bates, Clayton W.; and Wallace, Richard A. Activated iodide X-ray image intensifier screen. 3,836,784, 9-17-74, Cl. 250-483.000.

Bates, Clayton W., Jr.; and Eidson, John C., to Varian Associates. Image intensifier plate and method and compositions for manufacturing same. 3,855,035, 12-17-74, Cl. 156-306.000.

Bates, Emile Bernard. Thermal treatment of textiles. 3,805,020, 4-16-74, Cl. 219-496.000.

Bates, Emile Bernard. Method of treating a fibric web with a liquid. 3,819,325, 6-25-74, Cl. 8-151.000.

Bates, Emile Bernard. Roller machine for processing goods. 3,822,485, 7-9-74, Cl. 34-121.000.

Bates, Herbert E.: *See—*
Cocks, Franklin H.; and Bates, Herbert E., 3,784,860.

Bates, Homer J.: *See—*
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Bates, James E.; Farren, Francis J.; and Sklute, Jerome, to GAF Corporation. Composite film elements. 3,844,789, 10-29-74, Cl. 96-68.000.

Bates, James John, to National Research Development Corporation. Electrical brushes. 3,818,588, 6-25-74, Cl. 29-630.00e.

Bates, John F.; Holmes, James J.; Paxton, Michael M.; and Straalsund, Jerry L., to United States of America, Atomic Energy Commission, mesne. Irradiation swelling resistant alloy for use in fast neutron reactors. 3,856,517, 12-24-74, Cl. 75-128.00a.

Bates, John Joseph; Jackson, Eric Arthur; and Smith, Gordon, to Coal Industry (Patents) Limited. Recording apparatus. 3,786,511, 1-15-74, Cl. 346-33.000.

Bates, Keith: *See—*
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Bates, Leo D.; and Caldwell, Melvin R., to Raymond Corporation, The. Manually-controlled hydraulic actuator systems. 3,834,494, 9-10-74, Cl. 187-9.000.

Bates Manufacturing Company, The: *See—*
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Bates Packaging Services, Inc., mesne: *See—*
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Bates, Robert W.: *See—*
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Bates, Roy G.; and Dahl, William R., to Honeywell, Inc. Solenoid actuated recording apparatus. 3,824,603, 7-16-74, Cl. 346-141.000.

Bates, W. E., Engineering Co., Inc.: *See—*
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Bates, Walter E.: *See—*
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Bates, Wayne C.: *See—*
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Bates, Wayne C.; and Stavenau, Harold L., to Truth Incorporated. Window structure. 3,796,009, 3-12-74, Cl. 49-453.000.

Bates, Wayne C., to Truth Incorporated. Sash lock. 3,811,718, 5-21-74, Cl. 292-241.000.

Bates, William C.: *See—*

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Batesky, Donald C.; and Schultz, William C., to Eastman Kodak Company. Process for preparing N-tertiary-butoxycarbonyl amino acids. 3,855,238, 12-17-74, Cl. 260-326.14t.

Bateson, Norman E.; and Pringle, William L., to Pullman Incorporated. Cargo handling and transportation system. 3,802,354, 4-9-74, Cl. 105-368.00r.

Bateson, Norman E.; and Pringle, William L., to Pullman Incorporated. Truss-type cargo-carrying vehicle. 3,806,182, 4-23-74, Cl. 296-1.00a.

Bateson, Norman E.; and Pringle, William L., to Pullman Incorporated. Truss-type cargo-carrying vehicle. 3,820,747, 6-28-74, Cl. 244-118.000.

Batesville Casket Company, Inc.: *See—*
Hillenbrand, George C.; and Wettering, Carl A., 3,804,688.

Bath, Cyril, Company, The: *See—*
Brauer, E. Henry, 3,805,576.

Bath Institute of Medical Engineering, The: *See—*
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Bath, Wesley W.; Harlock, George H.; and Forte, William B., to National Gypsum Company. Dry power adhesive compositions. 3,808,017, 4-30-74, Cl. 106-214.000.

Bathellier, Andre; and Germain, Michel, to Commissariat a l'Energie Atomique. Method of purification of trilaurylamine. 3,855,298, 12-17-74, Cl. 260-583.00n.

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Batley, William R., Jr., to Batley, William R., Jr., mesne. Pet litter produced by recycled molasses serum. 3,821,346, 6-28-74, Cl. 264-115.000.

Batley, William R., Jr., to Batley-Janss Enterprises. Process for the manufacture of dog bedding. 3,839,522, 10-1-74, Cl. 264-115.000.

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Batley-Janss Enterprises: *See—*
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Batlles, Jorge Ferrer; Salat, Carlos Ferrar; and Riera, Juan Colome, to Laboratories Ferrer S. L. Therapeutic composition and method of treating patients therewith. 3,836,668, 9-17-74, Cl. 424-319.000.

Batorewicz, Valeria; and Loving, Jerry P., to Housing Systems Corporation. Expandable prefabricated building system and method of construction. 3,782,063, 1-1-74, Cl. 52-63.000.

Batorewicz, Wadim. Polymeric phosphite polyols. 3,819,771, 6-25-74, Cl. 260-921.000.

Batorski, Edward J., to Textron, Inc. Gear finishing apparatus. 3,782,041, 1-1-74, Cl. 51-33.00w.

Batozsky, Vadim Ivanovich: *See—*
Makeev, Boris Anatolievich; Stepochkin, Lev Mikhailovich; Batozsky, Vadim Ivanovich, Korot, Garri Moiseevich; and Gladkikh, Anatoly Ivanovich, 3,830,121.

Batrukova, Maria Grigorievna: *See—*
Krasnov, Mikhail Mikhailovich; Stelmakh, Mitrofan Fedorovich; Malyshev, Boris Nikolaevich; Prozorov, Vladimir Nikolaevich; Saprykin, Pavel Ivanovich; and Batrukova, Maria Grigorievna, 3,828,788.

Batsch, Guy, to Societe Civile Textile dite: Socitex. Twisting devices for filaments. 3,788,057, 1-29-74, Cl. 57-77.400.

Batsch, Guy, to Societe Civile Textile dite: Socitex. Twisting device for filaments, especially for textile filaments. 3,811,258, 5-21-74, Cl. 57-34.0hs.

Batson, Dossie M. Multiple load storage and transfer apparatus. 3,825,131, 7-23-74, Cl. 214-38.00c.

Batson, Robert E.: *See—*
Bachmann, Andrew; and Batson, Robert E., 3,814,156.

Batson, Robert E.; Haviland, Girard S.; and Matchett, David, to Loctite Corporation. Coating apparatus. 3,795,224, 3-5-74, Cl. 118-308.000.

Batson, Robert E.; and Bachmann, Andrew G., to Loctite Corporation. Coating process. 3,826,673, 7-30-74, Cl. 117-62.200.

Batson, William A.: *See—*
Seely, Robert W.; and Batson, William A., 3,811,361.

Batson, William A., to Singer Company, The. Chuck device for sabre saws. 3,795,980, 3-12-74, Cl. 30-394.000.

Batson, William A., to Singer Company, The. Power-driven chain saw with automatic and manual lubricating pump. 3,844,380, 10-29-74, Cl. 184-15.00r.

Batt, Richard A., to International Paper Company. Apron. 3,801,985, 4-9-74, Cl. 2-48.000.

Battaerd, Hendrik Adrian Jacobus; Clouston, John Gannon; and Moore, Philip William. Process of polymerization. 3,814,677, 6-4-74, Cl. 204-159.220.

Battaerd, Hendrik Adrian Jacobus; Bolto, Brian Alfred; and Shah, Pir Ghulam Samadani, to ICI Australia Limited and Commonwealth Scientific and Industrial Research Organization. Ion exchange resins having both acidic and basic ion-exchange sites. 3,839,237,10-1-74, Cl. 260-2.10r.

Battaerd, Hendrik Adrian Jacobus, to ICI Australia Limited and Commonwealth Scientific and Industrial Research Organization. Process of manufacturing polymer particles of irregular shape. 3,849,525, 11-19-74, Cl. 264-6.000.

Battaglia, Dino; Bergonzi, Mario; Teagno, Wladimiro; and Trevisiol, Franco, to AMP Incorporated. Electrical connector housing. 3,825,880, 7-23-74, Cl. 339-59.00r.

Battail, Gerard, to Thomson-CSF. Decoding device of the weighting and feed-back type. 3,805,236, 4-16-74, Cl. 340-146.laq.

Battarel, Claude; and Nori, Jean-Pierre, to TECSI (Techniques et Systemes Informatiques). Register for propagating magnetic domains. 3,855,584, 12-17-74, Cl. 340-174.0mc.

Battcock, Whalley Vowe: *See—*
Hoy, Herbert Raymond; Johnson, Ronald Leslie; and Battcock, Whalley Vowe, 3,784,108.

Battelle Development Corporation: *See—*
Crites, Nelson A.; and Schaer, Glenn R., 3,788,955.
Driskell, Thomas D.; and Hassler, Craig R., 3,807,446.
Maringer, Robert E.; and Mobley, Carroll E., 3,838,185.
Russell, James T., 3,795,902.

Battelle Development Corporation, The: *See—*
Allen, Charles H.; and Smith, Willfred F., 3,814,130.
Allen, Richard P.; and Nelson, Ronald D., 3,856,579.
Busch, Raymond A., 3,856,537.
Crites, Nelson A.; and Chambers, Samuel P., 3,803,485.
Dawson, Gaynor W., 3,842,000.
Genequand, Pierce, 3,842,267.
Givens, Benjamin M., Jr., 3,808,085.
Hsieh, Jack Jui-Chang; Cline, John F.; and Kornberg, Harry A., 3,822,015.
Leith, Emmett N.; and Upatnieks, Juris, 3,838,903.
Lewis, Jordan D.; Verber, Carl M.; and McGhee, Robert B., 3,829,838.
Little, Lawrence L., 3,830,947.
Maringer, Robert E.; and Mobley, Carroll E., 3,838,185.
Russell, James T., 3,795,902.
Russell, James T., 3,806,643.
Stewart, Oliver M.; Maringer, Robert E.; and Mobley, Carroll E., Jr., 3,812,901.
Strohecker, Daniel E., 3,788,128.

Battelle Development Corporation, The, mesne: *See—*
Ekstrom, A.; and Taylor, Ronald R., 3,822,696.

Battelle Memorial Institute: *See—*
Bastard, Gilbert; and Moulin, Michel, 3,857,470.
Crites, Nelson A., 3,786,679.
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Croquelois, Jean-Pierre; Erskine, William; and Gerber, Raymond, 3,834,301.
Doniat, Denis; Porta, Augusto; and Mosetti, Jacques, 3,827,961.
Eggers, Philip E., 3,786,861.
Ehretsmann, Jacques; Barbey, Emile; and Heinzer, Paul, 3,847,265.
Gillot, Jacques; and Lux, Benno, 3,809,635.
Gordon, Richard Lee; and Allen, Errol V., 3,842,366.
Heinzer, Paul, 3,806,353.
Heinzer, Paul, 3,826,573.
Luscher, Jakob, 3,796,968.
Luscher, Jakob, 3,845,331.
Meylan, Jean-Luc, 3,848,656.
Moore, Raymond H., 3,855,386.
Schneider, Karl; Cuenoud, Gerard; Bouladon, Gabriel; and Zuppiger, Paul, 3,788,232.
Wheeler, Kenneth R.; Sump, Kenneth R.; and Karagianes, Manuel T., 3,852,045.

Battelle-Institut e.V.: *See—*
Hartmann, Rudolf; and Zimmermann, Horst, 3,811,283.

Batter, John F., Jr.: *See—*
Land, Edwin H.; and Batter, John F., Jr., 3,806,245.

Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., to Polaroid Corporation. Processing composition release mechanism for film cassette comprising self-contained film processing system. 3,785,725, 1-15-74, l. 352-78.000.

Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., to Polaroid Corporation. Processing composition release mechanism for film cassette comprising self-contained film processing system. 3,830,563, 8-20-74, l. 352-130.000.

Batter, John F., Jr., to Polaroid Corporation. Photographic system. 3,830,564, 8-20-74, Cl. 352-130.000.

Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., to Polaroid Corporation. Processing composition release mechanism for film cassette comprising self-contained film processing system. 3,832,048, 8-27-74, l. 352-130.000.

Batteux, Armand, to Societe Anonyme Francaise du Ferodo. Vane wheels. 3,782,855, 1-1-74, Cl. 418-180.000.

Batteux, Armand, to Societe Anonyme Francaise du Ferodo. Bladewheels. 3,817,656, 6-18-74, Cl. 416-180.000.

Battigelli, Jean, to Saint-Gobain. Production of fibers from thermoplastic materials, particularly glass fibers. 3,819,345, 6-25-74, Cl. 65-6.000.

Battini, Roberto: *See—*
Clementi, Anacleto; and Battini, Roberto, 3,809,688.

Battista, Albert D.: *See—*
La Marre, David A.; Battista, Albert D.; and Smith, Donald A., 3,831,104.

Battista, Orlando A.: *See—*
Cruz, Mamerto M., Jr.; Battista, Orlando A.; Tressler, LaVerne C.; and Cirolla, Carmine, 3,810,473.

Battista, Orlando A., to Avicon, Inc., mesne. Pharmaceutical compositions containing microcrystalline collagen, a water-insoluble, ionizable, partial salt of collagen. 3,821,371, 6-28-74, Cl. 424-145.000.

Battista, Orlando A., to Avicon, Inc., mesne. Cosmetic compositions containing microcrystalline collagen, a water-insoluble, ionizable, partial salt of collagen. 3,839,590, 10-1-74, Cl. 424-359.000.

Battisti, Sylvester J., to Ford Motor Company. Liquid-to-liquid heat exchanger. 3,831,672, 8-27-74, Cl. 165-154.000.

Battle, Billy J., to United States Pipe and Foundry Company. Flange joint. 3,836,183, 9-17-74, Cl. 285-363.000.

Battle Creek Packaging Machines, Inc.: *See—*
Holt, Ronald, 3,823,813.

Battle, Jno R.: *See—*
Southgate, Al Paiso; and Battle, Jno R., 3,794,119.

Battle-Creek Packaging Machinery; Div. of Franklin Electric Subsidiaries, Inc.: *See—*
Walter, Frederick L.; and Holt, Ronald, 3,855,758.

Battrick, Peter Edward, to Northern Electric Company Limited. Pushbutton electronic pulsing dial. 3,787,639, 1-22-74, Cl. 179-90.00k.

Battrick, Peter Edward, to Bell-Northern Research, Ltd. Electronic signalling circuit for a coin telephone. 3,806,651, 4-23-74, Cl. 179-6.500.

Batts, John H.: *See—*
Garrison, Judd F.; and Batts, John H., 3,788,488.

Batts, John Thomas, Inc.: *See—*
Garrison, Judd F.; and Batts, John H., 3,788,488.

Baturov, Vladimir Ivanovich; Prilutsky, Yakov Khaimovich; Shiborin, Viktor Ivanovich; and Shkoropad, Dmitry Evseevich. Method for suspension separation and apparatus for accomplishing same. 3,819,110, 6-25-74, Cl. 233-17.000.

Batz, James E., to Northern Illinois Gas Company. Shaft encoder for apparatus having luminous phosphor source. 3,815,126, 6-4-74, Cl. 340-347.00p.

Batz, James E., to Northern Illinois Gas Company. Contactless switch device. 3,823,355, 7-9-74, Cl. 317-246.000.

Batzer, Hans: *See—*
Habermeier, Juergen; Batzer, Hans; and Porret, Daniel, 3,793,321.
Habermeier, Juergen; Batzer, Hans; and Porret, Daniel, 3,821,242.
Habermeier, Juergen; Batzer, Hans; and Porret, Daniel, 3,853,874.
Habermeiter, Jurgen; Buxbaum Lothar; and Batzer, Hans, 3,856,754.
Lohse, Friedrich; Schmid, Rolf; and Batzer, Hans, 3,821,165.
Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, 3,793,248.
Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, 3,799,894.
Schmid, Rolf; Lohse, Friedrich; Fisch, Willy; and Batzer, Hans, 3,810,855.
Schmid, Rolf; Lohse, Friedrich; Fisch, Willy; and Batzer, Hans, 3,816,365.

Batzer, Hans; Habermeier, Juergen; and Porret, Daniel, to Ciba-Geigy AG. N,N'-Diglycidyl-dicarboxylic acid dianilides. 3,798,242, 3-19-74, Cl. 260-348.00a.

Batzer, Hans; Habermeier, Juergen; and Porret, Daniel, to Ciba-Geigy AG. Diglycidyl ethers of five and six membered N-heterocyclic compounds. 3,828,045, 8-6-74, Cl. 260-260.000.

Bau-Stahlgewebe GmbH: *See—*
Elle, Erich, 3,810,376.

Ettenreich, Ludwig; Reimann, Otto; and Greulich, Klaus, 3,795,550.

Bauch, Ernst, to Neumunstersche Maschinen- und Apparatebau Gesellschaft m.b.H. Heated roller and method of heating the same. 3,794,118, 2-26-74, Cl. 165-90.000.

Bauch, Ernst, to Neumunstersche Maschinen- und Apparatebau Gesellschaft mbH. Apparatus for treating and winding of spun filaments. 3,801,242, 4-2-74, Cl. 425-66.000.

Bauch, Ernst; and Beitz, Jurgen, to Neumunstersche Maschinen- und Apparatebau Gesellschaft mbH. Crimping of filamentary materials. 3,802,038, 4-9-74, Cl. 28-72.110.

Bauch, Ernst, to Neumunstersche Maschinen- und Apparatebau Gesellschaft mbH. Method of and apparatus for crimping of filamentary materials. 3,802,039, 4-9-74, Cl. 28-72.110.

Bauch, Ernst, to Neumunstersche Maschinen- und Apparatebau Gesellschaft m.b.H. Apparatus for stretching extensible materials. 3,802,494, 4-9-74, Cl. 165-89.000.

Bauch, Ernst, to Neumunstersche Maschinen- und Apparatebau Gesellschaft mbH. Apparatus for crimping of filamentary materials. 3,824,656, 7-23-74, Cl. 28-1.300.

Bauch, Ernst; and Beitz, Juergen, to Neumunstersche Maschinen- und Apparatebau Gesellschaft mbH. Apparatus for crimping of filamentary material. 3,849,844, 11-26-74, Cl. 28-1.300.

Bauchmann, Donald K. Control devices for dampers and the like. 3,825,182, 7-23-74, Cl. 236-1.00c.

Baucom, Larry H. Pallet and pallet leg. 3,804,032, 4-16-74, Cl. 108-51.000.

Baud, Roger. Process and device for extracting blood from slaughtered animals. 3,857,137, 12-31-74, Cl. 17-1.00c.

Baude, Lucien Louis, to Etablissements Joints. Expansible element for an assembling device and devices including said element. 3,851,559, 12-3-74, Cl. 85-64.000.

Bauder, Armin: *See—*
Steinwart, Johannes; and Bauder, Armin, 3,782,869.

Baudhuin, George J., to Beatrice Foods Co. Cherry pit flour consisting of finely ground cherry hulls and cherry kernels. 3,821,431, 6-28-74, Cl. 426-148.000.

Baudin, Pol: *See—*
Plumat, Emile; Schottey, Jean; and Baudin, Pol, 3,822,122.
Van Laethem, Robert; Baudin, Pol; and Hoyois, Jean-Claude, 3,790,748.
Van Laethem, Robert; and Baudin, Pol, 3,801,423.

Baudo, Giuseppe; and Bombara, Giuseppe, to Centro Sperimentale Metallurgico S.p.A. Process for improving the protective properties of chromium-oxide based compound coatings, by means of stabilization of the chromium ion. 3,853,593, 12-10-74, Cl. 117-62.000

Baudouin, Pascal, to Mobil Oil Corporation. Grease composition. 3,809,647, 5-7-74, Cl. 252-28.000.

Bauer, Adolf; Weber, Karl-Heinz; Danneberg, Peter; and Minck, Kalus, to Boehringer Ingelheim G.m.b.H. 1-(Phenyl or pyridyl)-1,3-dihydro-2H-1, 4-benzodiazepin-2-ones. 3,786,051, 1-15-74, Cl. 260-239.30d.

Bauer, Adolf; Weber, Karl Heinz; Merz, Herbert; Zeile, Karl; Giesemann, Rolf; and Danneberg, Peter, to Boehringer Ingelheim GmbH. 5-(Pyridyl or phenyl)-1H-2,3,4,5-tetrahydro-1,5-benzodiazepin-ones and salts thereof. 3,816,409, 6-11-74, Cl. 260-239.30b.

Bauer, Alex: *See—*
Glaesener, Ernest; Schleimer, Francois; Wagner, Fernand; Goedert, Ferdinand; Bauer, Alex; and Mousel, Robert, 3,782,921.

Bauer, Alfred. Type head for typewriting machine. 3,842,959, 10-22-74, Cl. 197-52.000.

Bauer, Alfred F., to NL Industries, Inc. Method of making die castings having multi-layer coated surfaces. 3,797,101, 3-19-74, Cl. 29-527.300.

Bauer, Alfred F., to NL Industries, Inc. Tilting molten metal dispenser with constant liquid head control. 3,856,183, 12-24-74, Cl. 222-70.000.

Bauer, Benjamin B., to Columbia Broadcasting System, Inc. Decoders for quadruphonic sound utilizing wave mathing logic. 3,784,744, 1-8-74, Cl. 179-1.0gq.

Bauer, Benjamin B.; and Gravereaux, Daniel W., to Columbia Broadcasting System, Inc. Encoder for multi-channel sound system. 3,794,780, 2-26-74, Cl. 179-100.45t.

Bauer, Benjamin B., to Columbia Broadcasting System, Inc. Four-channel decoder with improved gain control. 3,794,781, 2-26-74, Cl. 179-16.00g.

Bauer, Benjamin B., to Columbia Broadcasting System, Inc. Apparatus for reproducing quadraphonic sound. 3,798,373, 3-19-74, Cl. 179-1.0gq.

Bauer, Benjamin B., to Columbia Broadcasting System, Inc. Quadraphonic reproducing system with gain riding logic. 3,812,295, 5-21-74, Cl. 179-1.0gq.

Bauer, Benjamin B., to CBS, Inc. Apparatus for reproducing quadruphonic sound. 3,821,471, 6-28-74, Cl. 179-1.0gq.

Bauer, Benjamin B., to Columbia Broadcasting System, Inc. Matrix decoders for quadraphonic sound system. 3,835,255, 9-10-74, Cl. 179-1.0gq.

Bauer Bros. Co., The: *See—*

Ginaven, Marvin E., 3,815,740.
Horstman, Anton J.; and McNeil, William M., 3,843,065.
Jewell, Jack D.; and Skeen, Lawrence E., 3,799,456.
Moore, William P., 3,835,999.
Skeen, Lawrence; Jewell, Jack; Landis, Franklin E.; and Mc Neil, William M., 3,799,461.
Starrett, James R., 3,814,662.
Woodruff, Maurice D., 3,833,461.

Bauer, Carl: *See*—
Bauer, Carl Otto; Bode, Ernst; Diehl, Karl; and Rauhaus, Gerd, 3,854,350.

Bauer, Carl Otto; Bode, Ernst; Diehl, Karl; and Rauhaus, Gerd, to Bauer, Carl. Production of externally threaded bolts or the like with intersecting right-hand and left-hand helices. 3,854,350, 12-17-74, Cl. 76-107.00r.

Bauer, Clifford D., to Anheuser-Busch, Incorporated. Method of preparing starch esters. 3,839,320, 10-1-74, Cl. 260-233.500.

Bauer Corporation: *See*—
Rehm, Roger P., 3,828,889.

Bauer, David J., to Ford Motor Company. Latch and anti-rattle clip. 3,811,725, 5-21-74, Cl. 296-66.000.

Bauer, Donald J.: *See*—
Elges, Carl H., III; Hasket, Philip R.; Bauer, Donald J.; and Lindstrom, Roald E., 3,784,669.
Haskett, Philip R.; Bauer, Donald J.; Lindstrom, Roald E.; and Elges, Carl H., III, 3,833,717.

Bauer, Donald J.; Lindstrom, Roald W.; and Schultze, Lawrence E., to United States of America, Interior. Solvent extraction procedure for separating samarium from neodymium. 3,812,232, 5-21-74, Cl. 423-21.000.

Bauer, Edward F., to United States of America, Army. Ultra-sonic weld inspection device. 3,832,889, 9-3-74, Cl. 73-71.5us.

Bauer, Edwin Francis; Dokken, Roger Nels; Hard, Robert Amos; and Malhotra, Umesh Kumar, to Union Carbide Corporation. Process for the decarburization of molten metal. 3,816,720, 6-11-74, Cl. 235-151.120.

Bauer Engineering, Inc.: *See*—
Bauer, William J., 3,799,217.
Matschke, Donald E.; Tenny, Alfred M.; and Gregersen, Jack K., 3,819,799.
Meissner, John F., Sr., 3,796,658.

Bauer, Eugene C.: *See*—
Bauer, Terrence E.; Bauer, Michael E.; and Bauer, Eugene C., 3,823,875.

Bauer, Everhard. Apparatus for manufacturing a tray for packaging goods in shrinkable sheeting. 3,792,646, 2-19-74, Cl. 93-51.000.

Bauer, Everhard. Packaging machine. 3,807,128, 4-30-74, Cl. 53-159.000.

Bauer, Felix; and Valdenaire, Claude. Refuse incinerator. 3,847,095, 11-12-74, Cl. 110-14.000.

Bauer, Frederick T.; Cairo, Anthony C.; and Holkeboer, Ronald E., to Robertshaw Controls Company. Space thermostat with automatic solid state anticipator. 3,799,433, 3-26-74, Cl. 236-68.00b.

Bauer, Friedrich, to Hoerbiger Ventilwerke Aktiengesellschaft. Compressor valve. 3,812,880, 5-28-74, Cl. 137-516.150.

Bauer, Fritz, to Suspa Federungstechnik GmbH. Hydraulically lockable lifting device. 3,825,244, 7-23-74, Cl. 267-124.000.

Bauer, Fritz. Seating furniture. 3,837,704, 9-24-74, Cl. 297-345.000.

Bauer, Fritz F. Energy storing device, particularly a blockable pneumatic spring. 3,790,119, 2-5-74, Cl. 248-400.000.

Bauer, George B.; and Thornberg, Dean S., said Thornberg assor. to E-Systems Inc. Pendulum stabilization for antenna structure with radome. 3,789,414, 1-29-74, Cl. 343-761.000.

Bauer, George T., to Xerox Corporation. Instrument for scanning document for quality. 3,820,900, 6-28-74, Cl. 356-200.000.

Bauer, George T., to Xerox Corporation. Partially transparent plates for increased image contrast. 3,837,732, 9-24-74, Cl. 350-235.000.

Bauer, Gunther: *See*—
Cardinal, Jutta; Heinrich, Karl; and Bauer, Gunther, 3,857,233.

Bauer, Gunther; Kramer, Lothar; and Kuhn, Helmut, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of crimped fibers and filaments of linear high molecular weight polymers. 3,832,435, 8-27-74, Cl. 264-16.000.

Bauer, Herbert. Clock having means for periodically dispensing and controlling the release of articles. 3,815,780, 6-11-74, Cl. 221-15.000.

Bauer, Hugh B.: *See*—
Obler, Henry D.; and Bauer, Hugh B., 3,818,814.

Bauer, Ignaz: *See*—
Nitzsche, Siegfried; Zeller, Norbert; Graf, Werner; and Bauer, Ignaz, 3,792,071.
Nitzsche, Siegfried; Bauer, Ignaz; Graf, Werner; and Zeller, Norbert, 3,798,252.

Bauer, Ignaz; Nitzsche, Siegfried; Zeller, Norbert; and Graf, Werner, to Wacker-Chemie GmbH. Process for manufacture of alkenylsilanes. 3,793,358, 2-19-74, Cl. 260-448.20e.

Bauer, James J., to Clark Equipment Company. Control lever friction clutch. 3,850,258, 11-26-74, Cl. 180-6.480.

Bauer, Johann: *See*—
Balwe, Thomas; Bauer, Johann; Fendel, Kurt; Kurz, Dieter; and Sabel, Alex, 3,817,959.
Balwe, Thomas; Bauer, Johann; and Schleberger, Franz, 3,817,963.
Fendel, Kurt; Bauer, Johann; and Kohl, F. Johannes, 3,835,105.
Gabriel, Richard; Balwe, Thomas; Bauer, Johann; Fendel, Kurt; and Kaczerofsky, Rupert, 3,842,055.
Kurz, Kieter; Bauer, Johann; Balwe, Thomas; Fendel, Kurt; and Sabel, Alex, 3,855,190.
Reinecke, Herbert; Adler, Kalus; Bauer, Johann; Kretschmer, Reinhard; Lamhofer, Gerhard; and Pichler, Engelbert, 3,846,362.
Streich, Georg; and Bauer, Johann, 3,792,393.

Bauer, Johann; and Popp, Walter, to Wacker-Chemie GmbH. Method for production of plasticized thermoplastic powder mixtures. 3,849,365, 11-19-74, Cl. 260-34.200.

Bauer, John August, to RCA Corporation. Pulse modulation and detection communications system. 3,796,831, 3-12-74, Cl. 178-68.000.

Bauer, Joseph John, to Burroughs Corporation. Digital data retrieval system with dynamic window skew. 3,827,078, 7-30-74, Cl. 360-45.000.

Bauer, Karl; Illg, Peter; and Putsch, Siegfried, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Thread reserve-forming devices. 3,792,818, 2-19-74, Cl. 242-18.0pw.

Bauer, Karl H.: *See*—
Schippers, Heinz; Bauer, Karl H.; and Frolich, Karl-Werner, 3,831,005.

Bauer, Karl-Heinz: *See*—
Labude, Wolfgang; and Bauer, Karl-Heinz, 3,846,732.

Bauer, Karlheinz. Vibrator device for earth boring or compacting. 3,800,889, 4-2-74, Cl. 175-19.000.

Bauer, Karlheinz. Hydraulic repeating hammer. 3,805,896, 4-23-74, Cl. 173-16.000.

Bauer, Kurt: *See*—
Bossert, Friedrich; Vater, Wulf; Bauer, Kurt; and Adams, Karl-Heinz, 3,784,684.
Deutscher, Hans-Christian; and Bauer, Kurt, 3,831,219.
Hopp, Rudolf; and Bauer, Kurt, 3,856,815.
Kohler, Alfred; and Bauer, Kurt, 3,787,129.

Bauer, Lieselotte: *See*—
Krueger, Friedrich; and Bauer, Lieselotte, 3,784,469.
Krueger, Friedrich; and Bauer, Lieselotte, 3,791,978.
Krueger, Friedrich; Bauer, Lieselotte; and Michel, Walter, 3,796,749.
Krueger, Friedrich; Bauer, Lieselotte; and Michel, Walter, 3,816,517.
Krueger, Friedrich; and Bauer, Lieselotte, 3,832,393.

Bauer, Manfred; Hellberg, Gerhard; and Reiniger, Friedrich, to U.S. Philips Corporation. Device for X-ray photography, in particular for mammography. 3,824,397, 7-16-74, Cl. 250-320.000.

Bauer, Michael E.: *See*—
Bauer, Terrence E.; Bauer, Michael E.; and Bauer, Eugene C., 3,823,875.

Bauer Ordnance Company: *See*—
Bauer, Russell E.; and Bauer Ordnance Company, 3,842,458.

Bauer, Peter: *See*—
Baumann, Hans; Glaser, Rudolf; and Bauer, Peter, 3,847,656.
Bowles, Ronald E.; and Bauer, Peter, 3,798,959.
Glaser, Rudolf; Schmidtchen, Juergen; and Bauer, Peter, 3,796,775.
Glaser, Rudolf; Schmidtchen, Juergen; and Bauer, Peter, 3,812,207.

Bauer, Peter; and Bowles, Ronald E., to Bowles Fluidics Corporation. Miniaturized fluidic element and circuit construction. 3,811,474, 5-21-74, Cl. 137-833.000.

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Bauer, Rudolf: *See*—
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Bauer, Russell E.; and Bauer Ordnance Company. Wire cutter bayonet or knife. 3,842,458, 10-22-74, Cl. 7-5.600.

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Bauerlen, Hans, to Bosch, Robert, G.m.b.H. Method of constructing recording heads. 3,798,756, 3-26-74, Cl. 29-592.000.

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Bauger, Louis Jules: *See*—
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Bauger, Madeleine Henriette Aimee, and Olivier, Jeanne Denise: *See*—
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Baugh, Archie. Rotary engine. 3,807,370, 4-30-74, Cl. 123-43.00c.

Baugh, Benton F., to Vetco Offshore Industries, Inc. Orienting tubing hanger apparatus through which side pocket mandrels can pass. 3,807,497, 4-30-74, Cl. 166-85.000.

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Baugh, Raymond Ernest: *See*—
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Baughman, Herbert W.; and Yetter, Harry G. Chisel plow. 3,812,919, 5-28-74, Cl. 172-328.000.

Baughman, Karl T.; and Shannon, Richard L., to Sears, Roebuck and Co. Typewriter with sliding tambour cover. 3,837,464, 9-24-74, Cl. 197-186.00r.

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Baugirdas, Kristupas; and Reddy, Redreddy Sukumar, to V.A.C. Industries, Inc. Outside plug door system. 3,826,042, 7-30-74, Cl. 49-213.000.

Bauke, Friedrich G. K., to Jenaer Glaswerk, Schott & Gen. Break resistant membrane. 3,822,198, 7-2-74, Cl. 204-195.00m.

Bauknecht, Gunter; Hadam, Wilhelm; and Ploppa, Jurgen, to Stroll, H., and Company. Data storage means for electrical control systems particularly for knitting machines. 3,820,082, 6-24-74, Cl. 340-172.500.

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Baule, Gerhard M., to Instruments for Cardiac Research Inc. Method and apparatus for producing sample electrocardiograms. 3,824,990, 7-23-74, Cl. 128-2.06g.

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Baum, Arthur A.; and Rothman, Leonard A., to Du Pont de Nemours, E. I., and Company. Process for color stable alkyl and alkenyl acid phosphate compositions. 3,852,288, 12-3-74, Cl. 260-247.70d.

Baum, Charles L., to Machlett Laboratories, Incorporated, The. X-ray tube target. 3,790,838, 2-5-74, Cl. 313-60.000.

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Baum, Edward A.: *See*—
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Baum, George; and Lynn, Merill, to Corning Glass Works. Potassium ion sensitive electrode. 3,835,011, 9-10-74, Cl. 204-195.00m.

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Baum, Jasper: *See*—
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Baum, Jesse J. Direct reduction method using inductive heating. 3,844,765, 10-29-74, Cl. 75-10.00r.

Baum, John W.; and Diekman, John D., to Zoecon Corporation. Novel products. 3,850,992, 11-26-74, Cl. 260-612.00d.

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Baum, Laszlo: *See*—
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Baum, Melvin E., to Koppers Company, Inc. Unsaturated polyester resins. 3,836,606, 9-17-74, Cl. 260-861.000.

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Bauman, Gunther; Schmidt, Peter; Eisele, Hermann; and Wahl, Josef, to Bosch, Robert, GmbH. Electronic fuel consumption meter. 3,812,710, 5-28-74, Cl. 73-114.000.

Bauman, Jack L.; and Erickson, Vedrick A. Seed dispenser for planters. 3,848,552, 11-19-74, Cl. 111-77.000.

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Bauman, Martin F., Jr. Golf bag warmer. 3,800,863, 4-2-74, Cl. 165-47.000.
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Baumanis, Bruno, to Molex Incorporated. Toggle switch. 3,800,110, 3-26-74, Cl. 200-67.00c.
Baumann, Albert C., to Texas Instruments, Incorporated. Process for making a plastic-encapsulated semiconductor device. 3,793,709, 2-26-74, Cl. 29-588.000.
Baumann, Albert C. Carrier block and tray for use in encapsulation of semiconductor devices. 3,799,535, 3-26-74, Cl. 269-309.000.
Baumann, Andrew A. Expansible chamber device. 3,786,727, 1-22-74, Cl. 91-493.000.
Baumann, Arthur; and Langenegger, Werner. Weighing apparatus including pulse counter means having a relatively small capacity. 3,816,156, 6-11-74, Cl. 177-15.000.
Baumann, Arthur N., to International Minerals & Chemical Corporation. Defluorinated phosphate feed supplement production. 3,851,086, 11-26-74, Cl. 426-381.000.
Baumann, Arthur V. Rail extension device for ladders. 3,791,487, 2-12-74, Cl. 182-201.000.
Baumann, Bernard, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Thermoplastic lined hollow metal bodies and method. 3,794,203, 2-26-74, Cl. 220-5.00a.
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Baumann, Eduard, to Zellweger AG. Storage switch arrangement. 3,848,240, 11-12-74, Cl. 340-174.00r.
Baumann, Franz; Bayerlein, Friedrich; Habereder, Peter-Paul; and Stache, Helmut, to Diamalt Aktiengesellschaft. Process for production of a carboxymethyl starch suitable particularly for use in detergents. 3,808,137, 4-30-74, Cl. 252-89.000.
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Baumann, Frederick William; and Rayner, Albert, to General Electric Company. Lubricating means for a dynamoelectric machine end shield housing. 3,833,276, 9-3-74, Cl. 308-187.000.
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Baumann, Hans; Glaser, Rudolf; and Bauer, Peter, to BASF Aktiengesellschaft. Method of coating or bonding metals. 3,847,656, 11-12-74, Cl. 117-132.00c.
Baumann, Hans D., to Masoneilan International, Inc. Valve apparatus with double, rigid and resilient metal seat means. 3,805,839, 4-23-74, Cl. 137-625.350.
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Baumann, Hans D.; and Keith, Gareth Allan, to Masoneilan International, Inc. Quick change apparatus for effecting gas flow pressure reduction with low noise generator. 3,813,079, 5-28-74, Cl. 251-127.000.
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Baumann, Kurt, to Krups, Robert. Dry shaver. 3,824,687, 7-23-74, Cl. 30-43.920.
Baumann, Ludwig. Appliance for bubbling compressed air through a liquid, particularly water in a bathing tub and the like. 3,809,073, 5-7-74, Cl. 128-66.000.
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Baumgarten, Carl B., to Gomco Surgical Manufacturing Corporation. Circumcision clamp. 3,802,439, 4-9-74, Cl. 128-346.000.
Baumgarten, Carl B., to Gomco Manufacturing Corporation. Automatic shut-off valve. 3,827,452, 8-6-74, Cl. 137-205.000.
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Baumgartner, Franz; Schmieder, Helmut; Goldacker, Hubert; and Hausberger, Helmut, to Gesellschaft fur Kernforschung mbH. Device for the continuous extractive separation of compounds of valuable substances by electrolytic reduction. 3,793,177, 2-19-74, Cl. 04-269.000.

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Baumgartner, Heinrich; and Schultze, Manfred, to Siemens Aktiengesellschaft. Operational method and apparatus for the representation of characters. 3,828,343, 8-6-74, Cl. 340-324.00a.
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Baumgartner, Kurt, to Graphicart Internationale Ausrustungsgesellschaft fur graphische kunst AG. Fluid spreading and wiping device for etching machines for rotogravure cylinders. 3,810,272, 5-14-74, Cl. 15-256.520.
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Baur, Albert, to Daimler-Benz Aktiengesellschaft. Vehicle body with box-shaped hollow bearer. 3,814,457, 6-4-74, Cl. 280-106.000.
Baur, Eduard. Casting mold and basin-like riser therefor. 3,815,665, 6-11-74, Cl. 164-359.000.
Baur, Hellmuth; and Schraft, Horst, to Werner & Pfleiderer, Firma. Continuous tunnel oven for baking and/or drying. 3,813,216, 5-28-74, Cl. 432-230.000.
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Bazil, Ludek, to Sulzer Brothers Ltd. Centrifuge. 3,791,576, 2-12-74, Cl. 233-19.00r.

Bazille, James H., Jr., to Minnesota Mining and Manufacturing Company. Solderless wire connector. 3,804,971, 4-9-74, Cl. 174-88.00r.

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Bazin, Lucas John, to RCA Corporation. Apparatus for automatic color balancing of television camera signals. 3,786,177, 1-15-74, Cl. 178-5.4bt.

Bazin, Lucas John, to RCA Corporation. Beam current stabilization and blanking apparatus. 3,831,056, 8-20-74, Cl. 315-30.000.

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Beach, David Easton, to Eastman Kodak Company. Indicator light for camera having electronic shutter. 3,791,273, 2-12-74, Cl. 95-11.00v.

Beach, David Easton, to Eastman Kodak Company. Dead bulb sensing mechanism. 3,856,456, 12-3-73, Cl. 431-92.000.

Beach, John R., to Signode Corporation. Gripping mechanism for strapping machine. 3,791,420, 2-12-74, Cl. 140-93.200.

Beach, Laurence R.; Junge, Bjarne; and Zentgraf, Henry J., to International Business Machines Corporation. Article handling and data retrieval. 3,831,197, 8-20-74, Cl. 360-71.000.

Beach, Leland K.: *See—*

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Beach, Theodore L., Jr. Wide angle mirror. 3,797,920, 3-19-74, Cl. 350-303.000.

Beach, William A.; and Schlauch, Richard M., to Sybron Corporation. Settling rate tester. 3,812,966, 5-28-74, Cl. 210-70.000.

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Beacham, John; and Carey, John Gerard, to Imperial Chemical Industries Limited. Manufacture of 1,1-disubstituted-4,4-bipyridylium salts and related compounds. 3,793,335, 2-19-74, Cl. 260-295.0am.

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Beal, Glenn I., to Smith, R. M., Inc. Hose nozzle with improved insulating protector structure. 3,799,447, 3-26-74, Cl. 239-288.500.

Beal, Philip E., III; Fonken, Gunther S.; and Pike, John E., to Upjohn Company, The. Prostaglandin F_2 analogs. 3,852,316, 12-3-74, Cl. 260-413.000.

Beal, Philip F., III; and Pike, John E., to Upjohn Company, The. Dihydro PGA. 3,821,280, 6-28-74, Cl. 260-468.00d.

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Beale, Louis C., Jr.: *See—*
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Beale, William T., to Research Corporation. Means and method for prevention of piston creep in free-piston reciprocating device. 3,828,558, 8-13-74, Cl. 60-520.000.

Beali, Nelson J., to General Mills, Inc. Package for uniformly shaped chip type snack food products. 3,852,485, 12-3-74, Cl. 426-106.000.

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Beall, Glen L.: *See—*
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Beals, Wayne D. Nailing machine. 3,820,705, 6-28-74, Cl. 227-113.000.

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Beam, Richard M.: *See—*
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Beam, William S., III. Pedal extenders for bicycle. 3,789,696, 2-5-74, Cl. 74-594.100.

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Bean, Charles P.; and De Blois, Ralph W., to General Electric Company. Particle analyzer. 3,815,024, 6-4-74, Cl. 324-71.0cp.

Bean, Charles P., to General Electric Company. Method for forming selectively perforate bodies. 3,852,134, 12-3-74, Cl. 156-8.000.

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Bear, Clarence. Quick mount tire chains. 3,833,039, 9-3-74, Cl. 152-241.000.

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Bear, James E.: *See—*
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Bearden, Edith Mae: *See*—
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Bearden, John E., to Environmental Technology Corporation. Liquid treatment apparatus. 3,852,384, 12-3-74, Cl. 261-77.000.
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Beasley, Robert W., to Nelson, Ted, Company. Form for portable concrete building module. 3,811,646, 5-21-74, Cl. 249-144.000.
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Beaumont, Alan: *See*—
Stone, Wayne B., Jr.; and Beaumont, Alan, 3,810,246.

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Beaupre, Robert E.: *See*—
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Beazer, Charles W., to Phillips Petroleum Company. Fluid containment system. 3,782,581, 1-1-74, Cl. 220-9.00a.
Beazley, Aubrey G., to Farah Manufacturing Company, Inc. Fabric, joining and sewing device. 3,793,968, 2-26-74, Cl. 112-121.290.
Beazley, Aubrey Glenn: *See*—
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Bebb, William Hobart; and Gustafson, Gary Boyd, to Eastman Kodak Company. Energy absorbing mounting for optical modulation assemblies. 3,833,295, 9-3-74, Cl. 355-32.000.
Bebick, Paul J.: *See*—
Brooks, Robert A.; and Bebick, Paul J., 3,798,539.
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Beccu, Klaus. Negative electrode of titanium-nickel alloy hydride phases. 3,824,131, 7-16-74, Cl. 136-20.000.
Bechara, Ibrahim S.; and Mascioli, Rocco L., to Air Products and Chemicals, Inc. Catalyzing urethane foam polymerization with 4-(2-dimethylaminoethyl) morpholine. 3,786,005, 1-15-74, Cl. 260-2.5ac.
Bechara, Ibrahim S.; and Holland, Dewey G. Use of certain aminoorthoesters as polyurethane catalysts. 3,786,029, 1-15-74, Cl. 260-75.0nc.
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Bechstein, Ernest L.; and Cronauer, Donald C., to Borg-Warner Corporation. Process of dehydrohalogenation of alpha, beta-dihalogenated propionic acid compounds. 3,845,095, 10-29-74, Cl. 260-465.700.
Bechstein, Herbert; Jaenke, Hans-Jurgen; Muller, Rolf; Ritter, Ernst; and Staudt, Heinrich, to Bosch, Robert, G.m.b.H. Centrifugal governor for controlling the RPM of injection type internal combustion engines. 3,830,211, 8-20-74, Cl. 123-140.00r.
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Becht, Guenter; Matthias, Klaus; Kunde, Joachim; Pohlemann, Heinz; and Ramlow, Gerhard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of filaments or fibers of polyamides. 3,839,496, 10-1-74, Cl. 260-857.0tw.
Becht, H. Allen; Campbell, James; Kerschner, James J.; and Krollman, Edward J., to Acme Highway Products Corporation. Composite expansion joint assembly. 3,830,583, 8-20-74, Cl. 404-69.000.
Bechtel, Alfred R., Jr., to Ashworth Bros. Inc. Card clothing 3,793,677, 2-26-74, Cl. 19-113.000.
Bechtel, Alfred R., Jr., to Ashworth Bros. Inc.: Wire mesh belt. 3,794,155, 2-26-74, Cl. 198-194.000.
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Bechtel, Thomas F., to United States of America, Air Force. Apparatus for the direct measurements of thermal stresses. 3,842,654, 10-22-74, Cl. 73-15.600.
Bechtle, Robert M., to Kansas State University Research Foundation. Conversion of whey solids to an edible yeast cell mass. 3,818,109, 6-18-74, Cl. 426-41.000.
Bechtold, Arthur W., to Chemway Corporation. Ophthalmic composition comprising water-soluble alkaloid salts of polyuronic acids. 3,792,164, 2-12-74, Cl. 424-180.000.

Bechtold, Johann, to Maschinenfabrik Moenus Aktiengesellschaft. Machine for treating lasted uppers. 3,828,384, 8-13-74, Cl. 12-1.00a.

Bechtold, Max Fredrick; and Tullock, Charles William, to Du Pont de Nemours, E. I., and Company. Composition of isomeric trichlorodifluorobenzenes. 3,852,366, 12-3-74, Cl. 260-650.00f.

Beck, Alexander. Facet grinding apparatus. 3,811,230, 5-21-74, Cl. 51-127.000.

Beck, August: *See—*
Ziemek, Gerhard; Beck, August; Gwnia, Ewald; Schatz, Friedrich; and Arntz, Hans-Joachim, 3,791,416.

Beck, August, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Spacer construction for thermally insulating concentric tubes. 3,826,286, 7-30-74, Cl. 138-114.000.

Beck, Carl A., to Certain-Teed Products Corporation, mesne. Apparatus for wrapping molded pipe insulation. 3,837,971, 9-24-74, Cl. 156-447.000.

Beck, Charles A., to Diamond Shamrock Corporation. Hard surface cleaners. 3,835,070, 9-10-74, Cl. 252-526.000.

Beck, Charles E.; and Zatyko, D. Richard, to General Electric Company. Stabilization of mercury-vapor discharge lamps. 3,821,578, 6-28-74, Cl. 313-44.000.

Beck, Charles, Machine Corporation: *See—*
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Beck, David F.: *See—*
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Beck, Don D. Pipe handling apparatus. 3,825,129, 7-23-74, Cl. 214-2.500.

Beck, Dr., & Co., AG: *See—*
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Beck, Edward: *See—*
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Beck, Edwin J., to H-B Industries Inc. Parameter compensating circuit for flow meter. 3,822,377, 7-2-74, Cl. 235-151.340.

Beck, Erich. Method of comminuting synthetic-resin articles. 3,833,178, 9-3-74, Cl. 241-3.000.

Beck, Francis Xavier, Jr., and Kinslow, William Edward, Jr., to RCA Corporation. Merchandise handling and identifying system. 3,819,012, 6-25-74, Cl. 186-1.00a.

Beck, Frederick R., to McGill Manufacturing Company, Inc. Microlever switch operator. 3,832,508, 8-27-74, Cl. 200-332.000.

Beck, Fritz; Haufe, Juergen; and Nohe, Heinz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of sebacic acid diesters. 3,783,112, 1-1-74, Cl. 204-59.00r.

Beck, Fritz; Haufe, Juergen; and Nohe, Heinz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Electrolytic condensation of carboxylic acids. 3,787,299, 1-22-74, Cl. 204-59.00r.

Beck, Fritz; Sabelus, Guenther; Fischer, Roman; and Haufe, Juergen, to BASF Aktiengesellschaft. Electrocoating composition containing an acid binder present as the salt of an arylamine, alkynyl amine, quaternary ammonium hydroxide or. 3,819,548, 6-25-74, C. 260-18.00r.

Beck, George Morland: *See—*
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Beck, Gerhard; Beck, Richard; Muller, Alfred; Muller, Hermann; and Gluck, Eberhard, to Lechler Apparatebau KG. Tool holder for lathes. 3,840,928, 10-15-74, Cl. 10-89.00h.

Beck, Gerhard O.: *See—*
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Beck, Gunther; and Holtschmidt, Hans, to Bayer Aktiengesellschaft. 2,5-Dichlorothiazolothiazole and process for preparing same. 3,829,435, 8-13-74, Cl. 260-306.80f.

Beck, Gunther; and Holtschmidt, Hans, to Bayer Aktiengesellschaft. Certain 4-chlorothiazoles and process for preparing same. 3,833,601, 9-3-74, Cl. 260-302.00r.

Beck, Hans (Stahlbau-Fertigbau): *See—*
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Beck, Harold R.; and Swett, James B., to Dart Industries Inc. Mold for congealable foodstuffs and the like. 3,799,493, 3-26-74, Cl. 249-104.000.

Beck, Heinz-Jurgen: *See—*
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Beck, Henry E.; and Peterson, Wayne A., to Caterpillar Tractor Company. Dual control valve assembly. 3,847,059, 11-12-74, Cl. 91-413.000.

Beck, Henry N.; Ledbetter, Harvey D.; and Schmitt, John A., to Dow Chemical Company, The. Nucleation of normally crystalline vinylidene chloride polymers. 3,793,265, 2-19-74, Cl. 260-91.700.

Beck, Henry N.; Ledbetter, Harvey D.; and Schmitt, John A., to Dow Chemical Company, The. Nucleation of normally crystalline vinylidene chloride polymers. 3,819,595, 6-25-74, Cl. 260-87.700.

Beck, Henry Nelson, to Dow Chemical Company, The. Nucleation of isotactic polystyrene. 3,817,966, 6-18-74, Cl. 260-93.50a.

Beck, Inc.: *See—*
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Beck, Ivan: *See—*
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Beck, James C.; Hartzler, Earnest D.; and Nielsen, Harrie W., to Singer Company, The. Directional signal beacon. 3,851,165, 11-26-74, Cl. 240-41.300.

Beck, James R., to Lilly, Eli, and Company. Sulfilimine compounds. 3,786,048, 1-15-74, Cl. 260-239.600.

Beck, James R., to Lilly, Eli, and Company. N-alkoxyalkyl idenesulfonamide compounds as herbicides. 3,832,155, 8-27-74, Cl. 71-103.000.

Beck, James R., to Lilly, Eli, and Company. N¹-aryloxy(arylthio) dinitrosulfanilamides. 3,840,569, 10-8-74, Cl. 260-397.70r.

Beck, James R.; and Suhr, Robert G., to Lilly, Eli, and Company. Substituted benzonitriles. 3,857,862, 12-31-74, Cl. 260-347.200.

Beck, Jerry G.; Dickason, Richard T.; and Ray, Donald J., to Ford Motor Company. Vehicle windshield. 3,794,809, 2-26-74, Cl. 219-203.000.

Beck, John. Semifinished universal automotive seat cover kit for custom fitted installation. 3,841,700, 10-15-74, Cl. 297-219.000.

Beck, Joseph J., to McQuay-Perfex, Inc. Recuperators for incinerators. 3,829,285, 8-13-74, Cl. 432-223.000.

Beck, Joseph J., to McQuay-Perfex Inc. Portable gas heater. 3,846,616, 11-5-74, Cl. 219-365.000.

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Beck, Leonard R. Simplified valve assembly. 3,794,067, 2-26-74, Cl. 137-343.000.

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Beck, Martin. Ganged sod harvesting apparatus. 3,812,918, 5-28-74, Cl. 172-19.000.

Beck, Maurice Sidney; Calvert, George; Mendies, Patrick John; and Cunlifee, Malcolm, to Fielden Electronics Limited. Measurement of flow in a hydraulic system. 3,820,392, 6-28-74, Cl. 73-194.00e.

Beck, Norman G., to Teledyne Industries, Inc. Fuel regulating system for an internal combustion engine. 3,797,470, 3-19-74, Cl. 123-140.00r.

Beck, Ralph A.: *See—*
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Beck, Ralph A., to Beloit Corporation. Shower structure for paper machine. 3,839,148, 10-1-74, Cl. 162-310.000.

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Beck, Richard F.; and Cerny, Louis T., to Elgin, Joliet and Eastern Railway Company. Wiggle track section. 3,848,534, 11-19-74, Cl. 104-26.00a.

Beck, Robert H.; and Rusch, Kenneth C., to Ford Motor Company. Means for fastening a structural member subject to creep. 3,856,424, 12-24-74, Cl. 403-227.000.

Beck, Robert H., Jr.: *See—*
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Beck, Robert J.; Heikkinen, Wilbert; and Johnson, Robert T., to Brunswick Corporation. Friction lock for outboard motor throttle hand grip. 3,782,219, 1-1-74, Cl. 74-531.000.

Beck, Roderick; Harmon, James F.; Shatila, Mounir A.; Richins, David A.; and Lach, John, to American Potato Company. French fry cut potato dough piece. 3,782,969, 1-1-74, Cl. 426-145.000.

Beck, Roderick; Harman, James F.; Shatila, Mounir A.; Richins, David A.; and Lack, John. Apparatus for reconstituting dry potato agglomerates into potato dough. 3,789,750, 2-5-74, Cl. 99-536.000.

Beck, Roger W.; and Yoder, Douglas J., to General Motors Corporation. Process for etching silicon wafers. 3,813,311, 5-28-74, Cl. 156-17.000.

Beck, Ronald A.; and Breu, Dennis L., to Sperry Rand Corporation. Core patch stringing apparatus. 3,849,861, 11-26-74, Cl. 29-203.0mm.

Beck, Ronald A.; and Breu, Dennis L., to Sperry Rand Corporation. Core stringing apparatus. 3,857,155, 12-31-74, Cl. 29-203.0mm.

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Beck, Russell R.; George, David B.; and Anderson, Charles W., to Kennecott Copper Corporation. Process for producing pelletized metal sulfide materials. 3,789,097, 1-29-74, Cl. 264-82.000.

Beck, Siegfried; and Siebold, Manfred, to Bosch, Robert, GmbH. Control valve unit in pneumatic braking system. 3,832,015, 8-27-74, Cl. 303-40.000.

Beck, Thomas M.; Eletto, Richard J.; and Martin, Donald J., to Stauffer Chemical Company. Process for the purification of dialkyl phosphorochloridothionates. 3,794,703, 2-26-74, Cl. 260-990.000.

Beck, Warren R.; and Sweeny, Norman P., to Minnesota Mining and Manufacturing Company. Incompressible, conformable structure containing cellular particles. 3,787,908, 1-29-74, Cl. 5-348.0wb.

Beck, William A., to Beck, Inc. Automatic shoe polisher. 3,784,997, 1-15-74, Cl. 15-31.000.

Beck, William D. Self-chilling container with safety device and method of making same. 3,852,975, 12-10-74, Cl. 62-294.000.

Beck, William P.: *See—*
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Beckage, Thomas; and Locks, Williams S., to Weston Instruments, Inc. Profile gauging system. 3,822,383, 7-2-74, Cl. 250-308.000.

Becke, Friedrich: *See—*
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Beckenbach, Karl. Inclined furnace for calcination and sintering of material particularly splint limestone. 3,856,463, 12-24-74, Cl. 432-96.000.

Beckens, Alfred. Fruit harvesting apparatus. 3,808,786, 5-7-74, Cl. 56-329.000.

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Becker, Alvin L. Fireplace unit. 3,809,058, 5-7-74, Cl. 126-120.000.

Becker, Alvin R.: *See—*
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Becker, Bernhard. Portable rod or true bender. 3,808,867, 5-7-74, Cl. 72-321.000.

Becker, Carl: *See—*
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Becker, Clifford. Self-propelled dual-jack hoist. 3,817,401, 6-18-74, Cl. 214-1.00d.

Becker, Denis John: *See—*
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Becker, Dustin J., to Lorain Products Corporation. A-C voltage detector. 3,836,790, 9-17-74, Cl. 307-235.00r.

Becker, Edward B., to United States of America, Navy. Tetrahedral stereotaxic jig. 3,841,148, 10-15-74, Cl. 73-65.000.

Becker, Ernst; Naarmann, Herbert; Schneider, Jurt; and Kessler, Hellmuth. Acetylene group-containing polymers. 3,857,821, 12-31-74, Cl. 260-78.40e.

Becker, Folke; and Jones, Hugh H. Process and apparatus for reducing air pollution from internal combustion engines. 3,805,520, 4-23-74, Cl. 60-274.000.

Becker, Frederick J., to Duluth Scientific, Inc. Wiring guides for computer core memories. 3,818,464, 6-18-74, Cl. 340-174.0ma.

Becker, Frederick L.; and Trantow, Richard L., to United States of America, Atomic Energy Commission. Isometric imaging system. 3,792,423, 2-12-74, Cl. 340-5.0mr.

Becker, Georg; and Kleindrettle, Karl, to Schwaab, W. L., Lackfabriken KG. Apparatus and process for the making and coating of hollow bodies. 3,815,535, 6-11-74, Cl. 113-120.00a.

Becker, Gerald O., to American Optical Corporation. Transcutaneous blood vessel probe with relocation marker. 3,810,459, 5-14-74, Cl. 128-2.05z.

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Becker, Harold D., to Cornell Aeronautical Laboratory, Inc. Communication apparatus having a ranging capability. 3,790,940, 2-5-74, Cl. 343-12.00r.

Becker, Harold D., to Datel Corporation. Input/output mechanism for keyboard printer unit. 3,802,545, 4-9-74, Cl. 197-19.000.

Becker, Heinz; and Steigerwald, Karl-Heinz, said Steigerwald assor. to Steigerwald Strahltechnik GmbH. Finely perforated artificial gas and water vapor pervious wrapping for foodstuffs. 3,813,731, 6-4-74, Cl. 17-34.000.

Becker, Helmut: *See—*
Von Bogdandy, Ludwig; Becker, Helmut; Grewer, Rudolf; Pantke, Heinz Dieter; and Pohl, Ulrich, 3,810,609.

Becker, Hermann, K.G.: *See—*
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Becker, Horst; and Kohlert, Gerhard, to Vereinigte Deutsche Metallwerke AG. Austenitic steel alloy adapted to be welded without cracking. 3,837,846, 9-24-74, Cl. 75-124.000.

Becker, James H.: *See—*
Adams, James E.; Becker, James H.; and Haas, Werner E. L., 3,836,230.
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Becker, James M.: *See—*
Jackson, William E.; and Becker, James M., 3,841,493.

Becker, James R.; and Furlow, Richard H. Aerosol fire extinguisher and method. 3,804,759, 4-16-74, Cl. 252-8.000.

Becker, James R. Toy bottle warmer with sounding means, visible signal and bottle elevating means. 3,805,440, 4-23-74, Cl. 46-14.000.

Becker, James R., Jr. Development of a digital dual mode VOR indicator for light aircraft. 3,803,611, 4-9-74, Cl. 343-106.00r.

Becker, Jean-Jacques: *See—*
Heiler, Wolfgang; Muller, Rudolf; and Becker, Jean-Jacques, 3,808,993.
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Becker, John E., to Cluaran Associated Ltd. Vented hydraulic coupling. 3,820,329, 6-28-74, Cl. 60-336.000.

Becker, Josef: *See—*
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Becker, Josef, to Schottel-Werft Josef Becker KG. Lubricating device for a Z-drive for ships. 3,799,291, 3-26-74, Cl. 184-6.180.

Becker, Joseph F., to Irvin Industries Inc. Seat belt retractor. 3,807,522, 4-30-74, Cl. 180-82.00c.

Becker, Joseph T. Vehicle landing control. 3,838,855, 10-1-74, Cl. 273-95.00b.

Becker, Julius C., to Becker Manufacturing Company, Incorporated. Floor assembly for animal enclosures. 3,815,550, 6-11-74, Cl. 119-28.000.

Becker, Karl Heinz: *See—*
Pohlke, Rolf; Jonas, Rochus; Mehrhof, Werner; Schlier, Hans-Jochen; Becker, Karl Heinz; Nowak, Herbert; and Simane, Zdenek, 3,838,147.

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Becker, Kurt; and Seidel, Hans-Georg, to Heye, Hermann. Apparatus for cutting off successive portions from a strand of plastic material such as a strand of viscous glass. 3,786,707, 1-22-74, Cl. 83-299.000.

Becker, Kurt; and Seidel, Hans-Georg, to Heye, Hermann. Apparatus for feeding gobs of molten vitreous or plastic material into molds of a machine for forming bottles or similar containers with control means for controlling the movement of the molds. 3,787,96, 1-22-74, Cl. 65-164.000.

Becker, Kurt, to Heye, Hermann. Press and blow machine for the production of containers. 3,803,877, 4-16-74, Cl. 65-241.000.

Becker, Kurt; and Schaar, Lothar, to Hermann Heye. Method and apparatus for the evaporative cooling tools of glass forming machines. 3,838,997, 10-1-74, Cl. 65-17.000.

Becker, Kurt, to Hermann Heye. Process for the production of glass bottles or the like. 3,839,004, 10-1-74, Cl. 65-79.000.

Becker, Kurt; and Seidel, Hans-Georg, to Heye, Hermann. Apparatus for feeding gobs of molten vitreous or plastic material into molds of a machine for forming bottles or similar containers. 3,841,859, 10-15-74, Cl. 65-207.000.

Becker, Larry F.: *See—*
Andres, William A.; Quanrud, Larry D.; Koppa, Charles J.; Becker, Larry F.; Christoffersen, William K.; and Keely, James L., 3,851,950.

Becker, Larry T.: *See—*
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Becker, Lothar; Kahr, Kurt; Rapp, Guenther; and Mannheim, Otto Waschka, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Recovery of caprolactam form oligomers by heating and film distillation. 3,855,080, 12-17-74, Cl. 203-89.000.

Becker, Ludwig: *See—*
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Becker, Maureen E.: *See—*
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Becker, Otto Alfred: *See—*
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Becker, Otto Alfred. Process for welding metal coated sheet structures. 3,798,406, 3-19-74, Cl. 219-92.000.

Becker, Otto Alfred. Process for welding sheet metal coated with layers. 3,798,407, 3-19-74, Cl. 219-92.000.

Becker, Otto Alfred. Composite wall element for thermal and acoustic insulation. 3,803,784, 4-16-74, Cl. 52-173.000.

Becker, Otto Alfred. Electrical resistance welding of coated sheet metals. 3,805,013, 4-16-74, Cl. 219-92.000.

Becker, Otto Alfred. Resistance welding. 3,805,014, 4-16-74, Cl. 219-92.000.

Becker, Otto Alfred. Insulating flexible composite element. 3,811,239, 5-21-74, Cl. 52-406.000.

Becker, Otto Alfred. Insulating wall unit. 3,834,096, 9-10-74, Cl. 52-172.000.

Becker, Raymond M. Rotary internal combustion engine. 3,855,978, 12-24-74, Cl. 123-44.00c.

Becker, Richard S., to Bio-Tek Instruments, Inc. Ground safe system. 3,783,340, 1-1-74, Cl. 317-18.00b.
Becker, Robert L.: *See—*
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Becker, Roger T.; Hatter, Stephen L.; and McMullin, Donald, Jr., to Kalamazoo Conveyor Company. Harpoon conveyor. 3,828,920, 8-13-74, Cl. 198-221.000.
Becker, Rolf, to Brückner-Engineering GmbH. Apparatus for controlling the path of movement of a movable conveyor. 3,805,950, 4-23-74, Cl. 198-202.000.
Becker, Rudolf, to Linde Aktiengesellschaft. Method of and system for the emptying of liquefied-gas vessels, especially the tanks of a tank ship. 3,831,811, 8-27-74, Cl. 222-1.000.
Becker, Rudolf; and Ulbrich, Wolfgang, to Linde Aktiengesellschaft. Evaporator-condenser. 3,840,070, 10-8-74, Cl. 165-167.000.
Becker, Rudolf, to Linde Aktiengesellschaft. System for the discharging of a transport receptacle for liquefied gas. 3,842,613, 10-22-74, Cl. 62-50.000.
Becker, Stanley A.; Fizette, William B.; and Wood, Richard T., to Biomatics Instrument Corporation. Method and apparatus for staining slides. 3,837,795, 9-24-74, Cl. 8-3.000.
Becker, Stephen P., to Fargo Mfg. Company, Inc. Clamp connector. 3,803,536, 4-9-74, Cl. 339-244.0dc.
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Becker, Wilhelm; Osse, Peter; Gutte, Richard; and Hochbach, Friedrich, to Reichhold-Albert-Chemie Aktiengesellschaft. Vibration-damping sheet metal laminates. 3,847,726, 11-12-74, Cl. 161-186.000.
Becker, William K., to Woodhead, Daniel, Inc. Cable and hose clamp. 3,851,979, 12-3-74, Cl. 403-76.000.
Becker, William S., Jr. Furniture module and furniture items resulting from module combinations. 3,834,776, 9-10-74, Cl. 312-108.000.
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Beckers, Norman L., to Diamond Shamrock Corporation. Perchloroethylene vapor degreasing process. 3,839,087, 10-1-74, Cl. 134-31.000.
Beckershoff, Wolfgang, to Brown Boveri-Sulzer Turbomaschinen AG. Sealing element for a turbo-machine. 3,801,220, 4-2-74, Cl. 416-198.000.
Beckert, Adolf F., to Honeywell Inc. Variable flow fluidic transducer. 3,797,528, 3-19-74, Cl. 138-46.000.
Beckett, Earl D. W. Decorative back-lighted slide viewing frame. 3,803,737, 4-16-74, Cl. 40-106.100.
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Beckford, Orville A., to Diagnostic Research, Inc. Enteric bacilli differential apparatus. 3,830,703, 8-20-74, Cl. 195-127.000.
Beckham, Leland J., to Allied Chemical Corporation. Solvent extraction process for separating ionic compounds. 3,808,308, 4-30-74, Cl. 423-181.000.
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Beckmann, Franz H. Process of manufacturing fuel briquettes. 3,841,849, 10-15-74, Cl. 44-10.00h.
Beckmann, Georg; and Gilli, Paul Viktor, to Waagner-Biro Aktiengesellschaft. Steam power plants. 3,818,698, 6-25-74, Cl. 60-94.00a.
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Beckwith, Merton M.; and Fong, Jaan-Jiue, to Conversion Chemical Corporation. Composition and method for stripping nickel, zinc and cadmium from substrates of iron and copper. 3,849,218, 11-19-74, Cl. 156-18.000.
Beckwith, Robert W. Phase condition indicating circuit. 3,783,341, 1-1-74, Cl. 317-27.00r.
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Beekhuis, Gerrit E.; and Klein, Joseph F. M., to Stamicarbon N.V. Process for preparing 2-(β-cyanoethylo)-N-substituted acetaldimines. 3,821,274, 6-28-74, Cl. 260-464.000.

Beekhuis, Gerrit E., to Stamicarbon B.V. Preparation of gamma-cyanobutyraldehyde. 3,855,266, 12-17-74, Cl. 260-465.100.

Beekman, Stewart M., to Chattem Chemicals; division of Chattem Drug & Chemical Company. Anti-perspirant aerosol composition and method of making same. 3,816,613, 6-11-74, Cl. 424-47.000.

Beekmans, Nicolaas Marinus: *See—*
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Beelen, Hilaire, to Sebia S. A. Holding. Front or back panel for motorbuses, and shaped bar used in such panel. 3,817,568, 6-18-74, Cl. 296-28.00a.

Beeler, Leland Stanford, to Reynolds International, Inc. Production of fluidized alumina reduction cell feed. 3,823,078, 7-9-74, Cl. 204-67.000.

Beeler, Leland Stanford, to Reynolds International, Inc. Aluminum reduction cell operating system. 3,823,079, 7-9-74, Cl. 204-67.000.

Beeloo, Leendert A., to Rotoflow Corporation. Annunciator control system with acknowledgement. 3,793,633, 2-19-74, Cl. 340-213.10r.

Beeman, Archie W. Revolvable canopy having two point suspension. 3,784,250, 1-8-74, Cl. 297-184.000.

Beeman, Robert H.; and Cleary, Robert T., to GTE Automatic Electric Laboratories Incorporated. Subscriber's telephone circuit. 3,823,273, 7-9-74, Cl. 179-81.00b.

Beemer, Paul K.; and Huck, George E., to Ameron, Inc. Retractable casting core box with elastomeric joint seal. 3,814,374, 6-4-74, Cl. 249-179.000.

Beer, Andrew E. Method of magnetically shrink-sitting members. 3,816,902, 6-18-74, Cl. 29-446.000.

Beer, Bernard; Clody, Donald E.; Vogel, John R.; and Horovitz, Zola P., to Squibb, E. R., & Sons, Inc. Anti-anxiety combination. 3,784,688, 1-8-74, Cl. 424-244.000.

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Beer, Carl; and Beer, Steven Vincent. Fatless frying pan. 3,847,068, 11-12-74, Cl. 99-425.000.

Beer, Emanuel E.; and Jeltrup, Eric H., to Singer Company, The. Tilt limit detecting apparatus. 3,813,556, 5-28-74, Cl. 250-575.000.

Beer, Henri Bernard, to Chemnor Corporation. Method of making an electrode having a coating comprising a platinum metal oxide. 3,840,443, 10-8-74, Cl. 204-37.00r.

Beer, Ludwig, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of polybutylene terephthalates. 3,817,935, 6-18-74, Cl. 260-75.00r.

Beer, Martin: *See—*
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Beers, Albert Alvin, Jr.; Stoyer, Paul Eugene; and Lightner, Joseph Campbell, Jr., to Greenville Steel Car Company. Rapid discharge hopper car. 3,786,764, 1-22-74, Cl. 105-240.000.

Beers, Melvin D., to General Electric Company. Process for treating silica fillers. 3,837,878, 9-24-74, Cl. 106-308.00q.

Beers, Melvin D., to General Electric Company. Curable compositions. 3,845,161, 10-29-74, Cl. 260-825.000.

Beers, Melvin D., to General Electric Company. Two-part room temperature vulcanizable silicone rubber compositions. 3,847,848, 11-12-74, Cl. 260-18.00s.

Beers, Ronald W., to Esso Research and Engineering Company. Anti-fouling coating composition. 3,801,534, 4-2-74, Cl. 260-37.0ep.

Beers, Ronald Wentworth: *See—*
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Beert, Carl J.: *See—*
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Beery, Jack. Tapered shunt reed switch. 3,800,254, 3-26-74, Cl. 335-205.000.

Beery, Jack; and De Carteret, Gerald A., to Burroughs Corporation. System for controlling the feed of documents into and along a document transport path. 3,825,251, 7-23-74, Cl. 271-258.000.

Beesley, William N., Jr. Portable and disposable dispensing packages. 3,784,022, 1-8-74, Cl. 211-49.00d.

Beeson, Harry E., to Evans Products Company. Side sway brace for gondola bulkhead. 3,820,475, 6-28-74, Cl. 105-376.000.

Beeson, Robert J.: *See—*
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Beet, Roy; and Skinner, Barry, to S. & E. Strauss Limited. Method and apparatus for removing connecting threads. 3,813,738, 6-4-74, Cl. 28-1.0cs.

Beetle, Arthur B., to TRW Inc. Plural potentiometer. 3,846,733, 11-5-74, Cl. 338-133.000.

Beets, Richard A.: *See—*
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Beever, Albert, III. Automatic sheet lining machine. 3,819,448, 6-25-74, Cl. 156-355.000.

Beever, Elmer R.; Shima, Rindge; and Zebus, Paul P., to Rockwell International Corporation. Simulation and measurement apparatus. 3,847,024, 11-12-74, Cl. 73-432.0sd.

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Beffel, Raymond W.: *See—*
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Begault, Rudolph A. System and apparatus for transfer of personnel cargo between a marine platform and crew boat. 3,794,187, 2-26-74, Cl. 214-14.000.

Begemann, Carl J., to Morris, Philip, Incorporated. Cigarette packaging. 3,809,227, 5-7-74, Cl. 206-264.000.

Begemann, Willem Johan; and Harkes, Pieter Daniel, to Lever Brothers Company. Process for the flavouring of foods. 3,821,421, 6-28-74, Cl. 426-65.000.

Begemann, Willem Johan; and Harkes, Pieter Daniel, to Lever Brothers Company. Process for enhancing a fresh cheese flavor in foods. 3,853,996, 12-10-74, Cl. 426-65.000.

Beger, Richard E., to Bates Manufacturing Company, The. Key controlled card selector with means to prevent simultaneous operation of adjacent keys. 3,818,622, 6-25-74, Cl. 40-104.010.

Begg, Percy R.; and Kesling, Peter C., to TP Laboratories, Inc. Lock spring pin appliance. 3,793,730, 2-26-74, Cl. 32-14.00a.

Beggs, Donald, to Mildrex Corporation, mesne. Stack type recuperator having a liquid seal. 3,814,174, 6-4-74, Cl. 165-32.000.

Beggs, Donald; and Marston, William T., to Midrex Corporation, mesne. Method for reducing iron oxides in a gaseous reduction process. 3,816,101, 6-11-74, Cl. 75-35.000.

Beggs, Donald, to Mildrex Corporation, mesne. Apparatus for cooling a moving bed of solid, gas permeable particles. 3,836,131, 9-17-74, Cl. 266-20.000.

Beggs, Donald, to Medrex Corporation. Process for the continuous passivation of sponge iron particles. 3,844,764, 10-29-74, Cl. 75-.50r.

Beggs, Donald, to Midland-Ross Corporation. Process for reducing iron oxide to metallic sponge iron with liquid or solid fuels. 3,844,766, 10-29-74, Cl. 75-35.000.

Beggs, James E., to General Electric Company. Quick-heating impregnated planar cathode and method of construction. 3,792,513, 2-19-74, Cl. 29-25.140.

Beggs, James H.: *See—*

Kabat, Jules M.; and Beggs, James H., 3,810,096.

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Begin, Marcel; Morrissette, Camille; Beaumier, Pierre; and Tupinier, Charles, to Victoriaville Furniture Limited. Furniture element. 3,846,211, 11-5-74, Cl. 161-7.000.

Begland, Robert Walter, to Du Pont de Nemours, E. I., and Company. Preparation of 4,5-dicyanoimidazoles. 3,806,517, 4-23-74, Cl. 260-309.000.

Begland, Robert Walter, to Du Pont de Nemours, E. I., and Company. Dimethyl diaminomaleate. 3,849,479, 11-19-74, Cl. 260-482.00p.

Begley, Donald E.: *See—*
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Begrich, Rainer; and Seitz, Karl, to Ciba-Geigy AG. Process for the manufacture of N-(2,4-dihalogeno-S-triazin-6-yl)-ureas. 3,849,413, 11-19-74, Cl. 260-249.500.

Beguin, Rene. Erasable trace recorder. 3,845,491, 10-29-74, Cl. 346-21.000.

Beharelle, Bernard. Safety device for a lock and a lock including said device. 3,800,572, 4-2-74, Cl. 70-134.000.

Behenna, Joshua John; and Phipps, Graham Harold George, to International Standard Electric Corporation. Adjustable magnetically focused triode. 3,826,945, 7-30-74, Cl. 314-153.000.

Behling, Harvey L., to Occidental Energy Development Company, mesne. Battery including apparatus for making halogen hydrate. 3,793,077, 2-19-74, Cl. 136-6.00e.

Behling, Rolf-Dieter; Oelsner, Manfred Wolfgang; Zenke, Erich Gunther; and Oelsner, Manfred W. Bituminous composition. 3,833,528, 9-3-74, Cl. 260-28.5as.

Behling, Rolf-Dieter; Oelsner, Manfred W.; and Zenke, Gunther, to British Petroleum Company Limited, The. Bituminous compositions prepared by blowing blends of bitumen, aromatic extract and EPT rubber. 3,853,799, 12-10-74, Cl. 260-28.5as.

Behman, Stephen Barry; and Goldstein, Stephen, to International Business Machines Corporation. Memory system restoration. 3,810,129, 5-7-74, Cl. 340-173.0dr.

Behn, Rudolf: *See—*
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Behne, Stephen G., to Chemetron Corporation. Rail grinding method. 3,818,650, 6-25-74, Cl. 51-326.000.

Behner, Otto; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. Aryliminothiazolidines. 3,804,848, 4-16-74, Cl. 260-306.700.

Behnert, Reinhard, to Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung. Variable nozzle for position control. 3,841,562, 10-15-74, Cl. 239-265.290.

Behnke, Arnold F., to Kay-Brunner Steel Products, Inc. Swivel assembly. 3,836,268, 9-17-74, Cl. 403-165.000.

Behnke, Wilbert E.: *See—*
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Behr, R. Douglas; and Hearns, Harold L., to Dow Chemical Company, The. Conveyor system for cylindrical objects. 3,850,289, 11-26-74, Cl. 198-270.000.

Behr, Raymond D., to Dow Chemical Company, The. Process of manufacture of film having thickened profiles therein. 3,848,035, 11-12-74, Cl. 264-40.000.

Behr, Raymond D., to Dow Chemical Company, The. Manufacture of film having formed fastener means therein. 3,852,386, 12-3-74, Cl. 264-40.000.

Behr, Robert D.; and Behr, Seiko K. Surface heating unit having selective concentric electric sheathed heating elements. 3,826,897, 7-30-74, Cl. 219-456.000.

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Behrend, Gerda A.: *See—*
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Behrend, Gerda A.; and Pahlow, Fritz H., said Pahlow assor. to said Behrend, Gerda A. Draft shield. 3,845,985, 11-5-74, Cl. 297-184.000.

Behrends, Duane E.: *See—*
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Behrendt, John W., to United States of America, Navy. Frame for low frequency source. 3,789,401, 1-29-74, Cl. 340-8.00s.

Behrendt, Lothar: *See—*
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Behrendt, Otto, to Schloemann Aktiengesellschaft. Horizontally acting extrusion discard cutting device which can turn over and transfer extrusion discs cut off the extrusion discard. 3,834,261, 9-10-74, Cl. 83-161.000.

Behrendt, Otto, to Schloemann Aktiengesellschaft. Discard removing device for an extrusion press. 3,838,589, 10-1-74, Cl. 72-257.000.

Behrens, Alvin J., to Cleveland Twist Drill Company, The. Chuck jaw insert assembly. 3,833,232, 9-3-74, Cl. 279-123.000.

Behrens, Dieter; and Wache, Lothar, to Siemens Aktiengesellschaft. Control circuit for preventing the response of a programmed controller to simultaneously generated control signals. 3,836,859, 9-17-74, Cl. 328-75.000.

Behrens, Herbert; and Wohlbier, Gunther, to Olympia Werke A.G. Device for moving a print element carrier in typewriters. 3,835,976, 9-17-74, Cl. 197-82.000.

Behrens, Joh. Friedrich: *See—*
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Behrens, Norman A., to Creston Manufacturing Co., Inc. Material mixer. 3,797,807, 3-19-74, Cl. 259-41.000.

Behrens, Robert Nick, to Deere & Company. Compactor attachment for a lawn mower. 3,791,118, 2-12-74, Cl. 56-202.000.

Behrens, Roy E.; and Donahue, Leo O., to Graphic Engineers, Inc. Stack stabilizer for paper stacking machine. 3,805,971, 4-23-74, Cl. 214-6.0ba.

Behrens, Roy E.; and Donahue, Leo O., to Graphic Engineers, Inc. Interceptor for forming gaps in papers carried by a conveyor. 3,834,288, 9-10-74, Cl. 93-93.00r.

Behrens, Roy E.; and Donahue, Leo O., to Graphic Engineers, Inc. Photoelectric counter for paper conveyor. 3,834,289, 9-10-74, Cl. 93-93.00c.

Behrens, Volker: *See—*
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Behringer, Cecil; and Kamin, George J., to GTE Sylvania Incorporated. Method of preventing coating diffusion flow. 3,837,880, 9-24-74, Cl. 117-5.500.

Behrle, Clyde J., 1/2 interest to Bailey, Bill G. Safety hitch pin. 3,825,284, 7-23-74, Cl. 280-515.000.

Behunin, Gage B.; Cole, Eugene A.; and Staadt, Charles R., to Masonry Systems, Inc., mesne. Motorized scaffold. 3,785,454, 1-15-74, Cl. 182-14.000.

Behunin, Gage B.; Cole, Eugene A.; and Staadt, Charles R., to Masonry Systems, Inc. Apparatus for dispensing flowable high-density material. 3,786,966, 1-22-74, Cl. 222-387.000.

Behunin, Gage B., to Masonry Systems International, Inc., mesne. Apparatus for prefabricating masonry panels. 3,830,678, 8-20-74, Cl. 156-349.000.

Behymer, Donald James, to Minnesota Mining and Manufacturing Company. Gaseous fluid monitoring apparatus. 3,848,457, 11-19-74, Cl. 73-24.000.

Bei, Pullach: *See—*
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Beichel, Rudi; and Reynolds, Clifton J., to Aerojet-General Corporation. Fluid-operable linear actuators. 3,834,283, 9-10-74, Cl. 92-33.000.

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Beier, Helmut: *See—*
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Beier, Helmut; and Noack, Dieter. High-voltage circuit breaker equipped with means for precluding the transfer of mechanical switching forces. 3,786,216, 1-15-74, Cl. 200-148.00d.

Beier, Helmut; Handke, Siegfried; and Konczal, Wolfgang, to Siemens Aktiengesellschaft. Electric compressed-gas circuit breaker. 3,789,175, 1-29-74, Cl. 200-148.00r.

Beierle, Frederick P. Barrel top fastener. 3,814,278, 6-4-74, Cl. 220-60.00r.
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Beighley, Arthur F.: *See*—
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Beijer, Jan. Kite structure. 3,797,788, 3-19-74, Cl. 244-153.00r.
Beil, Franz: *See*—
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Beil, Ralph G., to Schlumberger Technology Corporation. Neutron logging of formation porosity and chlorinity. 3,833,809, 9-3-74, Cl. 250-270.000.
Beil, Volentin E., to McDonald Products Corporation. Hinge assembly for receptacles and the like. 3,848,769, 11-19-74, Cl. 220-259.000.
Beinhaur, Ernest Lloyd: *See*—
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Beisang, Arthur A.; and Ersek, Robert A., to Genetic Laboratories, Inc. Skin storage system. 3,793,103, 2-19-74, Cl. 156-80.000.
Beisang, Arthur A.; and Ersek, Robert A., to Genetic Laboratories, Inc. Cellular skin patch. 3,842,831, 10-22-74, Cl. 128-155.000.
Beisch, Hans R., to Sargent Industries of Michigan, Inc. Method of manufacturing wheel trip. 3,798,728, 3-26-74, Cl. 29-159.00a.
Beisch, Hanspeter E.: *See*—
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Beisch, Hanspeter E.; and Kaman, Frank A., to Skil Corporation. Safety retracting mechanism for the lower guard of a portable saw. 3,787,973, 1-29-74, Cl. 30-391.000.
Beisch, Hanspeter E., to Skil Corporation. Rotary disconnect for a rotary hammer tool. 3,845,826, 11-5-74, Cl. 173-48.000.
Beisiegel, Norbert: *See*—
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Beissel, Dieter; Dinter, Peter; and Andra, Klaus, to Kalle Aktiengesellschaft. Apparatus for the reduction of a multi-layer sheet material of microporous structure. 3,832,973, 9-3-74, Cl. 118-50.000.
Beistle, Rex G., to International Business Machines Corporation. Pneumatic-photoelectric transducer in a magnetic tape unit. 3,796,393, 3-12-74, Cl. 242-184.000.
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Beiter, Glenn A., to Honeywell Inc. Tape transport control system. 3,849,661, 11-19-74, Cl. 250-571.000.
Beitter, Eduard. Slide fastener stringer. 3,831,227, 8-27-74, Cl. 24-205.16c.
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Bekedam, Martin. Closed condensate system. 3,813,037, 5-28-74, Cl. 237-9.00r.
Bekku, Fujio: *See*—
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Belanger, James A., 3,846,942.
Belanger, James A., to Belanger, Inc. Hinge type finishing packs with replaceable units for cylindrical hub structures. 3,798,847, 3-26-74, Cl. 51-337.000.
Belanger, James A., to Belanger, Inc. Hinge type units permanently mounted in a cylindrical hub structure with replaceable finishing packs provided for the units. 3,800,481, 4-2-74, Cl. 51-337.000.
Belanger, James A., to Belanger, Inc. Rotary finishing wheel or tool. 3,807,099, 4-30-74, Cl. 51-337.000.
Belanger, James A., to Belanger, Inc. Hub structures. 3,813,829, 6-4-74, Cl. 51-334.000.
Belanger, James A., to Belanger, Inc. Replaceable hinge type abrasive units or packs for cylindrical hub structures. 3,820,291, 6-28-74, Cl. 51-334.000.
Belanger, James A., to Belanger Inc. Hinge type fill unit with integral pin construction for cylindrical hub units. 3,842,547, 10-22-74, Cl. 51-334.000.
Belanger, James A., to Belanger, Inc. Rotary finishing wheels. 3,846,942, 11-12-74, Cl. 51-334.000.
Belanger, Patrice; and Luke, Michael O., to Merck Sharp & Dohme (I.A.) Corporation. Transparent NMR shift reagents. 3,818,061, 6-18-74, Cl. 260-429.200.
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Belart, Juan, to ITT Industries, Inc. Master cylinder for two-circuit brake systems. 3,817,037, 6-18-74, Cl. 60-552.000.
Belart, Juan, to ITT Industries, Inc. Antiskid brake system with power assistance. 3,827,759, 8-6-74, Cl. 303-21.0cf.
Belart, Juan, to ITT Industries, Inc. Separating valve for an antiskid brake system. 3,836,207, 9-17-74, Cl. 303-21.00f.
Belcastro, Richard J., to GTE Automatic Electric Laboratories Incorporated. Drum memory protect arrangement. 3,848,262, 11-12-74, Cl. 360-60.000.
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Belcher, Fred H. Auto-transformer coupled hybrid circuits for transistor amplifier stages. 3,800,238, 3-26-74, Cl. 330-15.000.
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Belcher, Samuel L.; and Eschleman, Thomas M., Jr., to Owens-Illinois, Inc. Separator package. 3,807,622, 4-30-74, Cl. 229-14.00c.
Belde, Horst, Oppenlaender, Knut; Daubach, Ewald; and Fikentscher, Rolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Aqueous pigment dispersions. 3,841,888, 10-15-74, Cl. 106-288.00q.
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Belko, William R. Electronic component. 3,818,263, 6-18-74, Cl. 315-32.000.
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Bell, Oliver A., Jr.; and Gilleland, Randall C., to Colt Industries Operating Corporation. Electrical discharge machining power supply with protective system for output switch failure. 3,805,012, 4-16-74, Cl. 219-69.00s.
Bell, Oliver A., Jr., to Colt Industries Operating Corporation. Method and apparatus for electrical discharge machining. 3,809,847, 5-7-74, Cl. 219-69.00p.
Bell, Oliver A., Jr., to Colt Industries Operating Corporation. Digitally controlled power supply for electrical discharge machining apparatus. 3,809,848, 5-7-74, Cl. 219-69.001.
Bell, Oliver A., Jr.; and Gilleland, Randall C., to Colt Industries Operating Corporation. Pulse generator and method for electrical discharge machining. 3,814,894, 6-4-74, Cl. 219-69.00c.
Bell, Oliver A., Jr., to Colt Industries Operating Corporation. Function control circuit for EDM power supply. 3,825,713, 7-23-74, Cl. 219-69.00g.
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Bell, Richard W., to Esso Research and Engineering Company. Thermoplastic check valve. 3,814,124, 6-4-74, Cl. 137-525.300.
Bell, Robert C., Jr. Method of constructing a building. 3,801,685, 4-2-74, Cl. 264-45.000.
Bell, Robert F.; Dinger, James R.; Laymon, Marvin D.; and Pazemenas, Vytautas V., to GTE Sylvania Incorporated. Intrusion detection system and method using an electret cable. 3,833,897, 9-3-74, Cl. 340-261.000.
Bell, Rupert B., to Kuss, R. L., & Co. Flexible filter. 3,826,372, 7-30-74, Cl. 210-172.000.
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Benesch, Frederick E. Bingo card holder. 3,811,680, 5-21-74, Cl. 273-136.00g.
Beneteau, Donald J. Multiple welding electrode. 3,783,226, 1-1-74, Cl. 219-120.000.
Beneteau, Donald J. Back-up locking cylinder. 3,828,652, 8-13-74, Cl. 91-445.000.
Beneteau, Joseph Oscar Charles, to Textron Inc. Apparatus for attaching fasteners to a garment in registration. 3,815,805, 6-11-74, Cl. 227-119.000.
Beneytoot, Lucien: *See—*
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Benfer, David Van Dike. Bundle tie tool. 3,810,499, 5-14-74, Cl. 140-123.600.
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Benford, Charles L., Jr.; and Mielke, James E., to Owens-Illinois, Inc. Glass decoration. 3,793,053, 2-19-74, Cl. 117-38.000.
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Benford, James Nelson; Putnam, Sidney Darwin; and Stallings, Charles Henry, to Physics International Company. Particle beam injection system. 3,831,101, 8-20-74, Cl. 328-230.000.
Benge, Donald. Warfare game. 3,811,679, 5-21-74, Cl. 273-131.0bb.
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Bengtson, Charles N. Tool holding prosthetic device. 3,802,302, 4-9-74, Cl. 81-177.00a.
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Bengtsson, Ake, to Aktiebolaget Tabougnar. Walking beam furnace. 3,792,965, 2-19-74, Cl. 432-121.000.
Bengtsson, John Ingemar; Hakansson, Sven Anders Samuel; Lundholm, Sven Gunnar K:Son; and Lonnberg, Lars, to Kommanditbolaget United Stirling (Sweden) AB & Co. Seal for piston rod of Stirling engine. 3,848,877, 11-19-74, Cl. 277-3.000.
Bengtsson, Sigurd W. Spring fastener. 3,831,225, 8-27-74, Cl. 24-73.00p.
Bengtsson, Sigurd Walter. Fastening element for one end of a band. 3,852,855, 12-10-74, Cl. 24-265.0ee.
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Benisek, Ladislav; Winterbottom, Kenneth; Shaw, Trevor; and Edmondson, Gerald Keith, to I.W.S. Nominee Company Limited and Ciba-Geigy AG. Process for modifying keratinous material, composition useful therein, and keratinous material bearing thereon said coposition. 3,813,220, 5-28-74, Cl. 8-127.600.
Benisek, Ladislav. Textile finishing. 3,857,727, 12-31-74, Cl. 117-62.000.
Benjamin, Benny Moses: *See—*
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Benjamin, John Stanwood: *See—*
Bomford, Michael James; and Benjamin, John Stanwood, 3,816,080.
Cairns, Robert Lacock; and Benjamin, John Stanwood, 3,837,930.
Benjamin, John Stanwood, to International Nickel Company, Inc., The. Consolidated composite materials by powder metallurgy. 3,785,801, 1-15-74, Cl. 75-.5bc.
Benjamin, John Stanwood, to International Nickel Company, Inc., The. Superalloys by powder metallurgy. 3,809,545, 5-7-74, Cl. 75-.50r.
Benjamin, John W.; and Holland, Edward Thorne, to Control Flow Systems, Inc. Centrifugal braking device. 3,796,289, 3-12-74, Cl. 188-185.000.
Benjamin, Louis Edmond, to Morton-Norwich Products, Inc. 4-(Substituted amino)-2-(5-nitro-2-furyl) pyrimido [4,5-d] pyrimidines. 3,808,211, 4-30-74, Cl. 260-256.40f.
Benjamin, Milton L.; Walker, David D.; and Miles, Wilbur N., to Erickson Tool Company. Instant change tool holder. 3,788,658, 1-29-74, Cl. 279-75.000.
Benjamin, Milton L., to Erickson Tool Company. Quick change tool holder. 3,801,115, 4-2-74, Cl. 279-81.000.
Benjamin, Milton L., to Erickson Tool Company. Collet chuck for router head and the like. 3,810,641, 5-14-74, Cl. 279-51.000.
Benjamin, Milton L.; and Miles, Wilbur N., to Erickson Tool Company. Adjustable boring bar. 3,853,422, 12-10-74, Cl. 408-161.000.
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Benjamins, Harm Martinus; Kortenoeven, Koos; and Panek-Finda, Helena. Method of manufacturing a generator which produces radio-isotopes and has an improved elution efficiency, and generator obtained by this method. 3,785,990, 1-15-74, Cl. 252-301.10r.
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Benkovic, Roger J., to Eaton Corporation. Hydraulic fluid device and method of assembly thereof. 3,783,744, 1-8-74, Cl. 92-57.000.
Benkowski, Frank J., to Warner & Swasey Company, The. Boom slider assembly. 3,782,790, 1-1-74, Cl. 308-3.00r.
Benn, Edgar; Buchtl, Benno; and Ender, Manfred, to Briag AG. Dispenser assembly for wax substances. 3,846,029, 11-5-74, Cl. 401-96.000.
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Benner, Gunter; and Stacker, Gunther, to U.S. Philips Corporation. Circuit arrangement including a high voltage transistor. 3,840,755, 10-8-74, Cl. 307-260.000.
Benner, Harold T., Jr.; and Cloud, Charles E., to Jones, R. A., & Company, Inc. Transfer apparatus for packaging machine. 3,822,008, 7-2-74, Cl. 198-35.000.
Benner, Harold Thomas, Jr.; and Cloud, Charles E., to Jones, R. A., & Co., Inc., mesne. Method and apparatus for forming and filling pouches. 3,821,873, 7-2-74, Cl. 53-24.000.
Benner, John F.: *See—*
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Benner, Robert I., to Sun Oil Company of Pennsylvania. Process for the production of traction fluid. 3,801,497, 4-2-74, Cl. 208-111.000.
Benner, Stanley G.; and Greene, Kenneth F., to Johns-Manville Corporation. Fiber-reinforced calcium silicate hydrate insulation. 3,856,544, 12-24-74, Cl. 106-120.000.
Benner, Willard J.: *See—*
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Benner, Wolfgang. Ski binding. 3,820,804, 6-28-74, Cl. 280-11.35t.
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Bennet, Stanford M.; Smith, William; and Thomas, Joseph J., to Johnson & Johnson. Catheter placement unit. 3,825,001, 7-23-74, Cl. 128-214.400.
Bennet, Tom Joachim, to Morgardshammar Aktiebolag. Method and apparatus for cold drawing or rolling of metal wire rod. 3,808,864, 5-7-74, Cl. 72-235.000.
Bennet, Tom Joachim; Nordstroem, Knut Lennart; and Polhaell, Karl Olof, to Morgardshammar Aktiebolag. Two-high rolling stand. 3,824,830, 7-23-74, Cl. 72-249.000.
Bennett, Alan D.; and Farkas, Robert C., to Westinghouse Electric Corporation. Ice detection system for a gas turbine. 3,796,854, 3-12-74, Cl. 219-201.000.

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Bennett, Allan I., to Westinghouse Electric Corporation. Means for calibrating a four-probe resistivity measuring device. 3,783,375, 1-1-74, Cl. 324-64.000.

Bennett, Allan I., to Westinghouse Electric Corporation. Method for controlling finished thickness of planetary-lapped parts. 3,813,828, 6-4-74, Cl. 51-281.00r.

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Bennett, Benny Morris; and Lightner, Linn Stephen. Flexible tape terminal assembly. 3,807,045, 4-30-74, Cl. 29-629.000.

Bennett, Brian Garner; and Holmes, William Samuel, to Albright & Wilson, Limited. Production of nitrogen and phosphorous-containing compounds. 3,788,986, 1-29-74, Cl. 252-1.000.

Bennett, Carl D., to Merck & Co., Inc. Chemical compounds and processes for preparing them. 3,803,118, 4-9-74, Cl. 260-112.500.

Bennett, Charles D., to Cam Industries, Inc. Sequencing step control. 3,787,729, 1-22-74, Cl. 307-41.000.

Bennett, Charles D.; Coates, Peter M.; and Coates, Robert N., to Cam Industries, Inc. Operator programmed numerical control system. 3,828,318, 8-6-74, Cl. 340-172.500.

Bennett, Charles L.: *See—*
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Bennett, David F. Gas-liquid separator. 3,812,655, 5-28-74, Cl. 55-204.000.

Bennett, David F. Swivel joint. 3,840,264, 10-8-74, Cl. 285-98.000.

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Bennett, Donald Alfred, to International Synthetic Rubber Company Limited, The. Polymerisation of vinyl aromatic compounds. 3,812,088, 5-21-74, Cl. 260-93.50r.

Bennett, Donald Alfred; and Duck, Edward William, to International Synthetic Rubber Company Limited, The. Latex preparation. 3,833,532, 9-3-74, Cl. 260-29.7sq.

Bennett, Donald E.: *See—*
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Bennett, Donald R.; and Levier, Robert R., to Dow Corning Corporation. Organosilicon compositions in methods of treatment involving increasing the dopamine content of the brain. 3,821,373, 6-28-74, Cl. 424-184.000.

Bennett, Donald R.; and McHard, James A., to Dow Corning Corporation. Method for decreasing the reproductive function of mammals. 3,830,912, 8-20-74, Cl. 424-184.000.

Bennett, Douglas, to Thor Power Tool Company. Muffler for a pneumatic percussion tool. 3,815,705, 6-11-74, Cl. 181-36.00a.

Bennett Equipment Corporation: *See—*
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Bennett, Foster C., to Dow Chemical Company, The. Apparatus for vapor generation. 3,851,146, 11-26-74, Cl. 219-300.000.

Bennett, Frank L.: *See—*
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Bennett, Frank P., to GAF Corporation. Small slide tray. 3,830,566, 8-20-74, Cl. 353-116.000.

Bennett, Gene Lee, to Genio Tools, Inc. Interchangeable tool mounting device. 3,841,646, 10-15-74, Cl. 279-14.000.

Bennett, James; and Parva, Ashby, to Specialized Tapes Limited. Industrial tapes. 3,842,628, 10-22-74, Cl. 66-193.000.

Bennett, James G.; and Katchman, Arthur, to General Electric Company. Preparation of polyphenylene ethers with dialkyl formamide promoted copper-amine catalysts. 3,787,362, 1-22-74, Cl. 260-47.0et.

Bennett, James G.; and Summers, Robert M., to General Electric Company. Composition of a polyphenylene ether and an acrylic resin modified polyisoprene. 3,794,606, 2-26-74, Cl. 260-4.00r.

Bennett, James G.; and Katchman, Arthur, to General Electric Company. Preparation of polyphenylene ethers with dialky sulfoxide promoted copper-amine catalysts. 3,796,689, 3-12-74, Cl. 260-47.0et.

Bennett, James G.; and Cooper, Gleen D., to General Electric Company. Removal of metallic catalyst residue from polyphenylene ethers. 3,838,102, 9-24-74, Cl. 260-47.0et.

Bennett, James H., to Singer Company, The. Ducted air conditioning system and combination duct therefor. 3,817,159, 6-18-74, Cl. 98-33.00a.

Bennett, James R., to Evans Products Company. Car shipping apparatus. 3,788,238, 1-29-74, Cl. 105-368.00r.

Bennett, James S.: *See—*
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Bennett, James Stewart: *See—*
Bennett, James Stewart; and Hatfield, Edwin Alexander (said Hatfield assor. to said), 3,817,664.

Bennett, James Stewart; and Hatfield, Edwin Alexander, said Hatfield assor. to said Bennett, James Stewart. Rotary fluid pump or motor with intermeshed spiral walls. 3,817,664, 6-18-74, Cl. 418-55.000.

Bennett, John D.; and Chaney, Preston E., to Sun Oil Company (Delaware). Method of breaking ice. 3,841,252, 10-15-74, Cl. 114-40.000.

Bennett, John E., to Bennett Equipment Corporation. Vehicle body mount. 3,809,427, 5-7-74, Cl. 296-35.00r.

Bennett, John E., to Diamond Shamrock Corporation. Method of maintaining cathodes of an electrolytic cell free of deposits. 3,819,504, 6-25-74, Cl. 204-289.000.

Bennett, John E.; Burkhardt, James W.; and Loftfield, Richard E., to Diamond Shamrock Corporation. Bipolar hypochlorite cell. 3,849,281, 11-19-74, Cl. 204-268.000.

Bennett, John P.; and Bliss, George D., to Syntex (U.S.A.) Inc., mesne. Process and apparatus for purifying and aerating aquaculture pools. 3,841,999, 10-15-74, Cl. 210-17.000.

Bennett, John T. Tool holder with provisions for accurately positioning cutting inserts and an improved chip breaking indexible insert. 3,791,001, 2-12-74, Cl. 29-95.00r.

Bennett, John T. Tool holder with provisions for accurately positioning cutting inserts and an improved chip breaking indexible insert. 3,827,119, 8-6-74, Cl. 29-105.00r.

Bennett, Joseph J.; and Trapp, Alvin A. Wire pulling apparatus. 3,831,877, 8-27-74, Cl. 242-86.50r.

Bennett, Kenneth R.; and Crownover, Joseph W., to GTI Corporation, mesne. Solid state electronic element encapsulation with end contacting blister formation. 3,818,118, 6-18-74, Cl. 174-525.000.

Bennett, Kenneth R.; and Crownover, Joseph W., to GTI Corporation. Tuning of encapsulated precision resistor. 3,827,142, 8-6-74, Cl. 29-620.000.

Bennett, Kenneth R.; and Crownover, Joseph W., to GTI Corporation. Control of rate of change of resistance as a function of temperature in manufacture of resistance elements. 3,842,495, 10-22-74, Cl. 29-620.000.

Bennett, Kent H. Factormatic slide rule. 3,784,093, 1-8-74, Cl. 235-70.00r.

Bennett, Melvin T.: *See—*
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Bennett, Melvin T.; Vlach, Thomas L.; Edwin, Allan I.; and Venturi, Gino, to Interactive Systems, Inc. Computer system. 3,821,706, 6-28-74, Cl. 340-163.000.

Bennett, Richard C. Putter. 3,841,641, 10-15-74, Cl. 273-164.000.

Bennett, Richard H.; and Deever, William R., to Texaco Inc. Hydroformylation process utilizing homogeneous cuprous chloride complexes as catalysts. 3,839,459, 10-1-74, Cl. 260-604.0hf.

Bennett, Richard J., to Phillips Petroleum Company. Stabilized railway bed and method of construction. 3,841,554, 10-15-74, Cl. 238-2.000.

Bennett, Robert A., to Waterbury Lock & Specialty Co. Tape measuring unit and locking and releasing device therefor. 3,812,588, 5-28-74, Cl. 33-138.000.

Bennett, Robert B. Method and apparatus for locating pipe bends. 3,821,887, 7-2-74, Cl. 72-34.000.

Bennett, Robert H.: *See—*
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Bennett, Robert Neil; and Richards, David, to British Petroleum Company Limited, The. Production of lubricating oils. 3,804,742, 4-16-74, Cl. 208-111.000.

Bennett, Robert Putnam, to American Cyanamid Company. Iron carbonyl complexes of azo compounds. 3,830,807, 8-20-74, Cl. 260-242.000.

Bennett, Robert R., to Westinghouse Electric Corporation. Steam generator. 3,804,069, 4-16-74, Cl. 122-34.000.

Bennett, Ronald E.: *See—*
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Bennett, Ronald W., to General Motors Corporation. Pressure balanced hydraulic brake booster. 3,808,817, 5-7-74, Cl. 60-548.000.

Bennett, Ronald W.; and Baber, James R., to General Motors Corporation. Combination end cover seal arrangement. 3,841,204, 10-15-74, Cl. 92-86.000.

Bennett, Stephen H.: *See—*
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Bennett, Stewart, to Polaroid Corporation. Emergency ejection system for automatic transparency processing and projection apparatus. 3,809,464, 5-7-74, Cl. 352-74.000.

Bennett, Stewart, to Polaroid Corporation. Automatic exposure control system. 3,848,985, 11-19-74, Cl. 354-41.000.

Bennett, Vern B. Painters wheel spinner. 3,843,000, 10-22-74, Cl. 214-340.000.

Bennett, Walter Scott; and Vigil, Jacob Frank, to Burroughs Corporation. Failsoft peripheral exchange. 3,792,448, 2-12-74, Cl. 340-172.500.

Bennett, Walter V., to Singer Company, The. Frequency shift digital communication system. 3,803,354, 4-9-74, Cl. 178-66.00r.

Bennett, William C., to Novar Corporation. Apparatus for operating on tape in tape cartridges. 3,782,731, 1-1-74, Cl. 274-4.00d.

Bennett, William Frederick. Apparatus and method for measuring intelligence. 3,809,069, 5-7-74, Cl. 128-2.10b.

Bennett, William P.; and Haller, Jacob, to Programming Technologies, Inc. Automatic tape loading apparatus for cassettes and the like. 3,814,343, 6-4-74, Cl. 242-56.00r.

Bennett, William S., to Singer Company, The. Display of digitally stored image on a spherical viewing surface. 3,836,812, 9-17-74, Cl. 315-18.000.

Benney, Harry D.: *See—*
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Bennice, Richard L.: *See—*
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Bennington, Russell J.; and Szalay, Laszlo G., to Budd Company, The. Article transfer apparatus. 3,834,555, 9-10-74, Cl. 214-1.0bt.

Bennington, William E. Dental floss dispenser. 3,804,102, 4-16-74, Cl. 132-92.00r.

Bennington, William E. Dental floss dispenser. 3,833,009, 9-3-74, Cl. 132-91.000.

Bennion, Don U.; and West, Leonard R., to Industrial Development & Design. Flaw detection system using microwaves. 3,810,005, 5-7-74, Cl. 324-58.50a.

Bennion, Douglas N.; and Newman, John S., to University of California, The Regents of the. Method and apparatus for the electrochemical removal of metal ions. 3,804,733, 4-16-74, Cl. 204-151.000.

Bennion, Douglas N.; Dunning, John S.; Tiedemann, William H.; and Hsueh, Limin, to United States of America, Navy. Nonaqueous battery. 3,844,837, 10-29-74, Cl. 136-6.0ln.

Benny, John R., to Hoeltge, Inc. Water flushing excreta removal system for animal housing systems. 3,822,673, 7-9-74, Cl. 119-22.000.

Benoit, Robert L.; Peters, Winslow W.; and Morgan, Joseph, to Grumman Aerospace Corporation. Multi-piece rod for control and structural members. 3,837,755, 9-24-74, Cl. 403-274.000.

Benoit, Roland A.; and Duprey, Richard H., to Interroyal Corporation. Shock and drainage mechanism. 3,797,050, 3-19-74, Cl. 5-62.000.

Benoit, Roland A.; and Guillot, Edmond P., to Interroyal Corporation. Adjustable bed motor mount. 3,797,273, 3-19-74, Cl. 64-4.000.

Benoit, Roland A.; Curban, John H.; and Bennice, Richard L., to Interroyal Corporation. Fluidic switching system. 3,798,684, 3-26-74, Cl. 5-66.000.

Benoit, Roland A.; and Duprey, Richard H., to Interroyal Corporation. Pivot joint for beds. 3,818,518, 6-25-74, Cl. 5-200.00c.

Benoit, Roland A.; and Curran, John, to InterRoyal Corporation. Telescoping novel stand assembly. 3,835,486, 9-17-74, Cl. 5-317.00r.

Benoit, Roland A.; and Duprey, Richard H., to Interroyal Corporation. Hospital bed. 3,839,753, 10-8-74, Cl. 5-68.000.

Benoit, Roland A.; and Duprey, Richard H., to Interroyal Corporation. Hospital bed with selector mechanism. 3,840,911, 10-15-74, Cl. 5-68.000.

Benoit, Roland A.; and Duprey, Richard H., to Interroyal Corporation. Universal headboard construction. 3,845,511, 11-5-74, Cl. 5-53.00r.

Benoit, Roland A.; and Guillot, Edmond P., to Interroyal Corporation. Safety side mechanism. 3,851,345, 12-3-74, Cl. 5-331.000.

Benoiton, Norman L.; Tong, Jeffrey H. Y.; D'Iorio, Antoine; and Petitclerc, Jean C., to Canadian Patents and Development Limited. Resolution of racemates of ring-substituted phenylalanines. 3,813,317, 5-28-74, Cl. 195-29.000.

Benowitz, Sander. Electromagnetic material handling system utilizing offset pole spacing. 3,824,516, 7-16-74, Cl. 335-284.000.

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Van Poucke, Raphael Karel; Benoy, Gaston Jacob; and De Cat, Arthur Henri, 3,843,366.

Benrus Corporation: *See—*
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Bens, Everett M.; and Brophy, Richard G., to United States of America, Navy. Chemiluminescent formulations containing an alkylsiloxane. 3,808,139, 4-30-74, Cl. 252-188.300.

Bens, Everett M.; and Holt, Lloyd J., to United States of America, Navy. Fluorescent visual augmentation composition. 3,856,550, 12-24-74, Cl. 117-33.50r.

Bensdorp Internationaal N.V.: *See—*
Bensdorp, Josef Ernst Marie, 3,850,561.

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Bense, William M., to Leesona Corporation. Winding apparatus. 3,830,440, 8-20-74, Cl. 242-35.50r.

Bense, William M., to Leesona Corporation. Take-up system. 3,831,873, 8-27-74, Cl. 242-45.000.

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Bensinger, Wolf-Dieter, to Daimler-Benz Aktiengesellschaft. Oil pan for an engine. 3,805,920, 4-23-74, Cl. 184-6.200.

Benson, Alden P.; Foster, Kenneth J.; and Quellette, Alfred R., to United States of America, Navy. Removable goggles for helmet. 3,783,452, 1-8-74, Cl. 2-6.000.

Benson, Carl F.: *See—*
Elmore, J. Russell; and Benson, Carl F., 3,795,960.
Elmore, J. Russell; and Benson, Carl F., 3,831,241.

Benson, Carl I., Jr., to Paragon Gears, Incorporated. Marine propulsion unit. 3,793,900, 2-26-74, Cl. 74-413.000.

Benson, Carl P.: *See—*
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Benson, David A., to Cavcom, Inc. Magnetic ink character transition reader. 3,818,446, 6-18-74, Cl. 340-146.30c.

Benson, David E. Bearing puller. 3,797,095, 3-19-74, Cl. 29-261.000.

Benson, Donald Cyril. Devices for assisting in the bathing of babies and incapacitated persons. 3,855,644, 12-24-74, Cl. 4-185.00b.

Benson, Ernest J.: *See—*
Tull, Alonzo E.; Benson, Ernest J.; and Weiveris, William V., 3,828,914.

Benson, Harvey D.: *See—*
Grunwell, Joyce F.; Benson, Harvey D.; and Petrow, Vladimir, 3,833,621.
Grunwell, Joyce F.; and Benson, Harvey D., 3,853,927.

Benson, Homer E., to Benfield Corporation, The, mesne. Separation of CO_2 and H_2S from gas mixtures. 3,823,222, 7-9-74, Cl. 423-223.000.

Benson, Jack O.: *See—*
Tucker, Raymond Z.; and Benson, Jack O., 3,811,706.

Benson, James L.; and Sellmann, William, to Evans, George, Corporation, The. Knock-down shipping cable reel. 3,827,651, 8-6-74, Cl. 242-115.000.

Benson, James M.; and Baker, William C., to Teledyne, Inc. Fluid flow measuring device. 3,785,206, 1-15-74, Cl. 73-212.000.

Benson, Mark: *See—*
Molloy, Kenneth H.; Ward, John P.; and Benson, Mark, 3,816,796.

Benson, Richard: *See—*
Pflaum, Norman C., 3,826,973.

Benson, Richard A.: *See—*
Rigney, Edward T.; Edgerton, Bradford W.; and Benson, Richard A., 3,823,395.
Rigney, Edward T.; Benson, Richard A.; and Edgerton, Bradford W., 3,826,321.

Benson, Robert A., to Submarine Engineering Associates, Inc. Floating barrier. 3,818,708, 6-25-74, Cl. 61-1.00f.

Benson, Robert D. Windshield washer. 3,854,161, 12-17-74, Cl. 15-250.040.

Benson, Robert F.: *See—*
Mead, Theodore C.; Odell, Norman R.; and Benson, Robert F., 3,830,730.

Benson, Robert W.; Chapman, James Ronald; Reed, Robert G.; and Smith, Hoyt L., to Cutters Machine Company, Inc. Electrically controlled cloth spreading machine. 3,791,641, 2-12-74, Cl. 270-31.000.

Benson, Robert W.; Pearsall, Samuel H.; and Reed, Robert G., to Cutters Machine Company, Inc. Needle positioner for a sewing machine. 3,804,043, 4-16-74, Cl. 112-219.00a.

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Benson, Robert W.; and Chapman, James Ronald, to Thermo Electron Corporation. Stress gage. 3,812,709, 5-28-74, Cl. 73-67.50r.

Benson, Robert W.; and Reed, Robert G., to Beaver, Harold R.. Soil impedance log. 3,838,428, 9-24-74, Cl. 346-33.00r.

Benson, Rudolph T., Jr.: *See—*
English, Richard B.; and Benson, Rudolph T., Jr., 3,851,552.

Benson, William. Hovercraft secondary lift system. 3,829,043, 8-13-74, Cl. 244-12.00r.

Benson, William C. Flexible conveyor system. 3,799,325, 3-26-74, Cl. 198-127.00r.

Benson, William Evan, to Deere & Company. Burnishing tool. 3,818,559, 6-25-74, Cl. 29-90.000.

Bent, John H., to Wilson, H. F., Engineering Company. Air powered rotary wire cutting and wrapping tool. 3,798,910, 3-26-74, Cl. 60-718.000.

Bent, John H. Keyless drill chuck. 3,807,745, 4-30-74, Cl. 279-60.000.

Bent, Richard L.: *See—*
Schellenberg, Dietmar; and Bent, Richard L., 3,816,134.

Benteler, Erich; Schirp, Wilhelm; Menne, Heinz; Eckhardt, Otto; and Mowe, Wilhelm, to Benteler-Werke Aktiengesellschaft. Installation for the conditioning of air. 3,833,053, 9-3-74, Cl. 165-60.000.

Benteler, Helmut; Hartmann, Franz-Josef; and Hefendehl, Heinz, to Benteler-Werke Aktiengesellschaft. Method and apparatus for cold-drawing metallic tubes. 3,798,943, 3-26-74, Cl. 72-43.000.

Benteler, Helmut; Hartmann, Franz-Josef; and Hefendehl, Heinz. Multi-pass method and apparatus for cold-drawing of metallic tubes. 3,812,702, 5-28-74, Cl. 72-283.000.

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Benteler, Erich; Schirp, Wilhelm; Menne, Heinz; Eckhardt, Otto; and Mowe, Wilhelm, 3,833,053.
Benteler, Helmut; Hartmann, Franz-Josef; and Hefendehl, Heinz, 3,798,943.
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Benthos, Inc.: *See*—
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Hayward, Gary G.; and Raymond, Samuel O., 3,832,885.

Bentley, Arthur P. Surface operated single tube pump. 3,804,557, 4-16-74, Cl. 417-402.000.

Bentley, David R., to Questor Corporation. Method and apparatus for engine operation. 3,799,301, 3-26-74, Cl. 192-3.00r.

Bentley, David R.; and Alexander, Neil A., to Questor Corporation. Method and apparatus for connecting insulating conduits. 3,850,453, 11-26-74, Cl. 285-47.000.

Bentley, Donald J., to Bentley Laboratories, Inc. Ventricle assembly for pulsatile-type pump. 3,855,995, 12-24-74, Cl. 128-1.00d

Bentley Engineering Company Limited, The: *See*—
Hanney, Philip Michael; Stainforth, Thomas Raymond; and Bland, William Arthur, 3,785,173.
Hanney, Philip Michael; and Staniforth, Thomas Raymond (said Staniforth assor. to), 3,800,560.
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Wright, Kenneth; and Greenwood, David, 3,802,223.

Bentley, Floyd Edward. *See*—
Godfrey, Norman Bell; and Bentley, Floyd Edward, 3,793,271.

Bentley, Floyd Edward, to Jefferson Chemical Company, Inc. Liquid olefin sulfonate detergent. 3,852,221, 12-3-74, Cl. 252-548.000.

Bentley, George P. Compound optical-sensor system for visually observing and photo-electrically sensing coded indicia. 3,853,403, 12-10-74, Cl. 356-71.000.

Bentley, Gustavus A., to Federal-Mogul Corporation. Hydrodynamic shaft seal of the type having a series of flat annular washers. 3,801,114, 4-2-74, Cl. 277-134.000.

Bentley, Kenneth Walter, and Rushworth, William Ian, to Reckitt & Colman Products Limited. Substituted phenyl sulphoxides and sulphones and the use thereof as vasodilators. 3,804,904, 4-16-74, Cl. 260-607.00a.

Bentley Laboratories, Inc.: *See*—
Bentley, Donald J., 3,855,995.

Bentley, Mona Lilian. Swimming aids. 3,820,178, 6-28-74, Cl. 9-337.000.

Bentley, Ralph L. Sign and support apparatus. 3,828,455, 8-13-74, Cl. 40-125.00h.

Bentley, Richard Lee; and Stubert, John Wesley, to Chicago Bridge & Iron Company. Gasket for closure seal. 3,831,950, 8-27-74, Cl. 277-75.000.

Bentley, Robert F.: *See*—
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Bentley, Stanley L., to Ransburg Corporation. Electrostatic coating apparatus. 3,851,618, 12-3-74, Cl. 118-7.000.

Bentley, Thomas P.: *See*—
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Benton, Richard H.: *See*—
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Benton, Robert C. Gravure printing press with endless printing belts. 3,835,775, 9-17-74, Cl. 101-151.000.

Benton, Ronald Edward. Bending. 3,795,128, 3-5-74, Cl. 72-306.000.

Benton, Samuel T.: *See*—
Gustison, Robert A.; Bernhardt, Harvey A.; Barber, Eugene J.; and Benton, Samuel T., 3,825,650

Benton, Samuel T.; and Schmitt, Charles R., to United States of America, Atomic Energy Commission. Method of preparing a syntactic carbon foam. 3,810,963, 5-14-74, Cl. 264-29.000.

Bentul Equipment Corporation: *See*—
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Bentz, Alan P., and Scarpellino, Richard, to General Foods Corporation. Flavoring materials and method of preparing the same. 3,804,953, 4-16-74, Cl. 426-221.000.

Bentz, Francis: *See*—
Kunzel, Hans Egon; Blankenstein, Gunter; Bentz, Francis; and Nischk, Gunther, 3,801,545.
Wolf, Gerhard Dieter; Kunzel, Hans Egon; Blankenstein, Gunter; and Bentz, Francis, 3,852,241

Bentz, Francis; Brokmeier, Dieter; Reinehr, Ulrich; and Nischk, Gunther, to Bayer Aktiengesellschaft. Shaped structures of acrylonitrile polymers containing antistatic additives. 3,852,255, 12-3-74, Cl. 260-88.70r.

Bentz, John Edward, to Motorola, Inc. High voltage connector arrangement. 3,848,088, 11-12-74, Cl. 178-7.900.

Bentzen, Bruce D.: *See*—
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Benuit, Roland A., to Interroyal Corporation. Convertible sleep lounge. 3,803,643, 4-16-74, Cl. 5-18.000.

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Benwell, Dale D. Sub-conscious mind controlled amusement device. 3,797,832, 3-19-74, Cl. 273-161.000.

Benwilco, Inc.: *See*—
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Benwood, Bruce R.; Morse, Theodore H.; and Siebenrock, Howard D., to Eastman Kodak Company. Toner concentration monitoring apparatus. 3,830,401, 8-20-74, Cl. 222-57.000.

Benz & Hilgers GmbH, mesne: *See*—
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Benz, August. Device for cleaning vertical or sloping surfaces. 3,810,702, 5-14-74, Cl. 401-139.000.

Benz, August. Device for holding operating tools at elevated heights. 3,833,193, 9-3-74, Cl. 248-2.000.

Benz, Charles, to Scott Paper Company. Soft, Absorbent fibrous webs containing elastomeric bonding material and formed by creping and embossing. 3,817,827, 6-18-74, Cl. 162-113.000.

Benz, Ernst. Pickup needle. 3,813,101, 5-28-74, Cl. 274-38.000.

Benz, Hans, to Brown Boveri-Sulzer Turbomachinery Limited. Mounting for a stator blade adjusting cylinder on an axial compressor. 3,829,234, 8-13-74, Cl. 415-138.000.

Benz, Jakob; Mislin, Roland; and Uehlinger, Hanspeter, to Sandoz Ltd.; a/k/a Sandoz AG. Phenyl-azo-pyrazolone dyes containing two sulfo groups. 3,839,316, 10-1-74, Cl. 260-162.000.

Benz, Mark G., to General Electric Company. Large grain cobalt-samarium intermetallic permanent magnet material stabilized with zinc and process. 3,811,962, 5-21-74, Cl. 148-103.000.

Benz, Mark G., to General Electric Company. Large grain cobalt-samarium intermetallic permanent magnet material and process. 3,844,850, 10-29-74, Cl. 148-103.000.

Benz, Michael. Animal trap. 3,855,724, 12-24-74, Cl. 43-92.000.

Benz, Willi, to Schloemann Aktiengesellschaft. Flying guillotine shears. 3,800,646, 4-2-74, Cl. 83-320.000.

Benzeev, Dan: *See*—
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Benzing, Walter C.; and McDiarmid, James, to Applied Materials Technology, Inc. Susceptor support structure and docking assembly. 3,830,194, 8-20-74, Cl. 118-9.000.

Benzing, William M.; and Layfield, James D. Motion converter. 3,841,165, 10-15-74, Cl. 74-56.000.

Benzuly, Harold J.: *See*—
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Beondu A.G.: *See*—
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Bequet, Jean Francois; Dubois, Paul; and Van Asbroeck, Roger, to Solvay & Cie. Device for making sheets. 3,834,853, 9-10-74, Cl. 425-336.000.

Ber, Esther: *See*—
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Beran, Pavel: *See*—
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Beranek, Miroslav, to Vorwerk & Co.-Elektrowerke KG, Firma. Absorption type cooling unit. 3,785,170, 1-15-74, Cl. 62-489.000.

Beranek, Miroslav; and Krumm, Heinz G., to Vorwerk & Co. Elektrowerke KG, Firma. Absorption cooling device. 3,785,171, 1-15-74, Cl. 62-490.000.

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Berbalk, Hermann, to Gebruder Boehringer Gesellschaft mit beschrankter Haftung. Method for machining the stroke bearings and line bearings of a crank shaft. 3,793,687, 2-26-74, Cl. 29-6.000.

Berbalk, Hermann, to Gebruder Boehringer Gesellschaft mit beschrankter Haftung. Tool machine for machining crankshafts. 3,795,161, 3-5-74, Cl. 82-9.000.

Berber, John S.; and Rice, Richard L., to United States of America, Interior. Manufacture of lignite binder pitch. 3,801,342, 4-2-74, Cl. 106-284.000.

Berce, Jacques; and Ciriani, Enrique. Three-dimensional modular transportable structures. 3,792,558, 2-19-74, Cl. 52-79.000.

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Tripsa, Iosif; Potoceanu, Ion; Nisipeanu, Ilie; Velicov, Corneliu; Popescu, Constantin; Cazan, Cornel; Kraft, Nathan; Driscu, Gheorghe; Martin, Ilie; Dulama,Dan; Tanasescu, Ovidiu; Deica, Nicolae; Berceanu, Edmond; Cosma, Dante; and Furnicescu, Nicolae, 3,00,630.

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Bercik, Paul G.; and Henke, Alfred M., to Gulf Research & Development Company. Isobutylene dimerization process. 3,832,418, 8-27-74, Cl. 260-683.15r.

Bercik, Paul G.; and Metzger, Kirk J., to Gulf Research & Development Company. Method for sulfiding supported metal catalysts. 3,840,474, 10-8-74, Cl. 252-439.000.

Berckmans, Walter: *See*—
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Berczynski, Frank A., to Andco Incorporated. Bosh construction for metallurgical furnaces. 3,810,610, 5-14-74, Cl. 266-43.000.

Berding, Andrew R., to Advanced Memory Systems, Inc. Error correction method and apparatus. 3,794,819, 2-26-74, Cl. 235-153.0am.

Berdy, Janos: *See*—
Toth-Sarudy, Eva; Horvath, Istvan; Gyimesi, Jozsef; Ott, Istvan; Alfoldi, Laszlo; Berdy, Janos; Koczka, Istvan; Scholtz, Vilma; Szell, Valeria; and nee Tomori, Laszio Eva, 3,798,129.

Berdyansky, Mark Grigorievich; Grinvald, Valter Alexandrovich; Brodsky, Irman Idelevich; Kasyan, Vladimir Khrisanfovich; Panjushkin, Nikolai Vasilievich; and Veevnik, Vladimir Fomich. Pipe-cutting machine. 3,807,260, 4-30-74, Cl. 82-101.000.

Berecz, Imre, to Kaynar Mfg. Co., Inc. Powered fastener driving tool. 3,802,617, 4-9-74, Cl. 227-112.000.

Beregi, Laszlo; Hugon, Pierre; Desnoyers, Pierre; and Duhault, Jacques, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Benzenesulfonyl semicarbazides. 3,810,914, 5-14-74, Cl. 260-326.100.

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Berejka, Anthony J.; and Drexler, Leonard H., to Esso Research and Engineering Company. Pressure sensitive adhesive compositions. 3,801,531, 4-2-74, Cl. 260-33.4pq.

Berenbaum, Morris Benjamin; and Sogn, Allen Walter, to Allied Chemical Corporation. Preparation and uses of N-(τ-aminoalkyl)-2-aminoethane sulfonic acids as cationic dyeable additives to polyamides. 3,823,120, 7-9-74, Cl. 260-78.00r.

Berencz, Endre L.; and Schweitzer, Peter B. Yarn guide driving device. 3,853,278, 12-10-74, Cl. 242-43.000.

Berend, David: *See*—
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Berends, Howard P., to Holland Hitch Company. Inverted fifth wheel coupler. 3,813,114, 5-28-74, Cl. 280-434.000.

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Berens, Alan R.; and Paxton, Thomas R., to Goodrich, B. F., Company, The. Internally coated reaction vessel and process for coating the same. 3,825,434, 7-23-74, Cl. 117-72.000.

Berens, Darrell E. Dual purpose cabinet. 3,848,940, 11-19-74, Cl. 312-135.000.

Berens, Stephen: *See*—
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Beresniewicz, Aleksander, to Du Pont de Nemours, E. I., and Company. Aqueous dispersions of vinyl ester polymers. 3,827,996, 8-6-74, Cl. 260-29.6wb.

Berets, Donald Joseph; Castellion, George Augustus; and Haacke, Gottfried, to American Cyanamid Company. Electrochromic information displays. 3,839,857, 10-8-74, Cl. 58-23.00r.

Berets, Donald Joseph, to American Cyanamid Company. Electrochromic light modulating devices having a palladium counter electrode. 3,843,232, 10-22-74, Cl. 350-160.00r.

Beretsky, Irwin; and Lichtenstein, Bernard, to Technicon Instruments Corporation. Methodology and apparatus for non-invasive biophysical diagnosis. 3,830,223, 8-20-74, Cl. 128-2.00v.

Beretta, Graziella: *See*—
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Beretta, Paolo; and Magnani, Luigi, to Minnesota Mining and Manufacturing Company. Merocyaninic dyes and their use in silver halides photographic emulsions containing the same. 3,836,370, 9-17-74, Cl. 96-127.000.

Bereziat, Andre, 1/2 to Plastique, Astra. Pouring plug preventing fraudulent filling of containers. 3,814,273, 6-4-74, Cl. 215-20.000.

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Berg, Albert L. Boat trailer loading and supporting device. 3,840,133, 10-8-74, Cl. 214-450.000.

Berg, Albert T., Jr.; and Langlie, Howard. Electric fence insulator for T-shaped posts. 3,820,758, 6-28-74, Cl. 256-10.000.

Berg, Allen Clark; Forgensi, Rudolph; and Lipani, Anthony Frank, to Xerox Corporation. Electrostatographic development with ferrite developer materials. 3,839,029, 10-1-74, Cl. 96-1.0sd.

Berg, Carls Olof: *See*—
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Berg, Christoph, to Sartorius-Werke GmbH. Method of digitally squaring the ratio of two frequencies. 3,821,536, 6-28-74, Cl. 235-160.000.

Berg, David A., to Allis-Chalmers Corporation. Hydraulic coupling. 3,809,122, 5-7-74, Cl. 137-614.060.

Berg, Donald P.; and Groth, Hugh P., to Cross River Products, Inc. Foldable and adjustable crib. 3,789,439, 2-5-74, Cl. 5-99.00c.

Berg, Edward A.; and Chen, Frank T., to Data Transmission Company. Synchronous data transmission network. 3,823,401, 7-9-74, Cl. 343-204.000.

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Berg, Gerhard; Nordsiek, Karl-Heinz; and Maahs, Gunter, to Chemische Werke Huls Aktiengesellschaft and Chemische Werke Heuls Aktiengesellschaft. Process for the production of pourable elastomer particles. 3,846,365, 11-5-74, Cl. 260-33.6aq.

Berg, Harry, to H. B. Contracting Ltd. Shoring jacking. 3,851,856, 12-3-74, Cl. 254-93.00r.

Berg, Jeffrey H.: *See*—
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Berg, John R.: *See*—
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Berg, Lawrence F., to Caterpillar Tractor Company. Flow control valve. 3,786,827, 1-22-74, Cl. 137-109.000.

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Berg, Leo; Lenemann, Gerhard Johann; and Kinneging, Johannes Wilhelmus, to Knapsack Aktiengesellschaft. Filling nozzle and in-

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Berg, Marie-Louise. Fuel bag for arrangement in a fuel tank. 3,838,795, 10-1-74, Cl. 222-105.000.
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Berg, Robin L., to Fuller, H. B., Company. Litter vacuum cleaner. 3,802,025, 4-9-74, Cl. 15-347.000.
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Bergamini, Lucio. Carburetor system. 3,807,710, 4-30-74, Cl. 261-39.00a.
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Bergbauer, Axel; Ploger, Manfred; and Seyd, Gunther, to Siemens Aktiengesellschaft. Device for closing off defective heat exchanger tubes. 3,785,291, 1-15-74, Cl. 102-24.00r.
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Berger, Abe, to General Electric Company. Organosilicon compound with isothiocyanate substituent bonded through divalent bridge. 3,790,613, 2-5-74, Cl. 260-448.80r.
Berger, Abe; and Selin, Terry G., to General Electric Company. Silyl maleates and polysiloxane maleates. 3,793,361, 2-19-74, Cl. 260-448.20n.
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Berger, Abe, to General Electric Company. Nitrogen-containing organosilicon materials. 3,821,218, 6-28-74, Cl. 260-248.0ns.
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Berger, Benjamin, to Bermaid Irrigation Controls. Self-cleaning filter. 3,850,802, 11-26-74, Cl. 210-106.000.
Berger, Charles V., to Universal Oil Products Company. Process for producing volatile hydrocarbon products from coal and hydrogen. 3,839,186, 10-1-74, Cl. 208-8.000.
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Berger, Henri, to Societe d'Applications Generales d'Electricite et de Mecanique. Proportional position coder. 3,786,459, 1-15-74, Cl. 340-196.000.
Berger, Herbert; Gall, Rudi; Thiel, Max; Vomel, Wolfgang; and Sauer, Winfriede, to Boehringer Mannheim GmbH. Novel nitrofuran compounds and pharmaceutical compositions. 3,823,137, 7-9-74, Cl. 260-240.100.
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Berger, Irvin E. Bumper mounted rack. 3,841,544, 10-15-74, Cl. 224-42.03b.
Berger, James K., to Pioneer Magnetics, Inc. Inrush current limiting circuit. 3,787,756, 1-22-74, Cl. 321-11.000.
Berger, James K., to Computer Design Corporation. Mark sense card reader. 3,814,944, 6-4-74, Cl. 250-555.000.
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Berger, Julius; and Rosenberger, Michael, to Hoffmann-La Roche Inc. (-)-9-Oxo-5(s)-hydroxy-decanoic acid lactone. 3,829,447, 8-13-74, Cl. 260-343.500.
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Berger, Rene. Articulated, unit cast case system for ungluing documents. 3,790,429, 2-5-74, Cl. 156-584.000.
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Berger, Richard M., to American Filtrona Corporation. Tobacco smoke filter. 3,811,451, 5-21-74, Cl. 131-10.00r.
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Berger, Samuel. Self-adjustable shirt collar. 3,828,365, 8-13-74, Cl. 2-128.000.
Berger, Thomas C.; and Loichinger, Fred A., to Stoelting Brothers Company. Automatic hoop filling unit. 3,805,689, 4-23-74, Cl. 99-461.000.
Bergeron, Alfred. Piston ring construction. 3,792,867, 2-19-74, Cl. 277-193.000.
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Bergeron, John A., to General Electric Company. Combined sampling and bacteriological culturing device. 3,838,013, 9-24-74, Cl. 195-139.000.
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Bergeron, Maurice, to Compagnie Europeenne de Manutention. Conveyor link and conveyor chains made therefrom. 3,807,548, 4-30-74, Cl. 198-195.000.
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Bergey, John M., to Time Computer, Inc., mesne. Solid state watch with magnetic setting. 3,789,601, 2-5-74, Cl. 58-50.00r.
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Bergey, John M., to HMW Industries, Inc. Solid state watch display switch. 3,823,550, 7-16-74, Cl. 58-50.00r.
Bergey, John M., to Time Computer, Inc., mesne. Self-illuminated liquid crystal timepiece. 3,841,083, 10-15-74, Cl. 58-50.00r.
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Berggren, Benny; and Boling, Goran, to Stiftelsen Institutet for mikrovagsteknik vid Tekniska Hogskolan i Stockholm. Apparatus for heating by microwave energy. 3,848,106, 11-12-74, Cl. 219-10.550.
Berggren, John L. Counterbalancing assembly for air motivated device. 3,782,222, 1-1-74, Cl. 74-590.000.
Berggren, John L. Mechanical movement. 3,785,213, 1-15-74, Cl. 74-60.000.
Berggren, Lloyd E., to Technology Applications Corporation. Record storage racks. 3,794,394, 2-26-74, Cl. 312-19.000.
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Bergh, Arne Knut; and Rodgers, Peter George, to Canadian Patents and Development Limited. Method of obtaining alcohol specimens and apparatus therefor. 3,822,117, 7-2-74, Cl. 23-232.00r.
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Berghofer, Hans. Disengageable safety coupling for conduits. 3,826,464, 7-30-74, Cl. 251-149.900.
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Bergin, Paul F. Sink stopper. 3,800,339, 4-2-74, Cl. 4-287.000.
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Bergles, Joseph L.; and Nelson, Marvin A. Water treatment filter bed for sewage systems. 3,823,825, 7-16-74, Cl. 210-170.000.
Berglund, Carl Neil; Nicollian, Edward Haig; Tompsett, Michael Francis; and Waggener, Herbert Atkin, to Bell Telephone Laboratories, Incorporated. Multiple-level metallization for integrated circuits. 3,837,907, 9-24-74, Cl. 117-212.000.
Berglund, Harold A.; and Thomas, David F., to Waterous Company. Ice cream pump. 3,822,964, 7-9-74, Cl. 417-44.000.
Berglund, Neil C.; Kerr, John W.; and Petrie, Jerome U., to International Business Machines Corporation. Simplified storage protection and address translation under system mode control in a data processing system. 3,828,327, 8-6-74, Cl. 340-172.500.
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Bergman, Carl-Axel Leopold, to Aktiebolaget Overums Bruk. Electric motor adapted to be coupled directly to a shaft of apparatus for performing work. 3,854,063, 12-10-74, Cl. 310-75.00d.
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Bergman, Kurt Tage Lennart, to Kafak Aktiebolag. Method and means for breaking a high-power circuit. 3,825,708, 7-23-74, Cl. 200-146.00r.
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Bergmann, Ewald, to Schuler, L., GmbH. Apparatus for the alignment of blanks for motor plates. 3,823,460, 7-16-74, Cl. 29-203.001.
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Bergmann, Richard J., to United Aircraft Corporation. Snap-on lock for turbomachinery blades. 3,841,794, 10-15-74, Cl. 416-221.000.

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Bergmeister, Eduard; Ludwig, Peter; Wiest, Hubert; and Lieb, Erwin, to Wacker-Chemie GmbH. Process for the preparation of stable, aqueous copolymer dispersions of vinyl esters and ethylene. 3,817,896, 6-18-74, Cl. 260-29.60r.

Bergmeister, Eduard; Ludwig, Peter; Wiest, Hubert; and Hafener, Klaus, to Wacker-Chemie GmbH. Polymeric dispersions of pressure-sensitive adhesives and process. 3,835,086, 9-10-74, Cl. 260-33.60a.

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Bergna, Horacio Enrique, to Du Pont de Nemours, E. I., and Company. Thermoplastic composites with low alkali glass fillers. 3,804,802, 4-16-74, Cl. 260-42.160.

Bergobbi, Robert W., to Pneumatic Scale Corporation. Apparatus for filling containers including means responsive to both the weight and the height of the material dispensed. 3,822,032, 7-2-74, Cl. 222-55.000.

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Bergomi, Joseph G., Jr., to Monsanto Company. Flame-resistant compositions of ethylene/vinyl chloride interpolymers and hydrated alumina. 3,827,997, 8-6-74, Cl. 260-29.6ta.

Bergonzi, Mario: *See—*
Battaglia, Dino; Bergonzi, Mario; Teagno, Wladimiro; and Trevisiol, Franco, 3,825,880.

Bergquist, Arthur John; Blaby, Roy E.; and Hopkins, John W., to Lockheed Petroleum Services, Ltd. Method and apparatus for joining subsea pipelines. 3,795,115, 3-5-74, Cl. 61-72.300.

Bergquist, Carl R., Jr., to Bergquist Co., Inc., The. Commutator ring banding. 3,848,332, 11-19-74, Cl. 29-497.000.

Bergquist, Clifford A., to Pendleton Tool Industries, Inc. Predetermined torque release wrench. 3,839,928, 10-8-74, Cl. 81-52.40r.

Bergquist Co., Inc., The: *See—*
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Bergson, Arnold A.; and Johns, Paul A., to Tenneco Inc. Pulse converter for exhaust system. 3,807,527, 4-30-74, Cl. 181-35.00b.

Bergson, Arnold A.; and Johns, Paul A., to Tenneco Inc. Method of determining compliance poles in exhaust system. 3,853,200, 12-10-74, Cl. 181-35.00b.

Bergson, Gustav. Three way valve for flow regulator connected to moisture analyzer. 3,795,260, 3-5-74, Cl. 137-599.000.

Bergson, Gustav. Tristimulus filter colorimeter with improved meter zero setting means. 3,807,871, 4-30-74, Cl. 356-173.000.

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Bergstedt, Jan O.: *See—*
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Bergstedt, Karl Abdon, to AB Volvo Penta. Hydraulic trim/tilt system for outboard propulsion units. 3,842,789, 10-22-74, Cl. 115-41.0ht.

Bergstedt, Karl Abdon, to AB Volvo Penta. Torque compensating mechanism for boat drives. 3,857,357, 12-31-74, Cl. 115-41.00r.

Bergstedt, Lowell C., to Searle, G. D., & Co. Scintillation camera with improved resolution. 3,792,273, 2-12-74, Cl. 250-366.000.

Bergstreser, Neil E.: *See—*
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Bergstrom, Darryl K.; and Clark, David C., to Lear Siegler, Inc. Circular connection bands for a suspended body. 3,817,508, 6-18-74, Cl. 267-160.000.

Bergstrom Paper Company: *See—*
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Bergstrom, Peter Christoph; Birgersson, Dick Carl Birger; and Birgersson, Gustav Harald. Tool assembly, particularly for lathe chip separating tools. 3,851,551, 12-3-74, Cl. 82-37.000.

Bergstrom, Sun; and Sjovall, Jan. PGF3β. 3,804,880, 4-16-74, Cl. 260-468.00d.

Bergstrom, Sune; and Sjovall, Jan. PGE 2 esters and alkanoates. 3,795,697, 3-5-74, Cl. 260-468.000.

Bergstrom, Sune; and Sjovall, Jan. Dihydro-PGF 1 β. 3,796,740, 3-12-74, Cl. 260-468.00d.

Bergstrom, Sune; and Sjovall, Jan. PGF 1 β. 3,796,741, 3-12-74, Cl. 260-468.00d.

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Bergstrom, Sune; and Sjovall, Jan. PGF3α. 3,804,879, 4-16-74, Cl. 260-468.00d.

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Bergstrom Sune; and Sjovall, Jan. PGF tetraols and alkanoyl esters. 3,852,337, 12-3-74, Cl. 260-488.00r.

Bergstrom, Theodore R., to Minnesota Mining and Manufacturing Company. Filter. 3,788,486, 1-29-74, Cl. 210-496.000.

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Bergum, Bernard C.; and Youngquist, John A., to ESB Incorporated. Battery with duplex electrode construction using continuous metal carrier strip having at least one nonreactive metal side. 3,784,410, 1-8-74, Cl. 136-10.000.

Bergvall, Knut Lennart; and Dehlberg, Ernst Erik, to Interco Aktiebolag. Outer wall structure of prefabricated wall elements. 3,844,081, 10-29-74, Cl. 52-235.000.

Bergwerksverband GmbH: *See—*
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Beriger, Ernst, to Ciba-Geigy AG. Control of weeds with O,O-dialkyl-S-morpholinocarbonylonethyl-thiophosphates and dithiophosphates. 3,807,984, 4-30-74, Cl. 71-87.000.

Beriger, Ernst, to Ciba-Geigy Corporation. O-Acrylic acid ester-O-alkyl-(thio)-phosphonic amides. 3,819,752, 6-25-74, Cl. 260-941.000.

Beriger, Ernst. O-Ethyl-S-n propyl-S-carbamoylalkyl dithiophosphates. 3,845,171, 10-29-74, Cl. 260-943.000.

Berinde, Vasile; Million, Adolf; Greavu, Nicolae; and Million, Carol, to Institutul de Cercetari Tehnologice Pentru Constructii de Masini. Welding process using granular or powder filler delivered on open-channel strip. 3,819,901, 6-25-74, Cl. 219-76.000.

Beringer, Charles William; and Wilder, Marion Archer, Jr., to Allied Chemical Corporation. Auxiliary yarn start-up wheel and method for draw false twist machines. 3,793,817, 2-26-74, Cl. 57-34.0hs.

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Berkeley Bio-Engineering, Inc.: *See—*
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Berkelhammer, Gerald; and Asato, Goro, to American Cyanamid Company. 2,5-Disubstituted 1,3,4-thiadiazoles. 3,794,665, 2-26-74, Cl. 260-306.80d.

Berkelhammer, Gerald; and Asato, Goro, to American Cyanamid Company. Substituted nitroimidazolyl thiadiazoles as growth promoting agents. 3,830,924, 8-20-74, Cl. 424-270.000.

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Berkenblit, Melvin; Cole, James N.; Herrell, Dennis J.; Light, Thomas B.; Park, Kyu C.; and Reisman, Arnold, to International Business Machines Corporation. Methods for fabricating bistable resistors. 3,795,977, 3-12-74, Cl. 29-585.000.

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Berkhouse, Thomas W., to International Paper Company. Display card. 3,831,300, 8-27-74, Cl. 40-21.00b.

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Berkley, David Arthur; and Mitchell, Olga Mary Mracek, to Bell Telephone Laboratories, Incorporated. Speech suppression by predictive filtering. 3,784,747, 1-8-74, Cl. 179-1.0hf.

Berkman, Samuel; and Roundtree, Ural, Jr., to RCA Corporation. Vapor deposition apparatus with pyrolytic graphite heat shield. 3,845,738, 11-5-74, Cl. 118-49.000.

Berkovits, Barough V., to Berkovits, Barouh V. Single catherter for atrial and ventricular stimulation. 3,825,015, 7-23-74, Cl. 128-404.000.

Berkovits, Barouh V.: *See—*
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Berkovits, Barouh V., to American Optical Corporation. Atrial and ventricular pacer having independent rate controls and means to maintain a constant AV delay. 3,814,106, 6-4-74, Cl. 128-419.00p.

Berkovits, Barouh V.; and Denouter, Pieter J., to Lewis, Edward L. and American Optical Corporation. Extra-corporeal medical instrument electrical connector. 3,824,556, 7-16-74, Cl. 339-268.00s.

Berkovitz, Harry, to Westinghouse Electric Corporation. Speed responsive sensor. 3,802,274, 4-9-74, Cl. 73-497.000.

Berkovitz, Harry, to Westinghouse Electric Corporation. Elevator system. 3,838,752, 10-1-74, Cl. 187-20.000.

Berkovitz, Harry; and Tosato, Lawrence, to Westinghouse Electric Corporation. Closure system. 3,857,466, 12-31-74, Cl. 187-52.000.

Berkowitz, Ami E.; and Meiklejohn, William H., to General Electric Company. Non-impact, curie point printer. 3,832,718, 8-27-74, Cl. 346-74.0mt.

Berkowitz, Florence. Wedge bolster bedding holder. 3,784,993, 1-15-74, Cl. 5-308.000.

Berkowitz, Irving L., to Kason Hardware Corporation. Panel fastener. 3,784,240, 1-8-74, Cl. 292-111.000.

Berkowitz, Lawrence; Novickis, Georgs; and Sheth, Prafulchandra N., to Dickson Paper Fibre, Inc., mesne. Trash separating apparatus. 3,831,748, 8-27-74, Cl. 209-12.000.

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Berkowitz, Murray: *See—*
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Berkowitz, Murray; and Davis, Robert C., to Curtiss-Wright Corporation. Heat exchanger. 3,800,868, 4-2-74, Cl. 165-170.000.

Berkowitz, Sidney, to FMC Corporation. Formulating with a non-burning chlorinated dry bleach. 3,789,000, 1-29-74, Cl. 252-95.000.

Berkowitz, Sidney. Continuous production of sodium dichloroisocyanurate dihydrate. 3,803,144, 4-9-74, Cl. 260-248.00c.

Berkowitz, Sidney, to FMC Corporation. Production of sodium dichloroisocyanurate. 3,818,004, 6-18-74, Cl. 260-248.00c.

Berkowitz, Sidney; and Roth, Edwin S., to FMC Corporation. Method of stabilizing dichlorocyanuric acid salts. 3,853,867, 12-10-74, Cl. 260-248.00c.

Berks, William I.; and Meissinger, Hans F., to TRW Inc. Deployable solar array for a spin stabilized spacecraft. 3,817,481, 6-18-74, Cl. 244-1.0ss.

Berkun, Earl E., to Cosco, Inc. Clothes hamper. 3,843,222, 10-22-74, Cl. 312-257.00a.

Berlant, Sigmund F. Air curtain device incorporating ultraviolet light. 3,827,862, 8-6-74, Cl. 21-74.00r.

Berlat, Norman R., to Union Carbide Corporation. Process for making silicon metal. 3,809,571, 5-7-74, Cl. 117-106.00a.

Berleue, Albert J.; and Dumbaugh, William H., Jr., to Corning Glass Works. Stabilized bismuthate glasses. 3,837,868, 9-24-74, Cl. 106-47.00r.

Berley, Michael John, to Water Research Association, The. Dewatering sludges. 3,817,048, 6-18-74, Cl. 62-64.000.

Berleyoung, Walter J.: *See—*
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Berleyoung, Walter J., and Lewis, Jay L., to Robertshaw Controls Company. Thermometer construction and method of making the same. 3,818,763, 6-25-74, Cl. 73-363.700.

Berlin, Aaron S.; Little, Vincent C.; and Leadore, Toney, to United States of America, Army. Removable firing pin assembly munition. 3,782,288, 1-1-74, Cl. 102-64.000.

Berlin, Alexandr Zinovievich: *See—*
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Berlin, Daniel, to General Home Products Corporation. Pivotal body-supporting exercising apparatus. 3,782,717, 1-1-74, Cl. 272-58.000.

Berlin, Evan H. Balancing skill game. 3,784,196, 1-8-74, Cl. 273-1.00e.

Berlin, German Semenovich; Shenker, Dmitry Dmitrievich; and Sedebrenny, Valery Germanovich. Pickup of the angular speed of a rotating object. 3,789,673, 2-5-74, Cl. 73-505.000.

Berlin, German Semenovich; Potapov, Nikolai Akimovich; and Shenker, Dmitry Dmitrievich. Photoelectric device for generating and filtering low-frequency harmonic oscillations. 3,805,190, 4-16-74, Cl. 331-116.00m.

Berlin, Helmut Batsch: *See—*
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Berliner, Emanuel R.; and Ishii, Harukichi, to Bristoline, Inc. Adjustable tension control means for microscopes. 3,826,559, 7-30-74, Cl. 350-86.000.

Berliner, Julius F. T., to Hosiery Mate Company, The. Textile strengthener. 3,784,497, 1-8-74, Cl. 260-29.6xa.

Berliner, Wallace H.: *See—*
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Berlot, Leslie; and Kronman, Seymour, to United States of America, Army. Armor piercing fragment and launcher. 3,802,342, 4-9-74, Cl. 102-24.0hc.

Berlyn Corporation, The: *See—*
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Berlyn, Martin John, to CAV Limited. Fuel injection nozzle units. 3,838,821, 10-1-74, Cl. 239-533.000.

Bermaid Irrigation Controls: *See—*
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Berman, Aaron Robert; deceased (by Berman, Katharine D.; administratrix). Golf ball. 3,784,209, 1-8-74, Cl. 273-218.000.

Berman, Alby M., to Energy Development Association, mesne. Electronic accelerator control for electric vehicle. 3,818,292, 6-18-74, Cl. 318-139.000.

Berman, Arnold: *See—*
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Berman, Baruch, to TRW Inc. Energy storage and transfer power processor with self-contained parametric regulating loop. 3,790,816, 2-5-74, Cl. 307-149.000.

Berman, George A.: *See—*
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Berman, Harold, to ACA Tapes, Inc. Tape dispenser. 3,796,341, 3-12-74, Cl. 220-4.000.

Berman, Harold, to Morton-Norwich Products, Inc. Method for making τ-butyl 2,4,5-trichloro phenyl carbonate. 3,829,456, 8-13-74, Cl. 260-463.000.

Berman, Herbert: *See—*
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Berman, Herbert S., to Westinghouse Electric Corporation. Silicon carbide junction thermistor. 3,832,668, 8-27-74, Cl. 338-22.0sd.

Berman, Irwin; Henschel, Robert; Pai, David H.; Nash, Charles F.; Mack, Anthony M.; and Alfano, Bernardino M., to Foster Wheeler Corporation. Apparatus for testing dimensional variations in a test specimen. 3,808,880, 5-7-74, Cl. 73-90.000.

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Berman, Richard M.; and Schwartz, Bernard, to Alphamedics Mfg. Corporation. Hand-operated pipette. 3,786,683, 1-22-74, Cl. 73-425.40p.

Bermanseder, Norbert: *See—*
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Bermanseder, Robert; and Bermanseder, Norbert, to Daimler-Benz Aktiengesellschaft. Bus. 3,797,881, 3-19-74, Cl. 296-28.00a.

Bermes, Rudolf; and Schmeidl, Karl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 2,2-Dimethylpropanediol-1,3-dinitrite. 3,792,077, 2-12-74, Cl. 260-467.000.

Bermges, Manfred, to Palitex Project-Company GmbH. Closure means for threading slot of balloon restrainer device for textile yarn processing machine. 3,782,098, 1-1-74, Cl. 57-106.000.

Bernacchi, Gerald Roy, to Advanced Memory Systems, Inc. Reference voltage generator circuit. 3,794,861, 2-26-74, Cl. 307-297.000.

Bernady, Karel Francis; Poletto, John Frank; and Weiss, Martin Joseph, to American Cyanamid Company. 1-Alkoximino-2-(omega-substituted-alkyl)-2-cyclopentenes. 3,836,581, 9-17-74, Cl. 260-566.0ae.

Bernady, Karel Francis; Floyd, Middleton Brawner, Jr.; Poletto, John Frank; Schaub, Robert Eugene; and Weiss, Martin Joseph, to American Cyanamid Company. Preparation of 9-oxo-13-trans-prostenoic acid esters by alanate addition to cyclopentenone. 3,853,951 12-10-74, Cl. 260-468.00d.

Bernaerts, Henry J., to United States of America, Navy. Safety cutoff for propellers. 3,805,723, 4-23-74, Cl. 114-16.00r.

Bernaerts, Henry J. Labyrinth air valve for rotor hub. 3,853,424, 12-10-74, Cl. 416-20.000.

Bernal Rotary Systems, Inc., mesne: *See—*
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Bernaola, Omar A. Methods for the elimination of scors using copolymer films in place of surgical sutures. 3,847,155, 11-12-74, Cl. 128-334.00r.

Bernard, Andre; Gagne, Pierre; Gras, Georges; and Neel, Jean, to Societe Civile dite Soltex. Textile material coated with a water-proofing agent. 3,788,884, 1-29-74, Cl. 117-121.000.

Bernard, Arthur A.; and Bernard, Richard A., to Dover Corporation. Arc welding gun. 3,803,381, 4-9-74, Cl. 219-130.000.

Bernard, Charles, to Societe Airborne S.A. Bed settee. 3,829,913, 8-20-74, Cl. 5-46.000.

Bernard, Christian, to Dollfus-Mieg & Cie. Prefabricated trouser fly. 3,789,430, 2-5-74, Cl. 2-234.000.

Bernard, Christian, to Dollfus-Mieg & Cie. Prefabricated trouser-fly. 3,795,920, 3-12-74, Cl. 2-234.000.

Bernard, Georges: *See—*
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Bernard, Georges F.: *See—*
Paraskevas, Dimitri; L'Hermite, Alain A.; Bernard, Georges F.; and Guinet, Jacques E., 3,847,481.

Bernard, Henry W. Golf ball sphericity gauge. 3,828,442, 8-13-74, Cl. 33-178.00b.

Bernard, Jacques J. P., to Degremont Societe Generale d'Epuration et d'Assainissement. Combined apparatus for the biological purification of waste waters. 3,834,540, 9-10-74, Cl. 210-195.000.

Bernard, James A.; and Brucken, Byron L., to General Motors Corporation. Roll retractor for roller drive mechanism. 3,835,719, 9-17-74, Cl. 74-208.000.

Bernard, Jean; Borel, Joseph; Glotin, Philippe; and Lacour, Jacques, to Commissariat a l'Energie Atomique. Complex integrated circuit comprising mos transistors obtained by ion implantation. 3,816,905, 6-18-74, Cl. 29-571.000.

Bernard, Jean Paul, to Societe Anonyme Aerazur Constructions Aeronautiques. Safety valve with inertial opening control. 3,787,067, 1-22-74, Cl. 280-150.0ab.

Bernard, Michel, to Automobiles M. Berliet. Balancing device for a six crankpin crankshaft. 3,835,728, 9-17-74, Cl. 74-603.000.

Bernard, Nicole: *See—*
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Bernard, Richard A.: *See—*
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Bernard, Vincent E.; and MacGregor, Duane F., to Container Corporation of America. Rib cutting apparatus. 3,849,836, 11-26-74, Cl. 17-1.00r.

Bernard, Walter J., to Sprague Electric Company. Electrolytic formation process for aluminum capacitor electrodes. 3,796,644, 3-12-74, Cl. 204-58.000.

Bernard, Walter J., to Sprague Electric Company. Tantalum pellet system and methods of making and using the same. 3,843,492, 10-22-74, Cl. 204-25.000.

Bernard, Walter J., to Sprague Electric Company. Tantalum pellet system and methods of making and using the same. 3,846,260, 11-5-74, Cl. 204-25.000.

Bernardi Bros., Inc.: *See—*
Bernardi, Donald A., 3,783,466.
Bernardi, Robert P., 3,828,716.

Bernardi, Donald A., to Bernardi Bros., Inc. Manually controlled vehicle washing apparatus. 3,783,466, 1-8-74, Cl. 15-21.00e.

Bernardi, Luigi; De Castiglione, Roberto; Fregnan, Gian Carlo; and Goffredo, Onofrio, to Societa Farmaceutici Italia. Polypeptides related to the C-terminal heptapeptide of bombesin and alytesin. 3,792,032, 2-12-74, Cl. 260-112.500.

Bernardi, Luigi; Patelli, Bianca; and Temperilli, Aldemio, to Societa Farmaceutici Italia. 8,9-Didehydro-10-alkoxy-ergolenes and process of preparation thereof. 3,814,765, 6-4-74, Cl. 260-268.0pe.

Bernardi, Luigi; De Castiglione, Roberto; and Colonna, Vincenzo. Methylenetetracycline formate ester. 3,842,123, 10-15-74, Cl. 260-490.000.

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Bernardi, Oscar. Apparatus for removing snow from pitched roofs. 3,792,728, 2-19-74, Cl. 165-47.000.

Bernardi, Robert P., to Bernardi Bros., Inc. Mooring device. 3,828,716, 8-13-74, Cl. 114-221.00r.

Bernardin, Inc.: *See—*
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Bernardin, Leo J.; and Rall, Micharl D., to Kimberly-Clark Corporation. Tampon applicator combination. 3,805,786, 4-23-74, Cl. 128-263.000.

Bernardin, Leo J.; and Radl, Michael D., to Kimberly-Clark Corporation. Method for scenting tampons and product obtained thereby. 3,830,237, 8-20-74, Cl. 128-270.000.

Bernardo, Anthony C., to Allied Chemical Corporation. Flame retardant polymer compositions. 3,845,012, 10-29-74, Cl. 260-45.75b.

Bernardot, Andre: *See—*

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Bernards, Antonius P.: *See—*
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Bernath, John. Jacketed bullet. 3,828,678, 8-13-74, Cl. 102-92.000.

Bernath, Oskar, to Fischer, Georg, Aktiengesellschaft. Filling thread stop motion device for a shuttleless weaving machine. 3,804,129, 4-16-74, Cl. 139-370.000.

Bernatt, Joseph; and Rogers, Edward J., to S & C Electric Company. Integral fuse and switch support for metal-enclosed switch gear. 3,842,381, 10-15-74, Cl. 337-7.000.

Bernatt, Joseph; and Rogers, Edward J., to S&C Electric Company. High voltage switch arrangement. 3,855,433, 12-17-74, Cl. 200-48.00r.

Bernatti, Edmo. Slidable spindle joint. 3,802,712, 4-9-74, Cl. 279-18.000.

Bernazzani, Richard J., to United States of America, Army. Folding wire handle for cups. 3,813;003, 5-28-74, Cl. 220-94.00r.

Berndt, Alvin W.; and Freyberger, Alex. Gravity flow portable laundry liquid dispenser. 3,826,408, 7-30-74, Cl. 222-70.000.

Berndt, Hans-Detlef: *See—*
Kerb, Ulrich; Wiechert, Rudolf; Eder, Ulrich; and Berndt, Hans-Detlef, 3,809,690.

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Berndt, Neil R.: *See—*
Morren, George J.; and Berndt, Neil R., 3,820,343.

Berndt, Wilhelm, to Volkswagenwerk Aktiengesellschaft. Gas pedal arrangement. 3,857,304, 12-31-74, Cl. 74-877.000.

Bernebey-Cheney Company: *See—*
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Bernemann, Paul: *See—*
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Berner, Douglas G.: *See—*
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Berner, Erling. Process for rapidly molding articles from foamable thermoplastic particles involving multiple foaming operations. 3,853,972, 12-10-74, Cl. 264-53.000.

Berner, Robert E. Pericranial splint and retainer assembly. 3,835,848, 9-17-74, Cl. 128-76.00c.

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Berner, Theodor. Rolling toy hoop. 3,823,507, 7-16-74, Cl. 46-220.000.

Berney, Jean-Claude, to Golay, Bernard, S.A. Circuit for synchronizing a mechanical resonator. 3,798,521, 3-19-74, Cl. 318-128.000.

Berney, Jean-Claude, to Golay, Bernard, S.A. Oscillation maintenance method for mechanical resonator and related apparatus. 3,805,179, 4-16-74, Cl. 331-1.00a.

Berney, Jean-Claude, to Bernard S.A. Electric oscillation maintenance circuit for motor element oscillations. 3,806,781, 4-23-74, Cl. 318-130.000.

Berney, Joseph C. Casing machine and method. 3,808,770, 5-7-74, Cl. 53-47.000.

Bernhard, Albert J.: *See—*
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Bernhard, Johann, to Pro Medical Engineering AB. Coupling means for use with blood sampling apparatus. 3,838,843, 10-1-74, Cl. 251-149.100.

Bernhardson, Rune Bernard; Lundfeldt, Karl Lennart; and Ullerfors, Karl-Erik, to Telefonaktiebolaget LM Ericsson. Method and system for detecting wheel flats on rail vehicles. 3,844,513, 10-29-74, Cl. 246-169.00r.

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Bernhardt, Helga, nee Knobel: *See—*
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Bernhardt, Walter; and Paule, Willy, to Bosch, Robert, GmbH. Tractor-trailer electrical connection system for wheel brake antilock-equipped tractors. 3,822,920, 7-9-74, Cl. 303-20.000.

Bernhardt, William F., Jr. Bicycle safety seat for child. 3,845,892, 11-5-74, Cl. 224-36.000.

Bernhart, Donald Norman, to Stauffer Chemical Company. Process for preparing alkyl phenyl phosphate and phosphorothionate compounds. 3,792,132, 2-12-74, Cl. 260-973.000.

Bernheim, Willy: *See—*
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Bernheim, Willy; and Deiner, Hans, to Chemische Fabrik Pfersee GmbH. Water-soluble or inherently water-dispersible condensation products which cross link with heating and the use of these condensation products as curing agents for organopolysiloxanes. 3,84,022, 11-12-74, Cl. 260-824.0ep.

Bernholz, William F.; Nahta, Roop C.; and Redston, John P., to PVO International Inc. Textile finish. 3,785,973, 1-15-74, Cl. 252-8.800.

Berni, Ralph J.: *See—*
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Berni, Ralph J.; Benerito, Ruth R.; and Soignet, Donald M., to United States of America, Agriculture. Reaction of sodium cellulosate with mono- and difunctional epoxides in non-aqueous media. 3,829,290, 8-13-74, Cl. 8-120.000.

Bernin, Victor M.: *See—*
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Bernin, Victor M., to Illinois Tool Works Inc. Solid state phase output switch with noise immunity and diagnostic capabilities. 3,836,910, 9-17-74, Cl. 340-365.001.

Bernin, Victor M., to Illinois Tool Works Inc. Diagnostic solid state switch structure. 3,851,319, 11-26-74, Cl. 340-174.0sp.

Bernin, Victor Maurice, to Illinois Tool Works Inc. Angular velocity sensor. 3,855,525, 12-17-74, Cl. 324-34.00d.

Berning, Eugene B.: *See—*
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Berninger, Gale F., to General Motors Corporation. Support assembly for a throttle pedal and switch actuatable thereby. 3,794,787, 2-26-74, Cl. 200-61.890.

Bernold, Jean P., 50% to Pfeiffer, Hans Walter. Tunnel structure. 3,855,801, 12-24-74, Cl. 61-45.00r.

Bernot, Jean, to Trefilunion. Machine and method for producing an expansible cylindrical lattice structure, in particular for a reinforcement of a pipe having a socket. 3,837,372, 9-24-74, Cl. 140-92.200.

Berns, Avalo A. Hip clamp and lifting frame for bovine quadrupeds. 3,827,406, 8-6-74, Cl. 119-100.000.

Berns, Harald, to Sehlbach, Herbert, KG. Cincher for packaging straps. 3,835,506, 9-17-74, Cl. 24-68.00d.

Berns, Heinz-Josef: *See—*
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Bernstein, Barry E.; Erbstein, Robert S.; and Pazis, Thomas, to Leesona Corporation. Automatic control system for correcting textile machinery malfunctions from senses and stored malfunction data. 3,789,595, 2-5-74, Cl. 57-34.00r.

Bernstein, Benjamin T.; Crawshaw, James R.; and McCurry, Morris H., to Union Specialty Machine Company, mesne. Sewing machine motor and control circuit. 3,832,613, 8-27-74, Cl. 318-269.000.

Bernstein, Bertram L. Waist-supporting garment. 3,812,862, 5-28-74, Cl. 128-578.000.

Bernstein, Bruce S.: *See—*
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Bernstein, Bruce S.; Hyman, Seymour; and Kapoor, Ramesh C., to Herculite Protective Fabrics Corporation. Activated polymer materials and process for making same. 3,857,934, 12-31-74, Cl. 424-30.000.

Bernstein, Frank H., to Singer Company, The. Radar simulator. 3,783,172, 1-1-74, Cl. 35-10.400.

Bernstein, Jack: *See—*
Dolfini, Joseph E.; Bernstein, Jack; and Erickson, Raymond C., 3,833,568.
Hoehn, Hans; and Bernstein, Jack, 3,810,905.
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Vogt, Berthold Richard; Bernstein, Jack; and Weisenborn, Frank Lee, 3,849,490.
Yale, Harry Louis; and Bernstein, Jack, 3,796,725.

Bernstein, Jack, to Squibb, E. R., & Sons, Inc. Carboxamides. 3,789,072, 1-29-74, Cl. 260-557.00b.

Bernstein, Jack; and Sowinski, Francis Alexander, to Squibb, E. R., & Sons, Inc. 3-(4-(3-Hydroxy-2,4,6-triiodophenoxy)-phenyl) alanine. 3,804,894, 4-16-74, Cl. 260-519.000.

Bernstein, Lawrence A., to Dart Industries, Inc. Illuminated modular type sign. 3,829,999, 8-20-74, Cl. 40-125.00h.

Bernstein, Philip; and Varker, Alan E., to ESB Incorporated. One-package moisture activatable polysulfide sealants. 3,849,386, 11-19-74, Cl. 260-79.100.

Bernstein, Seymour: *See—*

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Dusza, John Paul; Lindsay, Harry Lee; and Bernstein, Seymour, 3,855,276.
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Bernt, Erich; Bergmeyer, Hans Ulrich; and Grassl, Mariannc, to Boehringer Mannheim G.m.b.H. Stable NADA Compositions. 3,819,487, 6-25-74, Cl. 195-99.000.
Berntell, John Osvald; and Hellmen, Sven Rolf Bertil, to Kommanditbolaget United Stirling (Sweden) AB & Co. Hot gas Stirling cycle engine with in-line cylinders. 3,845,626, 11-5-74, Cl. 60-525.000.
Berntson, Leslie G.: *See—*
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Berntsson, Peder Bernhard; Gaarder, Jan Ornulf; and Lamm, Bo Robert, to Aktiebolaget Astra. α(N-Acyl)-amino aids and a process for preparing same. 3,838,027, 9-24-74, Cl. 204-74.000.
Bernusset, Philippe. Catalysts for selective hydrogenation of hydrocarbons. 3,787,514, 1-22-74, Cl. 260-677.00h.
Bernusset, Philippe; and Deumas, Jean-Claude, to Produits Chimiques Pechiney-Saint-Gobain. Catalyst and process for steam reforming of hydrocarbons. 3,840,356, 10-8-74, Cl. 48-214.000.
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Beroff, Howard; and Ferguson, Robert G., to Ethicon, Inc. Lateral release suture. 3,799,169, 3-26-74, Cl. 128-339.000.
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Berquist, John E. Method and apparatus for cutting doors. 3,834,034, 9-10-74, Cl. 33-194.000.
Berrange, Aubrey Ralph, to South African Inventions Development Corporation. Impact roller apparatus. 3,788,757, 1-29-74, Cl. 404-124.000.
Berrebi, Claudine: *See—*
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Berreman, Dwight Winton; Meiboom, Saul; White, Donald Lawrence; and Kahn, Frederic Jay, to Bell Telephone Laboratories, Incorporated. Liquid crystal devices. 3,787,110, 1-22-74, Cl. 350-160.01c.
Berrer, Dagmar; Kuhne, Manfred; and Vogel, Christian, to Ciba-Geigy Corporation. S-Triazine derivatives. 3,830,810, 8-20-74, Cl. 260-249.800.
Berretta, Philip L. Lap board for flight personnel. 3,791,314, 2-12-74, Cl. 108-43.000.
Berrie, Alistair Howard; and Hughes, Nigel, to Imperial Chemical Industries Limited. Water-insoluble disazo dyestuff derived from a dihydroxypyridine as coupling. 3,817,975, 6-18-74, Cl. 260-156.000.
Berrie, Robert W., to Omnico Systems International, Inc. Prefabricated building construction. 3,827,203, 8-6-74, Cl. 52-236.000.
Berrill, William H.; Halford, David W.; and Bowler, Arthur A., to USM Corporation. Automatic shoe lasting machine. 3,849,817, 11-26-74, Cl. 12-8.300.
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Berry, Arthur E. Power fishing reel. 3,835,571, 9-17-74, Cl. 43-21.000.
Berry, Brian S.; and Pritchet, Walter C., to International Business Machines Corporation. Use of magnetically variable young's modulus of elasticity and method for control of frequency of electromechanical oscillator. 3,820,040, 6-25-74, Cl. 331-156.000.
Berry, Chapman: *See—*
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Berry, David A.; Bunk, Albert R.; Halbrook, Noah J.; and Lawrence, Ray V., to United States of America, Agriculture. Hot-melt adhesive composition containing glycerol ester of fumaric-modified resin. 3,787,342, 1-22-74, Cl. 260-24.000.
Berry, Fred M.; Shirley, James N.; and Bipsky, Eugene C., to International Medical Electronics Ltd. Short-wave therapy apparatus. 3,800,802, 4-2-74, Cl. 128-422.000.
Berry, George A., III; Guillan, Bruce B.; Lang, Henry A.; and Brieschke, Karl H. Quenching method and apparatus. 3,792,844, 2-19-74, Cl. 266-6.00s.
Berry, George R., to Berry, Inc. Tank for bulk transport and storage of semisolid materials. 3,828,988, 8-13-74, Cl. 222-389.000.
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Berry, Jack, to Burroughs Corporation. Maintaining ribbon tension with tapered-shunt reed switch control apparatus. 3,797,773, 3-19-74, Cl. 242-75.430.
Berry, James M.; and Womack, William C., to Colspan Environmental Systems, Inc. Air/fuel mixing system controlled by temperature activated mechanism for internal combustion engines. 3,789,812, 2-5-74, Cl. 123-117.00a.
Berry, James S. Electrical control system. 3,841,825, 10-15-74, Cl. 431-66.000.
Berry, Jean-Luc: *See—*
Dardaine, Edgar; and Berry, Jean-Luc, 3,814,783.
Berry, Jean-Luc; and Darlaine, Edgar D., to Remyet, E.P., et Cie. Apparatus for aseptic packing or conditioning of products, notably food products. 3,799,220, 3-26-74, Cl. 141-46.000.
Berry, Jean-Luc, to Remy, E. P., et Cie. Method of aseptic packing a food product. 3,809,768, 5-7-74, Cl. 426-309.000.
Berry, Jim S., to Procter & Gamble Company, The. Stabilized aqueous enzyme compositions. 3,819,528, 6-25-74, Cl. 252-153.000.
Berry Metal Company: *See—*
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Berry, Milton E., to Southwire Company. Cast bar draft angle. 3,818,972, 6-25-74, Cl. 164-87.000.
Berry, Milton E., to Southwire Company. Method and apparatus for maintaining a smooth casting wheel using a wheel spreader and crack closer. 3,834,444, 9-10-74, Cl. 164-87.000.
Berry, Norman H. Switch structure. 3,796,888, 3-12-74, Cl. 307-10.00b.
Berry, Ray J.; and Simons, Lonzo L. Mower attachment for grader blade. 3,852,945, 12-10-74, Cl. 56-12.700.
Berry, Robert F.; and Blackwell, Henry W. Well pressure sealing cup reinforcing structure and method of manufacture. 3,819,192, 6-25-74, Cl. 277-212.00c.
Berry, Robert F.; and Blackwell, Henry W., to Dresser Industries, Inc. Well pressure sealing cup reinforcing structure. 3,822,067, 7-2-74, Cl. 277-181.000.
Berry, Robert H.; and Smith, John W. Snow mold. 3,816,048, 6-11-74, Cl. 425-318.000.
Berry, Ronald Frank, to Pilkington Brothers Limited. Separation of glass sheet material. 3,838,803, 10-1-74, Cl. 225-98.000.
Berry, Samuel M., to Commercial Metals Company. Spherical displacement device and seal means therefor. 3,816,038, 6-11-74, Cl. 418-68.000.
Berry, Samuel M., to Commercial Metals Company. Rotary air pump with rotating and oscillating center piston. 3,816,039, 6-11-74, Cl. 418-68.000.
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Berryman, William O., to Baker Oil Tools, Inc. Fluid actuated down-hole drilling apparatus. 3,840,080, 10-8-74, Cl. 175-107.000.
Berryman, William O., to Baker Oil Tools, Inc. Substantially contant time delay fishing jar. 3,851,717, 12-3-74, Cl. 175-297.000.
Bersier, Henri, to Societe anonyme Surtec. Installation for the incineration of household refuse and industrial waste. 3,837,302, 9-24-74, Cl. 110-8.00c.
Berst, Jean-Jacques, 1/2% to Berst, Pierre Andre. Track switch with latch. 3,836,771, 9-17-74, Cl. 246-448.000.
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Berstein, Gregor, to Cabot Corporation. Aqueous emulsion paints and pigment bases therefor. 3,836,495, 9-17-74, Cl. 260-29.4ua.
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Bersworth, Frederick C. Method of synthesizing hydrazine compounds carboxylic acids. 3,787,482, 1-22-74, Cl. 260-482.00p.
Bert, Alain; Enjalbert, Roger; and Kern, Pierre, to Thomson-CSF. Electrostatic focussing devices especially for microwave tubes. 3,790,843, 2-5-74, Cl. 315-5.340.
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Berta, Michael A.; and Jones, Claude R., to United States of America, Air Force. Radioactive preionization method and apparatus for pulsed gas lasers. 3,842,284, 10-15-74, Cl. 250-493.000.
Bertagni, Jose Juan. Voice coil. 3,792,394, 2-12-74, Cl. 335-299.000.
Bertagni, Jose Juan. Electroacoustic transducers and electromagnetic assembly therefor. 3,801,943, 4-2-74, Cl. 335-231.000.
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Bertaud, Francois X., to Borg-Warner Corporation. Lubricating method and apparatus. 3,797,609, 3-19-74, Cl. 184-7.00r.
Bertaux, Andre, to Hydraulique B.G. Electrohydraulic remote-control devices of slide distributors. 3,818,800, 6-25-74, Cl. 91-411.000.
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Bertelsen, William R. Gimbal ground effect vehicles. 3,827,527, 8-6-74, Cl. 180-120.000.
Bertelsen, William R. Surface effect vehicles and guideways therefor. 3,845,716, 11-5-74, Cl. 104-23.0fs.
Bertelson, Peter C. Method of acoustically analyzing particles in a fluid. 3,802,271, 4-9-74, Cl. 73-432.0ps.
Berth, Peter, to Therachemie Chemisch Therapeutische GmbH. Process of dyeing human hair based on pyrazolone compounds. 3,820,948, 6-28-74, Cl. 8-10.200.
Berth, William H.: *See—*
Anbar, Michael; and Berth, William H., 3,786,249.
Bertheas, Jean, to Thomson-CSF. Multibeam steering system for a circular section acoustic transducer array. 3,835,448, 9-10-74, Cl. 340-6.00r.
Berthelot, Guy; and Perez, Jean Jacques, to Commissariat a l'Energie Atomique. Photometric analyzer having two wavelengths for the determination of elements in a solution. 3,819,277, 6-25-74, Cl. 356-204.000.
Berther, Clau: *See—*
El-Ghatta, Hussain; Lussi, Heinz; Berther, Clau; and Hoppe, Manfred, 3,844,971.
Henn, Ruthied; Schultze, Hans-Joachim; and Berther, Clau, 3,794,647.
Schultze, Hans Joachim; Henn, Ruthild; and Berther, Clau, 3,839,324.
Berther, Clau; Wenzler, Manfred; and Schultze, Hans-Joachim, to Inventa A.G. fur Forschung und Patentverwertung. Process for the production of hardenable cycloaliphatic glycidyl ethers. 3,838,175, 9-24-74, Cl. 260-348.00r.
Berthet, Andre, to Cebal GP. Metal container with rolled rim. 3,818,850, 6-25-74, Cl. 113-120.0aa.
Berthet, Aristide; and Blum, Jacques, to Institut de Recherches de la Siderurgie Francaise. Apparatus for regulating molten metal supply. 3,856,182, 12-24-74, Cl. 222-56.000.
Berthet, Michel, to Compagnie Generale d'Electricite. Electrical connection, in particular, for connecting two cooled conductors disposed in a vacuum. 3,828,111, 8-6-74, Cl. 174-15.00e.
Berthier, Georges, 1/2 to Emerjy. Switch for multispeed electric motor. 3,825,703, 7-23-74, Cl. 200-46.000.
Berthiez, Charles William. Production of bodies of revolution. 3,841,200, 10-15-74, Cl. 9-15.00r.
Berthold Fototype G.m.b.H.: *See—*
Wingerter, Franz, 3,841,579.
Berthold, H., A.G.: *See—*
Berger, Klaus; and Scheunemann, Horst, 3,844,521.
Berthold, H., AG, Firma: *See—*
Linde, Hans, 3,856,394.
Berthold, Walter: *See—*
Spiller, Richard; Moser, Gottfried; and Berthold, Walter, 3,810,513.
Berthoud, Francois: *See—*
Dubois, Gerald; and Berthoud, Francois, 3,783,606.
Dubois, Gerald; and Berthoud, Francois, 3,842,591.
Berthoud, Francois, to Ebauches S.A. Device for limiting the axial play of a rotatable element of a movement of timepiece or of a small mechanical apparatus. 3,849,011, 11-19-74, Cl. 403-165.000.
Berthoux, Jean; and Barrillon, Claude Gerbelot, to Progil. Process for producing trimellitic anhydride. 3,829,451, 8-13-74, Cl. 260-346.400.
Berticevich, Edward N.: *See—*
Strasser, Jurgen H.; Wood, Philip; Berticevich, Edward N.; and Buchzik, Charles M., 3,817,259.
Bertilsson, Britt-Marie Elisabeth: *See—*
Mattsson, Ove Henning; and Bertilsson, Britt-Marie Elisabeth, 3,809,718.
Bertin & Cie: *See—*
Bertin, Jean Henri, 3,799,061.
Bertin, Jean Henri, 3,799,095.
Bertin, Jean Henri, 3,854,418.
Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, 3,828,574.
Croix-Marie, Francis Marie; and Dubois, Daniel Jean-Marie, 3,835,952.
Croix-Marie, Francis Marie Jean; Bonnat, Christian Pierre; and Morel, Jean-Pierre Georges Denis, 3,844,218.
Grignon, Robert Georges; and Guienne, Paul Francois, 3,804,197.
Mourlon, Jean-Claude; and Dubois, Ernest Marie Rene, 3,800,951.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre, to Roussel-UCLAF. Substituted pyrimidine. 3,785,800, 1-15-74, Cl. 71-92.000.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre, to Roussel-UCLAF. Alkyl β-(N'-2-tetrahydropyranylureido)acrylates. 3,808,235, 4-30-74, Cl. 260-345.800.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre, to Roussel-UCLAF. Novel tetrahydropyrimidines. 3,811,863, 5-21-74, Cl. 71-92.000.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre, to Roussel-UCLAF. 2-Phenyl-1,1-dihalo-alkane-2-ols. 3,819,722, 6-25-74, Cl. 260-618.00d.
Bertin, Ira L.: *See—*
Bertin, Mannic; and Bertin, Ira L., 3,841,209.
Bertin, Jean Henri; and Croix-Marie, Francis Marie Jean, to Societe de: L'"Aerotrain". Trim-correcting facility for ground effect machines. 3,797,399, 3-19-74, Cl. 104-23.0fs.
Bertin, Jean Henri, to Bertin & Cie. Transport systems comprising a carrying track co-operating with ground-effect machines. 3,799,061, 3-26-74, Cl. 104-23.0fs.
Bertin, Jean Henri, to Bertin & Cie. Surface-effect machine suitable for transoceanic traffic. 3,799,095, 3-26-74, Cl. 114-67.00a.
Bertin, Jean Henri, to Societe De L' "Aerotrain" Puteaux. Tracks along which ground-effect machines in particular travel. 3,841,223, 10-15-74, Cl. 104-23.0fs.
Bertin, Jean Henri, to Bertin & Cie. Improvements in rack and pinion systems. 3,854,418, 12-17-74, Cl. 105-29.00r.
Bertin, Mannie; and Bertin, Ira L. Diffusers for conditioned air. 3,841,209, 10-15-74, Cl. 98-121.00a.
Bertinetti, Emilio Alberto: *See—*
Cigala, Vincenzo; and Bertinetti, Emilio Alberto, 3,788,155.
Bertini, Franco: *See—*
Minisci, Francesco; Bertini, Franco; Galli, Remo; and Quilico, Adolfo, 3,801,580.

Bertini, Thomas D., to Tober, Inc. Process for producing an image bearing screen transparency. 3,794,492, 2-26-74, Cl. 96-41.000.

Bertioli, Michael Murray: *See—*
Ironside, John Michael; Hodgson,. Duncan Barry; Bertioli, Michael Murray; and Williams, Malcolm, 3,814,913.

Bertling, Rudolph B.; and Kerr, Edward R., to Pillsbury Company, The. Apparatus for stacking and packaging food products. 3,812,647, 5-28-74, Cl. 53-62.000.

Bertner, Clau: *See—*
Henn, Ruthild; Deiters, Dink; Schultze, Hans-Joachim; and Bertner, Clau, 3,792,045.

Bertness, Theodore A.: *See—*
Snavely, Earl S., Jr.; and Bertness, Theodore A., 3,844,349.

Bertolacini, Ralph J.; and Brennan, Harry M., to Standard Oil Company. Reforming with a non-noble-metal-mordenite catalyst. 3,798,154, 3-19-74, Cl. 208-65.000.

Bertolacini, Ralph J.; Lehmann, Gerald M.; and Wollaston, Eugene G., to Standard Oil Company. Catalytic cracking with reduced emission of sulfur oxides. 3,835,031, 9-10-74, Cl. 208-120.000.

Bertolacini, Ralph J.; Hopkins, Paul Donald; and Menzl, Roland L., to Standard Oil Company. Two-zone hydrogenation process for the production of colorless mineral oil. 3,841,995, 10-15-74, Cl. 208-89.000.

Bertolazzi, Ugo, to Honeywell Information Systems Italia. Device for the automatic reversal of the lenghtwise motion of the ink-ribbon in typewriters and printers. 3,854,670, 12-17-74, Cl. 242-67.400.

Bertoline, Natale; Calcagno, Benedetto; and Ghirga, Marcello, to Societa Italiana Resine S.I.R., S.p.A. Manufacture of unbranched alkyl benzenes. 3,801,665, 4-2-74, Cl. 260-671.00b.

Bertolini, Natale: *See—*
Messina, Giuseppe; Lorenzoni, Loreno; and Bertolini, Natale, 3,856,878.

Bertolino, August U.; Penkova, Joseph A.; and Carrell, William G., to Westinghouse Electric Corporation. Non-restricting conductor filtering system for a high-voltage circuit-breaker. 3,852,550, 12-3-74, Cl. 200-148.00b.

Bertolotti, Nino; Sabatini, Bruno; and Mocci, Giuseppe, to Centro Sperimentale Metallurgico S.p.A. Device for cooling hot rolled metallic strips. 3,856,281, 12-24-74, Cl. 266-3.00r.

Berton, Georges Albert: *See—*
Delgendre, Jacques Claude; Kerrenneur, Alain Rogar; and Berton, Georges Albert, 3,847,547.

Berton, Yves; Chauvet, Pierre; Clapit, Stephane; and Fernandez, Nicolas, to Commissariat a l'Energie Atomique. Ruthenium decontamination of solutions derived from the processing of irradiated fuels. 3,853,980, 12-10-74, Cl. 423-12.000.

Bertoni, Henry L.; and Tamir, Theodor, to United States of America, Army, mesne. Acoustic surface wave device. 3,840,824, 10-8-74, Cl. 333-30.00r.

Bertorelli, Orlando L.: *See—*
Almagro, Guillermo; Bertorelli, Orlando L.; Mays, Robert K.; Williams, Lloyd E.; and Zimmerman, Howard F., Jr., 3,835,216.

Bertorelli, Orlando L.; Mays, Robert K.; Williams, Lloyd E.; and Zimmerman, Howard F., Jr., to Huber, J. M., Corporation. Production alkali metal polysilicates. 3,838,192, 9-24-74, Cl. 423-334.000.

Bertorelli, Orlando Leonard, to Huber, J. M., Corporation. Production of finely divided amorphous alumino-silicate pigments from kaolin. 3,784,392, 1-8-74, Cl. 106-288.00b.

Bertorelli, Orlando Leonard, to Huber, J. M., Corporation. Production of rod-shaped micro-crystallites from clay. 3,837,877, 9-24-74, Cl. 106-288.00b.

Bertorello, Mario, to Rotomors S.r.L. Self-centering chuck. 3,814,450, 6-4-74, Cl. 279-4.000.

Bertozzi, Eugene R., to Thiokol Chemical Corporation. Polysulfide polymers with increased resistance to solvents. 3,817,947, 6-18-74, Cl. 260-79.100.

Bertozzi, Marcello; and Chioffi, Mario. Control devices for slow and fast advancements for electromechanical timers. 3,853,015, 12-10-74, Cl. 74-112.000.

Bertozzi, Marcello; and Chioffi, Mario. Peripheral cam actuating a plurality of contact blades. 3,858,017, 12-31-74, Cl. 200-153.01b.

Bertram, August H.; and Miller, Calvin L., to Caterpillar Tractor Company. Quick disconnect device for power trains. 3,835,722, 9-17-74, Cl. 74-405.000.

Bertram, August H.; and Gorski, Andrew J., to Caterpillar Tractor Company. Compactor wheel configuration. 3,853,419, 12-10-74, Cl. 404-121.000.

Bertram, James L.; Whiteside, Ross C., Jr.; and Franke, Preston H., Jr., to Dow Chemical Company, The. Hydrogen sulfide-modified epoxy resins and flexible laminates therefrom. 3,819,747, 6-25-74, Cl. 260-830.0tw.

Bertram, James L.; Whiteside, Ross C., Jr.; and Franke, Preston H., Jr., to Dow Chemical Company, The. Hydrogen sulfide-modified epoxy resins and flexible laminates therefrom. 3,829,354, 8-13-74, Cl. 161-88.000.

Bertram, Leroy W.; Loomis, Russell M.; and Gaikowski, Michael D., to Unarco Industries, Inc. Carriage assembly for bulkheads. 3,808,982, 5-7-74, Cl. 105-376.000.

Bertram, Sidney, to Bunker Ramo Corporation. Scanning means having dead-time compensation for interrupted scanning periods. 3,792,927, 2-19-74, Cl. 356-2.000.

Bertrams, Johannes Kurt. Connector. 3,794,955, 2-26-74, Cl. 339-211.00r.

Bertrams, Johannes Kurt; deceased (by Mulkens, Casper Antonius Henricus, administrator), to U.S. Philips Corporation. Current adaptor. 3,824,522, 7-16-74, Cl. 339-21.00r.

Bertrand, Arthus, S.A.: *See—*
Tcherdakoff, Pierre, 3,823,587.

Bertrand, Charles. Process for purifying fumes. 3,849,541, 11-19-74, Cl. 423-242.000.

Bertrand, Francois Robert, to Medial de Toledo & Cie. Method of treating diseases of the mucous membrane using compounds of a thiazolidine carboxylic acid and pharmaceutical preperations thereof. 3,809,754, 5-7-74, Cl. 424-270.000.

Bertrand, Gerard; Perroud, Paul; and Sylvestre-Baron, Martial, to Commissariat a l'Energie Atomique. Pressurized electrolyzer including gas product-electrolyte separating means. 3,812,026, 5-21-74, Cl. 204-270.000.

Bertrand, Hans: *See—*
Limque, Ferdinand; Bertrand, Hans; and Bielefeldt, Irvin P., 3,820,766.

Bertrand, Jean-Noel Marie; and Vaerman, Joseph Marie, to Labofina S.A. Process for the selective oxidation of ketones. 3,833,625, 9-3-74, Cl. 260-408.000.

Bertrand, John: *See—*
Jackson, Leland B.; and Bertrand, John, 3,808,370.

Bertrand, Marcel J., to Uniroyal A.G. Radial ply tire with reinforcing belt. 3,842,884, 10-22-74, Cl. 152-361.00r.

Bertrand, Pierre; and Nony, Maurice, to Compteurs Schlumberger. Pneumatic controllers. 3,814,119, 6-4-74, Cl. 137-86.000.

Bertrand, Robert G., to Dow Corning Corporation. Metal working lubricant compositions. 3,843,529, 10-22-74, Cl. 252-30.000.

Bertrand, Yves; and Grebert, Robert, to Eta Francais represente par le Ministre d'Etat Charge de la Defense Nationale, Delegation Ministerielle pour l'Armement Quai Henri. Fuse powder composition. 3,811,969, 5-21-74, Cl. 149-20.000.

Bertrand, Yves H.; Grebert, Robert E.; and Paquet, Jean P., to Societe Nationale des Poudres et Explosifs, mesne. Pyrotechnic lacquer. 3,794,535, 2-26-74, Cl. 149-3.000.

Bertsch, Dieter: *See—*
Zellbeck, Gustav; Bertsch, Dieter; and Hofsass, Dieter, 3,851,669.

Bertsch, Hermann. Method of making stone reliefs. 3,811,909, 5-21-74, Cl. 117-8.500.

Bertus, Brent J.: *See—*
Walker, Darrell W.; Bertus, Brent J.; and Farha, Floyd, Jr., 3,852,369.

Bertus, Brent J., to Phillips Petroleum Company. Catalysts and process for dehydrogenation. 3,784,627, 1-8-74, Cl. 260-683.300.

Bertus, Brent J.; and Walker, Darrell W., to Phillips Petroleum Company. Oxidative dehydrogenation catalyst. 3,793,225, 2-19-74, Cl. 252-437.000.

Bertus, Brent J., to Phillips Petroleum Company. Catalysts and process for oxidative dehydrogenation. 3,793,391, 2-19-74, Cl. 260-683.300.

Bertus, Brent J., to Phillips Petroleum Company. Oxidative dehydrogenation processes. 3,810,954, 5-14-74, Cl. 260-680.00e.

Bertus, Brent J., to Phillips Petroleum Company. Oxidative dehydrogenation processes. 3,821,324, 6-28-74, Cl. 260-680.00e.

Bertus, Brent J.; and Walker, Darrell W., to Phillips Petroleum Company. Oxidative dehydrogenation. 3,856,879, 12-24-74, Cl. 260-680.00e.

Berzins, Leonids: *See—*
Supran, Michael K.; Parekh, Kantilal G.; and Berzins, Leonids, 3,834,849.

B.E.S. Brevetti Elettrogalvanici Superfiniture S.A.: *See—*
Angelini, Sergio, 3,852,170.

Besancenot, Serge. Projector. 3,809,470, 5-7-74, Cl. 353-113.000.

Besant, Colin Bowden, to United Kingdom Atomic Energy Authority. Neutron spectrum standard. 3,816,742, 6-11-74, Cl. 250-499.000.

Beschke, Helmut, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of copper silicates. 3,836,633, 9-17-74, Cl. 423-326.000.

Besenfelder, Edward R., to Honeywell Information Systems Inc. Apparatus to detect phase encoded data being read from a data storage subsystem. 3,810,233, 5-7-74, Cl. 360-42.000.

Besenfelder, Edward R., to Honeywell Information Systems, Inc. Apparatus for detecting data bits and error bits in phase encoded data. 3,832,684, 8-27-74, Cl. 340-146.1ab.

Besenmatter, Walter: *See—*
Gela, Helmut; Besenmatter, Walter; Scheiber, Robert; Schneider, Fritz; and Rothy, Gerhard, 3,844,658.

Beser, Ali Ekber; Scholz, Wolfgang; Kaiser, Rudolf; and Pohlig, Norbert, to Krupp, Fried., Gesellschaft mit beschrankter Haftung. Gate for circulation control in nuclear reactor using circulating fuel-element balls. 3,830,693, 8-20-74, Cl. 176-18.000.

Beshara, Wadea G. Hamper for garment hangers. 3,814,008, 6-4-74, Cl. 100-1.000.

Beskrone, Israel. Word game. 3,840,236, 10-8-74, Cl. 273-130.00e.

Besnyo, George Frank: *See—*
Brown, William B.; Besnyo, George Frank; and Hornor, Eugene Marshall, 3,788,213.

Besozzi, Alfio J.; Cooley, Stone D.; and Potts, Fred E., III, to Petro-Tex Chemical Corporation. Preparation of dihydrofuran from 3,4-epoxy-1-butene, 3,4-dihydroxy-1-butene, or 1,3-dihydroxy-2-butene. 3,812,158, 5-21-74, Cl. 260-346.10r.

Bespak Industries Limited: *See—*
Warren, William Edward, 3,814,297.
Warren, William Edward, 3,826,413.

Bespalov, Evgeny Ivanovich: *See—*
Samoilov, Sergei Mikhailovich; Ivanov, Vladimir Ivanovich; Zambrovskaya, Galina Vladimirovna; Tsvetkov, Oleg Nikolaevich; Monastyrsky, Viktor Nikolaevich; Bespalov, Evgeny Ivanovich; Gryaznov, Boris Vasilievich; and Molchanov, Boris Vladimirovich, 3,828,01.

Bessam Manufacturing, Inc.: *See—*
Schwarz, Gerald L.; and Schlachet, Hugo, 3,798,881.

Bessarab, Anatoly Antonovich: *See—*
Bazhal, Anatoly Ignatievich; Mishkin, Alexandr Ilich; and Bessarab, Anatoly Antonovich, 3,811,515.

Besseau, Daniel: *See—*
Dera, Alain; and Besseau, Daniel, 3,843,181.

Besser Company: *See—*
Springs, Thomas W., 3,833,331.
Woelk, Robert J., 3,832,119.

Besser, John E.: *See—*
Huffaker, James E.; Clonce, Ambrose J.; and Besser, John E., 3,846,351.

Besser, Paul J.: *See—*
Mee, Jack E.; and Besser, Paul J., 3,788,896.

Besserdich, Orrin H.: *See—*
Crawford, Donald C.; and Besserdich, Orrin H., 3,790,157.

Bessett, Clifford H.; and Boyd, James W., to Packaging Corporation of America. Pouring sprue. 3,844,337, 10-29-74, Cl. 164-412.000.

Bessette, Georges Henri. Variable diameter V-belt pulley assembly. 3,800,608, 4-2-74, Cl. 74-230.17e.

Bessette, Oliver Edward, to RCA Corporation. High density isolated multi-channel magnetic circuit transducer. 3,789,156, 1-29-74, Cl. 179-100.20c.

Bessette, Robert C. Apparatus for evaluating athletic performance. 3,846,704, 11-5-74, Cl. 325-66.000.

Besseyre, Jacques A., to International Business Machines Corporation. Digital echo suppressor with direct table look-up control by delta coded signals. 3,821,494, 6-28-74, Cl. 179-170.600.

Bessho, Motoaki: *See—*
Inai, Yuichi; Okazaki, Kanzo; Uchiyama, Mikio; Shimada, Katsutoshi; Kagei, Kengo; and Bessho, Motoaki, 3,819,705.
Inai, Yuichi; Okazaki, Kanzo; Shimada, Katsutoshi; Kagei, Kengo; and Bessho, Motoaki, 3,846,480.

Bessiere, Pierre Etienne, to Precision Mecanique Labinal. Machine for fashioning the structures of flexible products, and products fashioned thereby. 3,809,199, 5-7-74, Cl. 93-84.000.

Bessiere, Pierre Etienne, to Societe Labavia-S.G.E. Eddy current brakes. 3,821,572, 6-28-74, Cl. 310-93.000.

Bessire, H. et J. J., S.A.: *See—*
Bessire, Jean-Jacques, 3,809,976.

Bessire, Jean-Jacques, to Bessire, H. et J. J., S.A. Method and apparatus for synchronizing a three phase motor. 3,809,976, 5-7-74, Cl. 318-78.000.

Besson, Jean; Bonnat, Michel; Deportes, Grenoble Charles; and Kleitz, Michel, to Agence Nationale de Valorisation de la Recherche (ANVAR) Recherche (ANVAR). Method and device for regulating the content in a gascous mixture of a given pure gas, especially oygen. 3,791,937, 2-12-74, Cl. 204-1.00r.

Besson, Marcel: *See—*
Dayet, Jacques; Bastide, Pierre; and Besson, Marcel, 3,842,221.

Bessot, Jean-Jacques: *See—*
Long, Jacques; and Bessot, Jean-Jacques, 3,785,162.

Bessot, Michel; Delacote, Claude; Lion, Jean-Jacques; and Valentin, Francois, to Etablissement Public: Agence Nationale de Valorisation de la Recherche Anvar. Apparatus for injection of liquid. 3,850,348, 11-26-74, Cl. 222-386.500.

Best & Donovan: *See—*
Peter, Joseph E., 3,805,639.

Best & Donovan, mesne: *See—*
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Best, Albert M.; and Alverson, Robert M., to Sperry Rand Corporation. Hay rolling machine with pickup means. 3,789,593, 2-5-74, Cl. 56-341.000.

Best, Albert M., to Sperry Rand Corporation. Hay rolling machine with compressing means. 3,792,574, 2-19-74, Cl. 56-341.000.

Best, Anthony: *See—*
Moulton, Alexander Eric; and Best, Anthony, 3,820,813.

Best, Clarence A. Rural delivery mailbox. 3,801,002, 4-2-74, Cl. 232-17.000.

Best, Freddie W.: *See—*
Neumann, Calvin L.; and Best, Freddie W., 3,828,797.

Best, Fulton J. Vibrator roller. 3,791,629, 2-12-74, Cl. 259-1.00r.

Best, John S.; and Smith, Hubert Stacy. Artificial islands and method of controlling ice movement in natural or man-made bodies of water. 3,798,912, 3-26-74, Cl. 61-1.00r.

Best, John S., to Dow Chemical Company, The. Trafficked surfaces. 3,804,543, 4-16-74, Cl. 404-28.000.

Best, John S.; and Duda, John Larry. Well structure and method for protecting permafrost. 3,815,674, 6-11-74, Cl. 166-57.000.

Best Lock Corporation: *See—*
Blekking, C. Paul; and Flack, Max L., 3,798,935.
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McCullum, R. Gene, 3,798,938.

Best, Maurice Philip: *See—*
Chessin, Hyman; and Best, Maurice Philip, 3,804,728.

Best, Robert G.: *See—*
Cummins, Millard M.; Keates, Richard H.; Best, Robert G.; and Barr, Donald L., 3,831,442.
Cummins, Millard M.; Best, Robert G.; and Hankins, Thomas, 3,851,861.

Best, Walter E. High-security hasp lock. 3,820,360, 6-28-74, Cl. 70-6.000.

Bestehorn, Ute W. Mobile packaging and stacking devices. 3,856,322, 12-24-74, Cl. 280-79.100.

Bestenreiner, Friedrich: *See—*
Meeussen, Louis Achilles; Bestenreiner, Friedrich; and Huber, Hans-Peter, 3,829,610.

Bestenreiner, Friedrich; Helmberger, Josef; Meyer, Rudolf; and Meeussen, Louis Achilles, to Agfa-Gevaert Aktiengesellschaft. Method and apparatus for recording color picture information on photographic material. 3,820,992, 6-28-74, Cl. 96-27.00e.

Bestland, Roy J., to Honeywell Inc. Semiconductors. 3,850,707, 11-26-74, Cl. 148-175.000.

Besuden, David W., to Magnum Automotive Equipment, Inc. Power column latch. 3,827,474, 8-6-74, Cl. 157-1.280.

Beswick, Geoffrey Ernest; and Lindsay, Robert Joseph, to Imperial Chemical Industries Limited. Manufacture of isocyanates. 3,816,499, 6-11-74, Cl. 260-453.00p.

Beta Aluminium Products Limited: *See—*
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Beta Crafts, Incorporated: *See—*
Hasselbach, Arthur, 3,788,590.

Beta Industries, Inc.: *See—*
Mize, John L., 3,821,773.

Betancourt L., Victor Manuel. Dual pneumatic tire casings. 3,844,325, 10-29-74, Cl. 152-158.000.

Betensky, Ellis I.: *See—*
Watanabe, Rinzo; and Betensky, Ellis I., 3,817,600.

Betensky, Ellis I.; and Schwarz, Alfred, to United States of America, Navy. Zoom lens system having four movable members. 3,840,290, 10-8-74, Cl. 350-184.000.

Betere, Antonio, to Fabricas Lucia Antonio Betere, S.A. Method for the continuous production of needled multi-ply materials. 3,827,112, 8-6-74, Cl. 28-72.20r.

Beth, Ronald Valentine; and Catterall, John Mason, to Bell Telephone Laboratories, Incorporated. Switching systems with special customer service. 3,811,015, 5-14-74, Cl. 179-18.0bg.

Beth-Con Realty, Inc.: *See—*
De Barbieri, Joseph L., 3,848,854.

Bethea, Thomas J.; and Ritchie, Joe L., to Celanese Corporation. Mechanized bobbin handler. 3,854,275, 12-17-74, Cl. 57-34.00r.

Bethea, Tristram Walker; and Halasa, Adel Farhan. Method of increasing molecular weight of polymer. 3,845,028, 10-29-74, Cl. 260-85.100.

Bethel, George Frazier. Combustion apparatus and process. 3,841,824, 10-15-74, Cl. 431-8.000.

Bethke, Erwin, to Smithe, F. L., Machine Company, Inc. Apparatus for controlling the tension on web material. 3,826,442, 7-30-74, Cl. 242-75.500.

Bethke, Erwin, to Smithe, F. L., Machine Company, Inc. Apparatus for collating sheet like elements. 3,847,384, 11-12-74, Cl. 271-80.000.

Bethlehem Fabrications, Incorporated: *See—*
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Bethlehem Steel Corporation: *See—*
Aubrey, William M., Jr., 3,791,595.
Bare, Conrad B.; and Pasquali, Joseph W., 3,853,982.
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Betke, Adolf C., to Litton Industrial Products, Inc. Circuit for shifting the phase of a sine wave by differential means. 3,821,631, 6-28-74, Cl. 321-40.000.

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Bettcher, Louis A., to Bettcher Industries, Inc. Comestible slicing apparatus. 3,831,475, 8-27-74, Cl. 83-161.000.

Bettcher, Louis A., to Bettcher Industries, Inc. Air driven boning and trimming knives. 3,852,882, 12-10-74, Cl. 30-276.000.

Betten, John R. Baseball projecting machine. 3,811,421, 5-21-74, Cl. 124-1.000.

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Betteridge, John Francis, to C.A.V. Limited. Turbo superchargers for internal combustion engines. 3,844,676, 10-29-74, Cl. 415-156.000.

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Betters, Dominick J. Demolition machine. 3,807,802, 4-30-74, Cl. 299-37.000.

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Bettinger, Eugen Julius; Bohret, Harmut Heiner; and Schanzer, Gunther, to Bodenseewerk Geratetechnik GmbH. Device for the flight guidance from a wireless guide beam. 3,819,914, 6-25-74, Cl. 235-150.220.

Bettinger, James H., to United Fabricating Company, Inc., mesne. Raised floor panel and assembly. 3,811,237, 5-21-74, Cl. 52-126.000.

Bettini, Giuseppe; and Romano, Carlo, to Olivetti, Ing., C., & C., S.p.A. Apparatus for recording and/or playing back a magnetic tape contained in a cassette. 3,838,459, 9-24-74, Cl. 360-96.000.

Bettoli, Phillip Stephen, to GAF Corporation. Siding assembly structure. 3,828,510, 8-13-74, Cl. 52-548.000.

Bettoli, Phillips S.; and Erb, Edward R., to General Aniline & Film Corporation. Foamed decorative covering material and method of manufacture. 3,844,814, 10-29-74, Cl. 117-11.000.

Bettor Packages (V.K.) Limited: *See—*
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Betts, Howard B., to Vanguard Instrument Corporation. Analysis projector. 3,802,770, 4-9-74, Cl. 352-169.000.

Betts, James F.; Fotland, Richard A.; and Petro, Victor P., to Horizons Incorporated. Inks with fluoresce when exposed to near or middle ultra violet radiation. 3,804,774, 4-16-74, Cl. 252-301.20r.

Betts, Joseph Ellwood; and Martens, Stanton Curry, to General Electric Company. Curable composition comprising polyvinyl chloride, a chlorinated polyolefin and an ethylene polymer, and the cured product thereof. 3,845,166, 10-29-74, Cl. 260-897.00c.

Betts, Kenneth H., to Construction Specialties, Inc. Floor mat. 3,808,628, 5-7-74, Cl. 15-215.000.

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Betts, Max William: *See—*
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Betts, Max William; and Robinson, Frank, to Courtaulds Limited. Knitting method. 3,796,068, 3-12-74, Cl. 66-176.000.

Betts, Max William; and Robinson, Fran, to Courtaulds Limited. Knitting method. 3,808,841, 5-7-74, Cl. 66-172.00r.

Betts, Max William; and Robinson, Frank, to Courtaulds Limited. Knitting of sleeved garments. 3,813,901, 6-4-74, Cl. 66-189.000.

Betts, Max William; and Robinson, Frank, to Courtaulds Limited. Knitting method. 3,824,810, 7-23-74, Cl. 66-76.000.

Betts, Paul J., to Browne-Morse Company. Paper tray. 3,827,570, 8-6-74, Cl. 211-10.000.

Betts, Paul J., to Inter Dyne. Cup sink for laboratory counter tops. 3,855,647, 12-24-74, Cl. 4-187.00a.

Betts, Robert E.: *See—*
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Betts, Robert E., to United States of America, Army. Miniature missile system. 3,807,275, 4-30-74, Cl. 89-1.813.

Betts, Robert Keith, to General Electric Company. Coated bearing surfaces. 3,793,195, 2-19-74, Cl. 252-12.000.

Betz, Erwin C. Catalytic incineration apparatus. 3,817,716, 6-18-74, Cl. 23-288.00f.

Betz Laboratories, Inc.: *See—*
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Betzoldt, Louis F., to Neibauer, Lance A. Puzzle assembly with intersecting peices. 3,829,101, 8-13-74, Cl. 273-160.000.

Beuch, Wallace Eric: *See—*
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Beug, Hartmut; and Gerisch, Gunther, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Method and apparatus for measuring agglutination of cells in a carrier liquid. 3,819,271, 6-25-74, Cl. 356-39.000.

Beukering, Henricus Cornelis Johannes: *See—*
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Beulker, Franz; Becker, Kunibert; Rosenberg, Harry; Wieblitz, Hans-Dieter; and Kuti, Joseph, to Gewerkschaft Eisenhutte Westfalia. Mine roof support assemblies. 3,851,480, 12-3-74, Cl. 61-45.00d.

Beumer, Joseph A.; Jansen, Carl E.; and Radstake, Herman, to Koninklijke Nederlandsche Hoogovens en Staalfabrieken N.V. Method and a device for measuring a moisture content of granular inorganic material. 3,800,141, 3-26-74, Cl. 250-391.000.

Beumer, Peter: *See—*
Zirngibl, Hans; Fuhr, Werner; Jaschinski, Klemens; Beumer, Peter; and Weidmann, Walter, 3,849,543.

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Beurrier, Henry Richard, to Bell Telephone Laboratories, Incorporated. Broadband amplifier. 3,786,361, 1-15-74, Cl. 330-20.000.

Beurrier, Henry Richard, to Bell Telephone Laboratories, Incorporated. Amplifier utilizing input signal power. 3,789,314, 1-29-74, Cl. 330-185.000.

Beurrier, Henry Richard, to Bell Telephone Laboratories, Incorporated. Hybrid couplers. 3,789,315, 1-29-74, Cl. 330-185.000.

Beurrier, Henry Richard, to Bell Telephone Laboratories, Incorporated. Negative resistance oscillator with active bias resistor for preventing spurious oscillations. 3,815,049, 6-4-74, Cl. 331-107.00r.

Beurrier, Henry Richard, to Bell Telephone Laboratories, Incorporated. Signal distribution network. 3,832,647, 8-27-74, Cl. 330-30.00r.

Beuschel, Werner: *See—*
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Beusink, Bernard Joseph: *See—*
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Beusink, Bernard Joseph, to U.S. Philips Corporation. Apparatus equipped with a single-phase synchronous motor and a starting coupling. 3,824,415, 7-16-74, Cl. 310-41.000.

Beusink, Johannes Thedorus Antonius; and Beusink, Bernard Joseph, to Integra Lichtenvoorde N.V. Method and device for ventilating a space. 3,815,485, 6-11-74, Cl. 98-39.000.

Beutel, Jacob: *See—*
Chang, Catherine Teh-Lin; Sheeto, Joseph John, Jr.; and Beutel, Jacob, 3,844,790.

Beutel, Peter: *See—*
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Beutel, Peter; Koenig, Karl-Heinz; Dietsche, Wolfram; and Adolphi, Heinrich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 0,0-Dialkyl-0-[-oxa-2,4-diazolidinon-5-yl-3]-thionophosphates. 3,798,230, 3-19-74, Cl. 260-307.00a.

Beutel, Peter; Koenig, Karl-Heinz; Adolphi, Heinrich; Rittig, Falk; and Urbach, Hans, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dithiophosphoric esters. 3,819,756, 6-25-74, Cl. 260-956.000.

Beuter, Hermann: *See—*
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Beuter, Hermann; and Planck, Alfred, Jr., to Fouquet-Werk Frauz & Planck. Cam race construction for knitting machines, particularly circular knitting machines. 3,800,561, 4-2-74, Cl. 66-57.000.

Beuther, Harold; and Henke, Alfred M., to Gulf Research & Development Company. Asphalt compositions. 3,810,771, 5-14-74, Cl. 106-278.000.

Beuther, Harold; Chun, Sun W.; and Montagna, Angelo A., to Gulf Research & Development Company. Demetallization process using iron-containing catalysts. 3,838,042, 9-24-74, Cl. 208-251.00h.

Beuther, Harold; Chun, Sun W.; and Montagna, Angelo A., to Gulf Research & Development Company. Hydrodesulfurization catalyst promoted with a group IV-B metal. 3,840,473, 10-8-74, Cl. 252-439.000.

Beuther, Harold; Chun, Sun W.; and Montagna, Angelo A., to Gulf Research & Development Company. Regenerative process for the selective hydrodesulfurization of petroleum residuals under mild conditions. 3,846,285, 11-5-74, Cl. 208-216.000.

Beutler, Gerhard: *See—*
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Beutler, Hans, to Friedrich Maurer Soehne, Firma. Expansion gap sealing device. 3,824,025, 7-16-74, Cl. 404-48.000.

Beutler, Hervey F., to Dow Corning Corporation. Shipping and display carton. 3,786,914, 1-22-74, Cl. 206-44.00r.

Beutler, Wolfgang. Container for transport of mastic asphalt and like bulk material required for laying streets. 3,804,380, 4-16-74, Cl. 259-157.000.

Beutner, Heinz Paul; and O'Neill, Charles Edward, to International Nickel Company, Inc., The, mesne. Production of nickel sulfate. 3,857,926, 12-31-74, Cl. 423-544.000.

Bevacqua, Louis Albert, to Motorola, Inc. Cable strain relief assembly. 3,808,586, 4-30-74, Cl. 339-103.00r.

Bevaknings AB Securitas: *See—*
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Bevan, Brian. Display device. 3,826,026, 7-30-74, Cl. 40-10.00b.

Bevan, Christopher Graham: *See—*
O'Sullivan, Eugene Francis; Seymour-Walker, Kay John; Webb, David John Tudor; Bevan, Christopher Graham; Ross, Keith; and Works, Darnall, 3,822,979.

Bevan, Richard John Armstrong: *See—*
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Bevan, Robert H.; and Buffone, Vincent D., to Goulds Pumps, Incorporated. Pump inpeller. 3,801,226, 4-2-74, Cl. 416-241.000

Beverage-Air Sales Company: *See—*
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Whorton, Robert B., III, 3,790,243.

Beveridge, Archibald D.: *See—*
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Beverly Enterprises: *See—*
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Beverly, Gordon Maxwell, to Imperial Chemical Industries Limited. Melt stabilized aromatic polysuiphones with phosphorus compounds. 3,794,615, 2-26-74, Cl. 260-45.70p.

Beverly, William C., Jr.: *See—*
Emmons, Donald R.; and Beverly, William C., Jr., 3,809,922.

Beversdorf, Samuel Thomas. Mute having means for eliminating unresponsive notes in brass instruments. 3,842,706, 10-22-74, Cl. 84-400.000.

Bevilacqua, Frank: *See—*
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Krawiec, Donald Michael; and Bevilacqua, Frank, 3,809,609.

Bevilacqua, Frank, to Combustion Engineering, Inc. Emergency core coolant system utilizing an inactive plenum. 3,816,245, 6-11-74, Cl. 176-61.000.

Bevilacqua, Frank; Dietrich, Joseph R., Groves, Malcolm D., and Flinn, William S., to Combustion Engineering, Inc. Top actuated reactor control system. 3,843,471, 10-22-74, Cl. 176-36.00r.

Bevilacqua, Frank; and Groves, Malcolm D., to Combustion Engineering, Inc. Lift piston assembly. 3,844,882, 10-29-74, Cl. 176-36.00r.

Bevilacqua, Frank; Groves, Malcolm D.; and Notari, Gennaro V., to Combustion Engineering, Inc. Pressure vessel penetration techniques. 3,844,883, 10-29-74, Cl. 176-36.00r.

Bevilacqua, Frank, Flinn, William S.; and Groves, Malcolm D., to Combustion Engineering, Inc. Isolation valve and control system employing the same. 3,844,884, 10-29-74, Cl. 176-36.00r.

Bevilacqua, Frank, to Combustion Engineering, Inc. Flow twister for a nuclear reactor. 3,847,736, 11-12-74, Cl. 176-78.000.

Bevilacqua, Frank, to Combustion Engineering Inc. Guide structure for control elements. 3,849,257, 11-19-74, Cl. 176-36.00r.

Bevilacqua, Frank; and Groves, Malcoln D., to Combustion Engineering, Inc. Pressure vessel penetration technique. 3,853,702, 12-10-74, Cl. 176-87.000.

Beville, Robert Earl; Hofer, Bruce Edward; and Peek, William H., to Tektronix, Inc. Counter having selective direction and variable rate control. 3,843,873, 10-22-74, Cl. 235-92.00v.

Bevington, Richard E., Jr., to Eastman Kodak Company. Sheet plicating device. 3,831,501, 8-27-74, Cl. 93-1.00c.

Bevis, Michael: *See—*
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Bevis, Paul A.; Hoyt, Hazen L., III; Miner, Thomas E.; and Kuypers, Norbert T., to Xerox Corporation. Cassette. 3,827,072, 7-30-74, Cl. 354-278.000.

Bevlaqua, Peter J.: *See—*
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Bew, Rudolph V.; Walters, Anderson J.; Funk, Donald J.; and Frazier, Joseph R., Jr., to Reynolds Metals Company. Method of making a slug having controlled grain direction. 3,844,155, 10-29-74, Cl. 72-356.000.

Bewell, Robert G. S.; Austin, Carl C.; Halsey, Carl C.; and Smith, Myron R., to United States of America, Navy. Arming and fusing adapter. 3,800,704, 4-2-74, Cl. 102-6.000.

Bex, Hans, to U.S. Philips Corporation. Microstrip filter comprising a ferromagnetic resonant body. 3,838,367, 9-24-74, Cl. 333-73.00s.

Bey, Alvin E., to Dow Corning Corporation. Textile finishing composition and process. 3,812,201, 5-21-74, Cl. 260-824.00r.

Bey, Michael P.: *See—*
Bey, Paul P.; and Bey, Michael P., 3,856,413.
Bey, Paul P.; and Bey, Michael P., 3,856,417.

Bey, Paul P.: *See—*
Patten, Raymond A.; and Bey, Paul P., 3,804,532.

Bey, Paul P.; and Bey, Michael P. Photographic color densitometer. 3,856,413, 12-24-74, Cl. 356-175.000.

Bey, Paul P.; and Bey, Michael P. Photographic color densitometer. 3,856,417, 12-24-74, Cl. 356-229.000.

Beyer, Gerald E., to Ford Motor Company. Lumbar support mechanism. 3,807,794, 4-30-74, Cl. 297-284.000.

Beyer, Gundrun Anneliese nee Alt: *See—*
Alt, Hartmuth; Clasen, Hermann; and Cramer, Jurgen, 3,836,440.

Beyer, Harry A.: *See—*
Gangelhoff, Fred R.; and Beyer, Harry A., 3,811,226.

Beyer, Hermann: *See—*
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Beyer, Horst: *See—*
Sedlatschek, Karl; Heitzinger, Friedrich; Beyer, Horst; and Buran, Ulrich, 3,844,729.

Beyer, Jeno; and Govaert, Leonardus Eduard, to U.S. Philips Corporation. Method of and device for the manufacturing of electrical conductors. 3,851,454, 12-3-74, Cl. 57-34.0cp.

Beyer, Karl-Heinz; Wulz, klaus; Bille, Heinz; Krueger, Rudolf; and Barts, Guenter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Preventing migration of pigments in dyeing or printing fibrous materials. 3,802,905, 4-9-74, Cl. 117-38.000.

Beyer, Klaus D.; and Lever, Reginald F., to International Business Machines Corporation. Method of forming doped silicon oxide layers on substrates and paint-on compositions useful in such methods. 3,834,939, 9-10-74, Cl. 117-201.000.

Beyer, Klaus Dietrich, to International Business Machines Corporation. Method for diffusing as into silicon from a solid phase. 3,798,081, 3-19-74, Cl. 148-188.000.

Beyer, Lewis R. Loose-leaf binder construction. 3,809,485, 5-7-74, Cl. 402-31.000.

Beyer, Louis Benjamin; Cornelissen, Gerardus Antonius Petrus Maria; Driessen, Antonius Jozephus Gerardus Cornelis; Jacobs, Cornelis Adrianus Joannes; and Siebers, Gerardus Henricus Maria, to U.S. Philips Corporation. High-pressure gas discharge lamp. 3,842304, 10-15-74, Cl. 313-44.000.

Beyer, Rodney B.: *See—*
Anderson, Ralph; and Beyer, Rodney B., 3,829,549.

Beyer, Ronald F.: *See—*
Lum, John C.; and Beyer, Ronald F., 3,790,610.

Beyer, Siegfried. Method for shaping extrusion-moulded articles made of synthetic plastics material. 3,851,028, 11-26-74, Cl. 264-89.000.

Beyer, Stanley J.; and Lukes, Robert M., to General Electric Company. Regeneration of ferric chloride copper etching solutions. 3,794,571, 2-26-74, Cl. 204-94.000.

Beyer, Werner: *See—*
Heitmann, Hans-Gunter; Donath, Gerhard; and Beyer, Werner, 3,841,486.

Beyerle, Rudi: *See—*
Stachel, Adolf; Beyerle, Rudi; Kunze, Wilhelm; Nitz, Rolf-Eberhard; and Scholtholt, Josef, 3,845,052.

Beyerle, Rudi; Stachel, Adolf; deceased (by Stachel, Ingeburg Lydia Katharina; heiress); Nitz, Rolf-Eberhard; and Scholtholt, Josef, to Cassella Farbwerke Mainkur Aktiengesellschaft. Basically substituted (1H,3H)-quinazoline-2-thion-4-one derivatives. 3,79,320, 2-19-74, Cl. 260-247.100.

Beyerle, Rudi; Stachel, Adolf; deceased (by Stachel, Ingeburg Lydia Katharina; executrix); Nitz, Rolf-Eberhard; and Scholtholt, Josef, to Cassella Farbwerke Mainkur Aktiengesellschaft. Basically substituted (1H, 3H)-quinazoline-2-thion-4-one derivatives. 3855,223, 12-17-74, Cl. 260-256.50r.

Beyerle, Rudi; Stachel, Adolf; deceased (by Stachel, Ingeburg Lydia Katharina; executrix); Nitz, Rolf-Eberhard; and Scholtholt, Josef, to Cassella Farbwerke Mainkur Aktiengesellschaft. Basically substituted (1H, 3H)-quinazoline-2-thion-4-one derivatives. 3855,224, 12-17-74, Cl. 260-256.50r.

Beyerle, Rudi; Stachel, Adolf; deceased (by Stachel, Ingeburg Lydia Katharina; executrix); Nitz, Rolf-Eberhard; and Scholtholt, Josef, to Cassella Farbwerke Mainkur Aktiengesellschaft. Basically substituted (1H,3H)-quinazoline-2-thion-4-one derivatives. 3,55,225, 12-71-74, Cl. 260-256.50r.

Beyers, Billy Wesley, Jr., to RCA Corporation. Video disc playback eddy current speed control system. 3,829,612, 8-13-74, Cl. 178-6.60a.

Beyers, Marvin E., to Caterpillar Tractor Company. Contoured track shoe for sealed track belts. 3,802,751, 4-9-74, Cl. 305-38.000.

Beyersdorf, Hartwig; and Rims, Lothar, to Preussag AG. Fire alarm with ionization chamber. 3,795,904, 3-5-74, Cl. 340-237.00s.

Beyl, Jean Joseph Alfred. Ski binding. 3,810,644, 4-14-74, Cl. 280-11.35t.

Beyl, Jean Joseph Alfred. Slide plate between ski boot sole and ski surface in releasing ski bindings. 3,814,454, 6-4-74, Cl. 280-11.35c.

Beyl, Volker: *See—*
Voss, Peter; Niederprum, Hans; and Beyl, Volker, 3,803,199.

Beyl, Volker; Jonas, Heinz; Meussdoerffer, Johann Nikolaus; and Niederprum, Hans, to Bayer Aktiengesellschaft. Production of highly flourinated chlorofluoromethanes and tetrafluoromethane. 3,822,323, 7-2-74, Cl. 260-653.000.

Beyleveld, Wilhelmus M.: *See—*
Oxenrider, Bryce C.; Beyleveld, Wilhelmus M.; and Woolf, Cyril, 3,784,644.
Oxenrider, Bryce C.; Beyleveld, Wilhelmus M.; and Woolf, Cyril, 3,795,706.

Beyleveld, Wilhelmus M.; Oxenrider, Bryce C.; and Woolf, Cyril, to Allied Chemical Corporation. Process for preparing fluoroperhaloalkyl isocyanates. 3,795,689, 3-5-74, Cl. 260-453.00p.

Beyleveld, Wilhelmus M.; Oxenrider, Bryce C.; and Woolf, Cyril, to Allied Chemical Corporation. Novel fluorocarbon acids. 3,852,313, 12-3-74, Cl. 260-404.500.

Beyleveld, Wilhelmus Maria: *See—*
Woolf, Cyril; Clifford, Bryce; and Beyleveld, Wilhelmus Maria, 3,842,127.

Beymer, Glen E.: *See—*
Hooley, Eldon R.; and Beymer, Glen E., 3,838,552.

Beymer, Glen E. Extension for a mobile continuous siding machine. 3,788,115, 1-29-74, Cl. 72-181.000.

Beyn, Edgar Joachim, to SCM Corporation. Process for spray drying pigment. 3,843,380, 10-22-74, Cl. 106-300.000.

Beziat, Bernard, to Societe Nouvelle des Echafaudages Tubulaires Mills. Scaffolding. 3,835,612, 9-17-74, Cl. 52-638.000.

Bezold, Karl-Heinz: *See—*
Forster, Johannes; Bezold, Karl-Heinz; and Vitt, Gerhard, 3,824,446.
Forster, Johannes; Bezold, Karl-Heinz; and Neihage, Helmut, 3,849,718.

Bezombes, Albert, to Saint-Gobain Industries. Supporting and tempering bent glass plates. 3,801,298, 4-2-74, Cl. 65-104.000.

Bezombes, Albert, to Saint-Gobain Industries. Glass heating and tempering apparatus. 3,806,331, 4-23-74, Cl. 65-351.000.

Bezombes, Albert, to Saint-Gobain Industries. Adjustable form for shaping sheets of plastic material, in particular, glass. 3,832,153, 8-27-74, Cl. 65-291.000.

Bezrodny, Konstantin Nikolaevich; and Voit, Vladimir Nikolaevich. Apparatus for regulating pressure inside an autoclave. 3,804,591, 4-16-74, Cl. 21-91.000.

Bezzecchi, Carlo. Spreading spout for fertilizer spreading machines of the swinging tube type. 3,843,029, 10-22-74, Cl. 222-533.000.

Bezzubov, Kheino Ioanovich: *See—*
Koost, Oliver Augustovich; and Bezzubov, Kheino Ioanovich, 3,812,699.

BG & F Inc.: *See—*
Goulas, Bobbie D., 3,831,259.

Bhagat, Gopal C.; and Veillard, George E., to Xerox Corporation. Copying machine with means for mounting carrier bead pickoff roller therein. 3,834,804, 9-10-74, Cl. 355-3.00r.

Bhakuni, Roop S.; and Cormany, Joseph L., Jr., to Goodyear Tire & Rubber Company, The. Modified polyester and rubber structures made therefrom. 3,793,132, 2-19-74, Cl. 161-144.000.

Bhakuni, Roop S.; and Cormany, Joseph L., Jr., to Goodyear Tire & Rubber Company, The. Epoxide finish additive. 3,803,035, 4-9-74, Cl. 252m8.900.

Bhakuni, Roop S.; and Morgan, John G., to Goodyear Tire & Rubber Company, The. Process for treating tire cord fabric and improved rubber structures therefrom. 3,821,017, 6-28-74, Cl. 117-76.00t.

Bhan, Andrew Tej, to Universal Oil Products Company. Recuperative thermal recombining system for handling loss of reactor coolant. 3,791,923, 2-12-74, Cl. 176-37.000.

Bhan, Andrew Tej, to Universal Oil Products Company. Recuperative thermal recombining system for handling loss of coolant. 3,853,482, 12-10-74, Cl. 23-284.000.

Bhat, Ghanshyam A.; and Buckley, Charles G., to Sperry Rand Corporation. Toroidal electrolytic sensor and method of manufacture. 3,823,486, 7-16-74, Cl. 33-366.000.

Bhat, Vasanth Kumar; and Shapter, Alan Richard, to Ceramic Coating Company, The. Cermet protective coating. 3,850,647, 11-26-74, Cl. 106-1.000.

Bhatia, Staya P.; Prahacs, Steven; De Souza, Thomas E.; and Jones, Herbert G., to Pulp and Paper Research Institute of Canada. Use of phenolic compounds for the sinultgneous absorption and oxidation of objectionably odorferous sulphur compounds from a gaseus stream. 3,794,711, 2-26-74, Cl. 423-224.000.

Bhatt, Harshad J.; and Tuttle, James W., to Cogar Corporation. Electrical conductor having a high resistance to electromigration. 3,826,626, 7-30-74, Cl. 29-191.600.

Bhattacharya, Ashok K., to General Electric Company. Fill gas mixture for glow lamps. 3,814,971, 6-4-74, Cl. 313-226.000.

Bhattacharya, Bhairab C. Universal medium and method for extending the useful life of semen in vitro. 3,816,249, 6-11-74, Cl. 195-1.800.

Bhattacharyya, Arup; and Dinklage, John B., to International Business Machines Corporation. Gate oxide early fail screening test utilizing a low pressure plasma. 3,796,955, 3-12-74, Cl. 324-158.00t.

Bhattacharyya, Ranendra K.; Fiore, Angelo Ralph, Jr.; and Rudd, David William, to Western Electric Company, Incorporated. Computerized process control system for the growth of synthetic quartz crystals. 3,805,044, 4-16-74, Cl. 235-151.120.

Bhimani, Chetan Vijaysinh, to Recognition Equipment, Incorporated. Optical character identification. 3,786,416, 1-15-74, Cl. 340-146.3ac.

Bhiwandker, Nutan C.: *See—*
United States of America, National Aeronautics and Space Administration, 3,849,877.

Bhopale, Arvind M.: *See—*
Stuart, Richard; and Bhopale, Arvind M., 3,825,834.

Bhuta, Mahendra; and Sacks, William, to Allied Chemical Corporation. Method of forming polyamide-polyethylene composite films. 3,836,620, 9-17-74, Cl. 264-171.000.

Bhuta, Pravin G.; Johnson, Robert L.; Aprahamian, Robert; and Jacoby, Jerold L., to TRW Inc. Low frequency parametric acousto-optical emaging method and apparatus. 3,812,454, 5-21-74, Cl. 340-3.00r.

Bhuta, Pravin G.; Aprahamian, Robert; and Jacoby, Jerold L., to TRW Inc. Acousto-optical underwater imaging system. 3,820,062, 6-25-74, Cl. 340-3.00r.

Bhuta, Pravin G.; Johnson, Robert L.; and Graham, Douglas J., to TRW Inc. Surface tension method of and apparatus for separating immiscible liquids. 3,831,756, 8-27-74, Cl. 210-109.000.

Bhuta, Pravin G.; Johnson, Robert L.; Graham, Douglas J.; and Aprahamian, Robert, to TRW Inc. Acousto-optical multi-constituent flow monitoring method and apparatus. 3,836,950, 9-17-74, Cl. 340-5.00h.

Bhutani, Harish K.: *See—*
Kendall, Giles A.; and Bhutani, Harish K., 3,795,390.

Bhutani, Harish K.; Oda, Albert Y.; and Hughes, Ronald A., to Menasco Manufacturing Company. Missile repositioning system. 3,808,942, 5-7-74, Cl. 89-1.800.

Bhutani, Sudhir K.: *See—*
Schiessl, Henry W.; Sawhill, Duane L.; and Bhutani, Sudhir K., 3,835,134.

Biafore, John J. Safety mechanism for machine tools. 3,814,876, 6-4-74, Cl. 200-61.58r.

Biaggi, Jacques; Oertle, Jakob; and Leonhardt, Michael, to Escher Wyss Limited. Adjusting arrangement for a fluidised bed device. 3,805,403, 4-23-74, Cl. 34-57.00r.

Biais, Andre Julien Augoste Fernand: *See—*
Schouteeten, Robert Andre Gustave; and Biais, Andre Julien Augoste Fernand, 3,816,028.

Bialek, Norman. Chess game apparatus including dice. 3,794,326, 2-26-74, Cl. 273-131.0kc.

Bialek, Norman. Stacking type chess game apparatus. 3,806,125, 4-23-74, Cl. 273-131.0ac.

Bialek, Norman. Auxiliary electric drive attachment for a vehicle. 3,841,428, 10-15-74, Cl. 180-74.000.

Bialobrzeski, Walter. Vehicle mounted insect exterminator. 3,846,932, 11-12-74, Cl. 43-138.000.

Bialous, Charles A.: *See—*
Holub, Fred F.; Pauze, Denis R.; and Bialous, Charles A., 3,833,681.

Bialous, Charles Andrew; and Macke, Gerald Fred, to General Electric Company. Water-clear hydrolytically stable polycarbonate composition containing an aromatic or aliphatic epoxy stabilizer. 3,839,247, 10-1-74, Cl. 260-18.0pf.

Bialy, Jerzy J.: *See—*
Cole, Edmund W.; Bialy, Jerzy J.; and Sweeney, William M., 3,792,984.

Bialy, Jerzy J.; Siegart, William R.; Blackley, William D., and Chafftz, Harry, to Texaco Inc. Method for preparing amine derivatives of fluorinated polystyrenes. 3,793,266, 2-19-74, Cl. 260-93.50a.

Biancamaria, Joseph, to Lhomme (Societe Anonyme). Accurately dimensioned smooth-surfaced multi-layer cardboard tubes and method of and apparatus for making the same. 3,813,026, 5-28-74, Cl. 229-4.500.

Bianchetta, Donald L.; Lohbauer, Kenneth R.; and Rhodes, Sammy J., to Caterpillar Tractor Company. Hydraulic control system for load supporting hydraulic motors. 3,805,678, 4-23-74, Cl. 91-447.000.

Bianchetta, Donald L.; and Lohbauer, Kenneth R., to Caterpillar Tractor Company. Valve disabling device. 3,831,620, 8-27-74, Cl. 137-269.000.

Bianchi, Giuseppe; De Nora, Vittorio; Gallone, Patrizio; and Nidola, Antonio. Titanium or tantalum base electrodes with applied titanium or tantalum oxide face activated with noble metals or noble metal oxides. 3,810,770, 5-14-74, Cl. 106-286.000.

Bianchi, Giuseppe; and Nidola, Antonio E., to Oronzio de Nora Impianti Elettrochimici S.p.A. Process for decomposing alkali metal amalgams into mercury, hydrogen and alkali metal hydroxide solutions. 3,833,357, 9-3-74, Cl. 75-121.000.

Bianchi, Giuseppe; DeNora, Vittorio; Gallone, Patrizio; and Nidola, Antonio, to Electronor Corporation. Method of producing valve metal electrode with valve metal oxide semi-conductive coating having a chlorine discharge catalyst in said coating. 3,846,273 11-5-74, Cl. 204-290.00f.

Bianchi, Jack M.; and Decker, Willis W., to Safeway Stores Incorporated. Cover for basket-type container and combination thereof. 3,795,360, 3-5-74, Cl. 229-43.000.

Bianchi, John E. Holster. 3,847,315, 11-12-74, Cl. 224-2.00c.

Bianchi, Massimo, to Billi, G., & C., S.p.A. Sinker operating cams for circular knitting machines. 3,783,645, 1-8-74, Cl. 66-108.00r.

Bianchi, Massimo; and Conti, Gianni, to Billi, G., & C. S.p.A. Circular knitting machine with jack removal slots. 3,811,296, 5-21-74, Cl. 66-8.000.

Bianchi, Massimo; and Conti, Gianni, to Billi S.p.A. Sinker cap with access slot. 3,828,584, 8-13-74, Cl. 66-107.000.

Bianchi, Nereo, to Necchi Societa per Azioni. Sewing machine having automatic pattern sewing device. 3,792,673, 2-19-74, Cl. 112-158.00a.

Bianchi, Nereo, to Necchi Societa per Azioni. Needle threading device assembled on sewing machines. 3,817,197, 6-18-74, Cl. 112-225.000.

Bianchi, Nereo, to Necchi Societa per Azioni. Cam operated device for connecting balance wheel and main shaft in sewing machines. 3,817,360, 6-18-74, Cl. 192-78.000.

Bianchi, Ralph A.: *See—*
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Bianchi, Santos: *See—*
Abbes, Claud; Bianchi, Santos; Chevallereau, Roger; Rogemont, Jean; Roques, Robert; Rouaud, Christian; and Royer, Henri, 3,820,799.

Bianchi, Turreno, to S.A.I.P. (S.p.A.). Hydraulic tightening-up device for very high stresses. 3,819,286, 6-25-74, Cl. 403-31.000.

Bianchi, Vittorio Achille. Press with a working table provided with an inflatable cushion. 3,822,627, 7-9-74, Cl. 83-529.000.

Bianco, Eitore. Automatic device for signaling frogman accidents. 3,786,406, 1-15-74, Cl. 340-5.00r.

Biard, James F. Phototransistor having a buried base. 3,838,439, 9-24-74, Cl. 357-30.000.

Biard, James R., to Spectronics, Incorporated. Edge emission gas light emitter structure. 3,821,775, 6-28-74, Cl. 357-17.000.

Biarnais, Paul; Falize, Claude; and Sitaud, Gilbert, to Rhone-Progil. Purification of high boiling esters. 3,849,475, 11-19-74, Cl. 260-475.00b.

Biasotti, Joseph B.; and Oberender, Frederick G., to Texaco Inc. Motor fuel additive. 3,844,731, 10-29-74, Cl. 44-66.000.

Biaunier, Alain: *See—*
De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges; Meyer, Jean-Claude; Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis; Charpentier, Jacques Georges; and Jacquot, Alain, 3,825,982.

Biava, Domenick R.: *See—*
Lofredo, Antony; and Biava, Domenick R., 3,792,590.

Biba, Edward A.; and Sowinski, Leonard A., to Mandex Manufacturing Company, Inc. Connector. 3,783,432, 1-1-74, Cl. 339-12.00v.

Bibaut, Gilbert Abel. Endless track. 3,819,240, 6-25-74, Cl. 305-54.000.

Bibh, Everett I. Frame joint construction. 3,849,013, 11-19-74, Cl. 403-347.000.
Bibh, Roy, 20% to Lee, Raymond, Organization, Inc., The. Target scale buckets and bean bags. 3,817,526, 6-18-74, Cl. 273-95.00r.
Bibbens, William H. Sealing assembly. 3,851,999, 12-3-74, Cl. 418-142.000.
Bibby, Malcolm M., to Monsanto Company. Method for detecting thermal changes on a surface. 3,854,336, 12-17-74, Cl. 73-351.000.
Biber, Conrad H.; and Shenk, Edwin K., to Polaroid Corporation. Photographic apparatus with solenoid powered instrumentalities. 3,791,278, 2-12-74, Cl. 95-53.0ea.
Biber, Conrad H., to Polaroid Corporation. Preferential power distribution system for battery powered camera having electronic flash unit. 3,810,212, 5-7-74, Cl. 354-128.000.
Biber, Conrad H., to Polaroid Corporation. Automatic electronic flash camera. 3,846,812, 11-5-74, Cl. 354-145.000.
Biber, Rupert, to Beck, Hans (Stahlbau-Fertigbau). Portion positioning apparatus, especially for dough portions. 3,831,778, 8-27-74, Cl. 214-1.0bd.
Bibighaus, Fred W., to Superior Tube Company. Tube rolling mill for producing tubing with various internal configurations. 3,813,911, 6-4-74, Cl. 72-208.000.
Bibighaus, Fred W., superior Tube Company. Tube rolling mill for producing tubing with various external configurations. 3,842,635, 10-22-74, Cl. 72-208.000.
Bibl, Josef: *See—*
Schiesterl, Gerhard; and Bibl, Josef, 3,783,207.
Bibl, Klaus, to Lowell Technological Institute Research Foundation. Font of digital, or other, characters and method for pattern printing thereof. 3,810,095, 5-7-74, Cl. 340-146.30a.
Bible, Everett P. Device for holding stones during cutting. 3,840,000, 10-8-74, Cl. 125-35.000.
Bice, William A., to Clark Equipment Company. Tractor suspension. 3,845,833, 11-5-74, Cl. 180-29.000.
Bichell, William J.: *See—*
Wyman, Dennis G.; Bichell, William J.; and Oliveri, Humber, 3,784,201.
Bicher, Haim I.; and Sorenson, Lon A., to Mediscience Corporation. Cardiac monitor. 3,832,994, 9-3-74, Cl. 128-2.06a.
Bick, Maurice; and Lochet, Jean A., to Auric Corporation. Gold plating bath for barrel plating operations. 3,783,111, 1-1-74, Cl. 204-46.000.
Bick, Maurice; and Lochet, Jean A., to Auric Corporation. Gold plating bath for barrel plating operations. 3,791,941, 2-12-74, Cl. 204-46.000.
Bick, Maurice; and Lochet, Jean A., to Auric Corporation. Gold electroplating baths and process. 3,833,488, 9-3-74, Cl. 204-46.00g.
Bick, Maurice; and Lochet, Jean A., to Auric Corporation. Bright gold electroplating bath and method of electroplating bright gold. 3,856,638, 12-24-74, Cl. 204-43.00g.
Bickel, Hans: *See—*
Gaeumann, Ernst; Prelog, Vladimir; Vischer, Ernst; and Bickel, Hans, 3,852,424.
Bickel, Hans; and Mueller, Johannes, to Ciba-Geigy Corporation. Derivatives of 3-heterocyclmercaptomethyl 1-aminocephalosporanic acids. 3,804,832, 4-16-74, Cl. 260-243.00c.
Bickel, John E., to United States of America, Navy. VLF frequency diversity trailing wire transmitting antenna. 3,806,944, 4-23-74, Cl. 343-707.000.
Bickel, John E.; and Gallenberger, Robert J., to United States of America, Navy. Aircraft VLF receiving antenna. 3,836,971, 9-17-74, Cl. 343-100.0pe.
Bickel, Quentin D. Taillight assembly. 3,828,178, 8-6-74, Cl. 240-7.10r.
Bickerdike, Robert Lewis; and Mair, William Norman, to United Kingdom of Great Britain and Northern Ireland, Minister of Technology in Her Britannic Majesty's Government of the. Processes for the production of alloys. 3,804,662, 4-16-74, Cl. 117-71.00r.
Bickford, John C., to Hydraulic Systems, Inc. Piston pump with self-lubrication pistons. 3,811,798, 5-21-74, Cl. 417-269.000.
Bickford, William J.; Rowland, Howard J.; and Tsao, Carson K. H., to Raytheon Company. Scatter communication system. 3,821,646, 6-28-74, Cl. 325-56.000.
Bickham, Francis L., to Price, H. C., Co. Pipe coating beveler and sealer. 3,784,349, 1-8-74, Cl. 425-402.000.
Bickham, Francis L., to Price, H. C., Company. Apparatus for handling pipe joints coated with mastic material. 3,807,588, 4-30-74, Cl. 214-146.00s.
Bickl, Horst: *See—*
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Bickley Furnaces Incorporated: *See—*
Remmey, George Bickley, 3,843,317.
Bickmire, Walter W.; Szeverenyi, Nikolaus A.; and Thompson, David F., to GTE Sylvania Incorporated. Temperature compensated fluid sensor. 3,803,525, 4-9-74, Cl. 337-104.000.
Bickmore, John T., to Xerox Corporation. Image developing apparatus. 3,818,864, 6-25-74, Cl. 118-637.000.
Bickoff, Emanuel M.; and Kohler, George O., to United States of America, Agriculture. Preparation of edible protein from leafy green crops such as alfalfa. 3,823,128, 7-9-74, Cl. 260-112.00r.
Bicosa Societe de Recherches: *See—*
Courier-De-Mere, Henri Edouard Francois Marie, 3,846,063.
Bicron Corporation: *See—*
Menefee, Julius H.; Novak, William P.; and White, John A., 3,798,448.
Bicron Electronics Company: *See—*
Schmitt, Clifford G., 3,800,257.
Bidard, Rene, to Compagnie Electro-Mecanique. Liquid solutions expanded along a curvilinear surface. 3,833,480, 9-3-74, Cl. 203-88.000.
Biddell, William G., to National Distillers and Chemical Corporation. Flame retardant compositions. 3,856,890, 12-24-74, Cl. 260-897.00b.
Biddison, John M.; and Donnaker, Clarence W., to Globe Tool and Engineering Company, The. Automatic aramature winding. 3,783,501, 1-8-74, Cl. 29-597.000.
Biddison, John M., to Globe Tool and Engineering Company, The. Shaft rotating mechanism. 3,785,583, 1-15-74, Cl. 242-7.05b.
Biddle, Franklin Keith; and Becht, Carl T., to Senco Products Inc. Annular piston stop structure. 3,828,656, 8-13-74, Cl. 92-85.000.
Biddle, James G., Company: *See—*
Ironside, Donald S., 3,784,906.
Biddles, Barry John: *See—*
Allnutt, Anthony John; Biddles, Barry John; and Brook, Richard Anthony, 3,814,945.
Baker, Lionel Richard; Biddles, Barry John; and Williams, Thomas Llewellyn, 3,814,520.
Biden, Barry D.: *See—*
Otway, Clifford G.; and Biden, Barry D., 3,856,455.
Bidick, Ward F., to Koppers Company, Inc. Divided collecting main for coke oven. 3,804,721, 4-16-74, Cl. 202-256.000.
Bidlack, Harvey D.; and Mussell, Dorsey R., to Dow Chemical Company, The. 4-Chlorophenyl-2-thienyliodonium trifluoroacetate as a plant stunting agent. 3,801,301, 4-2-74, Cl. 71-76.000.
Bidlack, Harvey D., to Dow Chemical Company, The. 1-Ethyl-1-methyl-4-(3-methyl-2-phenylvaleroyloxy) piperidinium bromide as a plant stunting agent. 3,802,862, 4-9-74, Cl. 71-76.000.
Bidwell, Arthur W., to Magnoda Products, Inc. Aluminum barrier support post. 3,822,863, 7-9-74, Cl. 256-13.100.
Bidwell, Robert: *See—*
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Bidwell, Robert E.: *See—*
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Bidwell, Robert E.; and Kurtz, Leonard D., to Deknatel, Inc. Sound muffler for drainage device. 3,782,497, 1-1-74, Cl. 181-33.000.
Bidwell, Robert E.; and Kurtz, Leonard D., to Deknatel, Inc., mesne. Surgical drainage system. 3,809,085, 5-7-74, Cl. 128-275.000.
Bieber, Clarence George, to International Nickel Company, Inc., The. Corrosion resistant ferritic stainless steel. 3,837,847, 9-24-74, Cl. 75-128.000.
Bieber, Herman; and Spenadel, Lawrence, to Esso Research and Engineering Company. Solid propellant formulation containing fluoro-amino compounds and polymers. 3,857,742, 12-31-74, Cl. 149-19.300.
Biebuyck, Lawrence F.: *See—*
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Hubbard, S. Eugene; and Biebuyck, Lawrence F., 3,844,084.
Biebuyck, Lawrence F.; and Hubbard, Eugene, to American Metal Climax, Inc. Entrance structure. 3,816,011, 6-11-74, Cl. 403-187.000.
Biebuyck, Lawrence P.: *See—*
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Bielawa, Richard L., to United Aircraft Corporation. Coaxial rotor yaw control. 3,814,351, 6-4-74, Cl. 244-17.190.
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Bielfeldt, Bernd Friedrich; and Richardsen, Richard Flohrs, to Krauss-Maffei Aktiengesellschaft. Screw-type injector for molding machine. 3,804,381, 4-16-74, Cl. 259-191.000.
Bielfeldt, Friedrich Bernd, to Eckert & Ziegler GmbH. Apparatus for injection molding with thermosetting resins. 3,787,159, 1-22-74, Cl. 425-167.000.
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Bielfeldt, Gerlinde: *See—*
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Bielskis, Edward C., to Patterson, C. J., Company. Method of increasing cold water solubility of locust bean gum. 3,855,149, 12-17-74, Cl. 252-363.500.
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Bien, Hans-Samuel; and Klauke, Erich, to Bayer Aktiengesellschaft. Reactive anthraquinone dyestuffs containing a fluoropyrimidinyl group. 3,822,263, 7-2-74, Cl. 260-256.50r.
Bien, Hans-Samuel; Harms, Wolfgang; Schmitz, Reinold; and Leister, Heinrich, to Bayer Aktiengesellschaft. Anthraquinone reactive dyestuffs. 3,828,040, 8-6-74, Cl. 260-249.000.
Bienas, Joseph R.: *See—*
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Bieniok, Joachim, to Heberlein & Co. AG. Device for selectively changing the sense of rotation of the twist tubes of a false-twist machine. 3,827,229, 8-6-74, Cl. 57-77.450.
Bier, Kenneth C., to Colt Industries Operating Corporation. Exhaust gas recirculation system. 3,842,814, 10-22-74, Cl. 123-119.00a.
Bier, Milan. Apparatus and technique for preservation of isolated organs through perfusion. 3,843,455, 10-22-74, Cl. 195-127.000.
Bierbrauer, Chester J., to Minnesota Mining and Manufacturing Company. Plural coated pile fabric. 3,816,229, 6-11-74, Cl. 161-67.000.
Bierenbaum, Harvey S.; Daley, Lawrence R.; Zimmerman, Daniel, and Hay, Ian L., to Celanese Corporation. Process for preparing a thermoplastic microporous film involving a cold stretching step and multiple hot stretching steps. 3,843,761, 10-22-74, Cl. 264-10.00r.
Bierenfeld, Herbert Henry, to Western Electric Company, Incorporated. Strand threading device. 3,819,099, 6-25-74, Cl. 226-91.000.
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Bierman, Clarence R.; and Welks, John D., to M & T Chemicals Inc. Metal-polymer composites and methods for their preparation 3,833,458, 9-3-74, Cl. 161-216.000.
Bierman, Jacob. Portable carrier. 3,827,707, 8-6-74, Cl. 280-36.00c.
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Biersack, Horst, to Impex-Essen GmbH. Electrically operated hammer drill. 3,794,124, 2-26-74, Cl. 173-104.000.
Biersack, Horst, "Impex-Essen" Vertrieb von Werkzeugen GmbH, Firma. Hammer drills. 3,841,418, 10-15-74, Cl. 173-109.000.
Bierwiler, Martha. Animated children's marionette theatre. 3,812,611, 5-28-74, Cl. 46-13.000.
Bierwith, Stanton F., to Great Canadian Oil Sands, Limited. Dip construction for bucket wheel excavators. 3,791,054, 2-12-74, Cl. 37-141.00r.
Bierworth, David P.; and Hynes, Frank R., to Xerox Corporation Fusing apparatus. 3,849,905, 11-26-74, Cl. 34-155.000.
Biery, Paul J.; Schwartz, Vernon R.; and Tregear, Roger N. J., to Information Terminals Corporation. Tape cassette. 3,848,265, 11-12-74, Cl. 360-132.000.
Biesan, M. Michel: *See—*
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Bieser, Herbert J., to Universal Oil Products Company. Process for separating para-xylene. 3,813,452, 5-28-74, Cl. 260-674.0sa.
Bieser, Herbert J.; and Uitti, Kenneth D., to Universal Oil Products Company. Distillation drying process. 3,855,077, 12-17-74, Cl. 203-14.000.
Biesinger, Erwin, to Seco Maschinenbau GmbH & Co. KG. Method and apparatus for distilling of solvents in which foreign matter is dissolved. 3,827,476, 8-6-74, Cl. 159-44.000.
Biesmans, Robert, to Elphiac. Method of contracting or compressing, machine for performing the method and articles produced according to the method. 3,842,644, 10-22-74, Cl. 72-342.000.
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Bieszczad, Edward S.; Wedmore, William R.; and Young, John S., to GTE Automatic Electric Laboratories, Incorporated. Control of operator position display. 3,835,466, 9-10-74, Cl. 340-334.000.
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Biber, Conrad H., and Shenk, Edwin K., to Polaroid Corporation. Photographic apparatus with solenoid powered instrumentalities. 3,791,278, 2-12-74, Cl. 95-53.0ea

Biber, Conrad H., to Polaroid Corporation. Preferential power distribution system for battery powered camera having electronic flash unit. 3,810,212, 5-7-74, Cl. 354-128.000

Biber, Conrad H., to Polaroid Corporation. Automatic electronic flash camera. 3,846,812, 11-5-74, Cl. 354-145.000

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Bibighaus, Fred W., superior Tube Company. Tube rolling mill for producing tubing with various external configurations. 3,842,635, 10-22-74, Cl. 72-208.000

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Bible, Everett P. Device for holding stones during cutting. 3,840,000, 10-8-74, Cl. 125-35.000

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Bick, Maurice, and Lochet, Jean A., to Auric Corporation. Bright gold electroplating bath and method of electroplating bright gold. 3,856,638, 12-24-74, Cl. 204-43.00g

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Bickel, Hans, and Mueller, Johannes, to Ciba-Geigy Corporation. Derivatives of 3-heterocyclmercaptomethyl 1-aminocephalosporanic acids. 3,804,832, 4-16-74, Cl. 260-243.00c

Bickel, John E., to United States of America, Navy. VLF frequency diversity trailing wire transmitting antenna. 3,806,944, 4-23-74, Cl. 343-707.000

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Bickmore, John T., to Xerox Corporation. Image developing apparatus. 3,818,864, 6-25-74, Cl. 118-637.000

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Biel, John Hans. *See*—
Hopps, Harvey Byron, and Biel, John Hans, 3,786,057

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Bieler, Barrie H. *See*—
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Bieler, Barrie H., Morgan, David C., and Guebert, Kenneth W., to Dow Chemical Company, The. Basic oxygen process using a sodium hydroxide reaction product flux. 3,811,870, 5-21-74, Cl. 75-52.000

Bielfeldt, Bernd Friedrich, and Richardsen, Richard Flohrs, to Krauss Maffei Aktiengesellschaft. Screw type injector for molding machine. 3,804,381, 4-16-74, Cl. 259-191.000

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Bielfeldt, Friedrich Bernd, and Herbst, Richard, to Krauss Maffei Aktiengesellschaft. Distributor and nozzle assembly for injection molding machines. 3,849,048, 11-19-74, Cl. 425-247.000

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Bielfeldt, Heinz, deceased (by Bielfeldt, Gerlinde, Diehl, Christiane, and Bielfeldt, Karsten, heirs), to Sauer, J. P. & Sohn, GmbH. Cylinder breech mechanism for small arms. 3,835,566, 9-17-74, Cl. 42-16.000

Bielfeldt, Heinz, deceased (by Bielfeldt, Gerlinde, by Bielfeldt, Karsten, and by Diehl, Christiane, heirs), to Sauer, J. P. & Sohn GmbH. Methods and apparatus for detachably assembling the barrel of a firearm. 3,834,053, 9-10-74, Cl. 42-75.00b

Bielfeldt, Karsten. *See*—
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Bielkiewicz, Raymond J. Pallet disassembly machine. 3,846,890, 11-12-74, Cl. 29-200.00d

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Bielskis, Edward C., to Patterson, C. J., Company. Method of increasing cold water solubility of locust bean gum. 3,855,149, 12-17-74, Cl. 252-363.500

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Lazarre, Flavien; Rozand, Jacques; Blu, Gilbert, and Bimond, Jean-Pierre, 3,833,335.
Bimshas, John, Jr.; and Hickey, Edward S., to United States of America, Navy. Rotatable finned heat transfer device. 3,844,341, 10-29-74, Cl. 165-86.000.
Binard, Pierre; Defosse, Georges, and Jawuerie, Jean Marie, to Elphiac. Plasma furnace. 3,798,489, 3-19-74, Cl. 313-231.000.
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Binder, Horst; Kohling, Alfons; and Kuhn, Wolfgang. Gas electrodes. 3,854,994, 12-17-74, Cl. 117-216.000.
Binder, John Frank, to General Electric Company. Adhesively bonded commutator. 3,819,967, 6-25-74, Cl. 310-236.000.
Binder, Joseph, to Ashland Optical Corporation. Cylindrical mold for the production of a plurality of optical lenses. 3,836,111, 9-17-74, Cl. 249-121.000.
Binder, Kurt, to Berhenhoff & Co., KG. Method and apparatus for continuously casting non-ferrous metals in a graphite-glassy substance mold. 3,794,102, 2-26-74, Cl. 164-82.000.
Binder Magnete GmbH. *See—*
Binder, Wilhelm, Hauer, Rudolf, and Bausch, Edmund, 3,855,486.
Binder, Marshall A.. *See—*
Grady, Michael J., and Binder, Marshall A., 3,828,395.
Binder, Robert. *See—*
Porsche, Ferdinand Anton Ernst; Binder, Robert, and Weyersberg, Ernst Rudolf, 3,799,138.
Binder, Robert, to Porsche, Dr.-Ing. H.c.F., KG, Firma. Mixture preparation installation for a multi-cylinder injection internal combustion engine. 3,854,462, 12-17-74, Cl. 123-119.00r.
Binder, Rudolf. *See—*
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Gmeiner, Gunter, Kolle, Erwin, and Binder, Rudolf, 3,831,221.
Binder, Wilhelm, Hauer, Rudolf, and Bausch, Edmund, to Binder Magnete GmbH. Step motor. 3,855,486, 12-17-74, Cl. 310-49.000.
Binder, Wolfgang Max, to RCA Corporation. Device for mounting and orienting an irregular workpiece. 3,826,047, 7-30-74, Cl. 51-277.000.
Bindernagel, Ali, and Mattheis, Friedrich Karl, to Kocks, Friedrich, Firma. Rolls. 3,787,942, 1-29-74, Cl. 29-125.000.
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Binding, Kenneth W.; and Cunningham, Stanley H., to Beatrice Foods Co. Ski rack for attachment to the trunk cover of a vehicle. 3,792,805, 2-19-74, Cl. 224-29.00r.

Binding, Kenneth W., to Beatrice Foods Co. Jack stand. 3,802,658, 4-9-74, Cl. 248-352.000.

Binding, Kenneth W., to Beatrice Foods Co. Portable vehicle rack. 3,847,376, 11-12-74, Cl. 254-88.000.

Bindler, Jakob: *See—*
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Model, Ernst; and Bindler, Jakob, 3,800,048.

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Binegar Design and Engineering Corporation: *See—*
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Binegar, Sylvester E., to Binegar Design and Engineering Corporation. Adjustable chiropractic table. 3,821,952, 7-2-74, Cl. 128-70.000.

Binet, Paul Omer Gaston. *See—*
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Binford, Jack C.; Ethridge, Frederick A., and Talbot, James R., to Fiber Industries, Inc. Method for producing a yarn having latent bulking characteristics. 3,831,231, 8-27-74, Cl. 28-72.140.

Bing, Alan J.. *See—*
Boocock, David; Bing, Alan J., and Preston, Kevin S., 3,845,724.
Hicks, Alan, Bing, Alan J., and Preston, Kevin S., 3,802,350.

Bing, Colin C. *See—*
Neti, Radhakrishna Murty; Sawa, Kenneth B., and Bing, Colin C., 3,787,309.

Bingen, Roald, and Van Bulse, Jacques, to ACEC (Ateliers de Constructions Electriquesde Charleroi) Smoothing choke. 3,784,946, 1-8-74, Cl. 336-59.000.

Binger, Wynn S., Shope, Leonard L., and Moey, Glenn W., to Construction Materials, Inc. Concrete median and curb sawing machine. 3,785,705, 1-15-74, Cl. 299-75.000.

Binggeli, La Ron D. *See—*
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Bingham, Alex John. *See—*
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Bingham, Alex John, Pendlebury, David, and Lazarus, Stanley David, to Allied Chemical Corporation. Production of polycaproamide fiber. 3,839,530, 10-1-74, Cl. 264-210.000.

Bingham, Henry, to Hard Metals Limited. Cutting unit for use on rock boring machines. 3,835,944, 9-17-74, Cl. 175-364.000.

Bingham, Joseph P. Fluidic pump. 3,844,622, 10-29-74, Cl. 302-45.000.

Bingham, Loran S. Coupling collet and gland for metal to plastic conduit. 3,807,776, 4-30-74, Cl. 285-174.000.

Bingham, Ronald E.; Cecil, Thomas F.; Galli, Guido, and Poquette, Gereon E., to International Business Machines Corporation. Corona charging device. 3,789,278, 1-29-74, Cl. 317-262.00a.

Bini, Rodney James, to Norman, George, & Co., Pty. Ltd. Connecting means. 3,835,508, 9-17-74, Cl. 24-204.000.

Binkley Company, The. *See—*
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Baxter, Bobby G., and Splitt, Theodore B., 3,856,330.
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Binks, Chester, to Restaurant Technology, Inc. Chicken cooking apparatus. 3,816,703, 6-11-74, Cl. 219-440.000.

Binks, Chester J., and Moser, Joseph M., to Restaurant Technology, Inc. Steam injector and spatula. 3,794,016, 2-26-74, Cl. 126-369.000.

Binks Manufacturing Company. *See—*
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Krohn, Duane D., 3,836,082.
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Binns, Kenneth John, to National Research Development Corporation. Permanent magnet rotor for alternating current generators and motors. 3,849,682, 11-19-74, Cl. 310-156.000.

Binns, Lloyd Sylvester. Pulling head for installing blind rivets. 3,850,021, 11-26-74, Cl. 72-391.000.

Binns, Robert Eric, to Amchem Products, Inc. Zirconium rinse for phosphate coated metal surfaces. 3,850,732, 11-26-74, Cl. 204-181.000.

Bino, Charles F., to Burlington Industries, Inc. Fugitive-staining process for textile fibers. 3,819,324, 6-25-74, Cl. 8-164.000.

Binon, Fernand, and Areschka, Alex, to Labaz. 2-[(2-Alkyl-benzo[b]furan-3-yl)methyl]-Δ2 imidazoline. 3,818,035, 6-18-74, Cl. 260-309.600.

Bins, Cornelis G., to N.V Rubberfabriek Vredestein. Outer cover or tyre. 3,833,040, 9-3-74, Cl. 152-330.000.

Binsack, Rudolf, to Bayer Aktiengesellschaft. Novel polyben Z-1,3-oxazin-(2,4)-diones and a process for their production. 3,839,283, 10-1-74, Cl. 260-47.0cp.

Binsfeld, George H., to Construction Forms, Inc. Concrete form vibrator clamp unit. 3,813,068, 5-28-74, Cl. 248-14.000.

Bintner, Dennis W.: *See—*
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Bintrim, Donald D., to Berry Metal Company. Support structure for turn wheel of cable-driven chair lift. 3,788,235, 1-29-74, Cl. 104-191.000.

Bintz, Miles F.; and Dehmer, Raymond L., to General Electric Company. Reversing turbine flow divider support. 3,802,797, 4-9-74, Cl. 415-153.000.

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Binzer, Thomas J.; and Wooding, Peter H., to General Electric Company. Lighted control console with lift-up information plate. 3,787,674, 1-22-74, Cl. 240-2.0pa.

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Bio-Dynamics, Inc.: *See—*
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Pickett, Charles G., and Molnar, James V., 3,810,779.
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Bio-Research Laboratories Ltd. *See—*
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Bio-Response, Inc. *See—*
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Biocel Corporation. *See—*
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Biochemical Procedures, Inc. *See—*
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Biocontacts, Inc.. *See—*
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Biocor Corporation. *See—*
Stager, Francis W., and Minor, Robert N., 3,800,977.

Bioelectric Systems, Inc. *See—*
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Biological Concepts, Inc. *See—*

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Biomarine Industries, Inc.: *See—*
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Biomatics Instrument Corporation: *See—*
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Biometrics, Inc.: *See—*
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Biondetti, Mario, to Escher Wyss Aktiengesellschaft. Roller for a pressure treatment of webs. 3,846,883, 11-12-74, Cl. 29-116.0ad.

Biondi, Leonardo; and Vaudo, Albert, to Montecatini Edison S.p.A. Process and plant for the isotopic enrichment of uranium by means of gaseous diffusion. 3,792,570, 2-19-74, Cl. 55-16.000.

Biora, Julio L.: *See—*
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Biospherics Incorporated: *See—*
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Biot, Maurice A.: *See—*
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Bioteknika International, Inc.: *See—*
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Birch, Arthur L., and Brown, Darrell E. Check-valve for tracheotomy tubes. 3,827,440, 8-6-74, Cl. 128-351.000.

Birch, Arthur L., and Brown, Darrell E. Tracheotomy device. 3,844,290, 10-29-74, Cl. 128-351.000.

Birch, Bonnie Alice. Brassiere construction. 3,834,397, 9-10-74, Cl. 128-480.000.

Birch Brothers, Inc.: *See—*
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Birch, Norman John, to National-Standard Company Limited. Method of and apparatus for stranding elongate material. 3,824,775, 7-23-74, Cl. 57-58.520.

Birch, Philip L., and Morrison, Robert W., to Ford Motor Company. Variable tip clearance engine cooling fan shroud. 3,794,001, 2-26-74, Cl. 123-41.050.

Birch, Ralph William. Closure cap. 3,784,041, 1-8-74, Cl. 215-40.000.

Birch, Richard Wykeham Beaufoy. Pickup guidance mechanisms. 3,826,505, 7-30-74, Cl. 274-23.00a.

Birch, Richard Wykeham Beaufoy. Gramophone pickup guidance mechanisms. 3,850,435, 11-26-74, Cl. 274-23.00a.

Birchall, James Derek. *See—*
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Birchall, James Derek; Cassidy, John Edward, Stafford, John, and Last, Anthony Graham Marshall, to Imperial Chemical Industries, Limited. Printing process. 3,785,845, 1-15-74, Cl. 117-15.000.

Birchall, James Derek, and Cassidy, John Elward, to Imperial Chemical Industries, Limited. Fibrous materials. 3,788,885, 1-29-74, Cl. 117-126.0af.

Birchall, James Derek; Cassidy, John Edward; Priddle, John Edward, and Smith, Laurence Michael, to Imperial Chemical Industries Limited. Glass laminates. 3,793,105, 2-19-74, Cl. 156-106.000.

Birchall, James Derek, Cassidy, John Edward, and Buttrey, Douglas Norton, to Imperial Chemical Industries, Limited. Method for impregnating cellulosic substrates. 3,801,362, 4-2-74, Cl. 117-143.00b.

Birchall, James Derek, and Cassidy, John Edward, to Imperial Chemical Industries Limited. Graphite compositions. 3,804,648, 4-16-74, Cl. 106-56.000.

Birchall, James Derek, and Cassidy, John Edward, to Imperial Chemical Industries Limited. Method of coating substrates. 3,839,078, 10-1-74, Cl. 117-119.600.

Birchenough, John Peacock, to Plessey Handel und Investments AG. Doppler microwave landing systems. 3,845,486, 10-29-74, Cl. 343-106.00d.

Birchfield, Jerry Linward; and Moss, Richard Wallace. Pulse rate discriminator generating output only at predetermined input frequency. 3,825,842, 7-23-74, Cl. 328-138.000.

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Bird, Alfred James, and Cooper, Barry John, to Johnson, Matthey & Co., Limited. Carbon molecular sieve catalyst. 3,806,466, 4-23-74, Cl. 252-422.000.

Bird, Arthur P. Vehicle headlamp wiper assembly. 3,840,934, 10-15-74, Cl. 15-250.300.

Bird Corporation. *See—*
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Bird, David A., to Honeywell Information Systems, Inc. Low frequency oscillator circuit. 3,783,408, 1-1-74, Cl. 331-135.000.

Bird Electronic Corporation: *See—*
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Bird, Forrest M.; and Pohndorf, Henry L., to Bird Corporation. Fail-safe breathing circuit and valve assembly for use therewith. 3,812,878, 5-28-74, Cl. 137-512.000.

Bird, Forrest M. Pediatric ventilator. 3,842,828, 10-22-74, Cl. 128-145.800.

Bird Island, Inc.: *See—*
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Bird, James E., and Carter, Paul R., to United States Steel Corporation. Can stock with differential protective coatings. 3,799,750, 3-26-74, Cl. 29-195.00t.

Bird, John Lee. Propeller shaft lock. 3,831,547, 8-27-74, Cl. 115-43.000.

Bird Machine Company, Inc. *See—*
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Bird, Marlin E. Cutting tool holding device. 3,848,865, 11-19-74, Cl. 269-69.000.

Bird, Martin J., to Persons-Majestic Mfg. Company. Cycle saddle with plastic base. 3,856,348, 12-24-74, Cl. 297-195.000.

Bird, Melvyn R., to General Motors Corporation. Combined grease seal-dirt shield. 3,838,898, 10-1-74, Cl. 308-187.200.

Bird, Stanford W., to Plastronics Corporation. Carrying container. 3,819,080, 6-25-74, Cl. 220-17.000.

Bird, Stanford W., to Plastronics Corporation. Carton carrier. 3,829,143, 8-13-74, Cl. 294-31.200.

Bird, Stanford W.; Wasserman, Jerome D.; and Hatley, Earl L., said Bird, Stanford W., assor. to Plastronics Corporation and said Wesserman and Hatley assors. to Consolidated Foods Corporation. Tear-away package. 3,848,795, 11-19-74, Cl. 229-23.00r.

Bird, Stephen James, to Lucas Electrical Company Limited, The. Lever operated switch having adjustable contact gap. 3,842,223, 10-15-74, Cl. 200-61.58b.

Bird, William H., to Johnson & Johnson. Surgical face mask. 3,802,429, 4-9-74, Cl. 128-146.200.

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Birdwell, James A., Barton, John R., and Gardner, Clarence G., to Southwest Research Institute. Method and circuit for compensating barkhausen signal measurements in magnetic materials having a variable geometry. 3,783,370, 1-1-74, Cl. 324-34.00r.

Birge, William T., to Kelsey-Hayes Company. Inspection hole cover. 3,782,513, 1-1-74, Cl. 188-206.00r.

Birge, William T., to Kelsey-Hayes Company. Skid control system including cycling and checking circuit for plural modulating valve. 3,796,469, 3-12-74, Cl. 303-21.0af.

Birger, Abram Isaakovich; Fiskin, Alexandr Mikhailovich, Samsonov, Ivan Sergeevich, Savushkin, Anatoly Alexandrovich, Zemtsov, Nikolai Nikolaevich, and Borisevich, Vitaly Arkadievich. Mill for manufacture of plaster concrete articles. 3,811,812, 5-21-74, C 425-217.000.

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Birk, Donald G., to Royalty Designs Corporation. Invalid walker 3,800,815, 4-2-74, Cl. 135-45.00a.
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Birke, August H., to Shell Oil Company. Dibenzimidazole grease thickening agents. 3,785,979, 1-15-74, Cl. 252-51.50a.
Birke, Lutz Georg; Jebens, Aksel; Ryuter, Ivar Eystein; and Dyvik, Froystein, to Det Norske Zinkkompani A/S. Process for the removal of mercury from gases. 3,838,190, 9-24-74, Cl. 423-210.000.
Birke, Walter; von der Eltz, Hans-Ulrich; Meininger, Fritz; Mischke, Peter; and Schon, Franz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for one-bath dyeing and printing of textile material. 3,814,579, 6-4-74, Cl. 8-13.000.
Birkenbach, Eugen J., to International Harvester Company. Disk gang coupling for harrows and the like. 3,831,685, 8-27-74, Cl. 172-568.000.
Birkenhagen, Manfred: *See—*
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Birkenmeyer, Robert D., to Upjohn Company, The. Analogs of lincomycin and process. 3,787,390, 1-22-74, Cl. 260-210.00r.
Birkenmeyer, Robert D., to Upjohn Company, The. Lincomycin and clindamycin 1-0-ethers. 3,849,396, 11-19-74, Cl. 260-210.00r.
Birkenmeyer, Robert D., to Upjohn Company, The. Compositions and process. 3,856,943, 12-24-74, Cl. 424-180.000.
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Birkenstock, Udo; and Wedemeyer, Karlfried, to Bayer Aktiengesellschaft. Process for the production of dicarboxylic acid esters and the corresponding dicarboxylic acids. 3,853,961, 12-10-74, Cl. 260-485.00r
Birkestrand, Orville J.; and Haas, John L., to Collins Machinery Corporation. Automatic lever controlled die head. 3,820,180, 6-28-74, Cl. 10-94.000
Birkett, Christopher B.; and Epstein, Barry D., to General Atomic Company, mesne. Self-cleaning optical cell for a fluid analysis system. 3,844,661, 10-29-74, Cl. 356-184.000
Birkett, Earl. Ignition boot hoppering and assembly device. 3,807,021, 4-30-74, Cl. 29-203.00r
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Birkin, Michael S., to British Railways Board. Vehicle program control system. 3,805,056, 4-16-74, Cl. 246-187.00b.
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Biro, Carl B. Pedometer toy. 3,818,194, 6-18-74, Cl. 235-105.000.
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Birum, Herbert L., Jr. Apparatus for mounting wallboard. 3,852,927, 12-10-74, Cl. 52-241.000.
Bisbee, Charles, Story, Albert Girard; and Servici, Cesar Juan, to Combustion Engineering, Inc. Railroad shippable boiler. 3,841,275, 10-15-74, Cl. 122-510.000.
Bisbee, John, to Itek Corporation. Telescope with inflatable door. 3,850,504, 11-26-74, Cl. 350-65.000.
Bisbing, Robert H.; and Vickers, James H., to Southco, Inc. Slam-latch. 3,841,674, 10-15-74, Cl. 292-175.000.
Bisbing, Robert H., and Vickers, James H. Slam-latch. 3,850,464, 11-26-74, Cl. 292-175.000.
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Bischoff, Dieter, to Freudenberg, Carl. Antistatic fabrics. 3,836,422, 9-17-74, Cl. 161-154.000.
Bischoff, Edward S. Apparatus for fabricating brushes having molded ends. 3,847,532, 11-12-74, Cl. 425-500.000
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Bishay, Adli; El Hamamsy, Mahmoud Aly, and Omar, Mohammed Hosny, to United States of America, Air Force. Glass showing electrical switching phenomena. 3,782,958, 1-1-74, Cl. 106-47.00r
Bishel, Robert A., to International Nickel Company, Inc., The. Weld rod containing manganese. 3,851,142, 11-26-74, Cl. 219-146.000
Bishel, Robert A., to International Nickel Company, Inc., The. Weld rod. 3,851,143, 11-26-74, Cl. 219-146.000.
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Bishop, Bill H., and Shaw, Jack R. Postal drop box. 3,854,656, 12-17-74, Cl. 232-27.000.

Bishop, Billy H. Fluid lift mechanism and underground housing. 3,788,197, 129-74, Cl. 92-77.000.
Bishop, Birgil M. Plant growth composition and structure. 3,842,537, 10-22-74, Cl. 47-37.000.
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Bishop, David Paul; and Morris, Ronald Meredith, to NV International Octrooimaatschappij "Octropa" Bis-triazine textile softeners. 3,847,915, 11-12-74, Cl. 260-248.0cs.
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Bishop, Gerald B., to Ford Motor Company. Spark timing control. 3,800,756, 4-2-74, Cl. 123-117.00a.
Bishop, Harold F.; and Deck, James R., to Exomet, Incorporated. Flexible exothermic mat comprising particulate aluminum, binders and oxidizers. 3,802,970, 4-9-74, Cl. 149-15.000
Bishop, Harry L., Jr.: *See—*
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Bishop, Harry L., Jr., to Allegheny Ludlum Industries, Inc. Process for production of stainless steel. 3,854,932, 12-17-74, Cl. 75-60.000.
Bishop, Homer L. Method of making flexible magnetic printing plates. 3,837,959, 9-24-74, Cl. 156-246.000.
Bishop, John Daniel; Kakalec, Robert John; and Miller, Gerard Edward, to Bell Telephone Laboratories, Incorporated. Frequency controlled inverter. 3,818,314, 6-18-74, Cl. 321-45.00r.
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Bishop, Robert C., and Shanbrom, Edward, to Baxter Laboratories, Inc. Thrombin assay system. 3,783,103, 1-1-74, Cl. 195-99.000
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Bishop, Thomas Desmond, to Deritend Engineering Company Limited, The. Stripping apparatus as used in the production of cardboard and like blanks. 3,834,291, 9-10-74, Cl. 93-36.00a.
Bishop, Thomas M. Stabilizer for steerable wheels of a vehicle. 3,823,957, 7-16-74, Cl. 280-94.000
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Biskup, Edward J., to General Motors Corporation. Steering mechanism for articulated vehicle. 3,828,882, 8-13-74, Cl. 180-79.20b.
Biskup, Edward J. Ball hitting practice device. 3,830,494, 8-20-74, Cl. 273-26.00e.
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Bissell, Robert Donald, and Plavcan, Edward Joseph, to Dresser Industries, Inc. Zero adjustment gauge instrument. 3,857,286, 12-31-74, Cl. 73-363.900.
Bissell, Sherman M.; De Vleg, Garrett H., and Hopland, Johan N., to Boeing Company, The. Aircraft automatic braking system having auto-brake control logic. 3,847,445, 11-12-74, Cl. 303-21.0af.
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Bissonet, Claude. Printing stamp and panel assembly. 3,839,960, 10-8-74, Cl. 101-333.000.
Bissonette, Kenton E. Free line down rigger release. 3,816,954, 6-18-74, Cl. 43-43.120
Bissonette, Vernon L., to Eastman Kodak Company. Process for developing radiation-sensitive elements. 3,826,652, 7-30-74, Cl. 96-48.0pd
Bissonette, Vernon L. Photographic elements containing color-providing layer units for amplification processes. 3,834,907, 9-10-74, Cl. 96-74.000.
Bissonette, Vernon Leon; Mowrey, Rowland George; and Sutton, Richard Calvin, to Eastman Kodak Company. Ion-paired cobaltic complexes and photographic elements containing same. 3,847,619, 11-12-74, Cl. 96-108.000
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Bissot, Thomas Charles, to Du Pont de Nemours, E. I., and Company. Aqueous ethylene terpolymer hydrosol dispersions. 3,823,108, 7-9-74, Cl. 260-27.00r
Bistline, Raymond G., Jr.; Smith, Frank D., Weil, James K.; and Stirton, Alexander J., to United States of America, Agriculture. Hexitol, glucose and sucrose esters of alpha-sulfo fatty acids. 3,808,200, 4-30-74, Cl. 260-234.00r
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Bitner, Jay A., to Ball Corporation. Fluid handling and distributing system. 3,805,821, 4-23-74, Cl. 137-255.000.

Bitsura, Michael P.; Brevko, Robert; and Palmer, Merle A., to Auburn Engineering, Inc. Shrink-wrapping method and apparatus. 3,852,937, 12n10-74, Cl. 53-29.000.

Bittel, Patricia A., to Weatherchem Corporation. Force fit plastic closure. 3,851,812, 12-3-74, Cl. 229-5.500.

Bitterli, Peter, and Kehrer, Fritz, to Sandoz Ltd. Bis-(3-iminoisoindolinone)pigments. 3,816,448, 6-11-74, Cl. 260-325.000.

Bitterlich, Johannes. Method for automatically controlling the punching of control cards for making patterned textiles in conformity with a sample design. 3,782,625, 1-1-74, Cl. 234-2.000.

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Bittern, Joseph E., to Capewell Manufacturing Company. Hole saw and quick disconnect drive therefor. 3,837,759, 9-24-74, Cl. 408-204.000.

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Bittner, Charles W., and Rexon, George F., to Precision Parts Company, Inc. Fluid dispensing nipple construction. 3,818,945, 6-25-74, Cl. 138-89.000.

Bittner, Charles W., and Rexon, George F. Apparatus for manufacturing a fluid dispensing nipple construction. 3,825,393, 7-23-74, Cl. 425-392.000.

Bittner, Herbert, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Armored tubing with helical or circular corrugation. 3,831,636, 8-27-74, Cl. 138-173.000.

Bittner, Louis M. Gear driven cylindrical drum chance device. 3,831,947, 8-27-74, Cl. 273-143.00r

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Bittner, Wolfgang; Berker, Karl-August; and Claes, Gunter, to Gunther Papenmier KG Maschinen- und Apparatebau. Mixer having a device for cooling of material to be mixed. 3,820,597, 6-28-74, Cl. 165-109.000.

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Bitzel, Hubert, to Trumpf Maschinen AG, Firma. Cutting tool having a reciprocating punch with a carrier member interconnecting a head portion and a die portion. 3,847,049, 11-12-74, Cl. 83-613.000.

Bivens, David J., to Bivens Winchester Corporation. Vehicle washing apparatus. 3,812,550, 5-28-74, Cl. 15-21.00e

Bivens, David J., to Bivens Winchester Corporation. Drive through car wash with double pivoted spring connected side brush arrangement. 3,840,931, 10-15-74, Cl. 15-21.00d.

Bivens, Donald B., Patton, Leo W.; and Wiggill, John B., to Du Pont de Nemours, E. I., and Company. Method for in situ reconditioning of iron catalyst bed. 3,794,602, 2-26-74, Cl. 252-412.000.

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Bixby, Leon C.; and Martino, Anthony J., to Hendrick Manufacturing Company. Screen having parallel slots and method of making same. 3,805,955, 4-23-74, Cl. 209-395.000.

Bixby, Willard H., to American Device Manufacturing Company. Compartment door structure. 3,834,612, 9-10-74, Cl. 232-25.000.

Bixby, William E., to Dick, A. B., Company. Method of reclaiming selenium and metal base from electrophotographic plates. 3,837,815, 9-24-74, Cl. 23-293.00r

Bixler, Antonio. Internal combustion engine. 3,828,741, 8-13-74, Cl. 123-58.0ab.

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Bizot, Jean; and Sausse, Andre, to Rhone-Poulenc S.A. Process for the regeneration of a haemodialysis liquid. 3,827,975, 8-6-74, Cl. 210-22.000.

Bizot, Jean; Courteix, Jean; and Philipot, Jean-Pierre, to Rhone-Poulenc S.A. Process for the preparation of 3,5-diiodo-4-hydroxybenzonitrile or 3-iodo-4-hydroxy-5-nitro-benzonitrile. 3,833,490, 9-3-74, Cl. 204-78.000.

Bjalme, Bengt G., to Reed Manufacturing Company. Tool for chamfering plastic pipe. 3,807,258, 4-30-74, Cl. 82-4.00c.

Bjalme, Bengt G.; and Brown, Thomas G., to Reed Manufacturing Company. Plastic pipe assembly tool. 3,831,256, 8-27-74, Cl. 29-237.000.

Bjelvert, Sven William. Receiver for a frequency-modulated electroacoustical signal having squelch means for suppressing noise when no signal is coming through the receiver. 3,790,891, 2-5-74, Cl. 325-348.000.

Bjerke, Brian Kenneth; and Siverling, Michael McHugh, to International Business Machines Corporation. Document scanner having optical diffusion means. 3,792,268, 2-12-74, Cl. 250-219.00q.

Bjerke, Harold Chr., to Elkem-Spigerverket A/S. Method and apparatus for inspection of ferro-magnetic billets. 3,845,383, 10-29-74, Cl. 324-38.000.

Bjerknes, Anders, to Staal & Stil A/S. Vertically adjustable column, particularly for chairs and the like. 3,843,271, 10-22-74, Cl. 403-104.000.

Bjorhaag, Georg. Plant for manufacturing reinforced concrete elements, preferable in the shape of a case. 3,810,726, 5-14-74, Cl. 425-111.000.

Bjork, Albion P., to Polaroid Corporation. Photoflash power supply. 3,819,983, 6-25-74, Cl. 315-238.000.

Bjork, Bengt Anders, to Domkraft AB Nike. Hydraulic garage jack. 3,786,692, 1-22-74, Cl. 74-512.000.

Bjork, Jan, to Svenska Aktiebolaget Bromsregulator. Arming device for a submersible explosive weapon. 3,782,282, 1-1-74, Cl. 102-16.000.

Bjork, Lars, and Erikson, Uno. Method of in vivo examination of organ functions. 3,824,399, 7-16-74, Cl. 250-336.000.

Bjork, Lars; Erikson, Uno Eugen; Granath, Kirsti Annikki; Ingelman, Gustav-Adolf; and Lindberg, Bernt Jabes, to Pharmacia AB. Novel iodine containing polymers useful as X-ray contrast agents. 3,852,341, 12-3-74, Cl. 260-519.000.

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Bjork, Robert M., and Bjork, Steven Robert. Boot for camper-truck combination. 3,844,603, 10-29-74, Cl. 296-23.0mc.

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Bjorkholm, John Ernst, Shank, Charles Vernon, and Sosnowski, Thomas Patrick, to Bell Telephone Laboratories, Incorporated. Planar waveguide-type distributed feedback laser with angular tuning. 3,786,368, 1-15-74, Cl. 331-94.500.

Bjorklund, Carolyn M.: *See*—
Dahlin, Erik B.; and Bjorklund, Carolyn M., 3,851,175.

Bjorklund, Knut Bertil. Process of separating human cancer antigen proteins by gel filtration. 3,823,126, 7-9-74, Cl. 260-112.00r

Bjorklund, Leon V.; and Hubbard, Richard T. Arm exercising device. 3,814,419, 6-4-74, Cl. 272-80.000.

Bjorkman, Harry K., to Udylite Corporation, The. Apparatus and method for making chlorine hydrate from high energy density battery electrolyte and chlorine. 3,783,027, 1-1-74, Cl. 136-86.00c.

Bjorkman, Harry K., to Energy Development Associates. Secondary battery comprising means for forming halogen hydrate solid bubble shells. 3,823,036, 7-9-74, Cl. 136-6.00f.

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Bjorkman, Harry K., Jr., to Occidental Energy Development Company, mesne. Filter/store for electric energy storage device. 3,814,630, 6-4-74, Cl. 136-86.00a

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Bjorn, James M., and Johnson, C. Walter. Frame for hanging folders in file cabinets. 3,788,718, 1-29-74, Cl. 312-184.000.

Bjornson, Bjorn Ove; and Stradalen, Yngve Bertil, to AB Bofors. Deflection device for rocket motor propelled projectiles. 3,850,387, 11-26-74, Cl. 244-3.220.

BK & K Enterprises, Inc. *See*—
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Blaby, Roy E.: *See*—
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Blachman, Arthur Gilbert, to International Business Machines Corporation. Multi-layer control of stress in thin films. 3,856,647, 12-24-74, Cl. 204-192.000.

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Ehrlich, Stephen Jeffrey, 3,788,049.
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Black, Archie Scott; and Feinstone, Wolffe Harry. Sunscreen preparation employing ethylenemaleic anhydride copolymers. 3,821,363, 6-28-74, Cl. 424-59.000.

Black, Arthur L., to Ingersoll-Rand Company. Coupling means. 3,808,911, 5-7-74, Cl. 74-597.000.

Black, Billy B. Tire compressing and handling apparatus. 3,822,526, 7-9-74, Cl. 53-124.00d.

Black, Billy B. Tire shipping and storage structure. 3,850,295, 11-26-74, Cl. 206-304.000

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Black, David Alexander, to Bell-Northern Research Ltd. Electronic converter with regulated output current and frequency. 3,839,668, 10-1-74, Cl. 321-21.000.

Black, David F. Mechanized van loading and unloading apparatus and system. 3,811,579, 4-21-74, Cl. 214-38.00d.

Black, Dewie E.; and Fabry, Donald F., to Burroughs Corporation. Dynamic load force calibrating system and a method for its use in a motion test system. 3,815,999, 6-11-74, Cl. 356-138.000.

Black, Dewie W., to Burroughs Corporation. Amplitude comparison circuit. 3,818,339, 6-18-74, Cl. 324-140.00r.

Black, Ernest P., to Sun Research and Development Co. Method of preparing thermoset polymer coated-wax impregnated cellulosic stock. 3,844,829, 10-29-74, Cl. 117-155.00l

Black, Floyd P. Drying apparatus for grain and the like. 3,782,004, 1-1-74, Cl. 34-174.000

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Black, Harry G.; and Christenson, Lowell B., said Christenson assor. to said Black, Harry G. Auxiliary flotation for reducing the draft of ships. 3,844,241, 10-29-74, Cl. 114-123.000.

Black, Hugh. Carrier means for automatically driven fasteners. 3,856,139, 12-24-74, Cl. 206-340.000.

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Black, James A.; and Farwell, Harry Russell. Printing press and web registry system. 3,783,059, 1-1-74, Cl. 156-64.000.

Black, James A. Printing screen coating apparatus. 3,834,348, 9-10-74, Cl. 118-323.000.

Black, James B., and Shull, Bradford K., to Twin Disc Incorporated. Gas turbine starting and auxiliary turning mechanism. 3,793,905, 2-26-74, Cl. 74-661.000.

Black, James B., to Twin Disc, Incorporated. Composite friction plate. 3,841,949, 10-15-74, Cl. 161-42.000.

Black, James M., to United States of America, National Aeronautics and Space Administration. Full-wave modulator-demodulator amplifier apparatus. 3,783,399, 1-1-74, Cl. 330-9.000.

Black, James R.; and Mattox, Robert J., to Motorola, Inc. Method of preventing a chemical reaction between aluminum and silicon dioxide in a semiconductor device. 3,825,453, 7-23-74, Cl. 156-3.000.

Black, James Whyte; Durant, Graham John; Emmett, John Colin, and Ganellin, Charon Robin, to Smith Kline & French Laboratories Limited. Method of inhibiting histamine activity with isothioureas. 3,818,097, 6-18-74, Cl. 424-273.000

Black, John W., to Pemco-Kalamazoo, Inc. Bearing assembly and method of making same. 3,807,817, 4-30-74, Cl. 308-190.000.

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Black, Robert; Provan, David; and Rainey, Christopher, to Burroughs Machines Limited. Security access medium. 3,790,754, 2-5-74, Cl. 235-61.70b

Black, Robert B. Autoclave. 3,826,612, 7-30-74, Cl. 21-94.000

Black, Robert B. Energy conversion system. 3,844,270, 10-29-74, Cl. 126-110.00r.

Black, Robert B. Gas-abrasive mixing and feeding device. 3,852,918, 12-10-74, Cl. 51-12.000.

Black, Robert Bruce. Wind-propelled apparatus. 3,831,539, 8-27-74, Cl. 114-39.000

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Black, Thomas J., to Westermann, Werner F. Centrifugal coin sorter. 3,795,252, 3-5-74, Cl. 133-3.00a

Black, Thomas J.; and Bennett, Frank L., to Universal Machine Company, Inc. Coin roll pick-up conveyor. 3,825,115, 7-23-74, Cl. 209-73.000.

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Black, William Brown. Quarl burner. 3,793,995, 2-26-74, Cl. 122-235.00b.

Black, William Brown. Jig for positioning the studs for the quarl tiles. 3,815,891, 6-11-74, Cl. 269-45.000.

Blackburn, Dale W.; Devenney, Robert F.; and Jen, Timothy Yu-Wen, to Smithkline Corporation. Imidazo and pyrimido (2,1-b) quinazolines. 3,790,573, 2-5-74, Cl. 260-256.40f.

Blackburn, Dale W., Devenney, Robert F., and Mlynarski, John J., to Smithkline Corporation. Process for preparing desacetoxycephalosporanic acids from cephalosporanic acids and palladium oxide hydrate supported on alpha-cellulose useful in the process. 3,86,704, 12-24-74, Cl. 252-430.000.

Blackburn, Jack. Methods for producing pavement-like sites. 3,802,790, 4-9-74, Cl. 404-82.000.

Blackburn, Wayne A., and Hemness, Sevall W. Fluid metering apparatus. 3,791,212, 2-12-74, Cl. 73-251.000.

Blacker, Harold F., to Campbell Soup Company. Process and apparatus for eviscerating poultry. 3,837,045, 9-24-74, Cl. 17-11.000.

Blacker, John Geoffrey; Birchall, James Derek; and Cassidy, John Edward, to Imperial Chemical Industries Limited. Compositions of complex phosphates of aluminium. 3,810,769, 5-14-74, Cl. 106-135.000.

Blackerby, Alfred A. Weighing device for movable conveyors. 3,785,447, 1-15-74, Cl. 177-119.000.

Blackett, Hill, Jr. Applicator for hair. 3,833,008, 9-3-74, Cl. 132-85.000.

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Blackley, William D.; and Berntson, Leslie G., to Minnesota Mining and Manufacturing Company. Method for improving the surface of thermoset coatings. 3,821,150, 6-28-74, Cl. 260-31.600.

Blackley, William D.; Castle, Richard B.; and Berntson, Leslie G., to Minnesota Mining and Manufacturing Company. Powdered coating composition of unsaturated glycidyl polymer containing a sulfur terminating group, dicarboxylic acid, polyester and polyacrylte. 3,857,905, 12-31-74, Cl. 260-835.000.

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Blackman, Calvin C. Coil separator. 3,782,894, 1-1-74, Cl. 432-260.000.

Blackman, Elliot S.: *See—*
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Blackmon, Charles E., Jr., to GTE Automatic Electric Laboratories Incorporated. Finger stop for a movable finger stop-type rotary dial. 3,851,113, 11-26-74, Cl. 179-90.0fw.

Blackmon, Wilbur A.: *See—*
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Blackmore, Fred N.; Blackmore, Fred N., Jr., and Trachet, John R. Method for transplanting plants. 3,799,078, 3-26-74, Cl. 111-2.000.

Blackmore, Fred N.; Blackmore, Fred N., Jr., and Trachet, John R. Apparatus for transplanting plants. 3,820,480, 6-28-74, Cl. 111-2.000.

Blackmore, Fred N., Jr.: *See—*
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Blackstein, Frederick Paul, to Atomic Energy of Canada, Limited. Thermally actuated and thermally sealed valve. 3,782,681, 1-1-74, Cl. 251-11.000.

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Blackwelder, Charlie B. Lifting device. 3,806,191, 4-23-74, Cl. 294-15.000.

Blackwelder, Maurice W., to Owens-Illinois, Inc. Method for the treatment of a crazed surface of a web expanded polystyrene 3,851,039, 11-26-74, Cl. 264-321.000.

Blackwell, Frederick B.: *See—*
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Blackwell, James Brian; Killen, Dennis; and Hodgson, Victor Francis, to Unifoam A.G. Apparatus for the continuous production of strands of polymeric foam. 3,809,512, 5-7-74, Cl. 425-4.00c.

Blackwell, James Brian; Killen, Dennis; and Hodgson, Victor Francis. Method of producing a flat top slab of foamed polyurethane. 3,812,227, 5-21-74, Cl. 264-54.000.

Blackwell, Jennings P., to Phillips Petroleum Company. Preparation of arylene sulfide polymer coating dispersion containing fluoracarbon polymer. 3,799,454, 3-26-74, Cl. 241-16.000.

Blackwell, Jennings P., to Phillips Petroleum Company. Hot water surface treatment of aluminum substrate. 3,801,379, 4-2-74, Cl. 148-6.270.

Blackwell, Jennings P., to Phillips Petroleum Company. Arylene sulfide polymer coating compositions. 3,856,560, 12-24-74, Cl. 117-132.00b.

Blackwell, Jennings P., to Phillips Petroleum Company. Incorporation of high molecular weight fluorocarbon polymer in arylene sulfide polymer. 3,856,735, 12-24-74, Cl. 260-29.60f.

Blackwell, John, to Du Pont de Nemours, E. I., and Company. Blue disperse 1,4-diaminoanthraquinone-2,3-dicarboximide dyes. 3,835,155, 9-10-74, Cl. 260-326.00c.

Blackwell, Lyman L., to Soiltest, Inc. Apparatus for determination of the density of in-place materials by measurement of their dielectric strength. 3,784,905, 1-8-74, Cl. 324-61 0qs.

Blackwell, Robert E., to Westinghouse Electric Corporation. Flow meter. 3,788,141, 1-29-74, Cl. 73-194.00b.

Blackwell, Robert J.; Kehn, Donald M.; and Whitney, Thomas A., to Esso Production Research Company. Hydraulic fracturing method using gelled hydrocarbons. 3,846,310, 11-5-74, Cl. 252-8.55r.

Blackwell, William L. Tap arrangement useful with measuring means. 3,782,407, 1-1-74, Cl. 137-317.000.

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Blackwood, Henson U. Chain link shackle. 3,817,028, 6-18-74, Cl 59-86.000.

Blackwood, Jack R., to Howmedica, Inc. Stoma drainage appliance. 3,826,262, 7-30-74, Cl. 128-283.000.

Blackwood, Robert K.; and Stephens, Charles R., Jr., to Pfizer Inc. 4-Oxo-4-dedimethylaminotetracycline-4,6-hemiketals. 3,824,285, 7-16-74, Cl. 260-559.0at.

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Blagdon, Peter A.; Malzahn, Wayne R.; and Fujiwara, Huygene K., to Ralston Purina Company. Fortified snack process and product. 3,849,582, 11-19-74, Cl. 426-152.000.

Blaha, Eli W.; and Kurasiewicz, Adam S., to Standard Oil Company. Preparation of 2-hydrocarbyldithio-5-mercapto-1,3,4-thiadiazoles by thiohydrocarbyl exchange. 3,840,549, 10-8-74, Cl. 260-302.0sd.

Blahak, Johannes, Muller, Erwin; Kleimann, Helmut; and Muhlhausen, Cornelius, to Bayer Aktiengesellschaft. Polyethers containing terminal amino groups. 3,808,250, 4-30-74, Cl. 260-455.00r

Blahak, Johannes; Muller, Erwin; and Kleimann, Helmut, to Bayer Aktiengesellschaft, mesne. Aromatic diamines. 3,817,940, 6-18-74, Cl. 260-77.5am.

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Blahak, Johannes, to Bayer Aktiengesellschaft. Process for the production of nitrodiphenyl amine derivatives. 3,847,990, 11-12-74, Cl. 260-576.000.

Blahut, Donald Edgar, to Bell Telephone Laboratories, Incorporated. Adaptive delta modulation decoder. 3,784,922, 1-8-74, Cl. 329-104.000.

Blahut, Donald Edgar; Friedman, Stanley Joel; and Nash, Donald Henry, to Bell Telephone Laboratories, Incorporated. Centralized network for a telephone station system. 3,819,877, 6-25-74, Cl. 179-170.00r

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Blair, Boyd C., to Brackett Stripping Machine Co., Inc. Glue applying device. 3,788,270, 1-29-74, Cl. 118-5.000.

Blair, Boyd C., to Brackett Stripping Machine Co., Inc. Binding apparatus. 3,804,694, 4-16-74, Cl. 156-477.00b.

Blair, Bruce A.; and Stevens, Roger H., to International Farm Systems, Inc. System for feeding and maintaining animals in a confined environment. 3,802,390, 4-9-74, Cl. 119-16.000.

Blair, Bruce A., to International Farm Systems Inc. Structural support apparatus. 3,815,548, 6-11-74, Cl. 119-16.000.

Blair, Bryce Wilson, to AMP Incorporated. Card reader having automatic card positioning means. 3,850,426, 11-26-74, Cl. 271-238.000.

Blair, Calvin B. tillage apparatus. 3,826,315, 7-30-74, Cl. 172-514.000.

Blair, Calvin B. Fertilizer dispenser. 3,854,429, 12-17-74, Cl. 111-7.000.

Blair, David. Three wheeled automotive vehicular construction. 3,826,326, 7-30-74, Cl. 180-25.00r.

Blair, David E., to Du Pont de Nemours, E. I., and Company. Capillary viscometer. 3,808,877, 5-7-74, Cl. 73-55.000.

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Blair, Edgar A., to Princeton Polymer Sponge Corporation. Hydrophilic polyester urethane foam. 3,806,474, 4-23-74, Cl. 260-2.5ag.

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Blair, Edgar Allan; and Hudgin, Donald Edward, to Frigitronics, Inc., mesne. Polyurethane polymers for use in soft lenses and method of producing soft lenses. 3,786,034, 1-15-74, Cl. 260-77.5aq.

Blair, Edgar Allan, and Hudgin, Donald Edward, to Princeton Polymer Laboratories, Inc. Hydrophilic polyurethane polymers. 3,822,238, 7-2-74, Cl. 260-75.0nk.

Blair Engineering, Inc.: *See—*
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Blair, G. Richard, and Elam, Michael R., to Hughes Aircraft Company. Coated wire and method. 3,801,367, 4-2-74, Cl. 117-231.000.

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Blair, Rhio H., to Blalock, Edwin O. Fragrance-imparting laundering composition. 3,790,484, 2-5-74, Cl. 252-89.000.

Blair, Richard F.; Hill, Roger J.; and Le May, Dan B., to Tylan Corporation. Flow splitter. 3,792,609, 2-19-74, Cl. 73-205.00r.

Blair, Robert H., to Resistance Welder Corporation. Seam welding method. 3,823,300, 7-9-74, Cl. 219-83.000.

Blair, Samuel Darrell, to International Business Machines Corporation. Adhesively eradicable transfer medium. 3,825,437, 7-23-74, Cl. 117-36.100

Blair, William G., to Blair Engineering, Inc. Throttle valve. 3,853,146, 12-10-74, Cl. 137-625.300

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Blais, Maurice E., to General Electric Company. Cordset hank and wrap. 3,796,304, 3-12-74, Cl. 206-328.000

Blais, Pierre J.J.B., Carlsson, David J., and Wiles, David M., to Canadian Patents and Development Limited. Bonding condensation polymers to polymeric base materials. 3,829,324, 8-13-74, Cl. 117-47.00a

Blaise, Henri; Carre, Bernard; Meyer, Jacques, Prablanc, Marc; and Thomas, Philippe, to Produits Chimiques Pechiney-Saint-Gobain. Preparation of copolymerizable unsaturated polyester resins. 3,822,325, 7-2-74, Cl. 260-861.000.

Blaivas, Murray Aaron, to Hoffmann-La Roche Inc. Blood collection container. 3,786,985, 1-22-74, Cl. 233-26.000

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Blake, David E., to Electroprint, Inc. Contact-transfer electrostatic printing system. 3,811,765, 5-3z-74, Cl. 355-3.00r

Blake, David Edward, to Electroprint, Inc. Toner fixing method and apparatus. 3,827,855, 8-6-74, Cl. 432-60.000

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Blake, Jack W., to Jacobs, F. L., Co. Ash receptacle for automobiles. 3,825,314, 7-23-74, Cl. 312-245.000.

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Blakey, Alexander G. Measuring and locating system components. 3,846,917, 11-12-74, Cl. 33-180.00r

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Blanchard, Roger H.; and Clark, Charles R., to Parker-Hannifin Corporation. Aerial refueling nozzle. 3,851,852, 12-3-74, Cl. 251-149.100
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Blenkarn, Kenneth A., to Amoco Production Company. Underwater buoy for a riser pipe. 3,855,656, 12-24-74, Cl. 9-8.00r.

Blessing, Jerry A., to BLT Industries. Tire tool. 3,852,839, 12-10-74, Cl. 7-8.000.

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Blevens, Bertram G. Braking system. 3,842,946, 10-22-74, Cl. 188-24.000.

Blevins, Maurice B., to Deering Milliken Research Corporation. Method and apparatus for detecting flaws in a fabric web 3,783,296, 1-1-74, Cl. 250-572.000.

Blevins, Maurice E. Method of translating the location of a predetermined position on one side of a substantially nonferrous structural barrier of a building to an opposite side of said barrier. 3,836,848, 9-17-74, Cl. 324-67.000.

Blewett, John H.; and Naumann, Harry K., to Western Electric Company, Incorporated. Apparatus for applying liquid to articles without touching the articles. 3,785,341, 1-15-74, Cl. 118-421.000.

Blewitt, Donald D., to Westinghouse Electric Corporation. Dropout fuse assembly including improved current limiting fuse structures 3,801,946, 4-2-74, Cl. 337-175.000.

Blewitt, Donald D.; and Cameron, Frank L., to Westinghouse Electric Corporation. Electric fuse with improved casing. 3,801,947, 4-2-74, Cl. 337-246.000.

Blewitt, Donald D., to Westinghouse Electric Corporation. High voltage current limiting fuse including heat removing means. 3,810,063, 5-7-74, Cl. 337-166.000.

Blewitt, Donald D., to Westinghouse Electric Corporation. Electric fuse with trip device. 3,825,871, 7-23-74, Cl. 337-171.000.

Blewitt, Donald D.; Cameron, Frank L.; and Vondracek, Charles H., to Westinghouse Electric Corporation. Fuse housing construction utilizing extruded terminals and process for making same 3,829,808, 8-13-74, Cl. 337-106.000.

Blewitt, Donald D.; and Shaw, Woodrow G., to Westinghouse Electric Corporation. Current limiting fuse. 3,849,754, 11-19-74, Cl. 337-231.000.

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Bley, Erich. Rotatable resilient punch and die cutter apparatus 3,827,321, 8-6-74, Cl. 83-117.000.

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Blickensderfer, Robert; and Blickensderfer, Robert, III. Tire traction device. 3,827,473, 8-6-74, Cl. 152-218.000

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Bliemeister, Robert M., to Allis-Chalmers Corporation. Support bearing and assembly for rotary kilns. 3,785,711, 1-15-74, Cl. 308-237.00r.

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Bligh, Bernard Ramsay. Process of continuous distillation. 3,813,890, 6-4-74, Cl. 62-40.000

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Blinov, Boris Vladimirovich, and Kukhar, Vasily Valentinovich. Copper-base alloy for high precision resistors. 3,847,602, 11-12-74, Cl. 75-161.000.

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Bliss, Arthur E., and Kenny, Philip C., to Varian Associates. Interface for computer and print out system for automatic step and line sync command to printer. 3,852,521, 12-3-74, Cl. 178-5.000.

Bliss, Burit E., Dervan, James T., III, Griffith, Leroy E., Pung, Bruce D., Thorpe, Robert A., and Vogel, Norman A., to International Business Machines Corporation. Multiplexed intelligence communications. 3,798,610, 3-19-74, Cl. 340-172.500

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Blitch, James A. Engine intake air moisturizer. 3,834,360, 9-10-74, Cl. 123-25.00a

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Bloch, Bertrand M., to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O N E R A). Polyquinazolines and their method of manufacture. 3,826,783, 7-30-74, Cl. 260-47.0ez.

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Blomstrom, Gary D., Butler, Carl T., Kostas, James M.; May, Czeslaw J.; Nesbit, Robert D., and Papasideris, Stamos I., to Caterpillar Tractor Company. Final drive decoupling and parking brake arrangement for hydrostatic loader. 3,800,901, 4-2-74, Cl. 180-9620.

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Blonar, James A. Body tilting mechanism. 3,820,809, 6-28-74, Cl. 280-91.000.

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Bloom, Joseph Louis, to Lucas, Joseph, (Industries) Limited. Speed responsive governor mechanisms. 3,857,291, 12-31-74, Cl. 73-541.000.

Bloom, Leonard, 2/3 to Rebold, Jerome I. Electric douche. 3,794,031, 2-26-74, Cl. 128-230.000.

Bloom, Melvin S.; and Fico, Sally S., to Eastman Kodak Company. Photosensitive material comprising polyacetylenic amine salts. 3,844,791, 10-29-74, Cl. 96-88.000.

Bloom, Milton W., to Donlee Manufacturing Industries Limited. Child's safety seat. 3,819,230, 6-25-74, Cl. 297-250.000

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Bloom, Stanley M., to Polaroid Corporation. Optical lens elements having infrared absorber. 3,850,502, 11-26-74, Cl. 350-2.000.

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Bloomfield, David P.; Hassett, Neil A., and Stedman, James K., to United Aircraft Corporation. Regenerative fuel cell. 3,839,091, 10-1-74, Cl. 136-86.00r.

Bloomfield, Francis Richard, and Cooper, Gordon Davis, to Soag Machinery Ltd. Low pressure die casting apparatus. 3,823,760, 7-16-74, Cl. 164-113.000.

Bloomfield, Jack; Branton, Paul, and Grange, Kenneth, to British Railways Board. Support systems for the seated human body. 3,794,382, 2-26-74, Cl. 297-457.000

Bloomfield, Jordan J. *See*—
Owsley, Dennis C.; and Bloomfield, Jordan J., 3,803,215.

Bloomfield, Roger D.: *See*—
Werner, Frank D., and Bloomfield, Roger D., 3,853,546.

Bloomfield, Roger D., to Uniflo Systems Company. Valve for levitated vehicle track. 3,788,231, 1-29-74, Cl. 104-23.0fs

Bloomfield, Roger D., to Werner, Frank D. Lock bar type edge fastener for flexible covers. 3,805,873, 4-23-74, Cl. 160-392.000

Bloomingdale, Jack W. Safety plug. 3,838,385, 9-24-74, Cl. 339-196.00a.

Bloomquist, George W., to FMC Corporation. Fluid delivery and vapor recovery apparatus. 3,825,045, 7-23-74, Cl. 141-198.000

Bloomquist, Orville E. Vertical take-off and landing aircraft. 3,823,897, 7-16-74, Cl. 244-12.00r

Blore, James H., and Balcombe, Bobby L., to Phillip Fibers Corporation. Double knit fabric. 3,808,843, 5-7-74, Cl. 66-196.000

Blore, William E.; Zivanovic, Srbislav V., and Charest, Bernard, to United States of America, Air Force. Pulsed doppler radar. 3,798,643, 3-19-74, Cl. 343-8.000.

Bloscop. *See*—
Blosse, Jean Charles Joseph, 3,833,899

Bloss, Karl H., and Molketin, Harald, to PPG Industries, Inc. Method for increasing rate of coating using vaporized reactants. 3,852,098, 12-3-74, Cl. 117-106.00r.

Blosse, Jean Charles Joseph, to Bloscop. Device for actuating an alarm in the case of breaking in. 3,833,899, 9-3-74, Cl. 340-274.000.

Blosser, Nelson K. Salt removal spray device. 3,795,254, 3-5-74, Cl. 134-123.000

Blosser, Robert L., and Cranney, William D., to Sperry Rand Corporation. Microfiche storage and display unit. 3,834,799, 9-10-74, Cl. 353-27.000.

Blosser, Robert W. *See*—
Richard, Gordon L., and Blosser, Robert W., 3,804,734

Blosser, Robert W., and Richard, Gordon L. Method for reducing embrittlement condition of metal. 3,817,849, 6-18-74, Cl. 204-157.100

Blossey, Robert G., and Ostrowski, Edward J., to National Steel Corporation. Feed tip for continuous casting machine. 3,799,410, 3-26-74, Cl. 222-566.000

Blossom, James H. *See*—
Crossland, Edward J., Blossom, James H., and Krasin, Lester O., 3,812,462

Blouch, John H., to Sycamore Manufacturing Company, Inc. Apparatus for lining bottle crowns with thermoplastic material. 3,827,843, 8-6-74, Cl. 425-127.000

Blouch, Roger D., to International Mobile Machines Corporation. Ringer blocking attachment for telephones. 3,829,616, 8-13-74, Cl. 179-2.00a

Blouch, Roger D., to International Mobile Machines Corporation. Duplexer type radio-telephone data receiver and transmission system. 3,840,811, 10-8-74, Cl. 325-55.000

Blouet, Jean. *See*—

Courcier, Francois; Blouet, Jean; Courtel, Robert; and Risler, Francis, 3,816,309

Blough, Jacob M., Jr., to Ametek, Inc. Pressure gauge assembly. 3,803,918, 4-16-74, Cl. 73-420.000.

Blough, Roger D., to International Mobile Machines Corporation. Portable tone decoder-encoder system. 3,824,465, 7-16-74, Cl. 325-16.000.

Blough, Ronald S., to Fairfield Engineering and Manufacturing Company. Floating apparatus for liquid composting. 3,810,548, 5-14-74, Cl. 210-242.000.

Blount & George, Inc.: *See*—
Hogan, William M., 3,790,277.

Blount, Eric Albert, to Marconi Company Limited, The. Tracker ball arrangements. 3,789,218, 1-29-74, Cl. 250-231.0se.

Blount, R. E.: *See*—
Stacha, Joe, Jr., 3,818,438.

Blower Application Company: *See*—
Panning, Martin H., 3,815,521.

Blower, Howard E.: *See*—
Evans, Ralph E.; and Blower, Howard E., 3,815,213.

Blower, Warren A.: *See*—
Shields, Robert G., Blower, Warren A., and Hatch, Edmond K., 3,794,103

Blower, Warren A.; and Scott, Allen R., to Sherwin-Williams Company, The. Lubricating device. 3,850,265, 11-26-74, Cl. 184-7.00d

Blowitz, Milroy R. *See*—
Coggeshall, John C., 3,785,772.

Blowsky, Frank C., to Mestre, Luis, Development Corporation. Rotary collator with sheet clamping means. 3,796,422, 3-12-74, Cl. 270-58.000

Bloxom, C. W. Level. 3,783,525, 1-8-74, Cl. 33-379.000

Bloxom, David E., to Speed Fab-Crete Corporation. Deck panel for roof and floor structures. 3,848,381, 11-19-74, Cl. 52-236.000

Bloxsom, Joseph Thomas, to Lemay, A., Co., Inc. Contour grinder. 3,786,600, 1-22-74, Cl. 51-101.01g.

Blozis, Peter P. *See*—
Skubic, Leroy F.; and Blozis, Peter P., 3,853,072
Skubic, Leroy F.; and Blozis, Peter P., 3,855,944

BLT Industries. *See*—
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Blu, Gilbert. *See*—
Lazarre, Flavien; Rozand, Jacques; Blu, Gilbert, and Bimond, Jean-Pierre, 3,833,335

Blu-Ray, Incorporated. *See*—
Ackermann, Carl A., and McPherson, Patrick F., 3,804,515

Blucher, Joseph T., and Dalrymple, Donald D., to Industrial Materials Technology, Incorporated. Apparatus for production of metal powder from wire stock. 3,830,603, 8-20-74, Cl. 425-3.000

Blue Bell, Inc. *See*—
Bryan, Carney J., and Ful, James B., 3,794,230
Bryan, Carney J., 3,854,430
Carson, Charles F., Bryan, Carney J., and Birdsong, Fred, 3,789,781

Blue Bell Inc., mesne. *See*—
Miller, Roy E., 3,825,250

Blue, Donald E., to Caterpillar Tractor Company. Tooth forming machine. 3,818,736, 6-25-74, Cl. 72-88.000

Blue, Frank L.: *See*—
Mozina, Henry F., and Blue, Frank L., 3,836,093

Blue, J. E., and Pruitt, J. G., to United States of America, Navy. Sonar signal processing and display technique. 3,845,462, 10-29-74, Cl. 340-3.00r

Blue M Electric Company. *See*—
Lawler, Joseph A., 3,807,383

Blue Ribbon Industries, Inc. *See*—
Baillie, William R., 3,855,413

Blue Valley Machine and Manufacturing Company. *See*—
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Bluestein, Claire, Rosenblatt, William, and Clark, John R., to Witco Chemical Corporation. Accelerated process for diaryl sulfone glycidyl ethers. 3,790,602, 2-5-74, Cl. 260-348.600

Bluestone, Henry, and Osgood, Edmond R., to Diamond Shamrock Corporation. Process for preparing 2,5-hexanedione. 3,819,714, 6-25-74, Cl. 260-595.000

Blum, Albert. Alignment means for an immersible pump. 3,797,970, 3-19-74, Cl. 417-360.000.

Blum, Albert. Submersible pump assembly. 3,802,806, 4-9-74, Cl. 417-424.000.

Blum, Albert. Submersible pump. 3,810,718, 5-14-74, Cl. 417-360.000.

Blum, Alex, to Sprecher & Schuh AG. Alternating-current protective device. 3,813,621, 5-28-74, Cl. 335-99.000

Blum, Alvin S., to Products International Incorporated. Identification system. 3,820,072, 6-25-74, Cl. 340-149.00a.

Blum, Incorporated. *See*—
Kowalyk, Richard J., 3,821,850

Blum, Jacques. *See*—
Berthet, Aristide, and Blum, Jacques, 3,856,182

Blum, Joseph M.; and Shih, Kwang K., to International Business Machines Corporation. Liquid phase epitaxy of $Al_xGa_{1-x}As$. 3,846,191, 11-5-74, Cl. 148-172.000

Blum, Julius A. Knockdown winch assembly for mounting upon a power driven vehicle wheel. 3,784,164, 1-8-74, Cl. 254-166.000

Blum, Marshall R. Container with removable pump. 3,844,452, 10-29-74, Cl. 222-321.000.

Blum, Paul, to Transnucleaire, Societe pour les Transports de l'Industries Nucleaire. Packaging for the transportation of radioactive materials. 3,845,315, 10-29-74, Cl. 250-506.000

Blum, Raymond T.; and Laughman, George J., to Bausch & Lomb Incorporated. Optical lens generating machine having spherical bearing workpiece holder. 3,828,483, 8-13-74, Cl. 51-124.001.

Blum, Raymond T., and Laughman, George J. Spherical bearing workpiece holder in an optical lens generating machine. 3,830,021, 8-20-74, Cl. 51-216.0tp.

Blum, Robert, to Coin Security Corporation, The. Vandal-proof central coin receptacle. 3,833,104, 9-3-74, Cl. 194-1.00b

Blum, Rudolf, to Triumph Werke Nuernberg, A.G. Repeat mechanism for a printer. 3,814,228, 6-4-74, Cl. 197-16.000

Blum, Rudolf, to Triumph Werke Nuernberg A.G. Keyboard controlled encoding mechanism. 3,817,366, 6-18-74, Cl. 197-16.000

Blum, Rudolf, to Triumph Werke Nuernberg A.G. Character storage arrangement for a powered typewriter action. 3,827,542, 8-6-74, Cl. 197-16.000.

Blumberg, Harold, to Endo Laboratories, Inc., mesne. Certain indolobenzazepine derivatives as analgesics. 3,790,675, 2-5-74, Cl. 424-20.300.

Blumberg, Randolph. Pipeline anchoring systems. 3,841,106, 10-15-74, Cl. 61-72.300

Blumbergs, John H., and Finley, Joseph H., to FMC Corporation. Method of producing the trisodium salt of carboxy Methyloxysuccinic acid. 3,821,296, 6-28-74, Cl. 260-535.00p

Blumcraft of Pittsburgh. *See*—
Horgan, William J., Jr., 3,811,176.
Horgan, William J., Jr., 3,828,394
Horgan, William J., Jr., 3,828,592

Blume, Peter, to U.S. Philips Corporation. Spring-driven printing hammer arrangement. 3,804,009, 4-16-74, Cl. 101-93.00c

Blume, Roe Calvin, to Du Pont de Nemours, E. I., and Company. Reaction of allenic hydrocarbon with formaldehyde under nonacidic conditions to produce an unsaturated alcohol. 3,806,551, 4-23-74, Cl. 260-638.00r.

Blume, William M., to Westvaco Corporation. Method and apparatus for feed-forward control of wood pulp refiners. 3,816,241, 6-11-74, Cl. 162-198.000

Blumel, Harald. *See*—
Maass, Gunter, Engel, Federico, Bernemann, Paul, and Blumel, Harald, 3,849,363.

Blumenfeld, Charles M.; and Winterling, Arthur N. Swimming pool leaf trap. 3,839,749, 10-8-74, Cl. 4-172.000

Blumenfeld, Samuel M. *See*—
Wilson, Ronald H., Blumenfeld, Samuel M., Redington, Rowland W., and Roszcak, Joseph S., 3,786,294

Blumenkranz, James J., and Putzier, Charles W., to Sloane, R & G, Manufacturing Company, Inc. Reinforced plastic pipe fittings. 3,850,459, 11-26-74, Cl. 285-156.000

Blumenthal, Ernesto. Overhead door. 3,849,937, 11-26-74, Cl. 49-205.000

Blumenthal, Guenter, and Krohm, Reinold, to Kloeckner-Werke AG. Travelling mine roof support with scraper conveyor for use with mechanical mining apparatus. 3,842,966, 10-22-74, Cl. 198-126.000

Blumenthal, Jack L., and Guth, Eugene D., to TRW Inc. Catalyst for the spontaneous decomposition of monopropellant hydrazine. 3,846,339, 11-5-74, Cl. 252-438.000.

Blumenthal, Oreste, to S.p.A. Giuseppe Ratti Industria Ottica. Flexible rod for spectacle frames. 3,796,482, 3-12-74, Cl. 351-114.000

Blumenthal, Stanley P., Krasnick, Solomon, and Gillespie, Gerald W., to Tel-A-Dex Corporation. Instore information dispensing system. 3,792,437, 2-12-74, Cl. 340-152.00r

Blumer, John E. *See*—
Lorenc, Allan L., and Blumer, John E., 3,790,090

Blumke, Eugene G., and Bergan, Kenneth N., to Control Data Corporation. Data entry device. 3,815,127, 6-4-74, Cl. 340-365.00s

Blumle, Leo J. *See*—
Ferrari, Andres, Blumle, Leo J., and Bonar, Laurence C., 3,834,821.
Hurtig, Carl R., Kent, Robert L., and Blumle, Leo J., 3,848,633

Blumrich, Josef F., to United States of America, National Aeronautics and Space Administration. Omnidirectional wheel. 3,789,947, 2-5-74, Cl. 180-79.300

Blundell, Bill J. *See*—
Hyden, Alsie G., and Blundell, Bill J., 3,831,652

Blundell, Thomas. *See*—
Colchester, John Edward, and Blundell, Thomas, 3,787,426
Colchester, John Edward, and Blundell, Thomas, 3,790,585

Blunden, Donald J., to Whitehead & Kales Company. Loading and securement system for rail cars. 3,797,410, 3-19-74, Cl. 105-368.00r

Blunden, Donald J.; and Peisner, Israel D., to Whitehead & Kales Company. Tie-down system for rail cars. 3,844,228, 10-29-74, Cl. 105-36.0bt.

Blunden, Donald J.; and Peisner, Israel D., to Whitehead & Kales Company. Tie-down and locking system. 3,854,424, 12-17-74, Cl. 105-368.00t.

Blundin, Albert R., to U.S. Pencil and Stationary Co. Cylindrical object dispenser having recipricating trap chamber. 3,817,424, 6-18-74, Cl. 221-175.000.

Blunt, Geoffrey Vincent Dallow; and Hodges, Newton John, to Coal Industry (Patents), Limited. Plastics compositions. 3,793,276, 2-19-74, Cl. 260-28.000.

Blunt, Harry W., to Hercules Incorporated. Method of preparing small particles of a solid polymer. 3,847,886, 11-12-74, Cl. 260-89.100.

Bluntzer, Rene, to Ameco S.A. Silo filling arrangement. 3,826,385, 7-30-74, Cl. 214-17.0ca.

Blurton, Keith F.: *See*—
Oswin, Harry G.; and Blurton, Keith F., 3,824,167.
Oswin, Harry G.; and Blurton, Keith F., 3,824,168.

Blurton, Leon C.; and Cina, Saverio J., to Global Marine Inc. Air cushion vehicle. 3,783,627, 1-8-74, Cl. 61-46.500.

Blurton, Leon C.; and Cina, Saverio J., to Global Marine Inc. Air cushion vehicle. 3,844,126, 10-29-74, Cl. 61-46.500.

Blust, Henry Leo, and Lindburg, Norman Lee, to RCA Corporation. Plug sealing of hermetic enclosures. 3,826,634, 7-30-74, Cl. 65-34.000.

Blustain, Stanley, to Stam Instruments Corp. Method for cleaning resilient webs. 3,829,328, 8-13-74, Cl. 134-1.000.

Bluthardt, Eberhard; Hoschele, Werner; and Spinner, Walter, to Hofliger & Karg. Apparatus for processing and storing rod-shaped dough. 3,817,369, 6-18-74, Cl. 198-44.000.

Bluttell, Victor Frederick, to Linolite Limited. Tubular lamp fittings. 3,792,247, 2-12-74, Cl. 240-51.11r.

Blymiller, Arthur L., and Snodgrass, John E., to United States of America, Air Force. Instantaneous signal resolution system. 3,787,864, 1-22-74, Cl. 343-113.00r.

Blymiller, Arthur L., and Snodgrass, John E., to United States of America, Air Force. Frequency discriminator device. 3,789,399, 1-29-74, Cl. 343-14.000.

Blytas, George C., to Shell Oil Company. Styrene separation from ethylbenzene. 3,801,664, 4-2-74, Cl. 260-669.00a.

Blytas, George C., to Shell Oil Company. Concentrated cuprous nitrate/propionitrile solutions as complexing agents for olefin separations. 3,801,666, 4-2-74, Cl. 260-677.00a.

Blytas, George C., to Shell Oil Company. Separation of closely related aliphatic hydrocarbons with cation-exchanged offretite zeolite. 3,836,455, 9-17-74, Cl. 208-310.000.

Blyth, James: *See*—
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Blythe, Alan Avery; and Grace, Michael Edward, to Hawker Siddeley Aviation Limited. Aircraft. 3,806,068, 4-23-74, Cl. 244-53.00r.

Blzig, Karl F.; and Junginger, Klaus, to Original Hanau Quarzlampen GmbH. Light fixture having gimballed open ring carrying focused light pipe outlets. 3,786,243, 1-15-74, Cl. 240-1.400.

BMR Security Products Corporation: *See*—
Walters, Russell W., 3,808,850.
Walters, Russell W., 3,827,266.
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Boadle, Robert: *See*—
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Boalen, Kenneth C.: *See*—
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Board, Kenneth, to U.S. Philips Corporation. Semiconductor devices. 3,836,988, 9-17-74, Cl. 357-3.000.

Board of Regents: *See*—
Browner, Richard F.; Winefordner, James D., and Glenn, Tom H. (said Browner and said Winefordner assors. to), 3,786,308.

Board, Richard G., and Shapiro, Nelson H. Retractable safety belts. 3,817,473, 6-18-74, Cl. 242-107.200.

Board, Richard G.; and Shapiro, Nelson H. Retractable safety belt. 3,817,474, 6-18-74, Cl. 242-107.200.

Board, Richard G. Board-type game apparatus employing playing pieces with sets of indicia thereon. 3,817,524, 6-18-74, Cl. 273-94.00r.

Boardman, Alan Stanley, to Oliver Machinery Company Limited, The. Roll-forming machines. 3,796,081, 3-12-74, Cl. 72-181.000.

Boardman, Albert. Aging calculator. 3,831,819, 8-27-74, Cl. 235-8.800.

Boardman, Charles E., and Germer, John H., to United States of America, Atomic Energy Commission. Helical coil heat exchanger. 3,805,890, 4-23-74, Cl. 165-163.000.

Boardman, Charles Robert, to United States of America, Atomic Energy Commission. Method for interconnecting nuclear chimneys. 3,814,185, 6-4-74, Cl. 166-247.000.

Boardman Company, The: *See*—
Frye, James A., and Morton, Ralph B., 3,767,161.
Frye, James A., and Morton, Ralph B., 3,825,230.
Frye, James A.; and Morton, Ralph B., 3,840,155.

Boardman, H. L., Inc.: *See*—
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Boardman, Harry Lynn, to Boardman, H. L., Inc. Apparatus and methods for recording acceleration. 3,782,204, 1-1-74, Cl. 73-492.000.

Boardman, John D.: *See*—
Reynolds, George O., Boardman, John D.; and Smith, Albert E., 3,802,784.

Boari, Gianfranco, to Consiglio Nazionale Delle Ricerche. Method for removing sulfate and bicarbonate ions from sea water or brackish water through the use of weak anionic exchange resins containing amino groups of the primary and secondary type. 3,842,002 10-15-74, Cl. 210-32.000.

Boassy, Emil J.: *See*—
Shanni, Vincent, and Boassy, Emil J., 3,812,633.

Boaz, Donald P. Silicate polymer vehicles for use in protective coatings and process of making. 3,832,204, 8-27-74, Cl. 106-287.0se.

Boaz, Edward G. Self-energizing and self-aligning double-acting brake assembly. 3,828,895, 8-13-74, Cl. 188-77.00r.

Boaz, Fred: *See*—
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Boaz, Premakaran T.; and Surowiec, Roman, to Ford Motor Company. Heatable laminated windshield construction. 3,790,752, 2-5-74, Cl. 219-522.000.

Boaz, Virgil L.: *See*—
Thomas, Michael W., and Boaz, Virgil L., 3,827,018.

Boaz, Virgil L., to Westinghouse Electric Corporation. Transformer having magnetic shields. 3,821,677, 6-28-74, Cl. 336-84.000.

Bobard, Emile, to Bobard Jeune. Self-propelled vehicle with wheel gauge adjustable during operation. 3,820,615, 6-28-74, Cl. 180-1.00f.

Bobard, Emile. Tractor-set resulting from the coupling of a tractor to a straddle tractor, able to be driven by a single driver. 3,828,871, 8-13-74, Cl. 180-1.00f.

Bobard Jeune: *See*—
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Bobb, John S. Stephen: *See*—
Weldes, Helmut H., Bobb, John S. Stephen, and Derolf, M. Robert, 3,819,392.

Bobb, Lloyd J., 1/2 to Pond, Chester C. Speaker system and electrostatic speaker. 3,783,202, 1-1-74, Cl. 179-111.00r.

Bobb, Lloyd J., to Pond, Chester C. Electroacoustic transducer especially electrostatic speakers and systems. 3,821,490, 6-28-74, Cl. 179-111.00r.

Bobbitt, Charles R., to Honeywell Information Systems, Inc. Dual channel, dual potential open-circuit test apparatus. 3,792,349, 2-12-74, Cl. 324-51.000.

Bobbitt, Charles R. Continuity testing of solid state circuitry during temperature cycling. 3,842,346, 10-15-74, Cl. 324-73.00r.

Bobeck, Andrew Henry, to Bell Telephone Laboratories, Incorporated. Magnetic single wall domain expansion circuit. 3,786,453, 1-15-74, Cl. 340-174.0tf.

Bobeck, Andrew Henry, to Bell Telephone Laboratories, Incorporated. Integrated bubble expansion detector and dynamic guard rail arrangement. 3,810,132, 5-7-74, Cl. 340-174.0eb.

Bobeck, Andrew Henry, and Danylchuk, Iryne, to Bell Telephone Laboratories, Incorporated. Magnetic domain replicator arrangement. 3,810,133, 5-7-74, Cl. 340-174.0tf.

Bobeck, Andrew Henry, to Bell Telephone Laboratories, Incorporated. Magnetic domain propagation arrangement having channels definyd by straight line boundaries. 3,811,120, 5-14-74, Cl. 340-174.0tf.

Bobeck, Andrew Henry, Ciak, Frank John, and Strauss, Walter, to Bell Telephone Laboratories, Incorporated. Magnetic domain detector arrangement. 3,820,092, 6-25-74, Cl. 340-174.0eb.

Bobeck, Andrew Henry, and Nelson, Terence John, to Bell Telephone Laboratories, Incorporated. Transfer circuit for single wall domains. 3,832,701, 8-27-74, Cl. 340-174.0tf.

Bobeck, Andrew Henry, Geusic, Joseph Edward, and Hagedorn, Bassett, to Bell Telephone Laboratories, Incorporated. Magnetic bubble structure for suppression of dynamic bubble conversion. 3,836,898, 9-17-74, Cl. 340-174.0tf.

Bobeck, Andrew Henry, Levinstein, Hyman Joseph, and Shick, Larry Keith, to Bell Telephone Laboratories, Incorporated. Magnetic devices utilizing garnet expitaxial materials and method of production. 3,837,911, 9-24-74, Cl. 117-235.000.

Bobeck, Richard L.: *See*—
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Bobel, David J., and Lotter, Robert F., to Skil Corporation. Safety slide switch. 3,833,784, 9-3-74, Cl. 200-157.000.

Bobel, Robert J., II, and Kimura, Robert B., to Libbey-Owens-Ford Company. Antenna windshield with electrical connector and method of producing the same. 3,818,489, 6-18-74, Cl. 343-713.000.

Bober, Thomas W.: *See*—
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Slowonsky, Idalee, Dagon, Thomas J.; and Bober, Thomas W., 3,832,453.

Bobier, Wilfred S., to Oilgear Company, The. Fluid device having interchangeable displacement control means. 3,806,280, 4-23-74, Cl. 417-222.000.

Bobinson, Bryan; Stark, Bernard Peter; and Young, Eric Whichell, to Ciba-Geigy AG. Mercaptoalkanoic acid esters of polyoxy-polyols. 3,853,959, 12-10-74, Cl. 260-481.00r.

Bobkowicz, Andrew John: *See*—
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Bobkowicz, Emilian; and Bobkowicz, Andrew John, 3,848,403.

Bobkowicz, Emilian, and Bobkowicz, Andrew John. Composite spinning. 3,844,097, 10-29-74, Cl. 57-34.0hs.

Bobkowicz, Emilian; and Bobkowicz, Andrew John. Aerodynamic spinning of composite yarn. 3,848,403, 11-19-74, Cl. 57-34.0hs.

Bobo, Frank E. Gas valve. 3,842,858, 10-22-74, Cl. 137-458.000.

Bobo, Gerald, Hipple, James H.; and Petrosky, Edward M., to United States of America, Atomic Energy Commission. Gate valve. 3,815,868, 6-11-74, Cl. 251-86.000.

Boboley, Alexandr Vasilievich: *See*—
Balepin, Alexandr Alexeevich, Boboley, Alexandr Vasilievich, Buslaev, Jury Alexandrovich; Chagin, Vladimir Ivanovich; Emanuel, Nikolai Markovich, and Sergeev, Andrei Ivanovich, 3,818,051.

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Bobrowsky, Charles A., and Loise, Joseph A., to Double B Construction & Incinerator Upgrading Co., Inc. Gas scrubber and method. 3,815,332, 6-11-74, Cl. 55-223.000.

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Bobzin, James E., and Kasprzak, David P., to Celotex Corporation, The. Surface panel and mounting means therefor. 3,826,055, 7-30-74, Cl. 52-483.000.

Bocabeille, Gilbert; and Augris, Rene, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Dialling discriminator. 3,828,131, 8-6-74, Cl. 178-69.00g.

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Boccard, Madeleine. Method of making a precious metal postage stamp. 3,833,990, 9-10-74, Cl. 29-412.000.

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Bocher, Dominique; and Faure, Robert. Pharmaceutical composition for treating mental fatique containing arginine-potassium phospho citro glutamate and method of using the same. 3,809,759, 5-7-74, Cl. 424-317.000.

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Bochnak, Gregory; and MacLennan, Roderick A., to United Aircraft Corporation. Hydraulic fluid supply apparatus for a hydraulic servomechanism. 3,791,775, 2-12-74, Cl. 417-426.000.

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Bock, Dietrich W.; Haug, Werner; and Olderdissen, Ulrich, to International Business Machines Corporation. Apparatus for addressing an electronic data storage. 3,803,554, 4-9-74, Cl. 340-166.00c.

Bock, Erich, to Register Systems GmbH. Device for attaching and adjusting flexible printing plates of printing cylinders. 3,835,778, 9-17-74, Cl. 101-415.100.

Bock, Eugen; Dollhausen, Manfred; and Muller-Albrecht, Horst, to Bayer Aktiengesellschaft. Contact adhesive mixtures. 3,813,380, 5-28-74, Cl. 260-77.5ap.

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Bock, John W., to McDonnell Douglas Corporation. Redundant stabilizer control. 3,790,108, 2-5-74, Cl. 244-83.00d.

Bock, Marianne: *See*—
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Bock, Nils Erik, to Morgardshammar Aktiebolag. Guide roller in roller guides. 3,824,831, 7-23-74, Cl. 72-251.000.

Bock, Nils Erik, to Morgardshammar Aktiebolag. Optical gauge. 3,834,820, 9-10-74, Cl. 356-164.000.

Bock, Nils Erik, to Morgardshammar Aktiebolag. Guide roller in roller guides. 3,837,553, 9-24-74, Cl. 226-194.000.

Bock, Nils Erik, to Morgardshammar Aktiebolag. Roller guide including axial bearings. 3,837,715, 9-24-74, Cl. 308-6.00r.

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Bock, Wallace O. Exercise device. 3,787,048, 1-22-74, Cl. 272-57.00r.

Bock, Walter R., to Qonaar Corporation. Security means for coin collecting container. 3,807,628, 4-30-74, Cl. 232-16.000.

Bock, Walter R., to Qonaar Corporation. Deferred time meter. 3,828,907, 8-13-74, Cl. 194-72.000.

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Bockemuehl-Simon, Johannes Juergen, to Bockemuehl, Johannes. Reel for strip-shaped articles. 3,819,125, 6-25-74, Cl. 242-77.100.

Bockenstette, Kenneth R., to Vanguard Industries, Inc. Container cooperable with a like container in an empty nesting relation and plurality of articles conatanning stacking relations. 3,819,044, 6-25-74, Cl. 206-507.000.

Bocker, Peter. Method and apparatus for demodulation of phase difference modulated data signals. 3,798,561, 3-19-74, Cl. 329-104.000.

Bockmann, Alfred, and Keuerleber, Rudi, to Krauss-Maffei Aktiengesellschaft. Method of and apparatus for the controlled mixing of two reactive components. 3,784,169, 1-8-74, Cl. 259-4.000.

Bockmann, August: *See*—
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Bockmann, August; Rudolph, Hans; and Nouvertne, Werner, to Bayer Aktiengesellschaft. Flameproof polycarbonates containing an alkali metal salt soluble in the polycarbonate melt. 3,836,490, 9-17-74, Cl. 260-18.0tn.

Bockmann, August; Kresse, Peter; Rudolph, Hans; and Printzen, Helmut, to Bayer Aktiengesellschaft. Colored inorganic pigments. 3,840,383, 10-8-74, Cl. 106-308.00n.

Bockmann, Walter; and Hornung, Rudolf, to Bayer Aktiengesellschaft. Photolytic process for the continuous production of benzotrichloride with a low benzal chloride content. 3,816,287, 6-11-74, Cl. 204-163.00r.

Bocksch, Karl; and Hensel, Willi, to Mauser Kommanditgesellschaft. Article of manufacture. 3,805,320, 4-23-74, Cl. 16-18.000.

Bocksch, Karl; and Hensel, Willi, to Mauser Kommanditgesellschaft. Rotary armchair. 3,815,956, 6-11-74, Cl. 297-349.000.

Bocksch, Karl; and Hensel, Willi, to Mauser Kommanditgesellschaft. Rotary chair. 3,817,575, 6-18-74, Cl. 297-347.000.

Bockstahler, Earl R., to Dow Chemical Company, The. Substituted phenylthioamidines. 3,847,986, 11-12-74, Cl. 260-564.00g.

Bockstie, Lawrence G., Jr., to Corning Glass Works. Flame-resistant resistor coatings. 3,804,669, 4-16-74, Cl. 117-218.000.

Bockstie, Lawrence G., Jr., to Corning Glass Works. Flameproof moisture-resistant coatings for electrical components. 3,834,938, 9-10-74, Cl. 117-201.000.

Bocquet, Maurice Henri, and Chatain, Michel, to Centre National d'Etudes Spatiales. Method and apparatus for continuous welding of plastics sheets, in particular for use in the manufacture of exploratory balloons. 3,841,947, 10-15-74, Cl. 156-580.000.

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Bode, Charles H., Jr., to United States Steel Corporation. Quick release mechanism for continuous casting coolant coupling pipes. 3,800,854, 4-2-74, Cl. 164-283.000.

Bode, Charles H., Jr., to United States Steel Corporation. Quick release mechanism for continuous casting mold support frame. 3,823,761, 7-16-74, Cl. 164-273.00r.

Bode, Charles H., Jr., to United States Steel Corporation. Continuous casting machine embodying a self-aligning and flexing guide-roll rack. 3,837,390, 9-24-74, Cl. 164-260.000.

Bode, Charles H., Jr., to United States Steel Corporation. Positioning mechanism for linearly slidable members. 3,841,538, 10-15-74, Cl. 222-561.000.

Bode, Charles H., Jr.; Britcher, Harry H., Jr.; and McKelevey, Joseph E., to United States Steel Corporation. Apparatus for manipulating a hot metal tundish on a gantry car. 3,844,429, 10-29-74, Cl. 214-313.000.

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Bode, Helmut. Encasement for the tail section of a rocket with a central nozzle and extendible control vanes. 3,853,288, 12-10-74, Cl. 244-3.290.

Bode, Wolfgang W.; Miller, John W. V., and Photos, Nicholas T., to Owens-Illinois, Inc. Gas discharge device with improved memory margin. 3,806,761, 4-23-74, Cl. 315-169.0tv

Bodea, Ion: *See—*
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Boden, Ogden W. Cord locking assembly. 3,845,575, 11-5-74, Cl. 36-50.000.

Boden, Robert C.; and Wade, Forrest L., to International Business Machines Corporation. Self-checked single bit change register. 3,805,040, 4-16-74, Cl. 235-153.0ap.

Bodenheimer, Bert A.; and Parady, Victor G., Jr., to Sea-Land Service, Inc. Truck and outsize cargo container. 3,830,381, 8-20-74, Cl. 214-10.50r.

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Bodesheim, Ferdinand; Radlmann, Eduard; Schaffner, Heinz; and Nischk, Gunther, to Bayer Aktiengesellschaft. Acrylonitrile polymers with reduced surface resistance. 3,856,738, 12-24-74, Cl. 260-30.80r.

Bodet, Pierre. Timepiece with automatic calendar. 3,834,151, 9-10-74, Cl. 58-4.00a.

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Bodinaux, Gaston Jean Olivier, to Les Forges de Zeebrugge S.A. Arming device for rocket type projectile launching tube. 3,842,711, 10-22-74, Cl. 89-1.807.

Bodine, Albert G. Sonic resonant driving of a column member utilizing compliant resonator element. 3,783,954, 1-8-74, Cl. 173-49.000.

Bodine, Albert G. Acoustical suppression of detonation waves in rotary internal combustion engine. 3,795,226, 3-5-74, Cl. 123-8.010.

Bodine, Albert G. Power system utilizing free-piston engine and torsionally resonant transmission. 3,805,514, 4-23-74, Cl. 60-741.000.

Bodine, Albert G. Pile driving utilizing standing wave vibrations. 3,808,820, 5-7-74, Cl. 61-53.500.

Bodine, Albert G. Torque converter transmission system. 3,837,239, 9-24-74, Cl. 74-843.000.

Bodine, Albert G. Sonic retorting technique for in situ mining of carbonaceous material. 3,848,672, 11-19-74, Cl. 166-249.000

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Boebel, Carl P.; and Stevenson, Gary E., to United States of America, Air Force, mesne. Coatings having high solar absorptance to infrared emittance ratios. 3,810,777, 5-14-74, Cl. 117-33.300.

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Boehm, Robert Francis, and Van Bogelen, Donald Wayne, to International Business Machines Corporation. Data processing memory system with bidirectional data bus. 3,795,901, 3-5-74, Cl. 340-172.500.

Boehm, Robert Francis, to International Business Machines Corporation. Monolithic memory using partially defective chips. 3,845,476, 10-29-74, Cl. 340-173.0bb

Boehm, Walter G., and Torrance, Gordon A., to Webb, Jervis B., Company. Cooling system for rod or bar coils. 3,813,087, 5-28-74, Cl. 266-2.00a.

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Boggs, Jack L. Fifth wheel safety lock. 3,823,960, 7-16-74, Cl. 280-432.000.
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Boileau, Jacques, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie Tire having bi-based carcass 3,783,925, 1-8-74, Cl

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Boileau, Jacques, to Compagnie Generale des Etablissements Michelin raison sociale Michelin & Cie Dual tire 3,830,273, 8-20-74, Cl 152-352.000

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Boillot, Pierre, to Institut de Recherches de la Siderurgie Francaise Device for degassing a sample 3,812,705, 5-28-74, Cl 73-19.000

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Boisseau, Jean-Francois, to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Vibration generator for studying structures. 3,855,487, 12-17-74, Cl. 310-80.000.

Boisserand, Raymond. Device for the connection of cylindrical members. 3,809,413, 5-7-74, Cl. 285-348.000.

Boissier, Jacques Robert; and Ratouis, Roger, to Societe Anonyme dite: Societe Industrielle pour la Fabrication des Antibiotique (S.I.F.A.). 9-Fluoro-11β,21-dihydroxy-16α,17-(2-propenylidenedioxy)-pregna-1, 4-diene-3,20-dione and derivatives thereof. 3,798,216, 3-19-74, Cl. 260-239.55d.

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Boisvert, Conrad J., Jr., to Cogar Corporation. Apparatus and method for determining partial memory chip catagories. 3,805,243, 4-16-74, Cl. 340-172.500.

Boitano, Robert A.; and Engle, Charles J., to Gared Corporation Collapsible basketball goal. 3,820,784, 6-28-74, Cl. 273-1.50r.

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Bojas, Edward J., and Ward, Harold R., to Eaton Corporation Hydrostatic transmission drive system. 3,795,109, 3-5-74, Cl. 60-490.000.

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Bojorkman, Bengt Harry, to U.S. Philips Corporation. Switched frequency communications system with automatic phase and amplitude compensation. 3,838,342, 9-24-74, Cl. 325-32.000.

Bok, Hendrik F.; and St. Onge, Eugene, to In-Line Technology, Inc. Solution agitation process. 3,824,137, 7-16-74, Cl. 156-18.000.

Bokovoy, Ronald D., to Boise Cascade Corporation. Differential mechanism of the holdout ring type. 3,791,238, 2-12-74, Cl. 74-750.000.

Bokros, Jack C., to Gulf Oil Corporation. Percutaneous implant. 3,783,868, 1-8-74, Cl. 128-260.000.

Boksjo, Carl Ingvar, deceased (by Boksjo, Stina), to Allmanna Svenska Elektriska Aktiebolaget. Static current coverter with bypass members. 3,842,335, 10-15-74, Cl. 321-13.000

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Boland, Thomas M., and White, Frank G., to Shellmaker, Inc. Method and apparatus for moving solids from a remote location. 3,841,710, 10-15-74, Cl. 302-14.000

Bolanz, Gerrit M. Storage device for coins and similar objects. 3,837,475, 9-24-74, Cl. 206-800.

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Boldebuck, Edith M., to General Electric Company. Making aqueous solvent mixtures of alkali metal salt of polyamide acid. 3,812,069, 5-21-74, Cl. 260-29.20m.

Bolden, James D., and Koller, Floyd G., to Auto-Valve, Inc. Low pressure ball valve with annular seal. 3,827,671, 8-6-74, Cl. 251-84.000.

Bolding, Donald B.; and Williams, Hilton S., to NL Industries, Inc. Silicate bonded foundry mold and core sands. 3,832,191, 8-27-74, Cl. 106-38.300.

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Boldt, Allyn L., to United States of America, Atomic Energy Commission. Radioactive waste storage. 3,828,197, 8-6-74, Cl. 250-506.000.

Boldt, Bruce W.: *See*—
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Bolduc, Lee R., to Medical Plastics, Inc. Cardiac catheter and shunt electrode. 3,807,391, 4-30-74, Cl. 128-2.05r.

Bolduc, Lee R., to Medtronic, Inc. Regulatory apparatus. 3,817,237, 6-18-74, Cl. 128-1.00r.

Bolduc, Lee R., to Population Research Incorporated. Dispensing method and apparatus. 3,822,702, 7-9-74, Cl. 128-235.000.

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Bolduc, Lee Robin, to Medtronic, Inc. Intravascular lead assembly. 3,844,292, 10-29-74, Cl. 128-418.000

Boldyrev, Mikhail Vsevolodovich: *See*—
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Bole, Hamilton B., to American Optical Corporation. Lens frangibility testing apparatus. 3,791,193, 2-12-74, Cl. 73-12.000

Bole, Rex, to Wellman Bibby Company Limited, The. Shaft mountings for pulleys, sprockets, coupling flanges and other machine elements. 3,851,977, 12-3-74, Cl. 403-16.000

Bolejack, James William, Jr., Daniel, Truman Knox, Jr., and Rolison, Darrell Edward, to Hercules Incorporated. Incineration process for disposal of waste propellant and explosives. 3,848,548, 11-19-74, Cl. 110-7.00r.

Boleky, Edward Joseph, III, to RCA Corporation. Fabrication of monolithic integrated circuits. 3,791,024, 2-12-74, Cl. 29-577.000

Bolen, Robert J.. *See*—
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Bolen, Waldo B., to Northwestern Corporation, The. Vending machine with counting mechanism. 3,783,986, 1-8-74, Cl. 194-2.000

Bolen, Waldo E., Jr., to Northwestern Corporation, The. Bulk vending machine with sound playback apparatus. 3,822,004, 7-2-74, Cl. 194-15.000

Boler, Leonard J., to Cherne Industrial, Inc. Liquid cooling apparatus. 3,855,369, 12-17-74, Cl. 261-90.000.

Boler, Leonard J., and Desnick, Mandel L., to Cherne Industrial Inc. Modular liquid cooling spray units. 3,856,280, 12-24-74, Cl. 261-90.000

Boles, John G., Haddad, Micheal M., Rich, David W., and Smith, Matthew C., to International Business Machines Corporation. Deposition of non-porous and durable tin-gold surface layers in microinch thicknesses. 3,807,971, 4-30-74, Cl. 29-199.000

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Boley, Robert D., and Grass, William E., to Square D Company Relay with time delay coil. 3,824,434, 7-16-74, Cl. 317-141.00S

Boley, William Franklin. *See*—
Hirata, Arthur Atsunobu, and Boley, William Franklin, 3,790,447

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Bolger, James W., and Petracek, Francis J., to Riker Laboratories, Inc. 3-Amino lower alkyl-1-phenylisochromans and their preparation. 3,840,562, 10-8-74, Cl. 260-345.200.

Bolger, John G., Jr., and Walker, Carl A., to Digilux Corporation Pin sensing system. 3,795,402, 3-5-74, Cl. 273-54.00e.

Bolger, Joseph. Impact turning tool. 3,811,517, 5-21-74, Cl. 173-93.700

Bolger, Joseph. Swivel locking caster brake. 3,828,392, 8-13-74, Cl. 16-35.00r

Bolger, Justin C., and Molvar, Henry E., Jr., to Canadian Copper Refiners Limited. Production of blanks used in the electrodeposition of strippable metal coatings. 3,804,724, 4-16-74, Cl. 204-12.000.

Bolhofer, William A., to Merck & Co., Inc. B-picolyloxy ester of (3-trifluoromethyl phenoxy)(4-chlorophenyl) acetic acid and derivatives. 3,787,423, 1-22-74, Cl. 260-295.50r

Bolhofer, William A., to Merck & Co., Inc. (α-(3-Trifluoromethylphenoxy)-4-chlorobenzyl)-heterocycles. 3,816,446, 6-11-74, Cl. 260-307.00f

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Bolich, Raymond Edward, Jr.; Joffe, Frederick Martin; and Mohl, Douglas Charles, to Procter & Gamble Company, The. Liquid shampoo. 3,808,329, 4-30-74, Cl. 424-70.000.

Bolick, Fred C., Jr., to Lanier Electronic Laboratory, Inc. Miniature cassette adapter apparatus and cassette tape recorder-reproducer. 3,800,321, 3-26-74, Cl. 360-94.000

Bolick, Fred C., Jr., to Lanier Electronic Laboratory, Inc. Remaining tape sensing apparatus. 3,820,101, 6-25-74, Cl. 340-259.000.

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Bolin, Larry R.; Hopper, Claude, Jr., and Jolly, Shelby A., to General Electric Company. Microwave-excited light emitting device. 3,790,852, 2-5-74, Cl. 315-267.000

Boling, Goran: *See*—
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Bolinger, William Russell. Time delay alarm system. 3,787,832, 1-22-74, Cl. 340-276.000

Bolitho, Walter J. Unitary cellular-structured cooking fire apparatus. 3,827,423, 8-6-74, Cl. 126-29.000

Bolkey, Harold B.. *See*—
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Boll, Martin William; and MacRobbie, Robert Murray, to Richmond Screw Anchor Co. Concrete supporting form and a hanger therefor. 3,782,676, 1-1-74, Cl. 249-23.000

Boll, Richard H., to Bailey Meter Company. Constant effective slot length light pipe. 3,847,487, 11-12-74, Cl. 356-207.000

Bollag, Werner, Gutmann, Hugo, Hegedus, Balthasar, Kaiser, Ado, Langemann, Albert, Muller, Marcel; and Zeller, Paul, to Hoffmann-La Roche Inc. Alpha-2-methylhydrazine-pyridivotoluidides and derivatives. 3,795,678, 3-5-74, Cl. 260-295.0am

Bollag, Werner, Gutmann, Hugo, Hegedus, Balthasar, Kaiser, Ado, Langemann, Albert, Muller, Marcel, and Zeller, Paul, to Hoffmann-La Roche Inc. Substituted hydrazine derivatives and process for the manufacture thereof. 3,824,288, 7-16-74, Cl. 260-565.000

Bollag, Werner, Gutmann, Hugo, Hegedus, Balthasar, Kaiser, Ado, Langemann, Albert, Muller, Marcel, and Zeller, Paul, to Hoffmann-La Roche Inc. 1-Methyl-2-(lower sulfonylamine-benzyl)-hydrazines. 3,830,840, 8-20-74, Cl. 260-556.00a

Bolland, Otto, to Metall-Werk Merkur GmbH. Low pressure casting apparatus for magnesium. 3,805,879, 4-23-74, Cl. 164-306.000

Bolle, Robert Seraphin Victor. Spectacle frame with split bridge and clip-on means for securing same. 3,801,189, 4-2-74, Cl. 315-92.000

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Boller, Arthur, and Scherrer, Hanspeter, to Hoffmann-La Roche Inc. Nematogenic materials which exhibit the kerr effect at isotropic temperatures. 3,795,436, 3-5-74, Cl. 350-150.000

Boller, George E., and Renk, Richard J., to Miller, Gladys Traction motor suspension bearing lubricator. 3,827,769, 8-6-74, Cl. 308-132.000

Boller, Thomas E., to Ford Motor Company. Method of treating a surface of a glass article and the glass article produced therefrom. 3,795,535, 3-5-74, Cl. 117-118.000

Boller, William A. Bomb recovery and shield apparatus. 3,800,715, 4-2-74, Cl. 109-49.500

Bollerup, Johannes, to Anja Engineering Corporation. Memory device. 3,834,531, 9-10-74, Cl. 209-74.00m.

Bolleter, Hans Ulrich; and Schulthess, Hansruedi, to Salvis AG. Apparatus for steam pressure cooking of food. 3,790,391, 2-5-74, Cl. 99-330.000.

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Bolli, Hans-Ulrich, to SIG Schweizerische Industrie-Gesellschaft. Variable speed drive. 3,806,014, 4-23-74, Cl. 226-30.000.

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Bollig, Georg, Grothe, Horst, and Eisen, Josef, to Schloemann Aktiengesellschaft. Plural segmented guiding assembly for a continuous casting. 3,794,107, 2-26-74, Cl. 164-282.000.

Bollig, Georg; Grothe, Horst, Knell, Gernhard, Thalmann, Armin, and Zeller, Josef, to Schloemann Aktiengesellschaft and Concast AG. Method of operating a multi-roll casting machine during and after freezing of the liquid core of the strand. 3,812,900, 5-2874, Cl. 164-76.000.

Bolliger, Hans Rudolf. *See*—
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Bolling, Fritz, Mayer, Armin, Parikh, Mavendra, and Toussaint, Friedrich, to Stahlwerke Bochum Aktiengesellschaft. Process for the decarbonization of steel. 3,823,042, 7-9-74, Cl. 148-112.000

Bolling, Gustaf F., and Cole, Gerald S., to Ford Motor Company Method of casting inoculated metals. 3,844,776, 10-29-74, Cl. 75-135.000.

Bolling, Henry E.: *See*—
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Bollmann, Robert Henry, and Richards, Guy Curtis, to American Can Company. Two position pull tab easy-open container component. 3,833,144, 9-3-74, Cl. 220-267.000

Bollyky, L. Joseph, to Pollution Control Industries, Inc. Method of producing ozone. 3,833,492, 9-3-74, Cl. 204-176.000

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Bollyky, Laszlo Joseph, to American Cyanamid Company. Electronegatively substituted carboxyphenyl oxalates as superior chemiluminescent materials. 3,816,326, 6-11-74, Cl. 252-188.3cl

Bollyky, Laszlo Joseph, to American Cyanamid Company. Chemiluminescent compositions containing polycarbonyl compounds. 3,843,549, 10-22-74, Cl. 252-188.3cl

Bolsey, Emil J. Image motion and change transducers and systems controlled thereby. 3,823,261, 7-9-74, Cl. 178-6.800

Bolsing, Friedrich. Phosphoric acid salts of long chain amino compounds. 3,786,091, 1-15-74, Cl. 260-583.00r

Bolst, J. & Fils S.A.. *See*—
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Boltinghouse, Joseph C.; Pelteson, Frank M.; and Pinson, John C., to Rockwell International Corporation. Cross product pickoff for ball gyros of the electrostatic levitation type. 3,847,026, 11-12-74, Cl. 74-5.60d.

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Bolto, Brian Alfred. Amphoteric thermally regenerable ion exchange resins. 3,808,158, 4-30-74, Cl. 260-2.10r.

Bolto, Brian Alfred; and Stephens, Geoffrey Keith, to ICI Australia Limited and Commonwealth Scientific and Industrial Research Organization. Process for curing poly(vinyl alcohol) matrix beads. 3,840,482, 10-8-74, Cl. 260-2.10r.

Bolton, Anita M. Infant carrier. 3,841,543, 10-15-74, Cl. 224-6.000.

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Bolton, Harold B., to Litton Systems, Inc. Cryogenic ship containment system having a convection barrier. 3,830,180, 8-20-74, Cl. 114-74.00a

Bolton, Herbert S. Bottle carrier. 3,784,003, 1-8-74, Cl. 206-65.00e.

Bolton, Joseph A., III, to Bird Machine Company, Inc. Process for producing kraft paper laminate of top stock and base stock layers. 3,791,917, 2-12-74, Cl. 162-55.000

Bolton, Richard H., to Eastman Kodak Company. Lens gimbaling and carriage release apparatus. 3,782,807, 1-1-74, Cl. 350-255.000.

Bolton, Robert A., to General Motors Corporation. Exhaust gas recirculation. 3,799,131, 3-26-74, Cl. 123-119.00h

Bolton, Robert Benjamin. Anti-theft device for vehicles. 3,828,593, 8-13-74, Cl. 70-209.000.

Bolton, Theodore S., to Carrier Corporation. Apparatus for opening exhaust and vent ports of an air conditioning unit. 3,823,574, 7-16-74, Cl. 62-262.000.

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Boltz, Duane A., Gardner, James J., and Hautau, Charles F., to Alcan Aluminum Corporation. Apparatus for stacking panels or the like. 3,835,620, 9-17-74, Cl. 53-157.000

Boltz, Ronald R.; and Ojala, William K., to Ford Motor Company. Fuel injection apparatus. 3,782,639, 1-1-74, Cl. 239-405.000.

Bolusset, Christian S.; Treheux, Michel E., Alard, Francis R.; and Malaboeuf, Michel E. Focussed image holographic memory. 3,820,869, 6-28-74, Cl. 350-3.500.

Bolusset, Christian S.; Treheux, Michel E., Le Gall, Jean C.; and Le Ber, Francois. System of selection and display of graphical data by holography. 3,822,087, 7-2-74, Cl. 350-3.500.

Bolynn, Andrew T. Refrigerating apparatus. 3,786,652, 1-22-74, Cl. 62-243.000.

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Bolz, Walter, Herzog, Horst, Herzog, Alfred, and Neese, Hans J., to Doduco, Eugen Durrwachter, Dr. Continuous strip electroplating apparatus. 3,855,108, 12-17-74, Cl. 204-206.000.

Bolza-Schunemann, Hans-Bernhard, to Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft. Sheet feeder for printing presses. 3,791,642, 2-12-74, Cl. 271-51.000.

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Bomba, Zdenka. Shield for use in applying eyelash makeup. 3,789,856, 2-5-74, Cl. 132-88.500.

Bomball, William A.; Drury, Raymond L., Jr., Nevin, Charles S., and Witmer, Ralph C., II, to Staley, A. E., Manufacturing Company. Vicinal halohydrins prepared from olefins containing carbon atoms. 3,782,987, 1-1-74, Cl. 106-271.000

Bomball, William A., to Staley, A. E., Manufacturing Company. Remoistenable, prepasted wall covering and method of making. 3,810,783, 5-14-74, Cl. 117-122.00s.

Bombara, Giuseppe: *See*—
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Bombardi, Aldo L. Page turning mechanism. 3,823,638, 7-16-74, Cl. 84-503.000.

Bombardier, Alphonse R.; Bombardier, Gerard; and Bombardier, Germain, said Bombardier, Alphonse, and Bombardier, Gerard, assors. to said Bombardier, Germain. Hull construction for watercraft. 3,790,977, 2-12-74, Cl. 9-6.000.

Bombardier, Gerard: *See*—
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Bombardier, Germain: *See*—
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Bombardier, Jerome, to Bombardier Limited. Bracket assembly for snowmobile skis. 3,786,886, 1-22-74, Cl. 180-5.00r

Bombardier, Jerome, to Bombardier Limited. Stop device for snowmobile steering mechanism. 3,825,086, 7-23-74, Cl. 180-5.00r.

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Bomber, Robert J. Folding bookrack for stackable chairs. 3,844,609, 10-29-74, Cl. 297-192.000.

Bomberger, Howard B., Jr.: *See*—
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Bomberger, Howard B., Jr., to RMI Company. Titanium welding electrode. 3,793,071, 2-19-74, Cl. 117-206.000.

Bomberger, Howard B., Jr.; and Seagle, Stanley R., to RMI Company, United States Steel Corporation and National Distillers and Chemical Corporation. Titanium-base alloy and method of improving creep properties. 3,833,363, 9-3-74, Cl. 75-175.500.

Bombich, Norbert S., to Ajax Magnethermic Corporation. By-pass valve for a gas dryer. 3,803,724, 4-16-74, Cl. 34-80.000.

Bomboy, Craig L.: *See*—
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Bomford, Michael James; and Benjamin, John Stanwood, to International Nickel Company, Inc., The. Mechanically-alloyed aluminum-aluminum oxide. 3,816,080, 6-11-74, Cl. 29-182.500.

Bomford, Michael James; and Cairns, Robert Lacock, to International Nickel Company, Inc., The. Thermomechanical processing of mechanically alloyed materials. 3,844,847, 10-29-74, Cl. 148-11.50f.

Bomhard, Helmut. *See*—
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Bommarito, Dominic M. Shock absorbing mounting for motor vehicle. 3,829,142, 8-13-74, Cl. 293-86.000

Bommart, Patrick, to Acieries de Gennevilliers Anciens Etablissements C. Delachaux. Conductor rails for energising electrical machinery. 3,813,502, 5-28-74, Cl. 191-30.000.

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Bompart, Reuben N. Sign Holder. 3,815,860, 6-11-74, Cl. 248-464.000

Bomstein, Ralph A., to General Mills, Inc. Texturizing materials for foods. 3,833,744, 9-3-74, Cl. 426-212.000.

Bon, David R. *See*—
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Bonacci, John C., and Mitchell, Kenneth M., to Mobil Oil Corporation. Dual catalyst converter process. 3,844,934, 10-29-74, Cl. 208-66.000.

Bonafede, William E.: *See*—
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Bonafino, Edward J., Gilbert, Richard L., and Mako, John, to International Business Machines Corporation. Print line registration indicator. 3,828,669, 8-13-74, Cl. 101-111.000

Bonafino, Edward J., to International Business Machines Corporation. Non-shingling forms feed tractor. 3,838,804, 10-1-74, Cl. 226-76.000.

Bonalumi, Ettore. Speed device control of doffer for carding. 3,805,333, 4-23-74, Cl. 19-106.00r

Bonami, Ernest; and Clemens, Ogden A., to Swift & Company. Method and apparatus for segmenting extruded product. 3,797,070, 3-19-74, Cl. 17-32.000

Bonami, Ernest, to Swift & Company. Rail cleaning system. 3,806,979, 4-30-74, Cl. 15-21.00r

Bonanno, Anthony J. *See*—
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Dix, Keith M.; and Bonbrake, Bert, Jr., 3,783,947.

Boncher, John L., Jr.: *See*—
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Bonczyk, Bruno C., to Alton Box Board Company. Convenience handle means for carton. 3,794,239, 2-26-74, Cl. 229-52.00d.

Bonczyk, Paul A.; and Ultee, Casper J., to United Aircraft Corporation. Method and apparatus for determining the concentration of paramagnetic material in a gas mixture. 3,796,499, 3-12-74, Cl. 356-201.000.

Bond, Adrian Edward, Burgess, Christopher George Venning; and Martin, David Eric, to BP Chemicals International Limited. Hydrocarbon separation process. 3,793,385, 2-19-74, Cl. 260-674.0sa.

Bond, Donald S., to RCA Corporation. Collision prevention. 3,849,782, 11-19-74, Cl. 343-112.0ca.

Bond, Donald Spencer, to RCA Corporation. Television communication system with time delay compensation. 3,835,253, 9-10-74, Cl. 178-69.5dc.

Bond, Donald Spencer; and Holman, John Michael Leigh, to RCA Corporation. Geo-synchronous satellites in quasi-equatorial orbits. 3,836,969, 9-17-74, Cl. 343-100.0st.

Bond, Edwin Marshall, to Chicago Bridge & Iron Company. Traveling bridge with power-cable reel rotated in response to bridge movement, shiplessly and with uniform tension. 3,853,209, 12-10-74, Cl. 191-12.20r.

Bond, Frank. Anchor support. 3,826,214, 7-30-74, Cl. 114-210.000

Bond, Herbert M., and Rucinski, Michael E., to Buckbee-Mears Company. Vertical etchers for minute parts. 3,795,561, 3-5-74, Cl. 156-345.000

Bond, Herbert M.; and Ring, Charles E., to Buckbee-Mears Company. Electroforming apparatus including an anode housing with a perforate area for directing ion flow towards the cathode. 3,809,642, 5-7-74, Cl. 204-275.000

Bond, Herbert M., to Buckbee-Mears Company. Heated, vacuum-pressure press. 3,818,823, 6-25-74, Cl. 100-93.00p.

Bond, Kenneth Arthur George, Munro, Roger Cameron, and Hayler, Reginald, to Gelman Instrument Company. Device for blood sedimentation rate estimation. 3,827,286, 8-6-74, Cl. 73-61.400

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Bond North Limited. *See*—
Currell, Herbert Henry, 3,847,691

Bond, Sam. Trenching attachment for a tractor or the like. 3,834,049, 9-10-74, Cl. 37-86.000

Bond, Thomas G., to Royal Industries, Inc. Thermodynamic container. 3,807,194, 4-30-74, Cl. 62-457.000.

Bond, William C., Jr., to Copolymer Rubber & Chemical Corporation. Silyl-norbornene and interpolymers prepared of same. 3,838,115, 9-24-74, Cl. 260-80.710

Bondar, Ljudmila Sergeevna; and Okunev, Rostan Alexandrovich. Higher branched unsaturated dialkylamino acids. 3,840,571, 10-8-74, Cl. 260-404.000.

Bondar, Viktor Stepanovich. *See*—
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and Strekalov, Anatoly Vastlievich. Method of manufacturing crystalline glass articles. 3,798,014, 3-19-74, Cl. 65-33.000.
Bondarev, Konstantin Timofeevich; Pavlushkin, Nikolai Mikheevich; Tykachinsky, Isai Davidovich; Kozlovsky, Viktor Stepanovich; Oblasti, Dolgoprudny Moskovskoi; Krylov, Valentin Feoktistovich; and Rud, Svetlana Ivanovna. Method of producing rolled porous glss-ceramic material. 3,811,852, 5-21-74, Cl. 65-22.000.
Bondarev, Konstantin Timofeevich; Tykachinsky, Isai Davidovich; Pavlushkin, Nikolai Mikhaiovich; Kataeva, Galina Vasilievna; Kozlovsky, Vikto Stepanovich; Romanovsky, Mark Bentsionovich; Pyatnitskaya, Varvara Vasilievna; and Rud, Svetlana Ivanovna. Method f production of white divitrified glass material. 3,841,856, 10-15-74, Cl. 65-33.000.
Bondarev, Vitaly Petrovich; Tusunian, Georgy Varlamovich; Budenny, Genady Georgievich; Mgeladze, Nodar Vladimirovich; Anisimov, Andr Vladimirovich; Saradzhev, Georgy Mikhailovich, Shakhbudagian-Shou, Suren Emmanuilovich; and Oringolts, Leonid Vladimirovich. Device for evaluating the quality of cake in intermittent filters. 3,815,745, 6-11-74, Cl. 210-96.000.
Bonde, Robert: *See*—
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Bondesson, Ulf Goran; Carlson, Lars Anders Fritz; Hedbom, Christina; Magnusson, Harry Olof; and Stjernstrom, Nils Erik, to Astra Lakemedel Aktiebolag. Dibenzofuranyloxy and carbazolyloxy alkanoic acids and esters. 3,846,445, 11-5-74, Cl. 260-315.000.
Bondi, Emanuele, to Fieldcrest Mills, Inc. Method of producing patterned blocks of pile yarns in making patterned pile fabrics. 3,831,232, 8-27-74, Cl. 28-72.00r.
Bondi, Emanuele, to Fieldcrest Mills, Inc. Method and apparatus for making pile fabrics from a block of pile yarns. 3,847,692, 11-12-74, Cl. 156-72.000.
Bondi, Herman H. Prefabricated modular abutment assembly for supporting concrete forms of varying heights. 3,822,854, 7-9-74, Cl. 249-33.000.
Bondie, Dale J.; Sutton, Robert W.; and Lewelling, James I., to Ex-Cell-O Corporation. Machine tool with automatic tool changing means. 3,789,500, 2-5-74, Cl. 29-568.000.
Bondie, Dale J., to Ex-Cell-O Corporation. Workpiece support apparatus. 3,792,855, 2-19-74, Cl. 269-310.000.
Bondie, Dale J., Sutton, Robert S.; and Lewelling, James D., to Ex-Cell-O Corporation. Machine tool with automatic tool changing means. 3,824,892, 7-23-74, Cl. 90-58.00b.
Bondie, Dale J.; Sutton, Robert S.; and Lewelling, James D., to Ex-Cell-O Corporation. Machine tool with automatic tool changing means. 3,842,712, 10-22-74, Cl. 90-11.000.
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Bondini, Arnaldo; and Murari, Bruno, to Societa Generale Semiconduttori S.p.A. Protection device for a power element of an integrated circuit. 3,792,316, 2-12-74, Cl. 317-31.000.
Bondley, Ralph J., to General Electric Company. Rechargeable cell having ceramic-metal terminal seal resistant to alkali electrolyte. 3,840,408, 10-8-74, Cl. 136-133.000.
Bonds, James Vaull; and McCaskill, John Walton, to Rockwell International Corporation. Well completion apparatus and method. 3,809,158, 5-7-74, Cl. 166-250.000.
Bond's-Wear Pty. Limited: *See*—
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Bonduris, Angelo T., to Colgate-Palmolive Company. Pressurized dispensers. 3,819,092, 6-25-74, Cl. 222-389.000.
Bondy, Clemens; and Tallack, Ian Christopher, to Doverstrand Ltd. Solid foams and their preparation. 3,823,104, 7-9-74, Cl. 260-2.5bl.
Bone, Arnold Roberts, to Dennison Manufacturing Company. Apparatus for dispensing fasteners. 3,797,722, 3-19-74, Cl. 227-67.000.
Bone Cravens Limited: *See*—
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Bone, Donald, to Hilti Aktiengesellschaft. Repair of lifting lugs on ingot moulds. 3,781,965, 1-1-74, Cl. 29-401.000.
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Bonecutter, Charles A.: *See*—
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Bonetti, Giulio, to Klinger AG. Reflection-type level indicator. 3,817,205, 6-18-74, Cl. 116-118.00r.
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Bongers, Piet Frans; Wittekoek, Stefan, and Popma, Theo Johan August, to U.S. Philips Corporation. Thermomagnetic recording and magneto-optic reading of a medium having bismuth ions in a garnet structure. 3,838,450, 9-24-74, Cl. 360-59.000.
Bongiovanni, Carl G. Dog choke collar. 3,817,218, 6-18-74, Cl. 119-106.000.
Bongiovanni, Nicholas J., to Wopo's Italian Frozen Food Products, Inc. Method of preparation of pizza product. 3,804,956, 4-16-74, Cl. 426-344.000.
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Bonham, Ralph D. Remotely steered troller. 3,793,761, 2-26-74, Cl. 43-26.100.
Bonhomme, Francois Robert, to Connectronics Corporation. Electric contact makers and connectors fitted with such devices. 3,808,589, 4-30-74, Cl. 339-217.00s.
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Boniface, Arthur, to Dorr-Oliver Incorporated. System for recovery of fiber from paper mill effluent, including a dieve bend screen. 3,833,468, 9-3-74, Cl. 162-264.000.
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Bonikowski, Zbigniew; and Keen, Bruce Henry, to British Insulated Callender's Cables Limited. Apparatus for extruding plastic material. 3,799,719, 3-26-74, Cl. 425-149.000.
Bonimi, Jaime A., to Tapeler Corporation. Apparatus for transferring and affixing articles to either one of two angularly disposed surfaces. 3,794,543, 2-26-74, Cl. 156-566.000.
Bonin, Jean-Claude, to Roto Diesel. Fuel injection pumps for I.C. engines. 3,847,509, 11-12-74, Cl. 417-214.000.
Boning, Walter; and Leistner, Werner, to Siemens Aktiengesellschaft. Electric salient-pole synchronous machine rotor solid metal pole piece solid metal pole piece. 3,786,293, 1-15-74, Cl. 310-269.000.
Bonis, David Raynes, to Bell-Northern Research Ltd. Eyeglass clip for headsets. 3,798,712, 3-26-74, Cl. 24-81.0ph.
Bonjean, Francois Auguste, to Agfa-Gevaert N.V. Package for plates. 3,792,771, 2-19-74, Cl. 206-455.000.
Bonke, Henry A. Sharpening device. 3,828,486, 8-13-74, Cl. 51-249.000.
Bonn, Clifford, and Wilson, Kenneth R.A., to Irving Industries Inc. Vehicle safety device. 3,799,574, 3-26-74, Cl. 280-150.0ab.
Bonn, Dorrance P., Jr., and Pratt, Roy E., to Texaco Inc. Fluid catalytic cracking process. 3,799,864, 3-26-74, Cl. 208-80.000.
Bonnamy, Philippe J. F.; and Mugneret, Jean A., to Compagnie Francaise des Petroles. Anti-pounding device mounted on a boat for maintaining a cable at a given level above an underwater bed. 3,785,511, 1-15-74, Cl. 214-14.000.
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Bonne, Roger, to Commissariat a l'Energie Atomique. Device for analysing a substance by atomic absorption with background correction. 3,825,344, 7-23-74, Cl. 356-85.000.

Bonne, Ulrich, to Honeywell Inc. Stereoscopic display system. 3,858,001, 12-31-74, Cl. 178-6.500.
Bonneaud, Henri Auguste; and Hoch, Rene Gerard, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Method of and device for attenuating the noise produced by a jet engine nozzle. 3,820,626, 6-28-74, Cl. 181-33.0hc.
Bonnel, Arthur John, Sr., to Digitec, Inc. Clamping device. 3,808,915, 5-7-74, Cl. 81-5.10r.
Bonnell, Brian P.: *See*—
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Bonner, Alvin T., Sr., to Singer Company, The. Universal knife block for tufting machines. 3,788,245, 1-29-74, Cl. 112-79.00r.
Bonner, Edwin J.: *See*—
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Bonner, John J., to Fischer & Porter Company. Equalization mechanism for differential pressure meter. 3,822,596, 7-9-74, Cl. 73-407.000.
Bonner, William A., Sweet, Richard G., and Hulett, Henry R., to Leland Stanford Junior University, The Board of Trustees of the. Particle sorting method and apparatus. 3,826,364, 7-30-74, Cl. 209-3.000.
Bonnes, Hedley Allan; and Ravenscroft, Edward. Means for protecting an end of an tubular member. 3,818,946, 6-25-74, Cl. 138-96.00r.
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Bonnet, Frederick W., to Union Carbide Corporation. Rotary fluid contactor. 3,809,375, 5-7-74, Cl. 261-87.000.
Bonnet, Ludwig. Endoscopes. 3,799,150, 3-26-74, Cl. 128-6.000.
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Bonniface, David William, and Catlow, David Brian, to Imperial Chemical Industries Limited. Separating adiponitrile from mixtures. 3,817,841, 6-18-74, Cl. 203-29.000.
Bonnin, Noel James. Patient stretcher transport system. 3,813,712, 6-4-74, Cl. 5-82.000.
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Bonny, Jean-Pierre, to Portescap. Striker for printing chronocomparator diagrams. 3,787,890, 1-22-74, Cl. 346-141.000.
Bonny, Jean-Pierre, to Portescap. Chronocomparator diagram reader. 3,837,083, 9-24-74, Cl. 33-1.00c.
Bonola, Giuseppe; and Stanesi, Enrico, to Recordati S.A. Chemical and Pharmaceutical Company. Process for preparing lower alkyl flavone-7-oxyacetates. 3,812,156, 5-21-74, Cl. 260-345.200.
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Bonora, Aldo L. Kitchen cleaning utensil. 3,800,352, 4-2-74, Cl. 15-105.000.
Bonori, Maurizio, Franconi, Cafiero, and Galuppi, Paolo, to Consiglio Nazionale delle Ricerche. Multichannel spin resonance frequency memory device. 3,833,931, 9-3-74, Cl. 340-173.0nc.
Bonsky, Elmer C.: *See*—
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Bonvicini, Giacomo, to Fox Motori di CECI Napoleone & C.s.a.s. Ignition system for internal-combustion-micro-engines. 3,836,800, 9-17-74, Cl. 310-70.00a.
Bonvin, Jacques, to Societe Internationale de Mecanique Industrielle S.A. Shaft packing. 3,810,637, 5-14-74, Cl. 277-96.000.
Bonyhard, Peter Istvan, to Bell Telephone Laboratories, Incorporated. Single wall domain coding circuit. 3,786,446, 1-15-74, Cl. 340-174.0tf.
Bonyhard, Peter Istvan, to Bell Telephone Laboratories, Incorporated. Magnetic, single wall domain, or logic using chevron domain propagating elements. 3,789,373, 1-29-74, Cl. 340-174.0tf.
Bonzano, Giorgio; Lesca, Pier Carlo, and Ponzano, Luigi, to Olivetti, Ing., C., & C., S.p.A. Transducer positioning mechanism. 3,789,378, 1-29-74, Cl. 340-174.10c.
Bonzi, Stephen A., to Babcock & Wilcox Company, The. Pallet clamp. 3,804,398, 4-16-74, Cl. 269-218.000.
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Schmidt, Karl; and Boockmann, Gerhard, 3,793,250.
Boocock, David; Bing, Alan J.; and Preston, Kevin S., to British Railways Board. Railway car centrifugal force stabilizing device. 3,845,724, 11-5-74, Cl. 105-164.000.
Boocock, David G. B., Dorchai, Raphael O., Osiecki, Jeanne H., and Ullman, Edwin F., to Syva Corporation. 4,5-Substituted N-oxy and hydroxy hydroimidazoles. 3,799,942, 3-26-74, Cl. 260-309.600.
Booe, James M., to Mallory, P. R., & Co., Inc. Method of making a capacitor utilizing bonded discrete polymeric film dielectrics. 3,851,363, 12-3-74, Cl. 29-25.420.
Booen, James M., to Mallory, P. R., & Co., Inc. Method of making a capacitor. 3,783,480, 1-8-74, Cl. 29-25.042.
Boogers, Wilhelmus P. L., to Arenco-P.M.B.N.V. Device for cutting bunch leaves or wrappers for fillers of cigars respectively. 3,838,697, 10-1-74, Cl. 131-26.000.
Booher, Harold R.: *See*—
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Book Covers, Inc.: *See*—
Carter, Leewood C.; and Mullen, Edward K., 3,815,920.
Book, Nils E. E., to AB Motala Verkstad. Multi-story press with simultaneously opening and closing stories. 3,840,314, 10-8-74, Cl. 425-338.000.
Booker, Clyde A., Jr., to Westinghouse Electric Corporation. Elevator door cycling control. 3,814,214, 6-4-74, Cl. 187-29.00r.
Booker, Clyde A., Jr., to Westinghouse Electric Corporation. Elevator system. 3,841,443, 10-15-74, Cl. 187-29.00r.
Booker, Clyde A., Jr., to Westinghouse Electric Corporation. Elevator system. 3,854,554, 12-17-74, Cl. 187-29.00r.
Booker, Graham Roger: *See*—
Joy, David Charles; and Booker, Graham Roger, 3,786,271.
Booker, William J. W., to Oliver Tom's Catering Equipment Limited. Ovens. 3,847,134, 11-12-74, Cl. 126-21.00a.
Bookless, George W., to Bell & Howell Company. Margin control means for duplicator drum. 3,783,784, 1-8-74, Cl. 101-248.000.
Bookless, George W., to Bell & Howell Company. Quick release magnetic latch. 3,802,034, 4-9-74, Cl. 24-201.00b.
Bookless, George W., to Bell & Howell Company. Mechanism for separating side guides and raising pin separators. 3,807,725, 4-30-74, Cl. 271-171.000.
Bookless, George W.; Hertel, Heinz E., and Kearney, Robert L., to Bell & Howell Company. Microfilm camera apparatus. 3,836,250, 9-17-74, Cl. 355-65.000.
Bookout, Floyd V., to Roch-Ola Manufacturing Corporation. Vending machine control circuit. 3,848,718, 11-19-74, Cl. 194-1.00m.
Books, William C., to Bethlehem Steel Corporation. Method for preventing early damage to furnace refractory shapes. 3,832,478, 8-27-74, Cl. 13-35.000.
Bookwalter, George N., to United States of America, Agriculture. Method for preparing a liquid iron-fortifying composition. 3,809,773, 5-7-74, Cl. 426-380.000.
Boom, Abraham A., to Celanese Corporation. Vacuum lock for plasma treatment of substrates. 3,823,489, 7-16-74, Cl. 34-242.000.
Boom, Abraham A., to Celanese Corporation. Method for plasma treatment of substrates. 3,824,398, 7-16-74, Cl. 250-325.000.
Boom, Clarence O.; and Hanson, Laurence B., to Gardner-Denver Company. Telescopic rock drill feed. 3,807,510, 4-30-74, Cl. 173-160.000.
Boom, Roger John: *See*—
Arnold, John Spencer, Beck, George Morland, Boom, Roger John, Cosserat, David Cockburn, Hodges, Kenneth James Hamer; Sandeman, Theodor Duncan, Williams, Roger Morley, and O'Halloran, Michael, 3,787,818.
Booman, Glenn L., and Delmastro, Joseph R., to United States of America, Atomic Energy Commission. Porous metal insulator sandwich membrane. 3,794,174, 2-26-74, Cl. 210-321.000.
Boomer, Roger C., to Sybron Corporation. Vapor compression distillation. 3,796,640, 3-12-74, Cl. 203-11.000.
Boomers, Jerry L.: *See*—
Egtvedt, Robert B.; Wolfer, Anthony J.; Conners, Edward V., Jr.; and Boomers, Jerry L., 3,802,016.
Boomgaard, Dirk J.: *See*—
Young, Frederick J.; Thompson, Francis T.; and Boomgaard, Dirk J., 3,846,771.
Boomsma, Pieter: *See*—
Wierts, Derk; and Boomsma, Pieter, 3,796,975.
Boon, Bruce T. E., to Eastern Cyclone Industries, Inc. Feding device for bulk material to a pneumatic conveying system. 3,807,807, 4-30-74, Cl. 302-42.000.
Boon, Bruce Theodore Edward, to Eastern Cyclone Industries, Inc. Anti-stoppage apparatus and method for air conveying systems. 3,829,165, 8-13-74, Cl. 302-59.000.

Boon, Bruce Theodore Edward, to Eastern Cyclone Industries, Inc. Pneumatic trash-garbage pickup device. 3,847,293, 11-12-74, Cl. 214-302.000.

Boone, David E.: *See—*
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Boone, David E., to Standard Oil Company. Chromyl bis-(triorganotitanates) and related compounds. 3,847,957, 11-12-74, Cl. 260-429.500.

Boone, Jack L.: *See—*
Stati, Wayne H.; and Boone, Jack L., 3,829,903.

Boone, James A.; Walker, Harold G.; and Huffman, Galen R., to Ideal Industries, Inc. Multiple-gang disc-type ground tillage implement. 3,845,825, 11-5-74, Cl. 172-158.000.

Boone, Jerry C., to Allis-Chalmers Corporation. Double outlet transverse fan. 3,800,804, 4-2-74, Cl. 130-27.0hf.

Boone, Jimmie H.: *See—*
Simpson, Robert D.; Boone, Jimmie H., and Chenkovich, Gary A., 3,801,049.
Simpson, Robert D.; and Boone, Jimmie H., 3,847,328.

Boone, Jimmie H.; Chenkovich, Gary A., Corcoran, Brian F.; Marley, Arley C., III; and Simpson, Robert D., to Boeing Company, The. Automatic approach landing and go-around roll axis control system for aircraft. 3,843,077, 10-22-74, Cl. 244-77.00a.

Boone, Philip. Device for cleansing and sanitation purposes. 3,796,185, 3-12-74, Cl. 118-325.000.

Boone, Philip. Supplemental sheet-dispensing device for a toilet-tissue dispenser. 3,824,953, 7-23-74, Cl. 118-75.000.

Boone, Philip. Device for providing treated sheet-like materials. 3,830,198, 8-20-74, Cl. 118-506.000.

Boone, Philip. Supplemental sheet-dispensing device for a toilet-tissue dispenser. 3,837,595, 9-24-74, Cl. 242-55.300.

Boone, Philip. Dispensing device. 3,848,822, 11-19-74, Cl. 242-55.200.

Boone, Ralph D. Reciprocating cable alignment actuator. 3,831,623, 8-27-74, Cl. 137-344.000.

Boone, Robert L. Fishing lure. 3,824,732, 7-23-74, Cl. 43-42.050.

Boone, Roger S.; and Pyott, Frank. Contact lens holder. 3,791,689, 2-12-74, Cl. 294-1.0ca.

Boone, Salomon; and Van der Heiden, Frans, to U.S. Philips Corporation. Package containing electric components. 3,797,655, 3-19-74, Cl. 206-325.000.

Boonen, Henry: *See—*
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Boonie Pad Co., Inc.: *See—*
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Boonstra, Alexander Hendrik; and Schampers, Paulus Phillippus Maria, to U.S. Philips Corporation. Method of doping the surface of a metal-oxygen compound. 3,813,292, 5-28-74, Cl. 117-215.000.

Boontje, Jan Th., to Verenigde Kunstmestfabrieken Mekog-Albatros N.V. Rotating disc contactor. 3,837,812, 9-24-74, Cl. 23-273.00f.

Boop, John L.; and Rudinec, Joseph P., to Commercial Shearing Inc. Rotary pumps and motors. 3,830,602, 8-20-74, Cl. 418-131.000.

Boorman, Earl D., Jr., to General Electric Company. Ice tunnel mounting. 3,832,863, 9-3-74, Cl. 62-298.000.

Boos, Walter R.: *See—*
Von Schmeling, Bogislav; and Boos, Walter R., 3,808,316.

Boosen, Karl-Josef: *See—*
Hardt, Peter; and Boosen, Karl-Josef, 3,808,232.

Boosen, Karl-Josef, to Lonza Ltd. Process for making orotic acid 3,814,763, 6-4-74, Cl. 260-260.000.

Boosen, Karl-Josef, to Lonza Ltd. Process for the production of tetronic acid. 3,824,255, 7-16-74, Cl. 260-343.600.

Boostrom, Roy Edward; Mandell, Arman, and Malter, Lewis, to Sargent-Welch Scientific Company. Holder unit for optical instrumental analysis system. 3,806,259, 4-23-74, Cl. 356-244.000.

Booth, Albert B., to Hercules Incorporated. Method of preparing monoalcohols from p-menthane-3,4-diol and p-menthane-1,2-diol 3,801,655, 4-2-74, Cl. 260-631.00h.

Booth, Alexander Norval, Jr.: *See—*
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Booth, Alfred E., to Raytheon Company. Dual balanced reciprocal waveguide phase shifter. 3,833,868, 9-3-74, Cl. 333-98.00r.

Booth, Charles Lawrence, to Du Pont de Nemours, E. I., and Company. Circuit package with fugitive shorting bar. 3,820,152, 6-25-74, Cl. 357-74.000.

Booth, Clarence R., Jr., to Continental Can Company, Inc. Compartmentalized carton. 3,825,174, 7-23-74, Cl. 229-28.00b.

Booth, Dennis: *See—*
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Booth, Dwight A. Foot-operated speed control for air-driven tool 3,855,704, 12-24-74, Cl. 32-28.000.

Booth, Frank B., to Union Oil Company of California. Startup of rhodium catalyzed hydroformylation reactions. 3,801,646, 4-2-74, Cl. 260-604.0hf.

Booth, Frank B., to Union Oil Company of California. Recovery of catalyst complexes. 3,857,895, 12-31-74, Cl. 260-604.000.

Booth, Franklin W., and Bruce, Robert A., to United States of America, National Aeronautics and Space Administration. Centrifugal lyophobic separator. 3,828,524, 8-13-74, Cl. 55-43.000.

Booth, Gary E.: *See—*
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Booth, Gary Edwin, to Procter & Gamble Company, The. Detergent compositions. 3,844,952, 10-29-74, Cl. 252-8.750.

Booth, Jack J.: *See—*
Branch, William C.; and Booth, Jack J., 3,853,245.

Booth, Jack J., to Branch, William C. Stadium filler. 3,809,292, 5-7-74, Cl. 222-146.00c.

Booth, John Frederick, to Hepworth Iron Company Limited, The. Manufacture of hollow clayware articles. 3,822,988, 7-9-74, Cl. 432-5.000.

Booth, Larry H., to Power Parts Company. Lever actuated cylinder head test valve. 3,807,689, 4-30-74, Cl. 251-238.000.

Booth, Newell O., to United States of America, Navy. Induced doppler sonar. 3,827,022, 7-30-74, Cl. 340-3.00r.

Booth, Richard L., to Taylor, S. G., Chain Company, Inc. Chain inspection and repair system. 3,788,062, 1-29-74, Cl. 59-35.000.

Booth, Robert Arthur: *See—*
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Booth, Robert Ben, to American Cyanamid Company. Conveying polyelectrolyte fluidized aqueous suspensions powdered solids. 3,836,200, 9-17-74, Cl. 302-66.000.

Booth, Robert Ben, to American Cyanamid Company. Polyelectrolyte fluidized aqueous suspensions. 3,842,013, 10-15-74, Cl. 252-315.000.

Booth, Robert Ben, to American Cyanamid Company. Leaching uranium ores fluidized with a polyelectrolyte. 3,852,403, 12-3-74, Cl. 423-18.000.

Booth, Stuart Eric, to British Non-Ferrous Metals Research Association, The. Method and apparatus for controlling low pressure die casting. 3,842,893, 10-22-74, Cl. 164-4.000.

Booth, Thomas Allan: *See—*
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Booth, William M.: *See—*
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Boothe, Clyde O., to Farr Company. Automated spot welding method and apparatus. 3,798,405, 3-19-74, Cl. 219-56.000.

Boothe, Clyde O.; Culbert, Robert M., and Farr, Richard S., to Farr Company. Pleated air filter cartridge. 3,853,529, 12-10-74, Cl. 55-499.000.

Boothe, Jerry Emile; Sharpe, Andrew Jackson, Jr., and Seese, Kathleen Ann, to Calgon Corporation. Electroconductive paper 3,813,264, 5-28-74, Cl. 117-201.000.

Boothe, Willis Anson, to General Electric Company. Method and apparatus for controlling the ratio of gases in a mixture. 3,844,304, 10-29-74, Cl. 137-7.000.

Boothman, David Richard, and Nutt, David Walter, to Canadian General Electric Company, Limited. Detector for reverse and open phase in a three phase circuit. 3,838,314, 9-24-74, Cl. 317-48.000.

Boothman, David Richard; and Nutt, David Walter, to Canadian General Electric Company, Limited. Solid state thermal overload indicator. 3,845,354, 10-29-74, Cl. 317-13.00b.

Boothman, David Richard; and Nutt, David Walter, to Canadian General Electric Company, Limited. Circuit for detecting phase unbalance in a three phase supply. 3,848,160, 11-12-74, Cl. 317-27.00r.

Boothroy, George. *See—*
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Baker, Maurice William, Crowley, Jennifer, Watkins, Thomas Iswel, and Clark, Nigel George, 3,852,457.
Lumb, Melvyn, Macey, Peter Edward, Wright, Richard Donald, and Petchell, Roy Kenneth, 3,801,468.
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Booy, Max Lorenz, to Du Pont de Nemours, E. I., and Company. Shaft seal throttle bushing. 3,804,423, 4-16-74, Cl. 277-1.000.

Bopp & Reuther GmbH: *See—*
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Bopp, Anton, deceased (by Bopp, Martha, heir). Method for surface hardening steel and cemented carbides. 3,802,928, 4-9-74, Cl. 148-6.000.

Bopp, Cecil W. Device for holding and moving a work object 3,814,413, 6-4-74, Cl. 269-58.000.

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Bopp, Warren G., to Eaton Corporation. Hydrokinetic coupling sleeve seal. 3,831,378, 8-27-74, Cl. 60-353.000.

Boppart, Loren P.: *See—*
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Bor, Maria, nee Szabo: *See—*
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Boraas, Stan L. C.; and Nystuen, Marcus L., to Economics Laboratory, Inc. Additive control and injection system useful in laundry machine operations. 3,826,113, 7-30-74, Cl. 68-12.00r.

Borachok, William. *See—*
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Borchard, Heinz, Kasch, Robert; and Rybka, Bruno, to TED Bildplatten Aktiengesellschaft AEG-Telefunken-Teldec. Apparatus for stamping information carriers from a plastic foil. 3,819,315, 6-25-74, Cl. 425-383.000.

Borchardt, Hans J., to Du Pont de Nemours, E. I., and Company. Heat transfer fluids. 3,812,040, 5-21-74, Cl. 252-68.000.

Borchardt, Hans J. Line release trolling planer. 3,835,573, 9-17-74, Cl. 43-43.120.

Borchert, Alfred E., Goff, Frank M., and Miron, Jerry, to Atlantic Richfield Company. Polyurethane coating composition suitable for use in low temperature environments. 3,810,871, 5-14-74, Cl. 260-47.0cb.

Borchert, Earl E., to Ferro Corporation. Bacterial spoilage inhibited metal working lubricant compositions. 3,791,974, 2-12-74, Cl. 252-49.500.

Borchert, Edgar, and Sommer, Karl-Heinz, to Licentia Patent-Verwaltungs-GmbH. Method for producing homogeneously doped zones in semiconductor devices. 3,856,586, 12-24-74, Cl. 148-186.000.

Borchert, Ernst, III, to Omark-Winslow Aerospace Tool Co. End mill grinder. 3,816,995, 6-18-74, Cl. 51-96.000.

Borchert, Jerome A., to Continental Can Company, Inc. Compartment bag assembly for dispensing containers. 3,828,977, 8-13-74, Cl. 222-95.000.

Borchsenius, Erik, to International Business Machines Corporation. Input/output channel relocation storage protect mechanism 3,839,706, 10-1-74, Cl. 340-172.500.

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Borden, A. Gale. Waste disposal assembly and process for treating same. 3,821,106, 6-28-74, Cl. 210-1.000.

Borden, Charles M.: *See—*
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Fisher, Harold R., McGough, Thomas H., and Borden, Charles M., 3,796,106.

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Borden, John V. Pulsed air toothbrush and method. 3,823,710, 7-16-74, Cl. 128-40.000.

Borden, John V. Contour dental X-ray film. 3,851,178, 11-26-74, Cl. 250-478.000.

Bordenca, Carl, to SMC Corporation. Insect repellent compositions and process containing (N-dialkylaminoalkoxyalkyl) terpenylamine. 3,808,339, 4-30-74, Cl. 424-325.000.

Bordenca, Carl, Johnson, Robert P., and Dorschner, Kenneth P., to SCM Corporation. Insect repellent compositions and process having an N-substituted hydroxyalkyl amine as an ingredient. 3,826,842, 7-30-74, Cl. 424-325.000.

Bordenca, Carl, to SCM Corporation. Insecticidal compositions stabilized by certain diisophorone derivatives. 3,839,561, 10-1-74, Cl. 424-174.000.

Bordenca, Carl, and Dorschner, Kenneth P., to SCM Corporation. Anti-microbial diaralkylaminoalkyl ethers and process for protecting plants. 3,842,179, 10-15-74, Cl. 424-330.000.

Bordenca, Carl, and Derfer, John M., to SCM Corporation. Insecticidal compositions containing certain terpene ethers and pyrethrinoids. 3,849,571, 11-19-74, Cl. 424-282.000.

Borders, Bert: *See—*
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Borders, Bert; Rivkowich, Harold, and Rehman, Warren C., to Tetley, Inc., mesne. Method for solubilizing tea cream. 3,787,590, 1-22-74, Cl. 426-366.000.

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Bore, Pierre, to Societe Anonyme dite: L'Oreal. Cosmetic compounds. 3,803,138, 4-9-74, Cl. 260-242.000.

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Bernard, Jean, Borel, Joseph, Glotin, Philippe, and Lacour, Jacques, 3,816,905.

Borel, Joseph, Deutsch, Jean-Claude, Labrunie, Guy, and Robert, Jacques, to Commissariat a l'Energie Atomique. Device for deflecting a light beam. 3,791,716, 2-12-74, Cl. 350-160.01c.

Borel, Joseph, Lacour, Jacques, and Merckel, Gerard, to Commissariat a l'Energie Atomique. Charge-coupled device and method of fabrication of the device. 3,829,884, 8-13-74, Cl. 357-24.000.

Borel, Joseph, Deutsch, Jean-Claude, Labrunie, Guy, and Robert, Jacques, to Commissariat a l'Energie Atomique. Liquid crystal diffraction grating. 3,843,231, 10-22-74, Cl. 350-160.0lc.

Borel, Robert J., Foote, James C., Jr., and Warren, Horace G., to Eastman Kodak Company. Photographic film handling improvement. 3,826,655, 7-30-74, Cl. 96-76.00r.

Borell, James J., and Bonham, Arthur R. Musical instruments 3,786,167, 1-15-74, Cl. 84-1.160.

Borelli, Ronald F., to Honeywell Information Systems, Inc. Electrographic forms print station. 3,812,780, 5-28-74, Cl. 101-216.000.

Borelli, Ronald F., and Garand, Donald J., to Honeywell Inc. Printing method. 3,839,071, 10-1-74, Cl. 117-37.0le.

Borello, Giuseppe. Detergent compositions and methods for making same. 3,824,189, 7-16-74, Cl. 252-99.000.

Boren, Karl Gunnar: *See—*
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Boren, William M. Playing card distribution apparatus. 3,814,436, 6-4-74, Cl. 273-149.00p.

Borer, John J., Jr., and Borer, Patricia O. Garment pattern weight 3,813,727, 6-4-74, Cl. 16-1.000.

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Borer, John J., Jr., and Borer, Patricia O., 3,813,727.

Borg, Henry A., to United States of America, Army. Vehicle test fixture. 3,827,289, 8-6-74, Cl. 73-71.000.

Borg, Henry A. Vehicle test fixture. 3,828,614, 8-13-74, Cl. 74-16.000.

Borg, John P. Portable self-cleaning door mat. 3,786,531, 1-22-74, Cl. 15-310.000.

Borg, Paul E.: *See—*
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Borg, Sven Christer; Hesson, Christer Ragnar; and Nilsson, Erik Henning, to Aktiebolaget Electrolux. Turning movement device for material handling apparatus. 3,848,753, 11-19-74, Cl. 214-1.00b.
Borg, Sven-Bertil; and Ohman, Claes Thomas, to AGA Aktiebolag. Method for the detection of material defects of a product by means of pick-up of heat radiation emitted from the product. 3,808,438, 4-30-74, Cl. 250-340.000.
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Bossert, Friedrich. *See*—
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Bosshard, Fritz. Book binding method and machine therefor. 3,782,306, 1-1-74, Cl. 112-21.000.
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Bosse, Frank, to Windmoller & Holscher Method of impulse welding layers of plastic material 3,824,144, 7-16-74, Cl. 156-306.000

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Bosshard, Hans, Diamantoglou, Michael, Kuelliker, Hans Peter, and Karlen, Urs, to Ciba-Geigy AG Anthraquinone dyestuffs which are sparingly soluble in water 3,819,665, 6-25-74, Cl. 260-376.000

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Bosshard, Rene, Gubler, Kurt, Aufderhaar, Ernst, and Brennersen, Paul, to Ciba-Geigy Corporation Control of helminths with 4-(isothiocyanophenyl)-thiazoles 3,803,316, 4-9-74, Cl. 424-270.000

Bosshardt, Ernst, to Sulzer Brothers Ltd Plant for treating water, in particular sewage or sludge 3,854,875, 12-17-74, Cl. 21-102.00r

Bosshardt, Wilham, to Bohn Benton Inc Ink supply with motion accumulator for stencil duplicator 3,804,012, 4-16-74, Cl. 101-122.000

Bossi, Giorgio, and Schiaparelli, Aldo, to Honeywell Information Systems Italia D C. motor speed control system through phase control and phase locking circuit. 3,858,100, 12-31-74, Cl. 318-314.000.

Bossler, Fred Christian, and Kent, William Harold, Jr., to Bell Telephone Laboratories, Incorporated Detection of metal shield faults in buried cable 3,792,350, 2-12-74, Cl. 324-52.000.

Bossler, Robert B., Jr , to Kaman Aerospace Corporation Bolt head which measures and maintains preload 3,812,758, 5-28-74, Cl. 85-62.000

Bossler, Robert B., Jr., to Kaman Aerospace Corporation Apparatus for measuring wear of rod end bearings. 3,845,735, 11-5-74, Cl. 116-114.00q.

Bosso, Joseph F.; Burrell, Lomer; and Wismer, Marco, to PPG Industries, Inc. Quaternary ammonium epoxy resin dispersion with boric acid for cationic electro-deposition. 3,839,252, 10-1-74, Cl. 260-29.2ep.

Bossons, Walter Howard, Lindstaedt, Horst Karl, and Jones, Graham Robin Scott, to Masson Scott Thrissell Engineering Limited Curl Corrector apparatus for operating on a continuous web 3,799,038, 3-26-74, Cl. 93-1.00r

Bossons, Walter Howard, to Masson Scott Thrissell Engineering Limited Programmed surface inspection using radiation sensitive means 3,803,420, 4-9-74, Cl. 250-562.000

Bossons, Walter Howard, to Masson Scott Thrissell Engineering Limited Rotary drive controls 3,833,843, 9-3-74, Cl. 318-11.000

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Bostian, Logan C , to Allied Chemical Corporation Trisubstituted-s triazines 3,812,120, 5-21-74, Cl. 260-249.800

Bostic, Carlton Ray, and Davis, John Maxwell, to Du Pont de Nemours, E I , and Company Stabilization of polyamide 3,814,728, 6-4-74, Cl. 260-45.75c

Bostick, Edgar F , and Gilbert, Alfred R Crosslinking of aromatic polymers with organic polysulfonazides 3,855,184, 12-17-74, Cl. 260-79.30r

Bostick, Frank W *See*—
Landis, Earle H , and Bostick, Frank W , 3,791,045
Saganowski, Mieczyslaw, and Bostick, Frank W , 3,839,614

Bostick, William Derry, and Carr, Peter William, to Research Corporation Blood coagulation timer 3,821,643, 6-28-74, Cl. 324-65.00r

Bostley, Robert J , to Bendix Corporation, The Device for gripping, driving and supplying coolant to a cutting tool having coolant passages therein 3,791,660, 2-12-74, Cl. 279-20.000

Boston, Denis R , to Olin Corporation Adjustable scarfing tool 3,789,734, 2-5-74, Cl. 90-24.00b

Boston, Denis R , to Olin Corporation Adjustable scarfing tool 3,819,898, 6-25-74, Cl. 219-8.500

Boston Insulated & Cable Co *See*—
Toomajanian, Vasken R , 3,820,927

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Garshick, Alfred, 3,794,750

Boston, Louis R *See*—
Andersen, Delmar L , Boston, Louis R , and Seleen, William A , 3,852,158

Boston Machine Works Co *See*—
Boynton, Sumner, 3,851,622
DeCoulos, John, 3,824,643

Boston, Ray W , Jr , and Potts, Larry D , to General Electric Company Room air conditioner mounting arrangement 3,811,370, 5-21-74, Cl. 98-94.000

Bostrom, Bertil Ingemar *See*—
Knoos, Stellan, Ljungdahl, Soren F S , and Bostrom, Bertil Ingemar, 3,788,395

Bostrom, Bertil Ingemar, Ljungsahl, Soren Folkl Samuel, and Knoos, Stellan, to AGA Aktiebolag Method of spirally winding strip to produce finned units 3,789,494, 2-5-74, Cl. 29-423.000

Bostrom, Sture, and Nordstrom, Gert, to Robacks Mekaniska Verkstad Bostrom & Soner Mobile concrete station 3,820,762, 6-28-74, Cl. 259-154.000

Bostrowsky, Daniel *See*—
Fritz, Erich, and Bostrowsky, Daniel, 3,787,779

Boswell, Colin Ralph, to United Kingdom Atomic Energy Authority Ionizing radiation apparatus and method for analyzing flowing substances 3,823,316, 7-9-74, Cl. 250-375.000

Boswell, George Albert, Jr., to Du Pont de Nemours, E. I., and Company Process for preparing 16α-methyl-4-pregnene-3,20-dione-6,6-difluoro-17α,21-dihydroxy. 3,814,751, 6-4-74, Cl. 260-239.55r

Boswinkle, George *See*—
Burke, Harry Dennis, and Boswinkle, George, 3,844,948

Boswinkle, George, and Wheaton, Robert Bradford, to Whirlpool Corporation. Continuous wet oxidation system for the home 3,856,672, 12-24-74, Cl. 210-63.000

Bosworth, Clive James Arthur, to British Steel Corporation Internal bead trimmers. 3,783,722, 1-8-74, Cl. 83-1.000.

Bosworth, George H *See*—
Garner, Derek H.; Bosworth, George H.; and Barton, George C., 3,818,526.
Garner, Derek H , Bosworth, George H., and Barker, Roger M , 3,840,929.

Bota of Boulder *See*—
Hagert, Robert D , and Sanderson, James L., 3,830,270.

Botbol, Joseph M Cleated emergency track. 3,836,075, 9-17-74, Cl. 248-14.000.

Botcherby, Stephen Charles Lauder, to Decca Limited. Multiple frequency continuous wave radars. 3,855,594, 12-17-74, Cl. 343-7.500

Botero, Oscar *See*—
Fried, George, and Botero, Oscar, 3,816,033.

Bothner, Manfred Wolfgang, to Bunker Ramo Corporation. Apparatus for testing potentiometers. 3,852,665, 12-3-74, Cl. 324-63.000.

Bothwell, Peter William. Handlebars. 3,834,249, 9-10-74, Cl. 74-551.800.

Botkin, Albert L. Tamper-proof closure arrangement. 3,841,512, 10-15-74, Cl. 215-7.000.

Botko, Georgy Alexandrovich: *See*—
Medovar, Boris Izrailevich; Dubinsky, Rudolf Solomonovich; Medovar, Boris Izrailevich; Dubinsky, Rudolf Solomonovich; Botko, Georgy Alexandrovich; Egorov, Sergei Petrovich; Popov, Lev Vasilievich; Anisiferov, Stanislav Stepanovich; and Kulikov, Anatoly Petrovich, 3,804,149.

Botnick, Irlin H. Fixture shutoff valve with drain. 3,828,815, 8-13-74, Cl. 137-625.260.

Boto, Louis, to United States Steel Corporation. Apparatus for forming a refractory nozzle body. 3,801,058, 4-2-74, Cl. 249-142.000.

Boto, Louis; and Rodger, David B., to United States Steel Corporation. Insulation for water-cooled pipes in a reheating furnace. 3,820,947, 6-28-74, Cl. 432-234.000.

Botos, Imre: *See*—
Almqvist, Hans Olof; and Botos, Imre, 3,820,537.

Botros, Raouf: *See*—
Renfrew, Edgar E.; and Botros, Raouf, 3,797,995.

Botros, Raouf, to American Aniline Products, Inc. Process for dyeing polyester textiles with anthraquinone dyestuffs by thermofixation. 3,785,766, 1-15-74, Cl. 8-21.00c.

Botros, Raouf, to American Aniline Products, Inc. Aromatic polyester textile fibers dyed with bis(arylamino) dihydroxyanthraquinone dyes. 3,791,785, 2-12-74, Cl. 8-39.000.

Botsch, Karl-Heinz: *See*—
Beaucamp, Klaus; Bergmeyer, Hans Ulrich; Botsch, Karl-Heinz; Jaworek, Dieter; and Nelboeck-Hochstetter, Michael, 3,806,417.

Bott, Frank Bouckley, to British Steel Corporation. Industrialised building structure. 3,808,755, 5-7-74, Cl. 52-92.000.

Bott, John A.: *See*—
Cucheran, John S., 3,807,204.

Bott, John A. Automobile wind deflector assembly. 3,799,603, 3-26-74, Cl. 296-1.00s.

Bott, John A. Grab rail for pickup truck. 3,840,250, 10-8-74, Cl. 280-179.00r.

Bott, John A. Ski rack for motor vehicles. 3,848,785, 11-19-74, Cl. 224-42.10f.

Bott, John A. Automobile wind deflector assembly. 3,856,193, 12-24-74, Cl. 224-42.10d.

Bott, Wolfgang: *See*—
Hirn, Helmut; and Bott, Wolfgang, 3,823,741.

Bottaccio, Giorgio; Chiusoli, Paolo; Coassolo, Alfredo; and Carletti, Vittorio, to Montecatini Edison S.p.A. Process for preparing citric acid. 3,798,266, 3-19-74, Cl. 260-535.00p.

Bottcher, Lutz; and Heyne, Karl-August, to Bosch, Robert, Elektronik GmbH. Diagnostic apparatus for automatically generating an intensity-time diagram showing points of minimum involuntary muscle movement. 3,810,457, 5-14-74, Cl. 128-2.10r.

Bottcher, Siegfried; and Speck, Hans-Reimer, to Bosch, Robert, G.m.b.H. Pump-and-motor unit, particularly for supplying fuel. 3,836,291, 9-17-74, Cl. 417-423.000.

Bottenbruch, Ludwig: *See*—
Vernaleken, Hugo; Court, Otto; Bottenbruch, Ludwig; and Lippert, Axel, 3,834,441.

Botteril, John Redvers: *See*—
Baum, Heinz; Camp, Eckart Op Den; Schrader, Gert; and Botteril, John Redvers, 3,841,444.

Bottger, Christa: *See*—
Haustein, Heiner; Laube, Dieter; and Bottger, Christa, 3,844,141.

Botting, Albert L. Sheath for curling broom. 3,806,862, 11-12-74, Cl. 15-210.00r.

Bottini, Michael Lucien, to Monsanto Company. Opto-isolator devices and method for the fabrication thereof. 3,808,673, 5-7-74, Cl. 29-577.000.

Bottjer, Richard E.; Johnson, Delp W.; Poole, William F.; and Storm, James P., to Johnson, Delf W., Poole & Storm, Architects. Folding contoured wall. 3,808,754, 5-7-74, Cl. 52-70.000.

Bottoms, Clifford C., to Dresser Industries, Inc. Jarring tool. 3,834,471, 9-10-74, Cl. 175-304.000.

Bottoms, Eugene R., to Chevron Research Company. Method of accurately measuring, depthwise, well casing collars for interpretative purposes. 3,789,292, 1-29-74, Cl. 324-34.00r.

Bottoms, Harry Simister, to Lucas, Joseph, (Industries) Limited. Hydraulic accumulator. 3,783,905, 1-8-74, Cl. 138-30.000.

Bottoms, Harry Simister Pumps for liquids. 3,790,312, 2-5-74, Cl. 417-424.000.

Bottoms, Harry Simister Centrifugal pumps. 3,802,796, 4-9-74, Cl. 415-144.000.

Bottoms, Harry Simister, to Lucas, Joseph, (Industries) Limited. Gear pumps and motors. 3,825,377, 7-23-74, Cl. 418-170.000.

Bottoms, Harry Simister, to Lucas, Joseph, (Industries) Limited. Electrically driven pump. 3,826,595, 7-30-74, Cl. 417-370.000.

Bottoms, Harry Simister, to Lucas, Joseph, (Industries) Limited. Apparatus for connecting pipes to an aircraft engine. 3,841,670, 10-15-74, Cl. 285-101.000.

Bottoms, Harry Simister, to Lucas Aerospace Limited. Centrifugal pumps for pumping liquids. 3,847,503, 11-12-74, Cl. 425-143.000.

Bottonari, Kenneth Charles: *See*—
Blane, Leslie Lewis; Bottonari, Kenneth Charles; and Lewis, Edward Earl, 3,828,140.

Bottone, Salvatore, Jr., to General Electric Company. Apparatus for controlling variation in a characteristic of strand-like material. 3,829,751, 8-13-74, Cl. 318-645.000.

Bottorf, Robert G., to FMC Corporation. Floating water screen. 3,843,520, 10-22-74, Cl. 210-161.000.

Bottorff, Edmond M.: *See*—
Jackson, Billy G.; Stamper, Martha C.; and Bottorff, Edmond M., 3,843,642.
Jackson, Billy G.; Stamper, Martha C.; and Bottorff, Edmond M., 3,853,863.

Bottorff, Richard D. Football practice apparatus. 3,823,939, 7-16-74, Cl. 273-55.00r.

Bottos, Baltassar. Insect trap. 3,824,734, 7-23-74, Cl. 43-121.000.

Bottum, Edward W.: *See*—
Rockwell, Frank H.; and Bottum, Edward W., 3,837,177.

Boubel, Richard W., to Rader Companies, Inc. Method and apparatus for measuring particulate emissions in gas flow. 3,841,145, 10-15-74, Cl. 73-28.000.

Bouboulis, Constantine J., to Esso Research and Engineering Company. Catalytic epoxidation with molecular oxygen. 3,843,691, 10-22-74, Cl. 260-348.50v.

Bouchard, Andre C.; Shinn, Dennis B.; and Shaffer, John W., to GTE Sylvania Incorporated. Photoflash lamp. 3,792,957, 2-19-74, Cl. 431-93.000.

Bouchard, Jean: *See*—
Savall, Vincent; Treille, Pierre; and Bouchard, Jean, 3,831,750.

Bouchard, Joseph. Sterilizing apparatus. 3,789,228, 1-29-74, Cl. 250-993.000.

Bouchard, Robert J., to Du Pont de Nemours, E. I., and Company. Crystalline bismuth-containing oxides. 3,847,829, 11-12-74, Cl. 252-63.500.

Bouchaudon, Jean; and Jolles, Georges, to Rhone-Poulenc S.A. Process for the preparation of cyclopeptides derived from polymyxins. 3,817,973, 6-18-74, Cl. 260-112.500.

Bouchaudon, Jean; Vourat, Guy; and Margrafe, Rodolphe, to Rhone-Poulenc S.A. Polyoxetanes which can be used in peptide synthesis. 3,847,868, 11-12-74, Cl. 260-47.00r.

Bouchei, Claude; and Tomasovitch, Jean, to International Standard Electric Corporation. Distributor for a centrally controlled telephone switching system. 3,794,777, 2-26-74, Cl. 179-18.0gf.

Boucher, Armand R., to Seagram, Joseph E., & Sons, Inc. Whiskey barrel. 3,842,723, 10-22-74, Cl. 99-277.100.

Boucher, C. Wendell, to Communication Mfg. Co. Active shunt impedance for compensating impedance of transmission line. 3,814,867, 6-4-74, Cl. 179-170.00g.

Boucher, Harry, to Gardner-Denver Company. Recording instrument for determining rate of penetration in a borehole. 3,842,507, 10-22-74, Cl. 33-134.00r.

Boucher, Paul A. Adjustable trailer tongue. 3,830,522, 8-20-74, Cl. 280-405.00r.

Boucher, Raymond Claude Emile: *See*—
Taxil, Andre Marc Victorin; and Boucher, Raymond Claude Emile, 3,848,150.

Boucher, Raymond M. G., to Wave Energy Systems Inc. Apparatus for continuous sterilization at low temperature. 3,837,805, 9-24-74, Cl. 21-102.00a.

Boucher, Raymond R.: *See*—
Struthers, John O.; Miller, John A.; and Boucher, Raymond R., 3,802,255.

Boucher, Raymond W.; Boudreau, Robert; and Conti, John A., to Hedstrom Co. Saddle support system. 3,849,008, 11-19-74, Cl. 403-104.000.

Boucher, Reginald Comyn, to E.P.S. (Research & Development) Limited. Enclosures. 3,783,766, 1-8-74, Cl. 98-33.00r.

Boucher, Richard A., to Dart Industries Inc. Combined food storage container and mold therefor. 3,837,775, 9-24-74, Cl. 425-195.000.

Boucherie, G. B., naamloze vennootschap, Firma: *See*—
Boucherie, Gerard Benoni, 3,818,534.

Boucherie, Gerard Benoni, to Boucherie, G. B., naamloze vennootschap, Firma. Brush. 3,818,534, 6-25-74, Cl. 15-195.000.

Boucherville, Benoit Jean: *See*—
Henshaw, Charles H.; and Boucherville, Benoit Jean, 3,838,814.

Bouchet, Claude; and Ziliotto, Vittorio, to International Standard Electric Corporation. Electronic scanner checking process and system. 3,786,431, 1-15-74, Cl. 340-172.500.

Boucris, Hubert, to Compagnie Generale d'Automatisme. Self-adhering label. 3,833,452, 9-3-74, Cl. 161-112.000.

Boud, Colin G. Fluid containers. 3,799,270, 3-26-74, Cl. 169-28.000.

Boudakian, Max M.; and Chiras, Stanley J., to Olin Corporation. Method for the preparation of difluoropyridines. 3,798,228, 3-19-74, Cl. 260-290.0hl.

Boudakian, Max M., to Olin Corporation. Halogenation of diaminopyridines in acidic media. 3,849,429, 11-19-74, Cl. 260-296.00r.

Boudard, Jean; and Marcellin, Louis, to Wendel-Sidelor and Societe d'Aerodynamique et de Thermodynamique. Method and apparatus for recovering the energy of expansion of wet dusty gases under pressure. 3,818,707, 6-25-74, Cl. 60-685.000.

Boudault, Robert; and Guion, Christian, to U.S. Philips Corporation. Safety circuit for the detection of the simultaneous actuation of two antagonizing units. 3,857,061, 12-24-74, Cl. 315-130.000.

Boudeman, Robert J.: *See*—
Alexander, Carl J.; and Boudeman, Robert J., 3,842,667.

Boudet, Georges: *See*—
De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges, Meyer, Jean-Claude, Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis; Charpentier, Jacques Georges; and Jacquot, Alain, 3,825,982.

Boudewijns, Henricus Petrus Johannes; and Creefkes, Johannes Anton, to U.S. Philips Corporation. Speech-controlled switching arrangement. 3,794,763, 2-26-74, Cl. 179-1.0vc.

Boudewyn, Robert H. Floor drain. 3,854,151, 12-17-74, Cl. 4-288.000.

Boudinot, Ralph A. Windbreakers for railway locomotives. 3,791,313, 2-12-74, Cl. 105-456.000.

Boudouris, Angelo; and Gray, Geoffrey T., to Eprad Incorporated Reflector apparatus. 3,827,782, 8-6-74, Cl. 350-295.000.

Boudreau, Donald A. Drawer arranger. 3,837,477, 9-24-74, Cl. 206-72.000.

Boudreau, Robert: *See*—
Boucher, Raymond W.; Boudreau, Robert; and Conti, John A., 3,849,008.

Boudreau, Robert Joseph, to Smyth Manufacturing Company, The. Seaming tool 3,797,430, 3-19-74, Cl. 113-55.000.

Boudrie, Jack D.: *See*—
Lederman, Burton E.; and Boudrie, Jack D., 3,846,223.

Boudry, Jean-Marie, to Sescosem-Societe Europeene de Semiconducteurs et de Microelectronique de Microelectronique. Pulses generating system. 3,802,180, 4-9-74, Cl. 58-23.00r.

Bouee, Vincent: *See*—
Bardet, Serard; Gayot, Jean; and Bouee, Vincent, 3,791,304.

Bouffard, Joseph T.: *See*—
McManus, Walter K.; Bouffard, Joseph T.; and Harris, Lennard D., 3,825,047.

Bougard, Georges. Water cooling of wall surfaces. 3,845,813, 11-5-74, Cl. 165-47.000.

Boughton, Julius. Power door lock. 3,820,284, 6-28-74, Cl. 49-449.000.

Boughton, Peter: *See*—
Needham, James C.; and Boughton, Peter, 3,792,225.

Bougon, Pierre P. A.: *See*—
Paris, Philippe Y. J.; Bougon, Pierre P. A.; and Guimard, Lucien, 3,849,597.

Bouillard, Henry: *See*—
Bouillard, Rene; and Bouillard, Henry, 3,829,023.

Bouillard, Rene; and Bouillard, Henry. Atomizing device. 3,829,023, 8-13-74, Cl. 239-318.000.

Bouille, Jean Bernard; Ledoyen, Jose; and Warmont, Georges, to Ateliers de Constructions Electriques de Charleroi (ACEC). Ionization self-protecting capacitor. 3,831,070, 8-20-74, Cl. 317-260.000.

Bouiller, Jean Georges: *See*—
Soligny, Marcel Robert; Bouiller, Jean Georges; and Menoiux, Claude Charles Felix, 3,807,639.
Soligny, Marcel Robert; and Bouiller, Jean Georges, 3,824,785.

Bouiller, Jean Georges; and Joubert, Raymond Jean Maurice, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Means for the transmission of drive to aircraft accessories. 3,799,476, 3-26-74, Cl. 244-60.000.

Bouiller, Jean Georges; Gobin, Michel Roland; Lacroix, Armand Jean-Baptiste; and Bauger, Louis Jules; deceased (by Bauger, Madeleine Henriette Aimee, and Olivier, Jeanne Denise; administrators), to Societe Nationale d'Etude et de Construction de Moteurs d'viation. Support structure for rotor blades of turbomachines. 3,813,185, 5-28-74, Cl. 416-198.000.

Bouillon, Claude: *See*—
Kalopissis, Gregoire; Bouillon, Claude; Manoussos, Georges; and Berrebi, Claudine, 3,784,685.
Kalopissis, Gregoire; and Bouillon, Claude, 3,803,323.

Bouillon, Claude; Dufaure, Pierre; and Rosenbaum, Georges, to Societe anonyme dite: L'Oreal. Dioxaluminium and dioxaluminane compounds and their preparation. 3,819,671, 6-25-74, Cl. 260-448.0ad.

Bouillot, Rose M. Artificial flower petal and stem. 3,822,171, 7-2-74, Cl. 161-29.000.

Bouladon, Gabriel: *See*—
Schneider, Karl; Cuenoud, Gerard; Bouladon, Gabriel; and Zuppiger, Paul, 3,788,232.

Boulanger, Henry J., to Texas Instruments Incorporated. Keyboard switch matrix assembly with improved guide means for reducing transfer of bounding motion to movable conductor: 3,783,205, 1-1-74, Cl. 200-5.00a.

Boulanger, Henry J., to Texas Instruments, Incorporated. Pushbutton keyboard switch assembly with improved disc spring contact and printed circuit structure. 3,806,673, 4-23-74, Cl. 200-5.00a.

Boulanger, Henry J., to Texas Instruments, Incorporated. Pushbutton keyboard system. 3,808,384, 4-30-74, Cl. 200-5.00a.

Boulanger, Henry J., to Texas Instruments, Incorporated. Pushbutton keyboard system. 3,839,785, 10-8-74, Cl. 29-622.000.

Boulanger, Henry J., to Texas Instruments Incorporated. Keyboard pushbutton switch. 3,842,229, 10-15-74, Cl. 200-159.00r.

Boulanger, Henry J., to Texas Instruments Incorporated. Multi-position slide switch assembly with housing means holding common conductive rail in fixed abutting relationship with end terminals of fixed contact array. 3,857,000, 12-24-74, Cl. 200-16.00d.

Boulanger, Henry J., to Texas Instruments, Incorporated. Pushbutton keyboard system. 3,858,202, 12-31-74, Cl. 340-365.00r.

Bould, Fred: *See*—
Cleaveland, Charles M.; and Bould, Fred, 3,783,209.

Bouldoires, Jean-Pierre, to Societe d'Assistance Technique pour Produits Nestle S.A. Freeze-drying apparatus. 3,811,199, 5-21-74, Cl. 34-92.000.

Boulet, Bernard. Grain spout. 3,807,540, 4-30-74, Cl. 193-9.000.

Boullon, Jose R.: *See*—
Garcia, Luis A.; Boullon, Jose R.; and Mandarious, Samia S., 3,850,903.

Boult, Cecil Leslie, to Smiths Industries Limited. Reset mechanisms. 3,796,041, 3-12-74, Cl. 58-76.000.

Boult, Cecil Leslie, to Smiths Industries Limited. Trip mechanisms. 3,823,612, 7-16-74, Cl. 74-100.000.

Boulter, Richard Arnold, to Post Office, The. Digital communication systems. 3,846,583, 11-5-74, Cl. 178-67.000.

Boultinghouse, Ace: *See*—
Procop, Alex J.; and Boultinghouse, Ace, 3,825,331.

Boultinghouse, Harold D., to Phillips Petroleum Company. Article and method of manufacture. 3,839,124, 10-1-74, Cl. 156-435.000.

Boulton, Frederick William, to British Leyland Truck and Bus Division Limited. Vehicle spring suspension. 3,806,148, 4-23-74, Cl. 280-104.50a.

Boulton, Richard C., to Grace, W. R., & Co. Chuck for crown closure lining apparatus. 3,800,741, 4-2-74, Cl. 118-50.000.

Boulton, William, Limited: *See*—
Fahey, Dennis; and Cunningham-Smith, David, 3,814,335.

Boulus, Paul A. Method of cleaning thick covering textile materials and composite cleaning pad therefor. 3,827,857, 8-6-74, Cl. 8-137.000.

Bound, Lloyd R.; Hunting, Alfred C.; and Linden, Peter N., to Texas Instruments, Incorporated. Perimeter intrusion detection system with common mode rejection. 3,806,907, 4-23-74, Cl. 340-261.000.

Bound, Lloyd R.; and Hunting, Alfred C., to Texas Instruments, Incorporated. Perimeter intrusion detection system. 3,806,908, 4-23-74, Cl. 340-261.000.

Bound, Lloyd R., to Texas Instruments, Incorporated. Stress sensor for a perimeter intrusion detector system. 3,806,909, 4-23-74, Cl 340-261.000.

Bounds, Joe W.: *See*—
Goldstein, Lynn; and Bounds, Joe W., 3,794,321.

Bounds, Joseph W.; Goldstein, Lynn E.; and Willard, Franklin E., to Texel Industries, Inc. Mop treating apparatus. 3,796,186, 3-12-74, Cl. 118-603.000.

Boundy, Bruce K., to Westinghouse Electric Corporation. Power panel arrangement. 3,856,981, 12-24-74, Cl. 174-48.000.

Bouniot, Albert: *See*—
Falize, Claude; and Bouniot, Albert, 3,836,576.

Bouniot, Albert, to Melle-Bezons. Process for the continuous production of beta-methoxy aldehydes. 3,795,643, 3-5-74, Cl. 260-602.000.

Bouniot, Albert. Process for producing alkoxy aldehydes. 3,809,722, 5-7-74, Cl. 260-602.000.

Bouniot, Albert, to Melle-Bezons. Process for preparing primary furfuryl amines. 3,812,161, 5-21-74, Cl. 260-347.700.

Bouniot, Albert, to Rhone-Progil. Process for the manufacture of methyl methacrylate. 3,836,575, 9-17-74, Cl. 260-486.00d.

Bourassa, Hugh, to National-Standard Company. Axially adjustable positioning means. 3,844,177, 10-29-74, Cl. 74-89.150.

Bourassa, Hugh A.: *See*—
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,816,985.
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,824,772.

Bourassa, Pierre M. Automatic transportation system car units and control circuits therefor. 3,817,182, 6-18-73, Cl. 104-88.000.

Bourat, Guy, to Rhone-Poulenc S.A. Method for forced flow electrophoresis. 3,829,370, 8-13-74, Cl. 204-180.00p.

Bourbeau, Frank J., to General Motors Corporation. Inverter fault protection and frequency limiting circuit. 3,852,656, 12-3-74, Cl. 321-11.000.

Bourbonnaud, Louis, to Societe Creusot-Loire. Apparatus for angular and axial regulation of a printing cylinder. 3,793,899, 2-26-74, Cl. 74-397.000.

Bourdale, Lucien R. Method of separating particles contained in a laden fluid, and a dynamic separator for performing this method. 3,797,663, 3-19-74, Cl. 210-78.000.

Bourdeau, Romeo G., to United Aircraft Corporation. Tungsten coated glass fiber. 3,787,236, 1-22-74, Cl. 117-227.000.
Bourdelais, Roger J.; Colangelo, Dominick; McFadyen, Robert J.; and Elliott, James F., to United States of America, Air Force. Instrument for automatically inspecting integrated circuit masks for pinholes and spots. 3,795,452, 3-5-74, Cl. 356-237.000.
Bourdes, Jean-Paul: *See*—
Bascoul, Alain Georges Bernard; Bourdes, Jean-Paul; and Moulis, Jacques, 3,797,303.
Bourdier, Jean, to Societe Lannionnaise d'Electronique Sle-Citerel. Radioelectric aerial. 3,808,600, 4-30-74, Cl. 343-830.000.
Bourdin, Francois; Costantini, Michel; Jouffret, Michel; and Lartigau, Guy, to Rhone-Poulenc S.A. Hydroxylation of aromatic compounds. 3,849,502, 11-19-74, Cl. 260-613.00d.
Bourdolle, Henri M.; Lacroix, Serge R.; Fleury, Jean E.; Peuillot, Gilbert; and Pinot, Jean, to Regie Nationale des Usines Renault and Automobiles Peugeot. Electrochemical grinding methods and apparatus. 3,835,016, 9-10-74, Cl. 204-224.00m.
Bourdon, Bernard; Duong, Claudy; and Coppier, Pierre, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Method of preparing a pattern of a layer of refractory metal by masking. 3,847,776, 11-12-74, Cl. 204-192.000.
Bourdon, Julien Louis, to Gemmer France. Ball and socket joint for rack and pinion steering gear. 3,849,009, 11-19-74, Cl. 403-133.000.
Bourdon, Louis; Simon, Etienne; Borrel, Philippe; and Lehureau, Jean, to Progil. Composition for promoting the polymerization of photopolymerizable masses. 3,814,702, 6-4-74, Cl. 252-426.000.
Bourdon, Richard P., to Pervel Industries, Inc. Flock-texturing method and product. 3,849,236, 11-19-74, Cl. 161-64.000.
Bourg, Haden J., Jr.; and Nicholson, James F.; deceased (by Cromwell, Roy D.; administrator), to Westinghouse Electric Corporation. Photoemitter structure including porous layer of photoemissive material. 3,809,941, 5-7-74, Cl. 313-94.000.
Bourg, Haden J., Jr., to Westinghouse Electric Corporation. Process for producing silver-oxygen-cesium photon converter. 3,843,405, 10-22-74, Cl. 117-217.000
Bourg, Ronald G.: *See*—
Chiasson, Randall J., Bourg, Ronald G.; and Arceneaux, Tilton J., 3,815,682.
Bourganel, Jack, to Rhone-Poulenc S.A. Process for the preparation of anisotropic semi-permeable membranes of polyaryl ether/sulphones. 3,855,122, 12-17-74, Cl. 210-23.000.
Bourgeois, Alain, to Elastelle Paul Fontanille & Fils. Method of an installation for continuous manufacture of unsewn articles of clothing. 3,828,367, 8-13-74, Cl. 2-224.00a.
Bourgeois, Claude Raymond, to Societe Nouvelle de Roulements. Bearing seals. 3,822,890, 7-9-74, Cl. 277-65.000.
Bourgeois, Ivan Marie Gaston Prudent; Daniels, Henricus Petrus Cornelis, and Verlet, Ronny Julius Camiel Cornelius. Arrangement for generating ultrasonic oscillations. 3,819,961, 6-25-74, Cl. 310-8.100
Bourgeois, Joseph F.; and Grace, James M., to Amana Refrigeration, Inc. Lubricating means for trash compactor ram. 3,817,352, 6-18-74, Cl. 184-5.000.
Bourgeois, Joseph F.; and Grace, James M., to Amana Refrigeration, Inc. Trash compactor with-down means for trash container and liner. 3,834,299, 9-10-74, Cl. 100-229.00a.
Bourgeois, Joseph F., to Amana Refrigeration, Inc. Trash container mounting for trash compactor. 3,839,954, 10-8-74, Cl. 100-22.90a.
Bourgeois, Louis: *See*—
Degueldre, Louis, Gobillon, Yves; Clerbois, Lucien; and Bourgeois, Louis, 3,839,181.
Degueldre, Louis; Killens, Charles; and Bourgeois, Louis, 3,849,282.
Bourgeois, Michel; and Le Havre, Pierre Jean, to Gaz Transport, S.A.R.L. Integral tank for transporting liquefied gas. 3,785,320, 1-15-74, Cl. 114-74.00a.
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Mechanism for the control of reversible step-by step rotation of selector drums of circular knitting machines. 3,783,640, 1-8-74, Cl. 66-50.00b.
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Alternate winding and unwinding of a two-ended program tape. 3,784,129, 1-8-74, Cl. 242-201.000.
Bourgeois, Norbert Paul, to Etudes et Bonneterie SA. Transmission device for driving coaxial pinions, particularly for the synchronised driving of two needle beds of a circular knitting machine. 3,792,599, 2-19-74, Cl. 66-28.000.
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Cam device for controlling the needles or knitting accessories of circular knitting-machine. 3,795,119, 3-5-74, Cl. 66-20.000.
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Data programming device, particularly for control of knitting machines. 3,818,724, 6-25-74, Cl. 66-50.00r
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Mechanism for winding knitted fabric in circular knitting machines and for removing rolls of the knitted fabric. 3,839,885, 10-8-74, Cl. 66-151.000.
Bourgeois, Norbert Paul, to Etudes et Bonneterie S.A. Circular knitting machine comprising a fabric draw off device. 3,850,012, 11-26-74, Cl. 66-151.000.
Bourgery, Guy B.: *See*—
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; Pourrias, Bernard M.; and Bourgery, Guy B., 3,850,937.
Bourgoin, Guy, to Societe Anonyme D.B.A. Antiskid braking circuit. 3,832,012, 8-27-74, Cl. 303-21.00f.
Bourgraf, Elroy E.; and Self, Kenneth R., to Ferno-Washington, Inc. Pivot locking means. 3,801,208, 4-2-74, Cl. 403-95.000.
Bourhenne, Francis Kurt. Coiled cable dispenser. 3,837,597, 9-24-74, Cl. 242-129.000.
Bournazel, Jacques, to Societe pour l'Industrialisation du Material "Indumat". Self-elevator travelling carriage for skidding and moving a supporting framework. 3,806,089, 4-23-74, Cl. 254-2.00r.
Bournazel, Jacques, to Societe Pour l'Industrialisation du Materiel "Indumat". Tripod supporting a framing table for concrete works. 3,829,053, 8-13-74, Cl. 248-354.00s.
Bourne, Hector Roland; and Brown, Bruce Cameron. Method for affecting a condition of a boundary layer of gas or vapour at a surface of a body of liquid. 3,797,998, 3-19-74, Cl. 21-60.50r.
Bourne, Henry A., Jr.; and Schroeder, Rondon L., to Continental Oil Company. Launch tube for a long hole drilling apparatus. 3,853,182, 12-10-74, Cl. 173-33.000.
Bourne, Kenneth Hugh; Davies, Evan Ellis; and Pitkethly, Robert Chalmers, to British Petroleum Company Limited, The. Inhibiting the coke forming tendency of sorbents. 3,849,299, 11-19-74, Cl. 208-310.000.
Bourne, Richard Curtis. Unitary electrical receptacles. 3,828,113, 8-6-74, Cl. 174-55.000.
Bourne, Ronald Frederick, to Asbestos Grading Equipment Company, The. Filters for separating dust from air. 3,793,811, 2-26-74, Cl. 55-294.000.
Bourne, Walter R. Collapsible garment dryer. 3,857,493, 12-31-74, Cl. 211-178.00a.
Bourns, Inc.: *See*—
Frey, Sydney W., Jr.; and Gaa, Donald L., 3,794,278.
Goeppinger, Edward J.; and Guthrie, David E., 3,801,776.
Sparks, James E., 3,854,055.
Bourquin, Jean-Pierre; Schwarb, Gustav; and Waldvogel, Erwin, to Sandoz Ltd.; a/k/a Sandoz AG. 9- or 10-Halo-4H-benzo[4,5]cyclohepta[1,2-b] thiophen-4-ones. 3,853,915, 12-10-74, Cl. 260-332.30p.
Bourret, Phillip L.; and Yin, Simon. Sound film synchronization system and method. 3,848,975, 11-19-74, Cl. 352-5.000.
Bourseaux, Friedrich: *See*—
Arnold, Herbert; Bourseaux, Friedrich; Potel, Jurgen; and Brock, Norbert, 3,828,090.
Bourton, Dennis Frederick, to Canterbury Precision Engineering, Limited. Heaters. 3,856,459, 12-24-74, Cl. 432-58.000.
Bourton, Hubert. Drawbar locking device for a tiltable trailer. 3,807,593, 4-30-74, Cl. 214-505.000.
Bourton, Hubert. Device for deactivating automobile door operable electric switch. 3,825,705, 7-23-74, Cl. 200-61.790.
Boushek, Sidney Joseph, Jr.: *See*—
Bass, Merlyn Duane; and Boushek, Sidney Joseph, Jr., 3,808,781.
Boussekey, Bernard: *See*—
Retali, Roger; Chielens, Alain; and Boussekey, Bernard, 3,836,103.
Boussois S. A.: *See*—
Membre, Bernard Alfred Georges; and Clairet, Daniel Eugene Joseph Modeste, 3,837,064.
Boussois Souchon Neuvesel: *See*—
Ton That, Thuan, 3,796,558.
Boustany, Kamee; and Coran, Aubert Y., to Monsanto Company. Pneumatic tire containing high modules discontinuous four reinforced member. 3,802,478, 4-9-74, Cl. 152-357.000.
Boustany, Kamel; and D'Amico, John J., to Monsanto Company. N,N-di(2-Benzothiazolyl)sulfenamides useful as vulcanization activators. 3,812,139, 5-21-74, Cl. 260-305.000.
Boustany, Kamel, and D'Amico, John Joseph, to Monsanto Company. 2-Aminobenzoazoles as activators for vulcanization of rubber. 3,817,948, 6-18-74, Cl. 260-79.50b.
Boustany, Kamel; and Coran, Aubert Yaucher, to Monsanto Company. Preparation of discontinuous fiber reinforced elastomer. 3,836,412, 9-17-74, Cl. 156-62.200.
Boustany, Kamel; and Vander Kooi, John P., to Monsanto Company. N-(thio)diamides. 3,847,879, 11-12-74, Cl. 260-79.50b.
Boustany, Kamel, to Monsanto Company. 2,5-Piperazinediones. 3,849,418, 11-19-74, Cl. 260-268.0dk.
Bout, Bernardus J.: *See*—
Van Der Walt, Nicolaas; Bout, Bernardus J.; and Newington, Timothy J., 3,824,422.
Boutaine, Jean-Louis; Bujas, Roko; and Tortel, Jean, to Commissariat a l'Energie Atomique. Method and apparatus for checking positions of bottom end walls of blind holes formed in a part and in particular in a graphite block. 3,824,396, 7-16-74, Cl. 250-31.000.

Boutcher, Andrew Graham; and Busler, Willard Le Roy, to AMP Incorporated. Terminal insertion apparatus. 3,797,090, 3-19-74, Cl. 29-203.00b.
Bouteille, Daniel. Pneumatic memory relay. 3,818,943, 6-25-74, Cl. 137-625.660.
Bouteiller, Charles A.: *See*—
Vizziello, Vito M.; and Bouteiller, Charles A., 3,799,224.
Vizziello, Vito M.; and Bouteiller, Charles A., 3,841,367.
Boutelant, Paul, to International Standard Electric Corporation. Microwave switching matrix. 3,833,866, 9-3-74, Cl. 333-7.00d.
Boutfille, Daniel. Pneumatic memory relay. 3,820,567, 6-28-74, Cl. 137-625.660.
Bouthors, Pierre; Dera, Alain; and Lefeuvre, Andre, to Regie Nationale des Usines Renault and Automobiles Peugeot. Automatic safety harness control system. 3,819,196, 6-25-74, Cl. 280-150.0sb.
Bouthors, Pierre Marcel, to Regie Nationale des Usines Renault and Automobiles Peugeot. Anti-skid brake system. 3,840,277, 10-8-74, Cl. 303-21.00p.
Boutin, Julien F.: *See*—
Slaght, William Francis; and Boutin, Julien F., 3,792,354.
Boutmy, Patrick E.; Le Fort, Gilbert J.; and Betoule, Daniel J. M., to Societe Anonyme de Telecommunications. Regenerative repeater output stage for bipolar coded message signals. 3,818,360, 6-18-74, Cl. 330-15.000.
Bouton, Frank M., Jr.; and Prints, Thomas R., to Floating Poing Systems, Inc. Floating point arithmetic unit adopted for converting a computer to floating point arithmetic. 3,829,673, 8-13-74, Cl. 235-164.000.
Bouton, Michael John; and Sikes, Bob L. Liquid and solid sensing device. 3,834,235, 9-10-74, Cl. 73-293.000.
Boutonnet, Alexandre; Clavelet, Georges; and Morieras, Gilbert, to Societe Rhodiaceta. Effect yarns and process for producing the same. 3,828,542, 8-13-74, Cl. 57-140.0by.
Boutsicaris, Stephen P.; and Hayes, Robert A., to Firestone Tire & Rubber Company, The. Butadiene resins and process for preparation. 3,835,075, 9-10-74, Cl. 260-17.4bb.
Bouvaist, Pierre. Arrangement for securing an attachment, such as a spray pump, to the neck of a bottle. 3,854,633, 12-17-74, Cl. 222-183.000.
Bouvier, Daniel; and Societe S.T. Dupont. Burner heads of liquefied fuel gas lighters. 3,816,062, 6-11-74, Cl. 431-355.000.
Bouwhuis, Gijsbertus: *See*—
Compaan, Klaas; and Bouwhuis, Gijsbertus, 3,833,769.
Ian, Sing Liong; Hofman, Jan August Marcel; and Bouwhuis, Gijsbertus, 3,794,408.
Bouwhuis, Gijsbertus, to U.S. Philips Corporation. Video disc recording and optical playback system therefor. 3,855,426, 12-17-74, Cl. 179-100.30v.
Boux, Joseph F., to General Concrete of Canada Limited. Floor building system. 3,855,375, 12-17-74, Cl. 264-35.000.
Boux, Rene, to Thomson-CSF. Devices for measuring the dose rate of a beam of ionising radiation. 3,808,441, 4-30-74, Cl. 250-397.000.
Bouy, Pierre; and Malzac, Guillaume. Dismantleable bipolar electrodes including electrical contact means between the electrode portions. 3,824,173, 7-16-74, Cl. 204-284.000.
Bouy, Pierre; and Collard, Daniel, to Rhone-Progil. Frames for electrolytic cells of the filter-press type. 3,836,448, 9-17-74, Cl. 204-270.000.
Bouyer, Jean Felix Henri. Driving device for powered vehicles, and more particularly to lawn-mower vehicles. 3,796,275, 3-12-74, Cl. 180-6.400.
Bouyssounouse, Bernard: *See*—
Pelet, Pierre A.; Bouyssounouse, Bernard; and Hass, Fritz, 3,826,167.
Bouzard, Daniel: *See*—
Weber, Abraham; and Bouzard, Daniel, 3,803,213.
Bove, Fred, to Importec Technical Improvement S.A. Composition for cleaning adhering hardened concrete and for stripping concrete and plaster. 3,819,523, 6-25-74, Cl. 252-89.000.
Bove, Peter Richard: *See*—
Cosentino, Louis Ciro; and Bove, Peter Richard, 3,794,841.
Bove, Ronald; and Hubacher, Eric M., to International Business Machines Corporation. Method and apparatus for determining the location of electrically conductive members on a structure. 3,806,800, 4-23-74, Cl. 324-51.000.
Bove, Ronald, to International Business Machines Corporation. Probe contactor having buckling beam probes. 3,806,801, 4-23-74, Cl. 324-72.500.
Boven, Jan: *See*—
Molenaar, Arian; Boven, Jan; and Van den Meerakker, Johannes Engelbertus Adrianus Maria, 3,843,373.
Bovenkerk, Harold Paul, to General Electric Company. Cutting tool and method of making same. 3,850,053, 11-26-74, Cl. 76-101.00r.
Bovensiepen, Hans-Friedrich; and Caspers, Willi A., to Walters, Peter. Lapping or honing machine. 3,848,365, 11-19-74, Cl. 51-111.00r.
Boveri, Brown, & Company Limited: *See*—
Schweitzer, Samuel; and Ziffermayer, Georg, 3,856,472.
Bovier, Edward M.: *See*—
Voigt, John E.; and Bovier, Edward M., 3,802,897.
Voigt, John E.; and Bovier, Edward M., 3,839,060.
Bovio, Michele: *See*—
Giolitti, Nicolo; Bovio, Michele; and Dalmasso, Claudio, 3,826,882.
Giolitti, Nicolo; and Bovio, Michele, 3,826,915.
Bovril Limited: *See*—
Roberts, Peter Clive Buckley, 3,856,655
Bow, William J., to Foster Wheeler Corporation. Direct contact steam condenser. 3,814,398, 6-4-74, Cl. 261-115.000.
Bow, William J., to Foster Wheeler Corporation. Direct contact condenser having an air removal system. 3,834,133, 9-10-74, Cl. 55-257.000.
Bowcut, Donal L. Action jeans. 3,800,330, 4-2-74, Cl. 2-227.000.
Bowden, Henry J.: *See*—
Schleifer, Ronald H.; Price, James E.; and Bowden, Henry J., 3,792,553.
Bowden, Ralph H. Transistor beta measuring instrument. 3,832,633, 8-27-74, Cl. 324-158.00t.
Bowden, Robert G. Portable seat for truck bodies. 3,840,263, 10-8-74, Cl. 296-10.000.
Bowden, Roy Dennis; and Seaton, Thomas, to Imperial Chemical Industries Limited. Manufacture of halogenated pyridine derivatives. 3,804,840, 4-16-74, Cl. 260-290.0hl.
Bowden, Roy Dennis; Green, Maurice Berkeley; and Brown, Geoffrey Teasdale, to Imperial Chemical Industries Limited. Production of hydroxy-halogenopyridines or salts thereof. 3,808,220, 4-30-74, Cl. 260-297.00r
Bowden Roy Dennis; and Seaton, Thomas, to Imperial Chemical Industries Limited. Halogenated pyridine derivatives. 3,818,016, 6-18-74, Cl. 260-290.0hl.
Bowden, Roy Dennis; and Seaton, Thomas, to Imperial Chemical Industries Limited. Manufacture of halogenated pyridine derivatives. 3,830,820, 8-20-74, Cl. 260-290.0hl
Bowden, Roy Dennis, to Imperial Chemical Industries Limited. Process for producing bipyridyls. 3,838,157, 9-24-74, Cl. 260-296.00d.
Bowden, Roy Dennis, Slater, John Walter; and White, Brian Graham, to Imperial Chemical Industries, Limited. Certain tetrohalo-4-pyridinols and derivatives. 3,850,943, 11-26-74, Cl. 260-297.00r.
Bowden, Wade R., Jr.; and Bury, Allen J., to Molex Incorporated. Crimp termainal for aluminum wire. 3,831,132, 8-20-74, Cl. 339-95.00r.
Bowdish, Meredith E. Unified smog pump and alternator. 3,797,242, 3-19-74, Cl. 60-307.000.
Bowe, Bohler & Weber KG: *See*—
Burger, Hurst, 3,787,986
Weber, Hans-Peter; Litzler, Alfred; Hertig, Jean; Milicevic, Branimir, Fuhring, Heinrich, and Sieber, Johannes-Helmut, 3,783,650.
Bowen, Braxton Cates, to Du Pont de Nemours, E. I., and Company. Apparatus for detecting wraps on processing rolls. 3,820,699, 6-28-74, Cl. 226-43.000.
Bowen, Brian Francis: *See*—
Needham, Victor; and Bowen, Brian Francis, 3,812,019.
Bowen, David, Jr.: *See*—
Fisher, Don E.; Knauff, Paul A.; and Bowen, David, Jr., 3,831,872.
Bowen, David, Jr., to Monsanto Company. Polymerization process. 3,843,610, 10-22-74, Cl. 260-78.00r.
Bowen, Dennis Herbert, to United Kingdom Atomic Energy Authority, Armour. 3,828,699, 8-13-74, Cl. 109-80.000
Bowen, Dorsie Mae: *See*—
Brown, Daniel D., and Bowen, Dorsie Mae, 3,798,677
Conaway, Mildred, Thompson, Alligene, Bowen, Dorsie Mae, Brown, Danny; and McGarrah, Larry, 3,848,266.
Bowen, Edward George; and Dick, George Wilmer, to Bell Telephone Laboratories, Incorporated. Tone receiver with detection of each tone in a precise frequency band. 3,806,664, 4-23-74, Cl. 179-84.0vf.
Bowen, Edward Valentine, and Simkins, Derek, to GKN Transmissions Limited. Joint structures in or for rotary shafts. 3,808,838, 5-7-74, Cl. 64-27.0nm.
Bowen, John C., and Gunther, Rush B., to Duriron Company, Inc., The. Pumping unit for constant pulseless flow. 3,816,029, 6-11-74, Cl. 417-223.000.
Bowen, John G. Serum skimmer. 3,782,548, 1-1-74, Cl. 210-94.000
Bowen, Kenneth, to Bowens Sales & Service Limited. Electronic flash lighting equipment. 3,783,338, 1-1-74, Cl. 315-241.00p.
Bowen, Lloyd: *See*—
Hilgedick, James R., 3,787,811.
Bowen, Mack D., to Georgia Tech Research Institute. Device for separating solid or liquid particles from a gaseous medium. 3,848,550, 11-19-74, Cl. 110-18.00r.
Bowen, Mark D., to Georgia Tech Research Institute. Device for separating solid or liquid particles from a gaseous medium. 3,802,164, 4-9-74, Cl. 55-338.000.

Bowen, Paul E.; and Evans, Leigh D., to Continental Can Company, Inc. Horizontal heat-seal liner for fibre drums. 3,800,994, 4-2-74, Cl. 229r14.00b.

Bowen, Rafael L., to United States of America, Health, Education, and Welfare. Dental primer varnish. 3,785,832, 1-15-74, Cl. 106-35.000.

Bowen, Russell J.; Ford, William B., Jr.; Sanborn, Ralph D.; Sawyer, Winslow A.; Sharp, John R.; Soini, Herbert E.; Lambert, Benjamin A.; and Lull, David B. Biological bomb. 3,831,520, 8-27-74, Cl. 102-6.000.

Bowen, Willard L., to Torrington Company, The. Fractured bearing race. 3,834,772, 9-10-74, Cl. 308-196.000.

Bowen, Willard L., III. Method of forming sectional crankshaft. 3,851,361, 12-3-74, Cl. 29-6.000.

Bowen, William Edmund, to American Can Company. Method of forming a line of weakness in a multilayer laminate. 3,790,744, 2-5-74, Cl. 219-121.0lm.

Bowens Sales & Service Limited: *See*—
Bowen, Kenneth, 3,783,338.

Bower, Allen M., to Emco Wheaton Inc. Apparatus for filling liquid storage tanks. 3,840,056, 10-8-74, Cl. 141-59.000.

Bower, Arnold B., Jr.; and Leighton, Joseph C., to General Electric Company. Cutting removal bit for undercutting machine. 3,814,482, 6-4-74, Cl. 299-79.000.

Bower, Barton K., to Hercules Incorporated. Tris (bicycloheptyl) chromium compounds and use as polymerication catalysts. 3,794,628, 2-26-74, Cl. 260-94.90b.

Bower, Clayton G. Tractor hoist. 3,809,367, 5-7-74, Cl. 254-144.000.

Bowerfind, Albert L.; and Avilzer, Zvi, to Daggeem, Inc. Fishing line threading means for telescopic rods. 3,789,533, 2-5-74, Cl. 43-18.00r.

Bowerman, Leonard E., to Oster Corporation. Hair clipper with improved blade driving means. 3,812,389, 5-21-74, Cl. 310-50.000.

Bowerman, Paul D.: *See*—
Baldwin, Roger A.; Bowerman, Paul D.; and Lucid, Michael F., 3,836,476.

Bowerman, Paul Lee, to Cyclone Seeder Company, Inc., The. Material agitator for a spreader. 3,807,643, 4-30-74, Cl. 239-683.000.

Bowerman, Paul Lee, to Cyclone Seeder Company, Inc., The. Bearing protector for fluent material distributors. 3,815,825, 6-11-74, Cl. 239-683.000.

Bowerman, William J., to BRS, Inc. Athletic shoe for artificial turf. 3,793,750, 2-26-74, Cl. 36-59.00c.

Bowerman, William R. Calendar or the like with detachable overlays. 3,783,541, 1-8-74, Cl. 40-121.000.

Bowerman, William R. Device for metering toothpaste or the like. 3,797,711, 3-19-74, Cl. 222-219.000.

Bowerman, William R. Game board. 3,836,151, 9-17-74, Cl. 273-136.00e.

Bowerman, William R. Television system for enhancing and tracking an object. 3,840,699, 10-8-74, Cl. 178-6.800.

Bowerman, William R. Angularly adjustable bracket. 3,841,769, 10-15-74, Cl. 403-90.000.

Bowers, Bernard P.; and Breidegam, Delight E., Jr., to East Penn Manufacturing Company , Inc. Battery holddown. 3,834,479, 9-10-74, Cl. 180-68.500.

Bowers, Charles E., Jr.: *See*—
Simpson, Jack N.; Ruck Heinz E.; and Bowers, Charles E., Jr., 3,795,014.

Bowers, David L., to General Electric Company. Body implantable stimulator battery utilization circuit. 3,783,877, 1-8-74, Cl. 128-419.000.

Bowers, David L.; Heidtmann, Donald S.; and Harnden, John D., Jr., to General Electric Company. Solid state induction cooking appliance. 3,814,888, 6-4-74, Cl. 219-10.490.

Bowers, David Lee, to General Electric Company. Body organ stimulator. 3,835,865, 9-17-74, Cl. 128-421.000.

Bowers, David T.: *See*—
Lunsford, Marvin C., Jr.; Bowers, David T.; Caldwell, Sherwood M.; Davis, Leonard P.; and Roach, Ted L., 3,841,836.

Bowers, Gary L.; Lay, Clark M.; and Stephans, Albert E., to United States of America, Atomic Energy Commission. Command pulse generator for computer-controlled machining. 3,825,735, 7-23-74, Cl. 235-151.110.

Bowers, George L., to General Motors Corporation. Gearing with vibration damping means. 3,808,906, 5-7-74, Cl. 74-443.000.

Bowers, George W., Jr.; Broski, Tony W., Jr.; and Pastrone, John, to Memorex Corporation, mesne. Print carrier and transportable cartridge for the same. 3,805,698, 4-23-74, Cl. 101-111.000.

Bowers, Gerald Joe, to General Electric Company. Relay having a plurality of sealed contact switches. 3,840,832, 10-8-74, Cl. 335-152.000.

Bowers, Gerald M.: *See*—
Kirkman, Earl L.; and Bowers, Gerald M., 3,795,853.

Bowers, John O., Jr.: *See*—
Toney, Philip A.; and Bowers, John O., Jr., 3,827,044

Bowers, Kenneth E., to Ethyl Development Corporation. Apparatus for blow molding containers. 3,796,531, 3-12-74, Cl. 425-387.00b.

Bowers, Lewis H.: *See*—
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Bowers, Michael R., to Yamaha International Corporation. Snowmobile adjustable suspension. 3,856,099, 12-24-74, Cl. 180-5.00r.

Bowers, Richard C.: *See*—
Smith, Vigo N.; and Bowers, Richard C., 3,794,425.

Bowers, William S., to United States of America, Agriculture. Certain ethers of open chain terpenoids as insect control agents. 3,852,472, 12-3-74, Cl. 424-342.000.

Bowes, Robert J.; and Miller, John J., to GTE Sylvania Incorporated. Means for positioning a heating element with a thermionic cathode structure. 3,822,392, 7-2-74, Cl. 313-271.000.

Bowes, Robert J.; and Miller, John J., to GTE Sylvania Incorporated. Cathode positioning retainer. 3,826,947, 7-30-74, Cl. 314-268.000.

Bowes, Robert J.; and Kerstetter, Donald R., to GTE Sylvania Incorporated. Cathode ray tube antenna getter structure comprising permanent phase transformation bimetallic material. 3,848,154, 11-12-74, Cl. 313-481.000.

Bowey, Robert E.: *See*—
De Steese, John G.; and Bowey, Robert E., 3,807,827.

Bowie, Raymond Alexander; and Broome, Arthur William James, to Imperial Chemical Industries Limited. Treatment of swine sysentery. 3,816,630, 6-11-74, Cl. 424-250.000.

Bowker, John Kent, to Itek Corporation. Image standardizer apparatus. 3,836,246, 9-17-74, Cl. 355-32.000.

Bowl-O-Beauty Co.: *See*—
Smart, Ted; and Witt, Paul R., Jr., 3,816,224.

Bowler, Arthur A.: *See*—
Berrill, William H.; Halford, David W.; and Bowler, Arthur A., 3,849,817.

Bowler, Colin E. J.: *See*—
Tice, James B.; and Bowler, Colin E. J., 3,813,593.

Bowler, Lauren L., to General Motors Corporation. Anti-theft system including a pushbutton electronic combination ignition lock and transmission shift control. 3,788,422, 1-29-74, Cl. 180-114.000.

Bowler, Lauren L.; and Johnston, Laird E., to General Motors Corporation. Anti-lock brake system. 3,817,585, 6-18-74, Cl. 303-21.00f.

Bowler, Lauren L.; and Johnston, Laird E., to General Motors Corporation. Anti-lock brake system. 3,819,235, 6-25-74, Cl. 303-21.00f.

Bowles, Arnold G., to National Forge Company. Isostatic press. 3,832,103, 8-27-74, Cl. 425-405.00h.

Bowles Fluidics Corporation: *See*—
Bauer, Peter; and Bowles, Romald E., 3,811,474.
Bauer, Peter, 3,820,716.
Bowles, Romald E.; and Bauer, Peter, 3,798,959.
Jones, Donnie Roland, 3,782,323.
Moore, Larry R.; and Turek, Robert F., 3,794,055.
Turek, Robert P., 3,794,005.

Bowles, Harry L., Jr., to Austral Incinerator Corporation. Incinerator. 3,812,795, 5-28-74, Cl. 110-8.00c.

Bowles, Oscar Pierce: *See*—
Gregory, Milton Wesley; Olszyk, Bernard John; and Bowles, Oscar Pierce, 3,850,670.

Bowles, Romald E.: *See*—
Bauer, Peter; and Bowles, Romald E., 3,811,474.

Bowles, Romald E.; and Bauer, Peter, to Bowles Fluidics Corporation. Acoustic gauge and fluidic signal processing circuitry therefor. 3,798,959, 3-26-74, Cl. 73-37.500.

Bowley, Wallace William, 1/2 to Ritchie, William Barney, Jr. Floating wave barrier. 3,846,990, 11-12-74, Cl. 61-5.000.

Bowley, Wallace William, 1/2 to Ritchie, William B., Jr. Floating wave barrier. 3,848,419, 11-19-74, Cl. 61-5.000.

Bowling, Dan P. Power driven surface finishing device. 3,793,782, 2-26-74, Cl. 51-170.0pt.

Bowling, Glenn W.; and Kidd, Donald D., to Dayco Corporation. Textile working unit. 3,785,022, 1-15-74, Cl. 29-132.000.

Bowling, J. Dennis, to Hearin Forest Industries. Ridge roof beam. 3,791,082, 2-12-74, Cl. 52-79.000.

Bowling, Joseph E., Jr.: *See*—
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Bowling, Teamus, to General Electric Company. Thermal switch. 3,821,683, 6-28-74, Cl. 337-386.000.

Bowls, Victor C.; and Graham, D. Douglas. Emission control device for carburetor-equipped internal-combustion engines. 3,786,793, 1-22-74, Cl. 123-119.00a.

Bowman, Bobby R.: *See*—
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Drelick, Arthur H., and Bowman, Bobby R., 3,857,728.

Bowman, Bradshaw. Imprinting tool for non-repeating stone patterns in fresh concrete. 3,807,888, 4-30-74, Cl. 404-93.000.

Bowman, Brian, to British Steel Corporation. Arc furnaces. 3,789,127, 1-29-74, Cl. 13-12.000.

Bowman, Cader E.; and Lapins, Daniel W., to Olin Corporation. Collapsible camp stove. 3,809,054, 5-7-74, Cl. 126-38.000.

Bowman, Clyde L., to Rapistan Incorporated. Eccentric wheel accumulators. 3,854,576, 12-17-74, Cl. 198-184.000

Bowman, David Francis: *See*—
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Bowman, David N., 1/2 interest to Bowman, Morris L. Rice farming implement. 3,828,702, 8-13-74, Cl. 111-52.000.

Bowman, Dennis W.; and Horn, Robert E., to United States of America, Army. Circuit to protect RF output amplifier against mismatch damage. 3,852,669, 12-3-74, Cl. 325-151.000.

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Bowman, Edward W., Bowman, Murial B., and Bowman, Michael Edward, executors of said Bowman, Edward Woodrow, assors. to Bowman, E. W., Incorporated. Method and apparatus for heating, annealing, tempering, decorating and handling glassware. 3,809,544, 5-7-74 Cl. 65-119.000.

Bowman, Harold M. Paving compositions and methods of making same. 3,855,167, 12-17-74, Cl. 260-28.000.

Bowman, Jerry D.; and Bowman, William V. Expandable travel trailer. 3,830,541, 8-20-74, Cl. 296-27.000.

Bowman, John L., to Motorola, Inc. Machine for cutting brittle materials. 3,824,982, 7-23-74, Cl. 125-16.000.

Bowman, Lloyd D.; Karhade, Manohar G.; and Schneiderman, Daniel I., to Dasibi Corporation. Automatic calibration circuit for gas analyzers. 3,812,330, 5-21-74, Cl. 235-92.0cc.

Bowman, Melvin G.; and Vier, Dwayne T. Gas mixture for forming protective coatings on graphite. 3,785,994, 1-15-74, Cl. 252-372.000.

Bowman, Morris L.: *See*—
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Bowman, Raymond D., to Cavalier Corporation. Circuit for multi-column vending machines having columns arranged for conjoint operation. 3,836,046, 9-17-74, Cl. 221-67.000.

Bowman, Richard C.; Lang, Edward J.; and Grazen, Frank S., to Hooker Chemical Corporation. Resin composition and process for bond solid particles. 3,852,232, 12-3-74, Cl. 260-29.300.

Bowman, Richard J., to Vick, W. M., mesne. Alarm circuit. 3,831,141, 8-20-74, Cl. 340-63.000.

Bowman, Robert S., to St. Joe Minerals Corporation. Bicharge zinc oxide. 3,801,316, 4-2-74, Cl. 96-1.500.

Bowman, Ronald R., to Motorola, Inc. Fabrication of semiconductor devices. 3,819,433, 6-25-74, Cl. 156-13.000.

Bowman, Thomas C.; and Watson, Stewart C., to Watson-Bowman Associates, Inc. Gap-sealing device. 3,850,539, 11-26-74, Cl. 404-69.000.

Bowman, Van Ray, and Graham, George E. Scoop and coop. 3,807,362, 4-30-74, Cl. 119-151.000.

Bowman, Walter J.: *See*—
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Bowman, William V.: *See*—
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Bowman-Manifold, Michael, to EMI Limited. Range sensitive devices. 3,839,718, 10-1-74, Cl. 343-14.000.

Bowman-Shaw, George Neville, to Lancer Boss Limited. Side loaders. 3,822,804, 7-9-74, Cl. 214-670.000.

Bowmar Instrument Corporation: *See*—
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Herr, Robert W.; Sigl, Edward D.; and Aksamit, Marion W., 3,845,850.
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Bown, Barry: *See*—
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Bown, Delos L.: *See*—
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Bowness, Colin, to Raytheon Company. Frequency selective output coupling for lasers. 3,855,544, 12-17-74, Cl. 331-94.500.

Bowring, David John, to GKN Sankey Limited. Washing and filling machines. 3,791,425, 2-12-74, Cl. 141-92.000.

Bowser, Donald W.: *See*—
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Bowser, George H.; and Mazzoni, Renato J., to PPG Industries, Inc. Method of making a multiple glazed unit having a thermoplastic, spacer-dehydrator element. 3,832,254, 8-27-74, Cl. 156-107.000.

Bowser, Harold O. Livestock watering fountain. 3,823,692, 7-16-74, Cl. 119-78.000.

Bowser, Wenard, Jr.: *See*—
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Box, E. O., Jr.; and Farha, Floyd, Jr., to Phillips Petroleum Company. Polluted water purification. 3,823,088, 7-9-74, Cl. 210-63.000.

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Boy, Mario Bassaredda: *See*—
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Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, to Bertin & Cie and Entreprise de Recherches et d'Activites Petrolieres (ELF). Rotary-injector type distributor. 3,828,574,8-13-74, Cl. 62-467.000.

Boyadjieff, George I.; and Otsap, Ben A., to Varco International, Inc. Well safety valve having mechanism shielded from fluid flow. 3,847,216, 11-12-74, Cl. 166-72.000.

Boyadjieff, George I.; and Otsap, Ben A., to Varco International, Inc. Ball type well safety valve apparatus. 3,847,218, 11-12-74, Cl. 166-224.00a.

Boyadjieff, George I.; and Otsap, Ben A., to Abegg & Reinhold Co. Remotely operated well safety valves. 3,853,175, 12-10-74, Cl. 166-72.000.

Boyajian, Alfred Z., to Boyan, Limited. Drill guide. 3,804,546, 4-16-74, Cl. 408-115.000.

Boyajian, Alfred Z., to Stanley Works, The. Multipurpose pliers. 3,831,207, 8-27-74, Cl. 7-5.500.

Boyajian, Alfred Z. Drill guide. 3,838,935, 10-1-74, Cl. 408-75.000

Boyajian, Charles G. Dissemblable float. 3,844,236, 10-29-74, Cl. 114-50f.

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Boyce, Walter A.: *See*—
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Boyd, Bruce; Espersen, Peter G.; and Heyser, Lewis S., Sr., to United States of America, Air Force. Boost-surge power supply 3,848,197, 11-12-74, Cl. 330-44.000.

Boyd, Clinton A.; and Tijenelis, Donatas, to Borg-Warner Corporation. High temperature, high pressure oil well cable. 3,832,481, 8-27-74, Cl. 274-102.00r

Boyd, Colin David; Long, Gerald Ambrose; Long, Stanley Francis; and Wickham, Gordon. Rotary cowshed platform drive mechanism. 3,807,358, 4-30-74, Cl. 119-14.040.

Boyd, David C.; and Williams, Joseph M., to Corning Glass Works. High strength ophthalmic lens. 3,790,260, 2-5-74, Cl. 351-159.000.

Boyd, David C., to Corning Glass Works. Faceplate for television picture tube. 3,805,107, 4-16-74, Cl. 313-96.000.

Boyd, David M.; and Greenwood, Arthur R., to Universal Oil Products Company. Uniform solids withdrawal system. 3,785,963, 1-15-74, Cl. 208-171.000.

Boyd, David M.; and Wood, Charles E., to Universal Oil Products Company. Fractionator control system for reboiling narrow boiling range liquids. 3,826,719, 7-30-74, Cl. 203-1.000.

Boyd, Donald R., to Allis-Chalmers Corporation. Magnetic actuator device. 3,792,390, 2-12-74, Cl. 335-229.000.

Boyd, Donald R., to Allis-Chalmers Corporation. Magnetic actuator device. 3,828,288, 8-6-74, Cl. 335-234.000.

Boyd, Donald R., to Allis-Chalmers Corporation. Overcurrent trip device. 3,831,061, 8-20-74, Cl. 317-36.0td.

Boyd, Edward A.; and Harkness, Joseph R., to Briggs Stratton Corporation. Method of making an electric motor armature core. 3,831,268, 8-27-74, Cl. 29-598.000.

Boyd, Gordon A.; and Berger, Franz, to Autologic Limited Machine tools. 3,782,226, 1-1-74, Cl. 74-821.000.

Boyd, H. Edward; and Curtiss, George R., to Cooper Industries, Inc. Ring clinching tool. 3,830,089, 8-20-74, Cl. 72-407.000.

Boyd, Herman L., 45% to McAnally, Raymond H., 5% to Selmin, Allen C., 5% to Schneider, Harry, 5% jointly to Jefcoat, I. A.; and and Thais, Richard R. Multipurpose vaginal and cervical device. 3,831,587, 8-27-74, Cl. 128-6.000.

Boyd, James; Garfield, Lawrence A.; Hanninen, Clifford; and Maki, Eugene, to Cooper Range Company. Mining and tunneling process involving alternated application of thermal and mechanical energy. 3,826,536, 7-30-74, Cl. 299-14.000.

Boyd, James; Garfield, Lawrence A.; Hanninen, Clifford; and Maki, Eugene, to Copper Range Company. Mining and tunnelling process involving alternated application of thermal and mechanical energy. 3,826,537, 7-30-74, Cl. 299-14.000.

Boyd, James C., to National Cash Register Company, The. Electrical test apparatus including high gain amplifier circuit. 3,783,372, 1-1-74, Cl. 324-158.00t.

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Boyd, James W.: *See—*
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Boyd, James W., to Packaging Corporation of America. Carton construction. 3,790,062, 2-5-74, Cl. 229-2.500.
Boyd, James W., to Packaging Corporation of America. Pad for cushion packing fragile articles. 3,853,221, 12-10-74, Cl. 206-521.000.
Boyd, John; and Hennel, Allan K., to Westinghouse Electric Corporation. Support for a steam generator. 3,851,626, 12-3-74, Cl. 122-510.000.
Boyd, John A. Waste separating and recycling system. 3,802,631, 4-9-74, Cl. 241-20.000.
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Boyd, Thomas J. Batten roof and sheet metal batten. 3,851,434, 12-3-74, Cl. 52-465.000.
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Boyd, Violet; Evans, Ronald Arthur; Holt, Kenneth Anthony; and Renfrew, Andrew Hunter Morris, to Imperial Chemical Industries Limited. Leucauramine derivatives. 3,830,835, 8-20-74, Cl. 200-510.000.
Boyd, Violet; Evans, Ronald Arthur; Holt, Kenneth Anthony; and Renfrew, Andrew Hunter Morris, to Imperial Chemical Industries Limited. Leucauramine derivatives. 3,839,424, 10-1-74, Cl. 260-501.110.
Boyd, William A.: *See—*
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Boyd, William C., to United States of America, Navy. Multiple target indicator and discriminator. 3,849,779, 11-19-74, Cl. 343-7.400.
Boyd, William D.; Dale, Dennis L. E.; and Jones, Roy, to Ford Motor Company. Carburetor bowl vent. 3,814,392, 6-4-74, Cl. 261-72.00r.
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Boyer, Jean, to Hanff-Serres & Cie Societe Auxil. Safety windshields. 3,807,791, 4-30-74, Cl. 296-84.00k.
Boyer, Jean-Jacques. Rotary device with adjustable axial bearing. 3,789,740, 2-5-74, Cl. 91-486.000.
Boyer, John A.; Ludwig, David P.; and Zwickel, Friedrich, to Western Electric Company, Incorporated. Loading of compliant tape. 3,785,903, 1-15-74, Cl. 156-356.000.
Boyer, John Albert; Ludwig, David Paul; and Zwickel, Friedrich, to Western Electric Company, Incorporated. Method for compliant bonding. 3,800,409, 4-2-74, Cl. 29-493.000.
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Boyer, Marcel-Louis, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Device for punching and/or reading a tape. 3,795,793, 3-5-74, Cl. 235-61.100.
Boyer, Nicodemus E., to Borg-Warner Corporation. Substituted norbornene compounds and their applications in thermoplastic polymer compositions. 3,784,581, 1-8-74, Cl. 260-464.000.
Boyer, Robert Allan; and Chen, Anthony Hing, to Miles Laboratories, Inc. Process for treating continuous filaments. 3,854,870, 12-17-74, Cl. 8-139.000.
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Boyhont, Donald S.; Souders, Marvyn L.; and Matweecha, David M., to Fuller Company. Flow gate for a fludizing gravity conveyor. 3,850,479, 11-26-74, Cl. 302-29.000.
Boyko, Eugene S.; Campbell, Joseph; and Wiggins, Roger J., to Westinghouse Electric Corporation. Method of sealing nuclear fuel elements by electric welding. 3,842,238, 10-15-74, Cl. 219-137.000.
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Boyle and Osborn a Partnership of N.Y.: *See—*
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Boyle, Donn G.: *See—*
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Boyle, James H.; and Ingalls, John E., to Howmet Corporation. Precision casting with variable angled vanes. 3,848,654, 11-19-74, Cl. 164-34.000.
Boyle, Jamie N.; and Decker, Edmund C., Jr., to Honeywell Information Systems, Inc. Quick-release standoff and support device. 3,854,374, 12-17-74, Cl. 85-84.000.
Boyle, John A., to Lee, Raymond, Organization Inc., The. Safety device for automobiles: glare shield. 3,804,456, 4-16-74, Cl. 296-97.00e.
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Boyle, Kenneth Hector McKinnon; and Rogers, Thomas, to Barr and Stroud Limited. Apparatus for measuring the area between a fluctuating signal and an inclined baseline. 3,831,590, 8-27-74, Cl. 128-2.50r.
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Boyle, Robert G.; and Boyle, Marian F. Inflatable toilet seat 3,808,612, 5-7-74, Cl. 4-239.000.
Boyle, Willard Sterling; and Smith, George Elwood. Buried channel charge coupled devices. 3,792,322, 2-12-74, Cl. 317-235.00r.
Boyle, Willard Sterling; and Smith, George Elwood, to Bell Telephone Laboratories, Incorporated. Three dimensional charge coupled devices. 3,796,927, 3-12-74, Cl. 317-235.000.
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Bozanic, Donald A.; Mergerian, Dickron; and Minarik, Ronald W., to Westinghouse Electric Corporation. Generation of repetitive spin echoes in rutile. 3,821,636, 6-28-74, Cl. 324-6.50r.
Bozanic, Donald A.; Mergerian, Dickron; Minarik, Ronald W.; and Pincoffs, Peter H., to Westinghouse Electric Corporation. Spin echo frequency hopping. 3,829,760, 8-13-74, Cl. 324-.50r.
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Bradshaw, Kenneth; and Buckingham, James Ernest, to Cam Gears Limited. Rack and pinion assemblies. 3,844,182, 10-29-74, Cl. 74-498.000.

Bradshaw, Randolf F., to Addressograph-Multigraph Corporation. Electrical information recognition and retrieval. 3,831,008, 8-20-74, Cl. 235-61.11h.

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Brady, William M. Time perspective audio-video translator. 3,806,873, 4-23-74, Cl. 340-148.000.

Brady, William S., to Babcock & Wilcox Company, The. Impaled and compressed fibrous furnace lining. 3,854,262, 12-17-74, Cl. 52-404.000.

Braelow, David B.: *See—*
Kimmelmann, Carl E., 3,855,441.

Braen, H. Peter; and Hafner, Raymond A., to Mohawk Data Sciences Corporation. Fan-folded paper stacker for high speed printer. 3,829,080, 8-13-74, Cl. 270-61.00f.

Braess, Hans-Hermann, to Porsche, Dr.-Ing., H.c.F., Aktiengesellschaft. Steering arrangement for motor vehicles. 3,839,883, 10-8-74, Cl. 64-27.0nm.

Braet, August: *See—*
Mortimer, Frans H.; Jacobs, Gerard O.; Decoene, Frans J. G C.; Braet, August; and Rowland-Hill, Edward W., 3,848,609.

Braeuer, Hans; and Brinkhoff, Hans. Magnesium orotate glycinate and its complex compound with magnesium glycinate and their preparation. 3,821,224, 6-28-74, Cl. 260-260.000.

Braeuninger, Karl F., to Dow Chemical Company, The. Mandrel for extruding tubing. 3,820,374, 6-28-74, Cl. 72-265.000.

Braeuninger, Karl F. Mandrel for extruding tubing. 3,826,122, 7-30-74, Cl. 72-264.000.

Brafford, Donald A., to Beloit Corporation. Covered roll for paper making. 3,800,381, 4-2-74, Cl. 29-132.000.

Brafman, Marek; Godeau, Alain; Laverlochere, Jean; and Lecomte, Jean-Luc, to Commissariat a l'Energie Atomique and Entreprise de Recherches et d'Activites Petrolieres (ELF). Method of remote analysis of the composition of a medium and a device for carrying-gout said method. 3,798,455, 3-19-74, Cl. 250-256.000.

Bragaglia, Giorgio; and Grossi, Francesco. Machine for forming containers, trays and the like out of corrugated cardboard or similar. 3,811,368, 5-21-74, Cl. 93-55.000.

Bragdon, Robert W.; Thunberg, Jon C.; and Moore, William P., to Grace, W. R., & Co. Process for recovering iminodiacetic acid from sodium sulfate solutions. 3,808,269, 4-30-74, Cl. 260-534.00e.

Bragdon, Robert W.; Thunberg, Jon C.; and Moore, William P., to Grace, W. R., & Co. Process for recovering iminodiacetic acid from sodium chloride solutions. 3,852,344, 12-3-74, Cl. 260-534.00e.

Bragdon, Robert W. Process for preparing substantially non-caking sodium chloride. 3,856,922, 12-24-74, Cl. 423-268.000.

Bragg, Gary O.: *See—*
Adams, Robert E.; Bragg, Gary O.; Jones, Nelson A.; and Treick, Roger E., 3,822,763.

Bragg, Gary O.; Bahr, Russel F.; and Williamson, Shellie P., to Caterpillar Tractor Company. Apparatus for coating a torsional vibration damper weight. 3,792,683, 2-19-74, Cl. 118-416.000.

Bragg, John K.: *See—*
Bogar, Joseph E.; Bragg, John K.; and Hare, George H., 3,792,450.

Bragg, Kenneth R., to Parker-Hannifin Corporation. Fuel tank inerting system with means to improve thermal stability of fuel. 3,788,039, 1-29-74, Cl. 55-160.000.

Bragg, Kenneth R.; and Kenyon, Richard L., to Parker-Hannifin Corporation. Fuel tank inerting system. 3,788,040, 1-29-74, Cl. 55-160.000.

Bragg, Kenneth R. Tool for manipulating dental floss. 3,799,177, 3-26-74, Cl. 132-92.000.

Bragg, Kenneth R.; and Nichols, Richard A., to Parker-Hannifin Corporation. Fire prevention and/or suppression system. 3,830,307, 8-20-74, Cl. 169-9.000.

Bragg, Ralph J.: *See—*
Rothfelder, Raymond E.; and Bragg, Ralph J., 3,839,059.

Braggins, George Roderick Derham; and Pooley, Donald Humphrey, to Wellman Bibby Company Limited, The. Torque limiting device. 3,835,973, 9-17-74, Cl. 192-56.00r.

Braginetz, Paul A. Mechanical geometric generator for trochoids employing a bi-linear radial co-ordinate system. 3,808,944, 5-7-74, Cl. 90-15.00a.

Braginetz, Paul A., to Morris, Philip, Incorporated. Article display container. 3,822,781, 7-9-74, Cl. 206-45.140.

Braginetz, Paul A., to Morris, Philip, Incorporated. Blade dispenser. 3,827,597, 8-6-74, Cl. 221-232.000.

Braginetz, Paul A., to Morris, Philip, Incorporated. Magazine holding razor blade cartridges in floating manner. 3,833,146, 9-3-74, Cl. 221-66.000.

Braginetz, Paul A. Bottle closure. 3,851,783, 12-3-74, Cl. 215-232.000.

Braginetz, Paul A.; and Risher, Frederick L., to Morris, Philip, Incorporated. Apparatus for limiting shaving geometry variation in safety razors. 3,852,880, 12-10-74, Cl. 30-77.000.

Brahler, George R. Container closure. 3,788,512, 1-29-74, Cl. 220-25.000.

Brahman, Rodman S., to Heath Company. Automatic range switching for digital depth sounders. 3,787,802, 1-22-74, Cl. 340-3.00r.

Braid, John E.: *See—*
Cubbon, Robert C. P.; Braid, John E.; Oates, Alfred E.; and Preston, Ronald, 3,787,503.

Braid, Milton, to Mobil Oil Corporation. Reaction product of a phosphorodithioate and a carbodiimide. 3,793,297, 2-19-74, Cl. 260-944.000.

Braid, Milton, to Mobil Oil Corporation. Lubricant compositions. 3,798,166, 3-19-74, Cl. 252-51.50a.

Braid, Milton, to Mobil Oil Corporation. Organic compositions containing synergistic antioxidant mixtures. 3,825,496, 7-23-74, Cl. 252-48.200.

Braid, Milton, to Mobil Oil Corporation. Lubricant compositions containing derivatives of anthranilic acid. 3,856,690, 12-24-74, Cl. 252-51.50a.

Braidt, Helfried; and Figl, Johann. Shutoff valve with leak indicating means. 3,835,878, 9-17-74, Cl. 137-246.130.

Brailowsky, Vladimir; and Alson, Erwin A., to General Motors Corporation. Method of making magnetically-anisotropic permanent magnets. 3,855,374, 12-17-74, Cl. 264-24.000.

Brailsford, Brian H.; Bramley, Frank; and Hartshorn, Frank, to USM Corporation. Adhesive control for shoe lasting machine. 3,849,818, 11-26-74, Cl. 12-12.500.

Brain, Alfred E.: *See—*
Fennema, Claude L.; Brain, Alfred E.; Rosen, Charles A.; and Yarborough, John M., 3,818,191.

Brain, Alfred E., to American Express Investment Management Company. System for differential particle counting. 3,824,393, 7-16-74, Cl. 250-222.0pc.

Brain Dust Patents Establishment: *See—*
Kuchler, Fritz, 3,834,259.
Kuchler, Fritz, 3,834,475.

Brain, Thomas John Stirrat, to National Research Development Corporation. Improvements in measuring the velocity of gases. 3,842,670, 10-22-74, Cl. 73-194.00f.

Brainard, Edward C., II, to Enviromental Devices Corporation. Method and apparatus for determining pollution index. 3,807,860, 4-30-74, Cl. 356-72.000.

Brainard, James L.; and Palm, Robert J. Vehicle wheel and spider therefor. 3,788,705, 1-29-74, Cl. 301-9.0dn.

Brainard, Robert E. Golf shot measuring apparatus. 3,815,922, 6-11-74, Cl. 273-184.00b.

Brainerd Manufacturing Co.: *See—*
Lippman, Aaron H., 3,788,107.

Brainin, Herbert, to Vitredent Corporation. Dental implant. 3,797,113, 3-19-74, Cl. 32-10.00a.

Brainin, Herbert, to Vitredent-Corporation. Dental implant. 3,849,887, 11-26-74, Cl. 32-10.00a.

Braitberg, Michael F.; and Brown, Robert V. G., to Honeywell Inc. Method of making a magnetic head structure. 3,807,042, 4-30-74, Cl. 29-603.000.

Braithwaite, David G.; Johnson, Carl E.; and Seale, Virgil L., to Nalco Chemical Company. Catalyst and process of preparing. 3,810,845, 5-14-74, Cl. 252-455.00z.

Braithwaite, David G.; Cross, Carl F., and Basila, Michael R., to Nalco Chemical Company. Hydrotreating catalyst. 3,840,477, 10-8-74, Cl. 252-455.00r.

Brajkovich, William D. Motorcycle carrier and chock. 3,785,517, 1-15-74, Cl. 214-450.000.

Brake, Jon M.: *See—*
Deindoerfer, Fred H.; and Brake, Jon M., 3,795,581.

Brake, Jon M.; and Deindoerfer, Fred H., to American Hospital Supply Corporation. Blood collection and preservation unit. 3,847,738, 11-12-74, Cl. 195-1.800.

Brake, Loren D., to Du Pont de Nemours, E. I., and Company. Mildewcide for paint. 3,817,760, 6-18-74, Cl. 106-15.0af.

Brake, Loren D., to Du Pont de Nemours, E. I., and Company. Mildewcide for paint. 3,817,761, 6-18-74, Cl. 106-15.0af.

Brake, Loren D., to Du Pont de Nemours, E. I., and Company. Mildewcide for paint. 3,817,762, 6-18-74, Cl. 106-15.0af.

Brake, Loren D., to Du Pont de Nemours, E. I., and Company. Process for the preparation of hexamethyleneimine. 3,830,800, 8-20-74, Cl. 260-239.00b.

Brake, William E.: *See—*
Jouhal, Teja S.; and Brake, William E., 3,803,969.

Brakebill, Harold G.: *See—*
Lewis, Jay L.; Puster, Louis M.; and Brakebill, Harold G., 3,813,034.
Puster, Louis M.; Lewis, Jay L.; and Brakebill, Harold G., 3,814,311.
Puster, Louis M.; Lewis, Jay L.; and Brakebill, Harold G., 3,819,113.

Brakebill, Harold G.; Lewis, Jay L.; and Berleyoung, Walter J., to Robertshaw Controls Company. Pressure regulator construction and method of making the same. 3,791,405, 2-12-74, Cl. 137-494.000.

Brakebill, Harold G., to Robertshaw Controls Company. Control device having an adjustable range and method of making the same. 3,807,254, 4-30-74, Cl. 74-526.000.

Brakebill, Harold G., to Robertshaw Controls Company. Temperature compensated pressure sensor and mounting means therefor. 3,850,039, 11-26-74, Cl. 73-420.000.

Braley, Silas A.: *See—*
Edmunds, Louis Henry, Jr.; and Braley, Silas A., 3,831,583.

Bralorne Resources Limited: *See—*
Ellett, James R., 3,838,711.

Braly, Joseph M., to Con-Sole Golf Corporation. Golf club head of the iron type having a concave sole. 3,810,631, 5-14-74, Cl. 273-167.00a.

Bram, Georges Eugene, to Pont-A-Mousson S.A. Locking device for pipe elements. 3,844,589, 10-29-74, Cl. 285-184.000.

Bramall, John Walter, to Portasilo Limited. Lavatory accommodation. 3,839,745, 10-8-74, Cl. 4-11.000.

Brambilla, Luigi: *See—*
Allgaier, Rudolf; Brambilla, Luigi; and Scholz, Hansjurgen, 3,820,814.
Allgaier, Rudolf; Brambilla, Luigi; and Scholz, Hansjurgen, 3,831,972.
Scholz, Hansjurgen; Brambilla, Luigi; and Allgaier, Rudolf, 3,856,103.

Bramble, Reba H.: *See—*
Spillane, Leo J., Alexander, Stephen H.; and Bramble, Reba H., 3,849,229.

Brambring, Dieter Ferdinand, to Moller, J. D., Optische Werke GmbH, Firma. Microsurgical operating unit. 3,809,454, 5-7-74, Cl. 350-84.000.

Bramel, Gerald F., to Staley, A. E., Manufacturing Company. Compositions and method for making water resistant, short tack adhesives. 3,844,807, 10-29-74, Cl. 106-213.000.

Bramfitt, Bruce L.: *See—*
Melloy, George F.; Bramfitt, Bruce L.; and Marder, Arnold R., 3,826,691.

Bramfitt, Bruce L.; and Marder, Arnold R., to Bethlehem Steel Corporation. Worked bainitic ferrous alloy and method. 3,806,378, 4-23-74, Cl. 148-12.000.

Bramfitt, Thomas Hugh, to Ethyl Corporation. Dual fuel system. 3,783,849, 1-8-74, Cl. 123-127.000.

Bramhill, Percy W. Apparatus for making cigarettes. 3,822,710, 7-9-74, Cl. 131-70.000.

Bramley, Frank: *See—*
Brailsford, Brian H.; Bramley, Frank; and Hartshorn, Frank, 3,849,818.

Bramley, Robert K.: *See—*
Sorenson, Charles E.; Stubblefield, Clyde D., Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,816,985.
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,824,772.

Brammall Inc.: *See—*
Van Gompel, James J., 3,854,312.

Bramson, Mogens L.: *See—*
Tyson, William H., Jr.; and Bramson, Mogens L., 3,834,544.

Bran & Luble: *See—*
Lieckfeld, Werner, 3,833,151.

Brana Fernandez, Miguel; and Roldan Martinez, Christobal, to Laboratorios Made, S.A. 5-Hydroxytryptophan alpha-ketoglutarate and its derivatives. 3,847,941, 11-12-74, Cl. 260-326.140.

Brancaccio, Giovanni: *See—*
Viterbo, Rene; Brancaccio, Giovanni; and Perri, Giulio Cesare, 3,838,123.

Brancaleone, Salvatore T.; and Oliver, Leland W., to International Telephone and Telegraph Corporation. Electrical connector with component grounding plate. 3,790,858, 2-5-74, Cl. 317-99.000.

Branch, Geoffrey Hindle; and Hall, James Edward, to Pilkington Brothers Limited. Apparatus for transferring sheet material. 3,848,752, 11-19-74, Cl. 214-1.0bs.

Branch, William C.: *See—*
Booth, Jack J., 3,809,292.

Branch, William C.; and Booth, Jack J. Beverage dispenser. 3,853,245, 12-10-74, Cl. 222-144.500.

Branchaud, Jean Marie. Door closing device. 3,827,105, 8-6-74, Cl. 16-190.000.

Branco, Richard P.; and Bader, Clifford J., to Burroughs Corporation. Mechanical-to-electrical conversion system. 3,800,212, 3-26-74, Cl. 322-28.000.

Brand, Albert H.; and Rao, K. Jagan Moran, to Technicon Instruments Corporation. Electrode structure for potentiometric sample analysis. 3,853,732, 12-10-74, Cl. 204-195.00f.

Brand, Arnold J.: *See—*
Sacks, Sidney M.; Brand, Arnold J.; and Slump, William R., 3,828,347.

Brand, Arnold J.; and Sacks, Sidney M., to Singer Company, The. Octant determination system for an analog to digital converter. 3,829,854, 8-13-74, Cl. 340-347.0ad.

Brand, Charles S., to Oberly & Newell, Inc. Modular display stand. 3,789,778, 2-5-74, Cl. 108-94.000.

Brand, Derek A.: *See—*
Imatt, Alexander; and Brand, Derek A., 3,855,991.

Brand, Derek A.; and Imatt, Alexander, to Glass, Marvin, & Associates. System for operation miniature vehicles. 3,837,286, 9-24-74, Cl. 104-60.000.

Brand, Erich; and Barth, Hans-Dieter, to Chemiebau Dr., A. Zieren GmbH & Co. KG. Apparatus for the separation of organic acid anhydrides. 3,819,333, 6-25-74, Cl. 23-273.00f.

Brand, John R.; Carlson, Alden J.; and Penhollow, Bert G. H., to Warwick Electronics Inc. Chord control system for electronic organ. 3,844,192, 10-29-74, Cl. 84-1.010.

Brand, Karl. Apparatus for processing sheet material. 3,795,166, 3-5-74, Cl. 83-409.000.

Brand, Karl, to Kugelfischer Georg Schafer & Co. Braiding machine. 3,802,312, 4-9-74, Cl. 87-29.000.

Brand, Norman James: *See—*
Burchall, Malcolm Arthur; Copplestone, Donald Sydney; Crowe, John Edward; Brand, Norman James; Bland, Ian Robert; Cryer, Terence Frederick; and Thompson, Robert Stuart, 3,840,798.

Brand, Warren H.; and Scott, John, Jr., to Yarway Corporation. Pilot-operated steam traps. 3,791,578, 2-12-74, Cl. 236-57.000.

Brand, Warren L.; and Kashkooli, Farajollah, to Signetics Corporation. Mos semiconductor structure with increased field threshold and method for making the same. 3,787,251, 1-22-74, Cl. 148-187.000.

Brand, Werner; and Haarkotter, Hermann, to Waggonfabrik Verdingen AG. Pneumatic spring for railroad cars. 3,826,507, 7-30-74, Cl. 267-3.000.

Brand, Wilhelm, to Berstorff, Hermann, Maschinenbau GmbH. Apparatus to control feed of material to an extruder. 3,785,527, 1-15-74, Cl. 222-56.000.

Brand, William W.; and Bullock, Milon Walker, to American Cyanamid Company. Process for preparing 2-imino-1,3-dithietanes. 3,842,096, 10-15-74, Cl. 260-327.00m.

Brandao, Roy Lopes; and Taylor, Robert Arnold, Jr., to Bendix Corporation, The. Digital sweep generator in video storage device for a data display system. 3,803,600, 4-9-74, Cl. 343-5.0dp.

Brandau, Rainer, to Desitin-Werk Carl Klinke GmbH. Concentrate for infusion purposes containing 5,5-diphenylhydantoin sodium. 3,856,964, 12-24-74, Cl. 424-273.000.

Brandberg, Lawrence C.: *See—*
Katz, Morris H.; and Brandberg, Lawrence C., 3,851,574.

Brandeberry, Don R.: *See—*
Fritch, Junior L.; and Brandeberry, Don R., 3,791,780.
Fritch, Junior L.; and Brandeberry, Don R., 3,837,764.

Brandel, Klaus: *See—*
Bratke, Dieter N.; and Brandel, Klaus, 3,803,938.

Brandell, John R., to Brandell Products Corporation. Golf putting practice device. 3,799,555, 3-26-74, Cl. 273-179.00a.

Brandell, John R. Golf practice aids. 3,806,132, 4-23-74, Cl. 273-186.00b.

Brandell, John R., to Brandell Products Corporation. Golf putting practice devices. 3,810,632, 5-14-74, Cl. 273-179.00a.

Brandell, John R. Golf putting game device. 3,854,728, 12-17-74, Cl. 273-179.00a.

Brandell Products Corporation: *See—*
Brandell, John R., 3,799,555.
Brandell, John R., 3,810,632.

Brandenburg, Dietrich; and Puls, Walter, to Bayer Aktiengesellschaft. Process for the preparation of insulin derivatives cross-linked by a dicarboxylic acid group at the amino A-1 glycine and amino B-29 lyaine. 3,847,893, 11-12-74, Cl. 260-112.700.

Brandenburg, Frank J., Jr. Radiant heater. 3,786,230, 1-15-74, Cl. 219-345.000.

Brandenburg, Helmut, to Gebr. Eickhoff, Maschinenfabrik und Eisengiesserei m.b.H. Glue-applying apparatus for corrugated paperboard machine. 3,789,795, 2-5-74, Cl. 118-262.000.

Brandenburg, John T.; Suggitt, Robert M.; and Liden, Thomas M., to Texaco Inc. Conversion of alkylaromatics. 3,792,098, 2-12-74, Cl. 260-668.00a.

Brandenburg, Klaus, to U.S. Philips Corporation. Thermodynamic reciprocating machine with temperature-controlled fuel supply to burner. 3,782,120, 1-1-74, Cl. 60-524.000.

Brandenburg, Klaus; and Kuhlmorgen, Joachim, to U.S. Philip's Corporation. Multicylinder thermodynamic reciprocating machine in which the fuel supply to burner devices is controlled by means of temperature-sensitive elements. 3,822,550, 7-9-74, Cl. 60-24.00.

Brandenburg, Wilson C., Jr. Electrical (H.V.) distributor cap contacts for spark ignited combustion engines. 3,810,074, 5-7-74, Cl. 339-100.000.

Brandenburgsky, Mikhail Galileevich: *See—*
Tobak, Lev Zeilikovich; Brandenburgsky, Mikhail Galileevich; Lichman, Nikolai Iosifovich; and Lygovskoi, Andrei Likyanovich, 3,810,293.

Brandenstein, Manfred: *See—*
Schurger, Rainer; Walter, Lothar; Brandenstein, Manfred; and Feldle, Kurt, 3,822,605.
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Brander, Richard: *See—*
Weiss, Erwin M.; and Brander, Richard, 3,783,201.

Brander, Richard, to Beltron Electronics Corporation. Data or audio recording and blayback apparatus. 3,797,038, 3-12-74, Cl. 360-39.000.

Brander, Richard; and Weiss, Erwin M., to Beltone Electronics Corporation. Receiver assembly incorporating acoustical enclosure for receiver. 3,812,300, 5-21-74, Cl. 179-107.00r.

Brandestini, Antonio: *See—*
Brandestini, Antonio; Siegwart, Hans Rudolf; and Kaser, Rene (said Siegwart and said Kaser assors. to said), 3,820,832.

Brandestini, Antonio; Siegwart, Hans Rudolf; and Kaser, Rene, said Siegwart and said Kaser assors. to said Brandestini, Antonio. Anchoring device for wire strands in prestressed concrete structures. 3,820,832, 6-28-74, Cl. 24-115.00a.

Brandhorst, Henry W., Jr.: *See—*
Evans, John C., Jr.; and Brandhorst, Henry W., Jr., 3,806,835.

Brandi, Adolph John; and Muthig, James Vincent, to Allied Chemical Corporation. Process for forming an improved fiber tow by applying false twist to the tow. 3,855,778, 12-24-74, Cl. 57-156.000.

Brandi, Bebriella: *See—*
Lugli, Gabriele; and Brandi, Bebriella, 3,816,372.

Brandimarte, Alfred P., to Texas Engineering and Sales Company. Portable air conditioner and heating unit. 3,802,216, 4-9-74, Cl. 62-262.000.

Brandin, Axel Borje, to Produits Findus S.A. Process for preparing a frozen food product. 3,808,342, 4-30-74, Cl. 426-164.000.

Brandin, Tore; and Frejd, Bo, to Stal Refrigeration AB. Device for evenly mixing and distributing a gas and liquid mixture. 3,795,259, 3-5-74, Cl. 137-561.00a.

Brandin, Tore; and Lundberg, Anders, to Stal Refrigeration AB. Rotary compressor with oil cooling. 3,820,350, 6-28-74, Cl. 62-193.000.

Brandinger, Jay Jerome; Pritchard, Dalton Harold; Fredendall, Gordon Lyle; and Schroeder, Alfred Christian, to RCA Corporation. Color signal producing system utilizing spatial color encoding and comb filtering. 3,828,121, 8-6-74, Cl. 178-5.4st.

Brandis, Helmut; and Oppenheim, Rudolf, to Deutsche Edelstahlwerke GmbH. Ferritic heat-resistant steel. 3,782,925, 1-1-74, Cl. 75-124.000.

Brandis, Helmut; Oppenheim, Rudolf; Lennartz, Gustav; and Kiesheyer, Heinrich, to Deutsche Edelstahlwerke GmbH. Ferritic stainless steel. 3,856,515, 12-24-74, Cl. 75-126.00c.

Brandjord, Glenn O. Retractable load box cover. 3,806,185, 4-23-74, Cl. 296-98.000.

Brandl, Eugene H.; and McHugh, Neil M., to Colgate-Palmolive Company. Polish. 3,847,622, 11-12-74, Cl. 106-10.000.

Brandl, Hermann J.: *See—*
Lau, Gunther; Bradatsche, Edmond; and Brandl, Hermann J., 3,842,795.

Brandl, Karl, to Lonza Ltd. Method of forming plastic sandwich structures. 3,834,932, 9-10-74, Cl. 117-47.000.

Brandle, Charles D., Jr.: *See—*
Fay, Homer; and Brandle, Charles D., Jr., 3,785,992.

Brandle, Karl: *See—*
Hahnkamm, Volker; Rademachers, Jakob; Henkel, Hanno; Brandle, Karl; and Schafer, Kurt, 3,836,378.

Brandlein, James D.; and Potter, Max E., to Western Electric Company, Incorporated. Insertable electrical termination mounting. 3,838,203, 9-24-74, Cl. 174-68.500.

Brandlein, James D., to Western Electric Company, Incorporated. Electrical switching device having self-cleaning contactor elements. 3,858,021, 12-31-74, Cl. 200-164.000.

Brandly, Ernest B. Plow. 3,830,312, 8-20-74, Cl. 172-225.000.
Brandom, Boyce: *See—*
Killen, Richard J.; Brandom, Boyce; and Howard, Lyman S., 3,811,244.
Brandon, Arthur Cecil, to American Telephone and Telegraph Company. Line usage measuring circuit. 3,829,618, 8-13-74, Cl. 179-8.00a.
Brandon, Clarence W. Use of liquefiable gas to control liquid flow in permeable formations. 3,794,114, 2-26-74, Cl. 166-249.000.
Brandon, Harold J.; and Spicer, Wilson C., to General Motors Corporation. Recirculating combustion apparatus jet pump. 3,826,083, 7-30-74, Cl. 60-39.650.
Brandon, Kenneth F.; and Perconti, Thomas J., to Eastman Kodak Company. Method and apparatus for grouping and handling a plurality of webs. 3,847,319, 11-12-74, Cl. 226-4.000.
Brandon, Paul W.: *See—*
Takewell, Robert B.; Brandon, Paul W.; and Odom, Paul R., 3,803,283.
Takewell, Robert B.; Brandon, Paul W.; and Odom, Paul R., 3,834,850.
Brandquist, Rune Lennart, to U.S. Philips Corporation. Generator for producing ultrasonicoscillations. 3,842,340, 10-15-74, Cl. 321-45.00r.
Brandriff, Robert C.; and Wilcox, John F. Apparatus for monitoring thread tension. 3,785,308, 1-15-74, Cl. 112-218.00r.
Brandstadter, Jack M.: *See—*
Taylor, John E.; and Brandstadter, Jack M., 3,844,196.
Brandstadter, Miroslav: *See—*
Machacek, Frantisek; Minarik, Josef; Rossa, Lubomir; Koristek, Zdenek; and Brandstadter, Miroslav, 3,785,178.
Brandstatter, Georg: *See—*
Brandstatter, Horst, 3,798,383.
Brandstatter, Horst, 3,824,735.
Brandstatter, Horst, to Brandstatter, Georg. Ringing device for an electrical telephone. 3,798,383, 3-19-74, Cl. 179-84.00r.
Brandstatter, Horst, to Brandstatter, Georg. Toy boat with separate compartment for battery and motor. 3,824,735, 7-23-74, Cl. 46-243.0mv.
Brandstetter, Robert; and Robin, Marcel, to Commissariat a l'Energie Atomique. Removable top shield for a nuclear reactor core. 3,801,448, 4-2-74, Cl. 176-40.000.
Brandstetter, Rudi: *See—*
Bergmann, Ewald; Schneider, Franz; Brandstetter, Rudi; and Kellenbenz, Rolf, 3,824,821.
Brandstetter, Walter R., to General Motors Corporation. Air induction system for an internal combustion engine. 3,783,845, 1-8-74, Cl. 123-55.0ve.
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Brannon, William E., to Staco-Switch, Inc. Pushbutton with spring contactor. 3,858,020, 12-31-74, Cl. 200-159.00a.
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Jacke, Stanley E.; and Jugler, John, 3,790,059.
Kramer, George C., 3,813,021.
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Brass, Robert L. Toy mail box. 3,787,987, 1-29-74, Cl. 35-1.000.
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Braunhut, Harold N. Aquatic baseball game. 3,853,317, 12-10-74, Cl. 273-88.000.

Brauniger, Georg: *See*—
Herzhoff, Peter; Gref, Hans; Schweicher, Wolfgang; Frenken, Hans; Voss, Karl; Platz, Stephan; Koepke, Gunther; and Brauniger, Georg, 3,793,051.

Braunlich, Gangolf, to Brown, Boveri & Cie AG. Method of continuously measuring organic substances in water, and device for carrying out the method. 3,803,384, 4-9-74, Cl. 250-345.000.

Braunlich, Peter F., to Bendix Corporation, The. Stimulated exoelectron emission dosimeter having high spatial resolution. 3,792,282, 2-12-74, Cl. 250-459.000.

Braunlich, Peter F., to Bendix Corporation, The. Electron and X-ray generator. 3,840,748, 10-8-74, Cl. 250-423.000.

Braunmiller, Heinz: *See*—
Stephany, Christian; Braunmiller, Heinz; and Katzer, Johannes, 3,827,637.

Braunschweigische Maschinenbauanstalt: *See*—
Backofen, Hans-Dieter; and Dittmann, Dietrich, 3,853,615.
Dietzel, Walter; and Matusch, Siegfried, 3,794,521.
Dietzel, Walter; and Matusch, Siegfried, 3,807,250.
Hartmann, Heinrich; Stelter, Siegfried; and Trelewsky, Heinz-Guenter, 3,835,997.
Hillebrand, Heinrich; and Schaper, Helmut, 3,837,913.

Braunstein, David M., to Celanese Corporation. Stabilized polyester film. 3,784,507, 1-8-74, Cl. 260-45.70p.

Braunstein, Harry R., to Westinghouse Electric Corporation. Fuse assembly for oil-filled transformers. 3,827,011, 7-30-74, Cl. 337-276.000.

Braunstein, Harry R., to Westinghouse Electric Corporation. Transformer having a thyristor controlled circuit breaker. 3,857,068, 12-24-74, Cl. 317-15.000.

Braunstein, Morris; and Bleha, William P., Jr., to Hughes Aircraft Company. Method of manufacture of liquid crystal device. 3,811,180, 5-21-74, Cl. 29-572.000.

Brautaset, Steinar; and Otterbeck, Finn, to Ardal & Sunndal Verk A/S. Suspension means for awning housing. 3,829,050, 8-13-74, Cl. 248-223.000.

Braverman, Maynard: *See*—
Fisher, William J., 3,823,454.

Bravin, Ben, to Cook Machinery Company, Division of Wire Technology & Machinery Company. Coordinated stopping of take-up and process machines. 3,831,412, 8-27-74, Cl. 72-19.000.

Bravo, Ricardo; and Street, I. C. Holder. 3,809,351, 5-7-74, Cl. 248-210.000.

Brawn, Darrell S. Ski motion simulating training device. 3,787,047, 1-22a74, Cl. 272-57.00b.

Brawner, Carle C., Jr.: *See*—
United States of America, National Aeronautics and Space Administration, 3,817,627.

Braxton Corporation: *See*—
White, Roby Byron, 3,826,993.

Bray, Arnold, to Lucas Aerospace Limited. Generator control circuits. 3,858,108, 12-31-74, Cl. 322-28.000.

Bray, Donald T., to Desalination Systems, Inc. Storage and dispensing apparatus for a reverse osmosis water purification system. 3,794,172, 2-26-74, Cl. 210-257.000.

Bray, Donald T., to Desalination Systems, Inc. Valve for reverse osmosis purification and storage system. 3,794,173, 2-26-74, Cl. 210-257.000.

Bray, Donald T., to Desalination Systems, Inc. Porous backing material for semipermeable membrane cartridges. 3,813,334, 5-28-74, Cl. 210-321.000.

Bray, Douglas R.: *See*—
Porter, David H.; and Bray, Douglas R., 3,831,022.

Bray, Geo. & Company Limited: *See*—
Cafferty, Micheal; and Jewitt, Cecil William, 3,807,642.

Bray, James A.: *See*—
Smith, John R.; and Bray, James A., 3,826,675.

Bray, Jules: *See*—
Leger, Lucien; and Bray, Jules, 3,819,387.

Bray, Kenneth J.: *See*—
Hilborn, Edwin H.; Vrabel, Joseph D.; and Bray, Kenneth J., 3,833,765.

Bray, Murel B. Vacuum thread trimmer. 3,815,533, 6-11-74, Cl. 112-252.000.

Bray Oil Company: *See*—
Pratt, Robert E., 3,842,134.

Bray, Richard Nicholas. Drilling apparatus and adaptor assembly for such apparatus. 3,835,943, 9-17-74, Cl. 175-173.000.

Bray, Robert S., to Anaconda Company, The, mesne. Method and apparatus for pre-heating and adding master alloy to a copper melt. 3,836,360, 9-17-74, Cl. 75-135.000.

Bray, Robert S.; and Tapley, Claude D., to Anaconda American Brass Co. Method of producing a metal strip including a longitudinal channel by roll-form reduction of a multi-gage strip. 3,850,019, 11-26-74, Cl. 72-199.000.

Brayton Cycle Improvement Associates, mesne: *See*—
Nebgen, William H., 3,788,066.

Brazan, Harry J. Tractor carried, dry cane leaves burner positioner and method of use. 3,804,078, 4-16-74, Cl. 126-271.200.

Brazee, Donald K., to Lambert Engineering Company. Motor means for space heater and method of use. 3,794,461, 2-26-74, Cl. 432-29.000.

Brazell, James W., to U.S. Railway Mfg. Co., mesne. Grantry cranes. 3,792,779, 2-19-74, Cl. 212-2.000.

Brazer, Geoffrey R.: *See*—
Curran, Patrick M.; Brazer, Geoffrey R.; and Erickson, John S., 3,815,661.

Brazeway, Inc.: *See*—
Hickman, Stephen L.; and Griewahn, Carl O., 3,827,485.

Brazier, Irvin L.; and Elliott, Bentley W., to Milprint, Inc. Triplex films with nylon as a laminating layer. 3,840,427, 10-8-74, Cl. 161-227.000.

Brazzel, Ronald D.: *See*—
Shell, Don C.; Tanner, David A.; and Brazzel, Ronald D., 3,788,037.

Brda, Otto. Hoist, especially rescue hoist. 3,807,696, 4-30-74, Cl. 254-154.000.

Bre, Michel, to Saint-Gobain Industries. Acoustical panels. 3,823,794, 7-16-74, Cl. 181-33.00g.

Breacain, Stephen J. Wheelchair anti-tip apparatus. 3,848,883, 11-19-74, Cl. 280-5.320.

Breacher, Charles, to GTE Laboratories Incorporated. Flash lamp. 3,807,935, 4-30-74, Cl. 431-93.000.

Bream, John B.; and Picard, Claude W., to Sandoz-Wander, Inc., mesne. Phenyl acetylimino-imidazolines and-hexahydropyrimidines. 3,822,262, 7-2-74, Cl. 260-256.40h.

Brean, John W.; and Mathevosian, Yervand, to Baldwin, D. H., Company. Impulse operated, day-night, rear view mirror. 3,839,663, 10-1-74, Cl. 318-480.000.

Brearley, Donald William, to International Business Machines Corporation. Cyclically rotatable eccentric pivot for ribbon reverse lever. 3,811,547, 5-21-74, Cl. 197-165.000.

Breath-E-Z Corporation: *See*—
Abrahams, Michael A.; Blacksburg, Alvin Brent; and Rand, Sidney, 3,833,001.

Breau, Mederic J. Rod gauge and holder. 3,785,059, 1-15-74, Cl. 33-178.00b.

Breauer, Hermann: *See*—
Dolfini, Joseph Edward; and Breauer, Hermann, 3,825,529.

Breaux, Onezime P.: *See*—
Medicus, Gostav K.; and Breaux, Onezime P., 3,787,781.

Breaux, Onezime P., to United States of America, Air Force. Stabilized, optimizable, gaseous electrical discharge, 3,804,502, 4-2-74, Cl. 356-85.000.

Breazeale, Billy H.: *See*—
Kraus, Herbert; and Breazeale, Billy H., 3,799,803.

Breber, Henry. Supplemental insulation with bypass impedance for electrical lines. 3,848,076, 11-12-74, Cl. 174-141.00r.

Brebik, Stephen J.; and Anthony, Roger B., to Essex International, Inc. Retainers for electrical components. 3,813,637, 5-28-74, Cl. 339-59.00r.

Brechbuehler, Hans Ulrich: *See*—
Herzog, Alexis; and Brechbuehler, Hans Ulrich, 3,853,868.

Brechbuhl, Heinrich. Centrifugal fan. 3,797,961, 3-19-74, Cl. 415-156.000.

Brechbuhler, Hans Ulrich; and Gubler, Kurt, to Geigy Chemical Corporation. Control of insects acarinae and nematodes with basically substituted 1-cyano-0-carbamoyl-formoximes. 3,803,320, 4-9-74, Cl. 424-304.000.

Brechbuhler, Hans Ulrich; and Gubler, Kurt, to Ciba-Geigy Corporation. 1-Morpholino-1-cyano-O-carbamoyl-formoximes. 3,821,217, 6-28-74, Cl. 260-247.20a.

Brecher, Lee E.: *See*—
Archer, David H.; and Brecher, Lee E., 3,804,606.
Archer, David H., Brecher, Lee E.; Morris, Joe P.; Talko, Francis; and Taylor, Herbert L., 3,811,936.

Brecher, Nicholas M. Packaging device. 3,826,359, 7-30-74, Cl. 206-216.000.

Brechner, Stanley: *See*—
Weiss, Bernard; Brechner, Stanley; and Schoenholz, Daniel, 3,833,418.
Weiss, Bernard; Brechner, Stanley; and Schoenholz, Daniel, 3,833,419.

Brecht, Carl T., to Senco Products, Inc. Nail and method and apparatus for making same. 3,835,991, 9-17-74, Cl. 206-343.000.

Brecht, Heinz: *See*—
Stach, Hans; Hoffmann, Dieter; and Brecht, Heinz, 3,836,552.

Brecht, Heinz. Apparatus for laying pipe. 3,820,345, 6-28-74, Cl. 61-41.00a.

Breck, Louis William, Jr.; and Pickle, Jack L., to Farah Manufacturing Company, Inc. Speed responsive pneumatic clutch and brake for needle. 3,805,930, 4-23-74, Cl. 192-18.00a.

Breckbill, Frank D. Snow compacting apparatus. 3,791,053, 2-12-74, Cl. 37-10.000.

Breckenfelder, Ernst G. Method of securing together a stack of roofing shingles. 3,815,212, 6-11-74, Cl. 29-432.100.

Breckenridge, Robert G., to Rockwell International Corporation. Non-commutating superconducting D.C. machine. 3,858,066, 12-31-74, Cl. 310-40.000.

Brecker, Lawrence Robert, to Argus Chemical Corporation. Synergistic mercapto organotin stabilizers. 3,787,357, 1-22-74, Cl. 260-45.75k.

Brecker, Lawrence Robert, to Argus Chemical Corporation. Synergistic organotin mercaptocarboxylic acid ester stabilizers. 3,803,083, 4-9-74, Cl. 260-45.75r.

Breckman, Jack, to RCA Corporation. Seperation control of aircraft by non-synchronous techniques. 3,803,608, 4-9-74, Cl. 343-6.51c.

Brecy, Andre Achille: *See*—
de l'Eprevier, Ludovic Grandin; and Brecy, Andre Achille, 3,823,360.

Brede, Alexander, III; Talmage, Charles Robert; and Tuttle, Elvin E., to Motor Wheel Corporation. Method and apparatus for sintering annular compacts. 3,782,931, 1-1-74, Cl. 75-224.000.

Brede, Alexander, III; Talmage, Charles Robert; and Tuttle, Elvin E. Method and apparatus for sintering annular compacts. 3,790,336, 2-5-74, Cl. 432-163.000.

Brede, Alexander, III; and Talmage, Charles Robert, to Motor Wheel Corporation. Method and apparatus for sizing brake drum rings. 3,805,360, 4-23-74, Cl. 29-401.000.

Brede, Alexander, III, to Motor Wheel Corporation. Vehicle wheel. 3,807,805, 4-30-74, Cl. 301-65.000.

Brede, Alexander, III; Schalla, Charles E.; and Tully, Frank R., to Motor Wheel Corporation. Apparatus for making a brake drum ring compact. 3,807,913, 4-30-74, Cl. 425-78.000.

Brede, Uwe: *See*—
Bendler, Hellmut, Brede, Uwe; Gawlick, Heinz; and Rudolph, Hans-Heinrich, 3,785,292.

Bredebusch, Heinrich, to Rotary Hoes Limited. Device for lubrication of horizontal wine and fruit presses with cylindrical press basket. 3,827,354, 8-6-74, Cl. 100-289.000.

Bredehorn, Friedrich; and Doge, Heinz, to Rheinstahl Eggers-Kehrhahn GmbH. Safety arrangement for escalator handrails and the like. 3,809,206, 5-7-74, Cl. 198-16.00r.

Bredemeier, Herbert C. Stereo laser endoscope. 3,796,220, 3-12-74, Cl. 128-303.100.

Bredemeier, Herbert C. Laser beam instrument for uterine cervical ionizations. 3,804,095, 4-16-74, Cl. 128-303.100.

Bredenbrock, Wolfgang: *See*—
Rothfuss, Georg; Gand, Heinz; Bredenbrock, Wolfgang; and Bohringer, Wilfried Paul, 3,851,285.

Bredereck, Hellmut F. I.; Iliopulos, Miltiadis I.; and Wieder, Horst F. Bis-(Pehydroxyphenyl) alkylphosponic acid ester condensation polymers. 3,847,866, 11-12-74, Cl. 260-47.0xa.

Bredesen, Philip N.; Knowles, Wendell V.; Lyons, Francis T.; Rawson, Edward B.; and Schwarzkopf, Daniel B., to Searle Medidata Inc. Input-output terminal for hospital information system. 3,839,708, 10-1-74, Cl. 340-172.500.

Bredeson, Dean K.: *See—*
Slaby, Robert K.; and Bredeson, Dean K., 3,814,563.

Bredeweg, Corwin J.: *See—*
Hickner, Richard A.; and Bredeweg, Corwin J., 3,784,607.

Bredlow, Harvey F.: *See—*
Taylor, Thomas D.; and Bredlow, Harvey F., 3,783,345.

Bredow, Brigitta Von: *See—*
Sturm, Elmar; Bredow, Brigitta Von; and Benningen, Christian Vogel, 3,839,337.

Bredow, Walter. Holding rail arrangement. 3,802,687, 4-9-74, Cl. 269-56.000.

Bredsted, Ole Jakobsen: *See—*
Pedersen, Henry Valdemar; and Bredsted, Ole Jakobsen, 3,790,301.

Bredt, Elmer S. Animal sanitary device. 3,819,220, 6-25-74, Cl. 294-19.00r.

Bredtmann, Manfred: *See—*
Gehrmann, Klaus; Erpenbach, Heinz; Handte, Heinz; and Bredtmann, Manfred, 3,838,018.

Breece, Jean; and Brown, Michael, to Carter-Wallace, Inc. Effervescent tablet. 3,821,117, 6-28-74, Cl. 252-99.000.

Breed, Laurence W.; and Wiley, James C., Jr., to United States of America, Air Force. Vinyl-substituted siloxane and siloxazana polymers. 3,803,086, 4-9-74, Cl. 260-46.50e.

Breeden, Earl W., to Garnette, Marie J. Pet house. 3,797,461, 3-19-74, Cl. 119-19.000.

Breeden Robert H.: *See—*
Jeffery, Robert W.; and Breeden Robert H., 3,799,096.

Breeding, William C., to Hearn, Richard; d/b/a Grossman Brush Chemical Co. AC solenoid control circuit. 3,796,925, 3-12-74, Cl. 317-157.000.

Breen, Alvin L.; and Lauterbach, Herbert G., to Du Pont de Nemours, E. I., and Company. Process and apparatus for jet-texturing yarn at high speed. 3,781,949, 1-1-74, Cl. 28-1.400.

Breen Alvin L.; and Lauterbach, Herbert G., to Du Pont de Nemours, E. I., and Company. Process and apparatus for texturing yarn. 3,854,177, 12-17-74, Cl. 28-1.400.

Breer, Karl, to Bayer Aktiengesellschaft. Apparatus and process for mixing components which react quickly with one another, more especially for the production of foam materials. 3,788,337, 1-29-74, Cl. 137-1.000.

Breer, Karl; and Schulte, Klaus, to Bayer Aktiengesellschaft. Introduction of reactants into moulds. 3,794,451, 2-26-74, Cl. 425-4.000.

Breev, Boris DmitrievICH: *See—*
Smirnov, Mikhail Dmitrievich; Ershov, Boris Alexandrovich; Savitsky, Vladilen Nikolaevich; Breev, Boris DmitrievICH; Atkarsky, Anatoly Alexandrovich; Shardakov, Svyatoslav Viktorovich; Sinajuk, David Aronovich; Stukalov, Vladimir Nikolaevich; and Puzynya, eonid Vasilievich, 3,824,642.

Breeze Corporations, Inc.: *See—*
Laky, Elmer, 3,807,784.

Brefka, Paul E., to Analog Devices, Incorporated. Case for panel-mounted electrical instruments. 3,793,563, 2-19-74, Cl. 317-107.000.

Breford, Glenn H., to Midway Industries, Inc. Fifth wheel trailer hitch. 3,848,894, 11-19-74, Cl. 280-437.000.

Bregar, George W., to Korthe Engineering Corporation. Fluid operated web break detector assembly with peripheral flange for microswitch operator. 3,823,282, 7-9-74, Cl. 200-61.180.

Bregler, Jurgen: *See—*
Keller, Helmut; Bregler, Jurgen; Rhein, Helmut; and Jahnke, Horst, 3,850,695.

Breglia, Denis R.; Mohon, Windell N.; and Mulson, Joseph F., to United States of America, Navy. Laser direct fire simulator employing refractive media. 3,788,733, 1-29-74, Cl. 350-287.000.

Breglia, John Eugene. Personal protective device. 3,812,583, 5-28-74, Cl. 30-164.900.

Brehm, Justin: *See—*
Bumpus, Ward H.; and Brehm, Justin, 3,786,233.

Brehm, Michael; and Rutsch, Peter, to Freudenberg, Carl. Foam polyurethane boot with lining. 3,823,493, 7-16-74, Cl. 36-2.50r.

Brehm, Ronald Carl; Folkenroth, Earl Ernest; and Wagner, Earl William, to AMP Incorporated. Electrical lead and harness manufacturing. 3,800,389, 4-2-74, Cl. 29-203.00d.

Brehm, Ronald Carl; and Over, William Roderick, to AMP Incorporated. Bench mounting and actuating apparatus for hand tool. 3,813,915, 6-4-74, Cl. 72-407.000.

Brehme, Hans, to Zeise, Theodor. Ship's propeller. 3,791,762, 2-12-74, Cl. 416-198.000.

Breidegam, Delight E., Jr.: *See—*
Bowers, Bernard P.; and Breidegam, Delight E., Jr., 3,834,479.

Breidenstein, Charles P.: *See—*
Thompson, Roy O.; and Breidenstein, Charles P., 3,786,153.

Breier, Marcus. Patch pocket construction. 3,823,420, 7-16-74, Cl. 2-247.000.

Breikss, Ivars P., to Honeywell Inc. Recording and playback system for self-clocking digital signals. 3,792,443, 2-12-74, Cl. 340-172.500.

Breikss, Ivars Peter, to Honeywell Inc. Compensation of reproduced signal by measuring deviation of recorded reference signal. 3,789,379, 1-29-74, Cl. 340-174.10h.

Breil, Gunther: *See—*
Berg, Leo; Breil, Gunther; Bielenberg, Waldemar; and Koch, Josef, 3,810,740.

Breil, Heinz: *See—*
Ziegler, Karl; Breil, Heinz; Holzkamp, Erhard; and Heinz, Martin, 3,826,792.
Ziegler, Karl; Martin, Heinz; Breil, Heinz; and Holzkamp, Erhard, 3,833,551.

Breil, Jacques: *See—*
Beauvais, Max P.; and Breil, Jacques, 3,836,328.

Breiling, Hans Georg; and Warnow, Detlef, to Dragerwerk Aktiengesellschaft. Method and apparatus for mixing gases under pressure particularly for respirators and medical devices. 3,809,109, 5-7-74, Cl. 137-88.000.

Breinlinger, Richard H.: *See—*
Villalobos, Luis F.; Harano, Allen A.; and Breinlinger, Richard H., 3,809,868.

Breit, Fritz E., to Pumpenfabrik Urach. Diaphragm pumps for delivering liquid or gaseous media. 3,807,906, 4-30-74, Cl. 417-383.000.

Breitbart, George: *See—*
Spitabny, Arnold; Breitbart, George; and Sporn, Stanley R., 3,787,624.

Breitbart, George J. Adjustable trouser-like garment. 3,823,419, 7-16-74, Cl. 2-227.000.

Breitenfellner, Franz: *See—*
Hrach, Josef; and Breitenfellner, Franz, 3,822,332.

Breitenstein, Charles T.: *See—*
Nicolaus, Frank G.; and Breitenstein, Charles T., 3,797,175.

Breiter, Fritz, to Langendorf Watch Company. Wobble riveting machine. 3,800,579, 4-2-74, Cl. 72-67.000.

Breitfuss, Thomas K., to Hydro Conduit Corporation. Lined conduit. 3,789,886, 2-5-74, Cl. 138-146.000.

Breitfuss, Thomas K., to Hydro Conduit Corporation. Transport vehicle having lift mechanism and associated extendible and retractable mobile object support. 3,791,540, 2-12-74, Cl. 214-75.00r.

Breitfuss, Thomas K. Intergrally combined preformed core and cast-in-place outer component section for pipeline assemblies. 3,812,884, 5-28-74, Cl. 138-105.000.

Breitfuss, Thomas K. Apparatus for installing underground pipelines. 3,830,606, 8-20-74, Cl. 425-59.000.

Breitholtz, Claes; and Lingberg, Gunnar, to Rader Companies, Inc. Rock trap for conveyor tube. 3,799,339, 3-26-74, Cl. 209-115.000.

Breitigam, Walter V.; and Low, Hans, to Shell Oil Company. Bis (haloalkyl) pyrophosphonic acid amine salts. 3,816,519, 6-11-74, Cl. 260-502.210.

Breitigam, Walter V.; and Henderson, Bennett M., to Shell Oil Company. Lubricant compositions. 3,844,960, 10-29-74, Cl. 252-32.70e.

Breitkopk, Walter J.: *See—*
Bayer, Jack L.; and Breitkopk, Walter J., 3,797,956.

Breitmeier, Max. Method and means for continuous distribution of electrical energy. 3,858,110, 12-31-74, Cl. 323-20.000.

Breitschwerdt, Werner; and Renner, Hermann, to Daimler-Benz Aktiengesellschaft. Safety instrument panel. 3,820,621, 6-28-74, Cl. 180-90.000.

Breitung, Glen A.; and Hershey, Harold Jacob, to Bell Telephone Laboratories, Incorporated. Coin collecting apparatus. 3,810,575, 5-14-74, Cl. 232-57.500.

Breitwieser, Roland: *See—*
Kaufman, Warner B.; and Breitwieser, Roland, 3,821,462.

Brejaud, Hubert P., to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). System for measuring time differences between remote clocks and for synchronizing the same. 3,789,653, 2-5-74, Cl. 73-6.000.

Brejner, Gunnar. Pressure maintaining for a liquid heating plant. 3,829,012, 8-13-74, Cl. 237-8.00r.

Brekke, Carroll E. Light liquid skimmer. 3,782,553, 1-1-74, Cl. 210-242.000.

Brelot, Rene; and Tourret, Jean, to Compagnie des Compteurs. Optical comparator with integrated reflectivity compensation. 3,784,309, 1-8-74, Cl. 356-156.000.

Bremaud, Claude R., to Societe Anonyme dite: Societe Europeenne de Propulsion. Submarine reservoirs. 3,834,337, 9-10-74, Cl. 114-16.00e.

Bremerkamp, Wilbert W.: *See—*
Renius, Otto; and Bremerkamp, Wilbert W., 3,817,030.

Bremm, Friedrich, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Drive gearing for folding aircraft wings. 3,853,290, 12-10-74, Cl. 244-46.000.

Bremner, David F., to National Cash Register Company, The. Price setting keys and method of transferring price to printer. 3,789,193, 1-29-74, Cl. 235-61.11r.

Brems, John Henry. Reciprocating drive mechanism. 3,789,676, 2-5-74, Cl. 74-27.000.

Brems, John Henry. Mechanical drive for transfer system. 3,837,473, 9-24-74, Cl. 198-219.000.

Brems, John Henry. Linear indexing mechanism. 3,857,292, 12-31-74, Cl. 74-52.000.

Brems, John Henry. Prime mover mechanism and transfer system. 3,857,479, 12-31-74, Cl. 198-219.000.

Bremseth, Gerald B., to LTV Ling Altec, Inc. Method of sound transducer construction. 3,792,526, 2-19-74, Cl. 29-594.000.

Bremshey AG: *See—*
Fuelling, Wolfgang; and Osenberger, Werner, 3,790,234.
Weber, Heinz, 3,831,614.

Brenan, Robert R., to GTE Sylvania Incorporated. Method for forming composite wire. 3,820,232, 6-28-74, Cl. 29-474.400.

Brendel, Albert E.: *See—*
Cooper, Phillip V.; and Brendel, Albert E., 3,790,811.

Brendel, Gottfried J.: *See—*
Niebylski, Leonard M.; and Brendel, Gottfried J., 3,811,972.

Brendel, Gottfried J., to Ethyl Corporation. Method of preparing a beryllium hydride containing composite. 3,816,193, 6-11-74, Cl. 149-109.000.

Brendel, Gottfried J.; and Shepherd, Lawrence H., Jr., to Ethyl Corporation. Secondary alkenols prepared from aluminum compounds. 3,821,318, 6-28-74, Cl. 260-632.00r.

Brendel, Robert: *See—*
Gates, H. Gordon; and Brendel, Robert, 3,835,586.

Brenden, Byron B., to Holotron Corporation. Improvements in and relating to ultrasonic lenser. 3,802,533, 4-9-74, Cl. 181-.5np.

Brenden, Byron B.; Neely, Victor I.; and Garlick, George F., to Holosonics, Inc. Scanning mid frequency acoustical prospecting method. 3,832,677, 8-27-74, Cl. 340-15.5tn.

Brendgord, Thomas, to American Sterilizer Company. Enclosure structure for modular system. 3,791,528, 2-12-74, Cl. 211-88.000.

Brendgord, Thomas, to General Partitions Mfg. Corporation. Partition made of foam material. 3,842,556, 10-22-74, Cl. 52-239.000.

Brendle, Thomas A.: *See—*
McCue, David D.; and Brendle, Thomas A., 3,786,512.

Brendle, Thomas A., to Audn Corporation. Multi-mode computing circuit. 3,784,803, 1-8-74, Cl. 235-195.000.

Brendzel, Henry Tzvi, to Bell Telephone Laboratories, Incorporated. Apparatus and method for 2's complement subtraction. 3,816,734, 6-11-74, Cl. 235-168.000.

Brendzel, Henry Tzvi; and Smith, Richard Allan, to Bell Telephone Laboratories, Incorporated. Noise spectrum equalizer. 3,855,423, 12-17-74, Cl. 179-15.55r.

Brener, Adrian. Punch-card time recording device. 3,827,058, 7-30-74, Cl. 346-86.000.

Brenez, Jean C. Y. Powder spray applicator device. 3,785,531, 1-15-74, Cl. 222-193.000.

Brenholdt, Irving R., to Farrand Optical Co., Inc. Size gauging and quality inspecting rotating articles by imaging onto spatial filters and detectors. 3,791,741, 2-12-74, Cl. 356-163.000.

Brenholts, Alfred R., to Stitt Spark Plug Company. Spark plug safety shield. 3,792,694, 2-19-74, Cl. 123-148.00a.

Brennan, Ambrose K., Jr.; and Lewis, Michael J., to Teledyne, Inc. Continuous processor for treating material. 3,823,921, 7-16-74, Cl. 259-192.000.

Brennan, David John; and Williams, Loraine Leonard, to Lucas Aerospace Limited. Mounting arrangements for printed circuit boards. 3,794,887, 2-26-74, Cl. 317-101.0dh.

Brennan, Francis P.: *See—*
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Brennan, Francis P. Packing brace for washing machines. 3,812,959, 5-28-74, Cl. 206-320.00m.

Brennan, George; and Prichard, Evan S., to Challenge-Cook Bros., Incorporated. Hydraulic system for controlling truck carrier apparatus. 3,838,885, 10-1-74, Cl. 298-22.00r.

Brennan, George A., to Challenge-Cook Bros., Incorporated. Apparatus for processing porous and absorbent sheet material in bulk. 3,803,882, 4-16-74, Cl. 68-208.000.

Brennan, Harry M.: *See—*
Bertolacini, Ralph J.; and Brennan, Harry M., 3,798,154.

Brennan, James A., to Mobil Oil Corporation. Wide-temperature range ester lubricants. 3,809,652, 5-7-74, Cl. 252-56.00r.

Brennan, James A., to Mobil Oil Corporation. Stable and pumpable liquid aluminum chloride and bromide complexes. 3,833,678, 9-3-74, Cl. 260-683.15b.

Brennan, James Norton; and Mitchell, Americus, to Continental Can Company, Inc. Sonic stylizing apparatus. 3,800,578, 4-2-74, Cl. 72-56.000.

Brennan, John F., to Universal Oil Products Company. Peripheral impregnation of catalyst support material. 3,799,887, 3-26-74, Cl. 252-463.000.

Brennan, John M., to Rohr Industries, Inc. Thrust reversing apparatus. 3,815,357, 6-11-74, Cl. 60-226.00a.

Brennan, Thomas J., to Stryker Corporation. Dental handpiece. 3,827,149, 8-6-74, Cl. 32-26.000.

Brennan, Thomas M.: *See—*
Mylari, Banavara L.; and Brennan, Thomas M., 3,852,289.

Brennan, William M.: *See—*
Nelson, Bud D.; and Brennan, William M., 3,826,449.
O'Neill, Edward T.; Brennan, William M.; and Kriechbaum, Gerhard K., 3,836,099.

Brennecke, Henry M., to Du Pont de Nemours, E. I., and Company. Purification of fentaerythritol trinitrate by crystallization. 3,806,578, 4-23-74, Cl. 260-467.000.

Brenneisen, Erich; Hoyer, Ernst; Kallay, Maria; Krell, Karl-Heinz; and Steckelberg, Willi, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of fast dyeings or prints on synthetic fibrous materials. 3,792972, 2-19-74, Cl. 8-41.00a.

Brenneisen, Erich; and Steckelberg, Willi, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of fast dyeings or prints on synthetic fibrous materials. 3,792,973, 2-19-74, Cl. 8-41.00a.

Brenneisen, Erich; Hoyer, Ernst; Kallay, Maria; Krell, Karl-Heinz; and Steckelberg, Willi, to Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning. Process for the preparation of fast dyeings or prints on synthetic fiber materials. 3,792,94, 2-19-74, Cl. 8-41.00c.

Brenneisen, Paul: *See—*
Bosshard, Rene; Gubler, Kurt; Aufderhaar, Ernst; and Brenneisen, Paul, 3,803,316.
Gallay, Jean-Jacques; Bosshard, Rene; and Brenneisen, Paul, 3,849,431.

Brenneisen, Paul; and Margot, Alfred, to Ciba-Geigy Corporation. Use of isothiocyanobenzoxaloes and isothiocyanobenzimidazoles as anthelmintics. 3,822,356, 7-2-74, Cl. 424-272.000.

Brenneisen, Paul; Gallay, Jean-Jacques; and Margot, Alfred, to Ciba-Geigy Corporation. Control of helminths with 4-isothiocyanodiphenylamines. 3,839,582, 10-1-74, Cl. 424-302.000.

Brenneisen, Paul; Wenger, Thomas; Gallay, Jean-Jacques; and Schmid, Wolfgang, to Ciba-Geigy Corporation. Certain 6-isothiocyanobenzothiazoles. 3,840,550, 10-8-74, Cl. 260-304.000.

Brenneke, Arthur M., to TRW Inc. Plastics filled piston ring. 3,811,692, 5-21-74, Cl. 277-231.000.

Brenneman, Homer K.: *See—*
Cable, Russell D.; and Brenneman, Homer K., 3,810,487.

Brenneman, J. Edward; and Waters, Robert S., to Schick Incorporated. Shaver with removable head. 3,811,188, 5-21-74, Cl. 30-34.00r.

Brenneman, Richard S.; Lovering, David W.; and Barr, Frederick E., to Addressograph-Multigraph Corporation. Pressure fixing of toners. 3,854,975, 12-17-74, Cl. 117-21.000.

Brenner, Abner. High polymers for forming an invisible soil-resistant coating on canvas. 3,839,066, 10-1-74, Cl. 117-6.000.

Brenner, Alfred E., to Summagraphics Corporation. Position determination device. 3,846,580, 11-5-74, Cl. 178-19.000.

Brenner, Charles H., to Motorola, Inc. Integral reflecting cavity semiconductor pumped laser. 3,821,663, 6-28-74, Cl. 331-94.50r.

Brenner, I. Edward. Tear resistant matrix confining band and retainer for use therewith. 3,852,885, 12-10-74, Cl. 32-63.000.

Brenner, L. Martin; and Loev, Bernard, to Smithkline Corporation. N-aminomethyl-2-amino(and 2-amino-methyl)-2-heterocyclic-thioacetamides. 3,853,865, 12-10-74, Cl. 260-246.00b.

Brenner, Lawrence A.; and Lopuski, Andrew, to Beloit Corporation. Paper roll [illegible]ding device. 3,795,082, 3-5-74, Cl. 53-131.000.

Brenner, Lawrence A.; and Scholl, Charles H., to Beloit Corporation. Automatic inside head holder structure. 3,828,523, 8-13-74, Cl. 53-380.000.

Brenner, Lawrence A., to Beloit Corporation. Method for applying glue to leading and trailing edges of a wrapper sheet. 3,832,213, 8-27-74, Cl. 117-44.000.

Brenner, Lawrence A.; and Scholl, Charles H. Slat conveyor. 3,842,970, 10-22-74, Cl. 198-195.000.

Brenner, Martin; and Loev, Bernard, to Smithkline Corporation. Pharmaceutical compositions and methods of inhibiting gastric acid secretion. 3,842,173, 10-15-74, Cl. 424-263.000.

Brenner, Max. Isolation and purification of 3,4-dihydroxy phenylalanine. 3,849,488, 11-19-74, Cl. 260-519.000.

Brenner, Mortimer Wilkes, to Schwarz Services International, Limited. Preparation of wort for making beer. 3,795,745, 3-5-74, Cl. 426-29.000.

Brenner, Natalie S. Suction system for skin treatment. 3,794,035, 2-26-74, Cl. 128-300.000.

Brenner, Robert R. Simulated flight indicator panel. 3,800,467, 4-2-74, Cl. 46-1.00b.

Brenner, Rolf, to Hoffmann-La Roche Inc. Process for oxidizing phenols to quinones. 3,796,732, 3-12-74, Cl. 260-396.00r.

Brenner, Siegfried: *See—*
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Brenner, Stanley S.: *See—*
Koplewicz, Joseph; and Brenner, Stanley S., 3,820,065.

Brenner, Stanley S., to Perfect Line Manufacturing Corporation. Means for protecting electrical receptacles. 3,845,234, 10-29-74, Cl. 174-67.000.

Brenner, Walter, to Brunswick Corporation. Nitric acid recovery system. 3,852,412, 12-3-74, Cl. 423-390.000.

Brenner, William; and Cooper, Herbert. Pollution control device. 3,823,970, 7-16-74, Cl. 294-19.00r.

Brennesholtz, Aaron House, to Du Pont de Nemours, E. I., and Company. Switch. 3,805,048, 4-16-74, Cl. 240-8.160.

Breno, Philip J.: *See—*
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Brenot, Claude; and Mollard, Gaston, to Thomson-CSF. Electrical coupling between elements in relative motion in respect of each other. 3,848,711, 11-19-74, Cl. 191-12.00r.

Brenski, Edwin F.; Draayer, Jan; Reynolds, Nigel J. E.; Rice, Verner K.; Schulte, Donald L.; Wedmore, William R.; Wilber, John A.; Buhrke, Rolfe E.; and Van Bosse, John G., to GTE Automatic Electric Laboratories Incorporated. Control complex for TSPS telepone system. 3,818,455, 6-18-74, Cl. 340-172.500.

Brent, Allan L.: *See—*
Bocian, Harvey; and Brent, Allan L., 3,819,322.

Brent, Jerome J.: *See—*
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Brentham, Jerry D. Exercising device. 3,822,599, 7-9-74, Cl. 73-379.000.

Brereton, Paul Arthur: *See—*
Wright, Donald Curtis; Hardcastle, Kenneth Noel; and Brereton, Paul Arthur, 3,840,360.

Brescia, Anthony J., to Rubbermaid Commercial Products Inc. Receptacle top adaptor construction. 3,799,391, 3-26-74, Cl. 220-55.00k.

Bresler, Aaron D.; Stein, Emanuel; and Erdmann, M. Otto, to International Telephone and Telegraph Corporation. Spherical double reflector antenna. 3,852,765, 12-3-74, Cl. 343-781.000.

Breslow, David S., to Hercules Incorporated. Divinyl ether-maleic anhydride copolymer. 3,794,622, 2-26-74, Cl. 260-78.5bb.

Breslow, David S., to Hercules Incorporated. Poly(aziridine)s. 3,828,024, 8-6-74, Cl. 260-239.00e.

Breslow, David S., to Hercules Incorporated. Nitrile imines. 3,832,399, 8-27-74, Cl. 260-566.00d.

Breslow, David S., to Hercules Incorporated. Process of bonding using epoxy-azido adhesives. 3,849,230, 11-19-74, Cl. 156-330.000.

Breslow, David W.; and Simpson, David A., to Hercules Incorporated. Photopolymer process forming graft polymers in exposed areas. 3,847,609, 11-12-74, Cl. 96-33.000.

Breslow, Donald H., to Itek Corporation. Servomotor driven encoder error evaluation system. 3,794,899, 2-26-74, Cl. 318-602.000.

Breslow, Jeffrey: *See—*
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Breslow, Jeffrey D.: *See—*
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Breslow, Jeffrey D.; and Kaelin, Bette Marie, to Marvin Glass & Associates. Animated musical figure toy. 3,786,596, 1-22-74, Cl. 46-98.000.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Launching platform, spring launching element and target area. 3,787,053, 1-22-74, Cl. 273-101.000.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Board game apparatus. 3,797,830, 3-19-74, Cl. 273-131.00a.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Game apparatus. 3,807,737, 4-30-74, Cl. 273-125.00r.

Breslow, Jeffrey D.; and Jaworski, Eugene, to Glass, Marvin, & Associates. Doll carrying a marking means and accessory with movable marking surface. 3,834,070, 9-10-74, Cl. 46-116.000.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Game device with illuminable playing positions. 3,834,711, 9-10-74, Cl. 273-141.00a.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Aerial-projectile game having movable rebounding surfaces. 3,837,648, 9-24-74, Cl. 273-95.00r.

Breslow, Jeffrey D., to Glass, Marvin, & Associates. Game device. 3,840,235, 10-8-74, Cl. 273-119.00a.

Breslow, Jeffrey D.; and Kramer, Norman, to Glass, Marvin, & Associates. Electrical game apparatus using a human body as part of the circuit. 3,851,875, 12-3-74, Cl. 273-1.00e.

Breslow, Jeffrey D.; and Dunn, Kathy A., to Glass, Marvin, & Associates. Three dimensional game apparatus. 3,856,308, 12-24-74, Cl. 273-135.00r.

Breslow, Jeffrey Dale: *See—*
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Breslow, Jeffrey Dale, to Glass, Marvin, & Associates. Disc game apparatus. 3,807,738, 4-30-74, Cl. 273-126.00r.

Bresnahan, Eileen E.; Lias, Nicholas C.; Kolb, Ernest D.; and Laudise, Robert A., said Bresnahan and said Lias assors. to Western Electric Company Incorporated and said Kolb and said Laudise assors. to Bell Telephone Laboratories Incorporated. High pressur hydrothermal growth of quartz with high 'Q' values. 3,832,146, 8-27-74, Cl. 23-301.00r.

Bresnick, Herbert L., to Xerox Corporation. Automatic bias control. 3,816,756, 6-11-74, Cl. 307-149.000.

Bresnick, Stuart D., to United Nuclear Corporation. Nuclear reactor fuel element. 3,804,710, 4-16-74, Cl. 176-79.000.

Bress, Dellason F.; and Petrarca, Carmen A., to Foster Wheeler Corporation. Pollution elimination for fertilizer process. 3,798,021, 3-19-74, Cl. 71-28.000.

Bressanelli, Jerome P.: *See—*
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Ornitz, Martin N.; Moskowitz, Arthur; and Bressanelli, Jerome P., 3,784,373.

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Bressel, Ulrich; Fuchs, Werner; and Platz, Rolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Oxidative dehydrogenation of methyl issbutyrate. 3,821,287, 6-28-74, Cl. 260-486.00d.

Bressel, Ulrich; Fuchs, Werner; and Platz, Rolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dehydrogenation of organic compounds. 3,846,472, 11-5-74, Cl. 260-465.900.

Bressler, Peter W., to Designs for Medicine, Inc. Modular therapy pool construction. 3,839,751, 10-8-74, Cl. 4-172.190.

Bresson, Clarence R.; and Cobb, Raymond L., to Phillips Petroleum Company. Novel multifunctional hydroxy compounds. 3,789,069, 1-29-74, Cl. 260-514.00j.

Bresson, Clarence R.; and Spaulding, Forrest D., to Phillips Petroleum Company. Modified asphalt hydraulic sealer. 3,856,732, 12-24-74, Cl. 260-28.5as.

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Bretche, Serge Norbert Emile. Multi-directional connecting element for panels. 3,848,388, 11-19-74, Cl. 52-753.00d.

Brethauer, Dale Merrill, to Du Pont de Nemours, E. I., and Company. Apparatus for towarding filamentary materials. 3,806,017, 4-23-74, Cl. 226-97.000.

Brethauer, Dale Merrill; and Pripeaux, Jean Paul, to Du Pont de Nemours E. I., and Company. Process for forming a web. 3,851,023, 11-26-74, Cl. 264-24.000.

Bretino, Oliver. Material handling roller. 3,782,530, 1-1-74, Cl. 198-127.00e.

Breton, Guy Georges Rene, to Velan Engineering Ltd. Thermodynamic steam trap. 3,807,429, 4-30-74, Cl. 137-183.000.

Breton, Roger J.; and Beck, David F., to Roto Manufacturing, Inc. Method for coring and pressing juice from fruits having a rind. 3,831,515, 8-27-74, Cl. 100-37.000.

Bretschneider, Hermann: *See—*
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Bretschneider, Hermann; Grassmayr, Klaus; Hohenlohe-Oehringen, Kraft; and Grussner, Andre. Substituted sulfonyl urea and its stereoisomers. 3,787,491, 1-22-74, Cl. 260-553.00d.

Bretschneider, Hermann; Grassmayr, Klaus; Hohenlohe-Oehringen, Kraft; and Grussner, Austria Andre, to Hoffmann-La Roche Inc. Substituted sulfonylureas. 3,796,719, 3-12-74, Cl. 260-293.560.

Bretschneider, Hermann; Klotzer, Wilhelm; and Franzmair, Rudolf, to Hoffmann-La Roche Inc. N-(3,3-diphenyl-3-cyanopropyl)-ureas. 3,812,170, 5-21-74, Cl. 260-465.00d.

Bretschneider, Hermann; Grassmayr, Klaus; Hohenlohe-Oehringen, Kraft; and Grussner, Andre, to Hoffmann-La Roche Inc. Processed and intermediates for sulfonylurea derivatives. 3,818,027, 6-18-74, Cl. 260-307.00d.

Bretschneider, Hermann; Hohenlohe-Ochringen, Kraft; Grussner, Andre; and Nedden, Klaus Zur, to Hoffmann-La Roche Inc. Substituted sulfonyl bornane-carboxamides and norbornane carboxamides. 3,821,230, 6-28-74, Cl. 260-293.560.

Bretschneider, Hermann; Fliri, Hans; and Klotzer, Wilhelm, to Hoffmann-La Roche Inc., mesne. N1- (1,2-dihydro-2-oxo-4-pyrimidinyl)-sulfanilamides. 3,850,912, 11-26-74, Cl. 260-239.750.

Bretschneider, Walter, to Continental Gummi-Werke Aktiengesellschaft. Inner sole for sandals. 3,785,068, 1-15-74, Cl. 36-11.500.

Brett, James E., to Purex Corporation, Ltd. High throughput filter having multiposition valve. 3,809,247, 5-7-74, Cl. 210-278.000.

Brett, James E., to Purex Corporation, Ltd. High throughput filter having multiposition valve. 3,834,537, 9-10-74, Cl. 210-136.000.

Brett, James E., to Purex Corporation, Ltd. Dispensing container apparatus. 3,846,078, 11-5-74, Cl. 23-267.00a.

Brett, John J.: *See—*
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Bretten, David Charles; and Chown, Peter Charles. Apparatus for marshalling elongated articles. 3,823,815, 7-16-74, Cl. 198-33.00r.

Bretti, Franco: *See—*
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Bretti, Franco; and Valle, Franco, to Olivetti, Ing., C., & C., S.p.A. Coded input and output apparatus for typewriters. 3,837,458, 9-24-74, Cl. 197-19.000.

Bretton, Cal, to Arthur, Allen, Co., Inc. Method and means for attaching a hair supplement. 3,811,453, 5-21-74, Cl. 132-53.000.

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Beck, Ronald A.; and Breu, Dennis L., 3,857,155.

Breu, Karl-Jan; Hoher, Herbert; and Schinke, Hans-Joachim, to Siemens Aktiengesellschaft. Arrangement for the operation of switching devices in telephone equipment. 3,855,438, 12-17-74, Cl. 200-153.00r.

Breuer, Charles Benedict, to American Cyanamid Company. Isolation of gamma globulin preparations enriched in IGA and IGM using polyethylene glycol. 3,808,189, 4-30-74, Cl. 260-112.00b.

Breuer, David R., to TRW Inc. Analog transmission gate. 3,783,307, 1-1-74, Cl. 307-243.000.

Breuer, Friedrich, to Gesellschaft fur Elektrometallurgie mbH. Production of ferro alloys by mixing in the exclusion of ain. 3,799,761, 3-26-74, Cl. 75-13.000.

Breuer, Hans; Gebhart, Josef; and Robock, Klaus, to Bergwerksverband GmbH. Measuring the dust concentration in air. 3,854,045, 12-10-74, Cl. 250-341.000.

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Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., to Squibb, E. R., & Sons, Inc. α-Cyanaminoacetyl penicillins. 3,796,702, 3-12-74, Cl. 260-239.100.

Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., to Squibb, E. R., & Sons, Inc. (α-Cyanamino) acetamidocephalosporins. 3,796,709, 3-12-74, Cl. 260-243.00c.

Breuer, Hermann, to Squibb, E. R., & Sons, Inc. 6-[(3,5,7-Triaza-l-azonia-l-adamanty])-acetamido]-penicillanic acid halides and sulfonates. 3,812,100, 5-21-74, Cl. 260-239.100.

Breuer, Hermann; and Treuner, Uwe D., to Squibb, E. R., & Sons, Inc. α-Amidinothioacetamidocephalosporanic acid compounds. 3,839,329, 10-1-74, Cl. 260-243.00c.

Breuer, Hermann; and Treuner, Uwe D., to Squibb, E. R., & Sons, Inc. 6-Styrylpyraz olo(3,4-D)pyrimidinones and pyrimidines. 3,847,908, 11-12-74, Cl. 260-240.00d.

Breuer, Hermann; and Treuner, Uwe, to Squibb, E. R., & Sons, Inc. Cyanomethylthioacetylcephalosporins. 3,855,212, 12-17-74, Cl. 260-243.00c.

Breuer, Hermann, to Squibb, E. R., & Sons, Inc. Cephalosporin esters. 3,856,785, 12-24-74, Cl. 260-243.00c.

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Breuer, Wolfgang; and Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Tap-changing transfer switch having series breaks and means for controlling the recovery voltage between breaks. 3,805,087, 4-16-74, Cl. 307-136.000.

Breuer, Wolfgang; and Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Tap changing transfer switch having series breaks. 3,806,735, 4-23-74, Cl. 307-136.000.

Breuer, Wolfgang, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap-changing regulating transformers. 3,813,503, 5-28-74, Cl. 200-11.0tc.

Breuer, Wolfram; Deprez, Jacques; and Strum, Burthold, to Bayer Aktiengesellschaft. Process of measuring the concentration of a dissociatable component in a gas and apparatus therefor. 3,857,760, 12-31-74, Cl. 204-1.00t.

Breunsbach, Maurice C., to Spirolet Corporation. Nozzle. 3,788,353, 1-29-74, Cl. 137-604.000.

Breunsbach, Maurice C., to Spirolet Corporation. Liquid injection adaptor. 3,788,557, 1-29-74, Cl. 239-401.000.

Breuw, Heinz; Mischke, Hans-Jurgen; and Lippeck, Franz; deceased (by Lippeck, Irmgard; Bohnenkamp, Gitta; and Lippeck, Marion; heirs), to Fried. Krupp, Gesellschaft mit beschrankter Haftung. Apparatus for monitoring and taking gas samples in shaft furnaces 3,832,904, 9-3-74, Cl. 73-421.50a.

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Brewbaker, James L.; Nowak, Robert M.; and Dennis, Kent S., to Dow Chemical Company, The. Stabilized low profile resins. 3,836,600, 9-17-74, Cl. 260-836.000.

Brewer, Andrew I., to Star-Kist Foods, Inc. Cat litter. 3,789,797, 2-5-74, Cl. 119-1.000.

Brewer, George E. F.; Swider, Robert A.; and Rentz, Warren A., to Ford Motor Company. Electrodiffused protective coating system. 3,795,601, 3-5-74, Cl. 204-181.000.

Brewer, George R.; and Law, Russell R., to Hughes Aircraft Company. Process for accurately marking precise rectangular areas. 3,791,270, 2-12-74, Cl. 95-1.000.

Brewer, Howell K., to United States of America, Air Force. Filament-wound, toroidal tire with pneumatic rim-locking tube. 3,791,433, 2-12-74, Cl. 152-339.000.

Brewer, Howell K.; and McCown, Oral S. Thermocouple assembly having a fatigue resistant lead wire configuration. 3,801,377, 4-2-74, Cl. 136-233.000.

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Brewer, Joe E., to Westinghouse Electric Corporation. Analog to digital converter. 3,815,124, 6-4-74, Cl. 340-347.0ad.

Brewer, John A. Piston engine. 3,788,286, 1-29-74, Cl. 123-43.00c.

Brewer, John C., to Garbalizer Corporation of America. Process and system for recovering carbon. 3,794,250, 2-26-74, Cl. 241-21.000.

Brewer, John C., to Garbalizer Corporation of America. Hydropulper and classifier equipment. 3,814,336, 6-4-74, Cl. 241-79.100.

Brewer, John C., to Garbalizer Corporation of America. Waste removal vehicle and structure associated therewith. 3,831,789, 8-27-74, Cl. 214-82.000.

Brewer, John C., to Garbalizer Corporation of America. Shredder mechanism and improvements therein. 3,840,187, 10-8-74, Cl. 241-32.000.

Brewer, John C., to Garbalizer Corporation of America. Combination shredder and air-classification equipment. 3,856,217, 12-24-74, Cl. 241-79.100.

Brewer, Lloyd E. Wall panel layout apparatus. 3,785,060, 1-15-74, Cl. 33-191.000.

Brewer, Ralph E.: *See—*
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Brewer, Robert W., to General Motors Corporation. All-metal check valve for air injection system. 3,788,071, 1-29-74, Cl. 60-293.000.

Brewer Sewing Supplies Company: *See—*
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Brewer's Unlimited, Inc.: *See—*
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Brewington, Harold G. Remotely controlled mirror and power amplified drive means therefor. 3,825,324, 7-23-74, Cl. 350-289.000.

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Brewster, Alan Ronald; Harvey, Samuel Eric; and Mortimer, Frank Radcliffe, to Dunlop Holdings Limited. Fluid pressure control valve. 3,792,908, 2-19-74, Cl. 303-21.00f.

Brewster, Franklin C., to Motorola, Inc. One piece plastic tuning shaft for a radio receiver or the like device. 3,832,908, 9-3-74, Cl. 74-10.330.

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Brey, Wilhelm; Hostetler, William; Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, to Firestone Tire & Rubber Company, The. Bead mechanism. 3,849,231, 11-19-74, Cl. 156-403.000.

Brey, Wilhelm, to Lodi Division of Intercole Automation, Inc. Radially expanding rotatable apparatus for supporting tires. 3,850,212, 11-26-74, Cl. 144-288.00a.

Brey, Wilhelm; Hostetler, William; Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, to Firestone Tire & Rubber Company, The. Drum indexing mechanism. 3,850,730, 11-26-74, Cl. 156-394.000.

Brey, Wilhelm; Hostetler, William, Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, to Firestone Tire & Rubber Company, The. Tire discharge mechanism. 3,850,731, 11-26-74, Cl. 156-414.000.

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Breyer, Karl-Heinz: *See—*
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Brezina, Jan. Automatic cigarette lighter. 3,789,187, 1-29-74, Cl. 219-261.000.
Brezinski, Richard R.; and Durkee, Lyle H., to General Motors Corporation. Method of manufacturing mounting pads for energy absorbing steering column installations. 3,795,038, 3-5-74, Cl. 29-417.000.
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Brezosky, Bernard J., to General Electric Company. Double, reversed mounting boss for plastic tub. 3,822,084, 7-2-4, Cl. 312-253.000.
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Briar, John R.; and Grabek, Frederick M., to General Motors Corporation. Electromagnetic spring-wound clutch. 3,831,723, 8-27-74, Cl. 192-35.000.
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Brichard, Claude, to Glaverbel S.A. Glass drawing method, apparatus, and glass article. 3,801,411, 4-2-74, Cl. 161-1.000.
Brichard, Claude, to Glaverbel S.A. Manufacture of flat glass. 3,801,412, 4-2-74, Cl. 161-1.000.
Brichard, Claude, to Glaverbel S.A. Glass drawing method and apparatus. 3,806,329, 4-23-74, Cl. 65-95.000.
Brichard, Edgar; Jaupain, Maurice; Plumat, Emile; and Deschepper, Pierre, to Glaverbel S.A. Apparatus for forming refractory masses. 3,800,983, 4-2-74, Cl. 222-52.000.
Brichard, Edgard, to Glaverbel S.A. Method of constructing a refractory wall in a float glass furnace. 3,800,014, 3-26-74, Cl. 264-30.000.
Brichard, Edgard; Plumat, Emile; Duchene, Eloy; and Leclercq, Robert, to Glaverbel S.A. Control of flow of glass to a glass ribbon being drawn. 3,806,396, 4-23-74, Cl. 161-1.000.
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Brickner, Kenneth G.; and Stanley, Edward B., to United States Steel Corporation. Ductile, weldable high-strength-steel wire and method for producing same. 3,834,948, 9-10-74, Cl. 148-2.000.
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Bridge, Frank; and Singh, Tej Kuldip. Footwear. 3,852,897, 12-10-74, Cl. 36-44.000.
Bridge, John. Container handling and transporting system. 3,805,976, 4-23-74, Cl. 214-38.0cc.
Bridge, John. Collapsible container carrier system. 3,840,135, 10-8-74, Cl. 214-621.000.
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Bridges, Robert M.; and Jason, John J., to Bendix Corporation, The. Center strength member cable. 3,843,829, 10-22-74, Cl. 174-36.000.
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Bridges, William A.; and Harris, Charles L. Pest exterminating apparatus. 3,782,026, 1-1-74, Cl. 43-124.000.
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Bright, Stephen A.; and Kress, Robert E. Adjustable device for improved clamping means. 3,830,484, 8-20-74, Cl. 269-10.000.
Bright, William L. Electrical power substation. 3,787,711, 1-22-74, Cl. 317-103.000.
Bright, William L. Safety lock for enclosures. 3,791,683, 2-12-74, Cl. 292-32.000.
Bright, William Townsend. Laminating apparatus. 3,798,107, 3-19-74, Cl. 156-500.000.
Brightly, Charles F. Snowmobile stand. 3,830,455, 8-20-74, Cl. 248-352.000.
Brightman, Barrie, to Stromberg-Carlson Corporation. Solid state camera tube embodying a fixed iris. 3,816,654, 6-11-74, Cl. 178-7.200.
Brighton, Carl T.; Friedenberg, Zachary B.; and Redka, William, to United States of America, Navy. Constant current power pack for bone healing and method of use. 3,842,841, 10-22-74, Cl. 128-419.00r.
Brigida, Carlo J.; Wexler, Meyer; and Woodford, Philip S., to Foster Wheeler Corporation. Feedwater heater. 3,795,273, 3-5-74, Cl. 165-112.000.
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Brigmanis, Edmund; and Maranci, Arutun. Wet-spinning process for tough, ribbon-shaped, acrylonitrile polymer fibers. 3,801,691, 4-2-74, Cl. 264-177.00f.
Brignard, Francois C.; and Lefranc, Jean E. Vegetable cutting and slicing machine. 3,783,727, 1-8-74, Cl. 83-592.000.
Brignard, Francois C.; and Lefranc, Jean E.; deceased (by Darmigny, Suzanne M.; widow and heir). Rotary apparatus for dutting vegetables. 3,799,023, 3-26-74, Cl. 83-663.000.
Brilando, Frank P.; and Jameson, Stanley R., to Schwinn Bicycle Company. Safety mounting for quick-release hubs. 3,807,761, 4-30-74, Cl. 280-279.000.
Briles, Franklin S. Method of connecting a rivet to work structure. 3,815,220, 6-11-74, Cl. 29-509.000.
Briles, Franklin S. Corrosion blocking fastener. 3,849,964, 11-26-74, Cl. 52-758.00f.
Briley, Bruce Edwin, to Bell Telephone Laboratories, Incorporated. High-speed transistor digital gating. 3,790,823, 2-5-74, Cl. 307-255.000.
Briley, Joseph C.: *See—*
Moksu, Alan W.; and Briley, Joseph C., 3,833,836.
Briley, Thomas S. Manually rotated antennae utilizing a flexible cable and a pin locking mechanism. 3,821,744, 6-28-74, Cl. 343-763.000.
Brill, Klaus; and Grothe, Wolfgang, to Bosch, Robert, G.m.b.H. Electrographic tape recording medium. 3,831,179, 8-20-74, Cl. 346-76.00r.
Brill, Murray I. Soil testing apparatus and method. 3,820,384, 6-28-74, Cl. 73-84.000.
Brill, Yvonne Claeys, to RCA Corporation. Dual thrust level monopropellant spacecraft propulsion system. 3,807,657, 4-30-74, Cl. 244-1.0sb.
Brill-Edward, Harry W., to Chromalloy American Corporation. Multi-metal corrosion-resistant diffusion coatings. 3,808,031, 4-30-74, Cl. 117-71.00m.
Brill-Edwards, Harry W., to Chromalloy American Corporation. Method for coating heat resistant alloys. 3,801,353, 4-2-74, Cl. 117-71.00m.
Brille, Maurice G., to Societe Anonyme de Vehicules Industriels et d'Equipements Mecaniques Saviem. Cold starting devices for diesel engines with compensated supercharging. 3,795,231, 3-5-74, Cl. 123-119.0cb.
Brille, Maurice G.; and Baguelin, Yves E., to Societe Anonyme de Vehicules Industriels et d'Equipements Mecaniques Saviem. Cooling systems of supercharged diesel engines. 3,797,562, 3-19-74, Cl. 165-39.000.
Brillolii, Jacques, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Cryogenic gas traps. 3,788,096, 1-29-74, Cl. 62-55.500.
Brimco Manufacturing Company: *See—*
Hill, George B.; and Lund, Bryant D., 3,818,267.
Brimhall, Ray S., to Walker Bank and Trust Company, administrator with will annexed of the estate of said Brimhall, (deceased). Hydraulic system and mechanical latch therefor. 3,797,882, 3-19-74, Cl. 296-28.00c.
Brinckman, Eric Maria; Heugebaert, Frans Clement; and Ceulemans, Renaat Andreas, to Agfa-Gevaert N.V. Photographic silver halide recording material. 3,801,330, 4-2-74, Cl. 96-66.00t.
Brincks, Richard Joseph: *See—*
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Brindell, Gordon D.; and Macander, Rudy F., to Quaker Oats Company, The. Polyolefin stabilized with 3,5-disubstituted-4-hydroxybenzyl alcohol or amine. 3,790,526, 2-5-74, Cl. 260-45.85s.
Brindell, Gordon D.; and Wuskell, Joseph P., to Quaker Oats Company, The. Organic material stabilized with alpha, alpha, alpha, alpha-tetrakis(4-hydroxy-3,5-disubstituted phenyl) xylene and process thereof. 3,796,685, 3-12-74, Cl. 260-45.85s.
Brindell, Gordon D.; and Macander, Rudolph F., to Quaker Oats Company, The. Polymonoolefins stabilized with polyphenylene ethers. 3,803,268, 4-9-74, Cl. 260-897.00r.
Brindell, Gordon D.; and Macander, Rudy (Rudolph) F., to Quaker Oats Company, The. Novel 4,4'-methylenebis (2,6-diaralkylphenols). 3,816,544, 6-11-74, Cl. 260-619.00a.
Brindell, Gordon D.; and Macander, Rudolph F., to Quaker Oats Company, The. Polyolefins stabilized with 4,4-methylene bis(2,6-disubstituted phenol) and process thereof. 3,823,115, 7-9-74, Cl. 260-45.95r.
Brindell, Gordon D.; and Macander, Rudolph F., to Quaker Oats Company, The. Rubbers stabilized with polyphenylene ethers and process thereof. 3,843,599, 10-22-74, Cl. 260-45.85c.
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Brindist, Frederick J. Pressure relief valve unit. 3,844,310, 10-29-74, Cl. 137-557.000.
Brindle, Dale L., to Hennessy Products, Incorporated. Securing device for movable members. 3,830,537, 8-20-74, Cl. 292-259.000.
Brindley, Richard B.; and Schroeder, Kenneth J., to La Crosse Cooler Company. Ice cube storage hopper and dispenser. 3,830,408, 8-20-74, Cl. 222-168.000.
Brindley, Robert E., to Union Carbide Corporation. Push button switching module for flashlights. 3,798,440, 3-19-74, Cl. 240-10.660.
Brindley, Robert E., to Union Carbide Corporation. Display tray with merchandise-mounted card packages. 3,856,137, 12-24-74, Cl. 206-73.000.
Brinegar, Willard C., to Celanese Corporation. Production of semipermeable polybenzimidazole membranes. 3,841,492, 10-15-74, Cl. 210-500.000.
Briney, Gary Clark; Lester, John; and Jones, William, to Du Pont de Nemours, E. I., and Company. Process for stripping polymer masks from circuit boards. 3,796,602, 3-12-74, Cl. 134-38.000.
Bringewald, August R., to Bringewald Process Corporation. Apparatus and method for applying pressure and die and method for forming a part. 3,847,004, 11-12-74, Cl. 72-184.000.
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Bringol, Charles Ronald, to International Business Machines Corporation. Gas panel matrix driver. 3,824,580, 7-16-74, Cl. 340-324.00m.
Bringol, Charles Ronald, to International Business Machines Corporation. Constant tangential velocity motor control for a disc recording system. 3,826,965, 7-30-74, Cl. 318-39.000.
Brinil S.A.: *See—*
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Brining, Douglas E.: *See—*
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Brink, Edwin H.; and Palmer, Warren G., to FMC Corporation. Foam flotation concentration of sewage. 3,787,316, 1-22-74, Cl. 210-6.000.
Brink, Edwin H.; and Houston, Robert K., to FMC Corporation. Capsule assembly method and machine. 3,797,195, 3-19-74, Cl. 53-37.000.
Brink, Miless L. Electrophoretic apparatus. 3,856,656, 12-24-74, Cl. 204-299.000.
Brink, Robert H., Jr.: *See—*

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Shema, Bernard F.; Brink, Robert H., Jr.; and Swered, Paul, 3,829,575.
Shema, Bernard F.; Brink, Robert H., Jr.; and Swered, Paul, 3,829,586.
Shema, Bernard F.; Brink, Robert H., Jr.; and Swered, Paul, 3,839,008.
Shema, Bernard F.; Brink, Robert H., Jr., and Swered, Paul, 3,839,583.
Brink, Robert H., Jr.; Shema, Bernard F.; and Swered, Paul, to Betz Laboratories, Inc. Biocidal compositions containing copper compounds. 3,821,369, 6-28-74, Cl. 424-141.000.
Brink, Robert H., Jr.; Shema, Bernard F.; Justice, Roger L.; and Swered, Paul, to Betz Laboratories, Inc. Slime control compositions containing phenolic compounds and their use. 3,829,305, 8-13-74, Cl. 71-67.000.
Brink, Robert H., Jr.; Shema, Bernard F.; and Swered, Paul, to Betz Laboratories, Inc. Slime control composition containing quaternary ammonium chloride and its use. 3,845,216, 10-29-74, Cl. 424-329.000.
Brink, Robert H., Jr.; Shema, Bernard F.; and Swered, Paul, to Betz Laboratories, Inc. Slime control composition containing bromonitrostyrene and its use. 3,856,961, 12-24-74, Cl. 424-263.000.
Brink, Robert V., to Chicago Rawhide Manufacturing Company. Radial shaft seal with positive garter spring retention. 3,827,703, 8-6-74, Cl. 277-153.000.
Brinker, John H., to American Standard Inc. Steel sidelight frame. 3,811,238, 5-21-74, Cl. 52-204.000.
Brinkerhoff, Donald E., to General Motors Corporation. Automotive vehicle sound distribution system. 3,784,748, 1-8-74, Cl. 179-1.0ve.
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Brinkmann, Bernd, to Schering AG and Schering Aktiengesellschaft. 3,836,565, 9-17-74, Cl. 260-464.000.
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Brinkmann, Horst, Dietrich, Johann; Beckmann, Gunter; and Von Guionneau, Jurgen, to Chemische Werke Huls Aktiengesellschaft. Continuous bulk polymerization of vinyl chloride. 3,793,259, 2-19-74, Cl. 260-78.50r.
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Brinkmann, Jurgen; Rasche, Manfred; and Heissmann, Willi, to Varta Aktiengesellschaft. Storage battery electrode. 3,791,869, 2-12-74, Cl. 136-81.000.
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Brinton, Bernard E.; and Schorn, Ludwig; deceased (by Schorn, Hedwig; administratrix), to Robertson Bauelemente G.m.b.H. Acoustical ventilator. 3,855,910, 12-24-74, Cl. 98-42.000.
Brinza, Joseph E.: *See—*
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Brinzei, Adrian; and Mezincescu, Mihai, to Institutul de Cercetare Si Proiectare Technologica Pentru Prelucrarea Titeiului. Tray with self-guiding target valves for gas-liquid and vapor-liquid contacting. 3,804,387, 4-16-74, Cl. 261-79.00a.
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Brion, Alison C. Barbecue meat holder. 3,797,379, 3-19-74, Cl. 99-421.00h.
Brisard, Gerard, 1/2 to Etablissements Muller & Cie. Vehicle suspension checking apparatus. 3,815,404, 6-11-74, Cl. 73-11.000.
Briscoe, David. Speedometer attachment which permits a direct reading in kilometers per hour from a miles per hour scale and conversely. 3,855,958, 12-24-74, Cl. 116-116.000
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Briscoe, William G., to United States of America, Army. Sequential automatic gain control circuit. 3,835,400, 9-10-74, Cl. 328-168.000.
Brishka, Alexander R., to Sealectro Corporation. Mechanical coupling. 3,782,840, 1-1-74, Cl. 403-361.000.
Brishka, Alexander Ronald, to International Telephone and Telegraph Corporation. Axially mating positive locking connector. 3,793,610, 2-19-74, Cl. 339-74.00r.
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Briskin, Theodore S.; Schnautz, Norman G.; and Sabherwal, Inderjit, to Sutton Research Corporation. Smokable substitute material 3,834,398, 9-10-74, Cl. 131-2.000.
Briskman, Robert David, to Communications Satellite Corporation Television radio frequency switch. 3,825,837, 7-23-74, Cl. 325-456.000.
Brisman, Sven Brynolf, to AB Nynas-Petroleum. Method of producing a unit package containing bituminous material. 3,851,438, 12-3-74, Cl. 53-23.000.
Brisse, Andre H.; and Griffiths, David K., to United States Steel Corporation. O-BOP vessel construction. 3,802,685, 4-9-74, Cl. 266-41.000.
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Brister, Beryle D. Installation, hydrostatic testing, repair, and modification of large diameter fluid transmission lines. 3,827,282, 8-6-74, Cl. 73-40.50r.
Bristol, Edgar H., II, to Foxboro Company, The. Pattern evaluation method and apparatus for adaptive control. 3,798,426, 3-19-74, Cl. 235-151.100.
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Bristol, Thomas W., to Hughes Aircraft Corporation Surface-wave electro-acoustic transducer. 3,792,381, 2-12-74, Cl. 333-72.000
Bristol, Thomas W., to Hughes Aircraft Company. Acoustic pulse compression weighting filter transducer. 3,801,937, 4-2-74, Cl. 333-72.000.
Bristol, Thomas W.; and Judd, Gordon W., to Hughes Aircraft Company. Acoustic surface wave device with improved transducer. 3,803,520, 4-9-74, Cl. 333-30.00r
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Britt, Le Roy A. Tractor canopy sprinkler system. 3,785,439, 1-15-74, Cl. 169-2.00a.

Britt, Pope Patterson, to General Electric Company. Antenna element including means for providing zero-error ° phase shift. 3,803,621, 4-9-74, Cl. 343-821.000.

Britt, Pope Patterson, to General Electric Company. Antenna-polarization means. 3,805,268, 4-16-74, Cl. 343-756.000.

Brittain, William J.; and Lindre, Jaan, to Ford Motor Company. Electro-chemical odometer. 3,801,916, 4-2-74, Cl. 324-182.000.

Brittain, William J.; Dobedoe, Thomas J. L.; Mitchell, Raymond; and Oliver, Wilfred T., to Ford Motor Company. Electronic fuel metering apparatus for internal combustion engine. 3,831,563, 8-27-74, Cl. 123-32.0ea.

Britten, George C. Press construction. 3,833,333, 9-3-74, Cl. 425-406.000.

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Britton, James E.; Welch, John A.; and Hein, Richard D., to General Tire & Rubber Company, The. Elastomeric vibration isolation pad. 3,814,412, 6-4-74, Cl. 267-152.000.

Britton, James E.; and Welch, John A., to General Tire & Rubber Company, The. Bendable elastomeric expansion joint. 3,829,229, 8-13-74, Cl. 404-69.000.

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Broad, David Rex; Hatton, Leslie Roy; and Parnell, Edgar William, to May & Baker Limited. Thiophene derivatives. 3,828,001, 8-6-74, Cl. 260-332.20c.

Broad, Frank Alfred, to Angus, George & Company, Limited. Shaft seals. 3,834,717, 9-10-74, Cl. 277-134.000.

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Broadfoot, John T. Unit for feeding difficult to feed materials. 3,840,186, 10-8-74, Cl. 241-15.000.

Broadhead, John; and Butherus, Alexander Duane, to Bell Telephone Laboratories, Incorporated. Rechargeable nonaqueous battery. 3,791,867, 2-12-74, Cl. 136-6.00r.

Broadhead, John, to Bell Telephone Laboratories, Incorporated. Battery structure incorporating chlorine scavenger. 3,798,069, 3-19-74, Cl. 136-26.000.

Broadhead, John Arthur, to English Electric Valve Company Limited. Microwave gas discharge switching tubes. 3,801,859, 4-2-74, Cl. 315-39.000.

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Broadt, David R.; and Armstrong, Donald E., to GTE Sylvania Incorporated. Selective actuating mechanism for percussive photoflash lamp array. 3,783,260, 1-1-74, Cl. 240-1.300.

Broadt, David R., to GTE Sylvania Incorporated. Selective actuating mechanism for percussive photoflash lamp array. 3,795,477, 3-5-74, Cl. 431-93.000.

Broadt, David R., to GTE Sylvania Incorporated. Selective actuating mechanism for percussive photoflash lamp array. 3,812,339, 5-21-74, Cl. 240-1.300.

Broadway, Alexander Richard William; Fong, William; and Rawcliffe, Gordon Hindle, to National Research Development Corporation. Three-phase, pole-changing motor. 3,794,870, 2-26-74, Cl. 310-180.000.

Broadway, Alexander Richard William; Fong, William; and Rawcliffe, Gordon Hindle, to National Research Development Corporation. Electric Motors. 3,826,960, 7-30-74, Cl. 318-323.000.

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Brock, Alan J., to Repco Research Pty., Ltd. Electrostatic copier. 3,790,375, 2-5-74, Cl. 96-1.00r.

Brock, Alan James, to Repco Research Pty. Ltd. Electrostatic copier. 3,814,517, 6-4-74, Cl. 355-3.00r.

Brock, Alan James; and Fulton, Douglas William. Drip irrigation. 3,819,118, 6-25-74, Cl. 239-276.000.

Brock, Alan James; and Fulton, Douglas William, to S.A. Rubber Mills Pty. Ltd. Drip irrigation method. 3,849,639, 11-19-74, Cl. 239-1.000.

Brock, Andrew J.; and Pryor, Michael J., to Olin Corporation. Aluminum alloy. 3,787,249, 1-22-74, Cl. 148-11.50a.

Brock, Bruce A., to Honeywell Inc. Method of making a fluidic device. 3,798,727, 3-26-74, Cl. 29-157.00r.

Brock, Eugene W.; and Schelling, Dale E., to General Motors Corporation. Vehicle exterior lighting system control circuit. 3,840,777, 10-8-74, Cl. 315-82.000.

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Brock, George W.; McCormick, Wayne; and Smith, Sidney H., to International Business Machines Corporation. Process for manufacture of a magnetic transducer using a pre-existing unitary foil. 3,813,766, 6-4-74, Cl. 29-603.000.

Brock, George W.; Cannon, Maxwell R.; and Shelledy, Frank B., to International Business Machines Corporation. Bias means for batch fabricated magnetic head and method of manufacture thereof. 3,829,896, 8-13-74, Cl. 360-125.000.

Brock, Gordon L. Plastic sheet cleaning machine. 3,792,503, 2-19-74, Cl. 15-4.000.

Brock, Gordon L. Meter with electrically selectable scales. 3,829,775, 8-13-74, Cl. 324-115.000.

Brock, James Donald, to CMI Corporation. Mass flow asphalt storage and dispensing system and method. 3,802,582, 4-9-74, Cl. 214-17.00c.

Brock, James Donald, to Texile Systems, Inc. Side fired carpet drying method and apparatus. 3,806,310, 4-23-74, Cl. 432-59.000.

Brock, James Donald, to CMI Corporation. Asphalt preparation plant. 3,809,373, 5-7-74, Cl. 259-154.000.

Brock, James Donald, to Astec Industries, Inc. Apparatus for providing a non-reacting atmosphere with a storage bin. 3,820,687, 6-28-74, Cl. 222-53.000.

Brock, James Donald; and Mize, Erbie Gail, to Astec Industries, Inc. Storage bin with flow control sealing apparatus. 3,834,595, 9-10-74, Cl. 222-504.000.

Brock, James McFarlane; Gillan, Anthony David; Marden, Adrian; and Pancewicz, Arthur Christopher, to Imperial Chemical Industries Limited. Suspended ceiling. 3,844,080, 10-29-74, Cl. 52-222.000.

Brock, Larry D.; Games, John E.; and Saunders, John, to United Aircraft Corporation. Course/fine synchro altimeter converter. 3,789,391, 1-29-74, Cl. 340-347.00e.

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Brock, Robert J., to Kimberly-Clark Corporation. Self-sized patterned bonded continuous filament web. 3,855,045, 12-17-74, Cl. 161-146.000.

Brock, Robert James; Hansen, Paul Bernard; and Wilson, John C., to Kimberly-Clark Corporation. Nonwoven laminate containing bonded continuous filament. 3,788,936, 1-29-74, Cl. 161-148.000.

Brock, Thomas W.: *See*—
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Brock, Winford G.; and Hodges, James C., Jr., to United States of America, Army. Selectable-impulse solid propellant rocket motor. 3,857,239, 12-31-74, Cl. 60-204.000.

Brock-White Co.: *See*—
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Brocker, Dale C. Transducer including oscillator controlled by inductance with motion-sensitive core. 3,818,369, 6-18-74, Cl. 331-65.000.

Brocker, John Race, to Motorola, Inc. Tone detector with constant detection response time. 3,792,290, 2-12-74, Cl. 307-233.000.

Brockhouse Engineering Limited: *See*—
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Brockhurst, Woodrow W., to Luxaire, Inc. Gas burner mounting arrangement. 3,814,576, 6-4-74, Cl. 431-354.000.

Brockly, Albert T., to Koppers Company, Inc. Silica welding apparatus. 3,782,631, 1-1-74, Cl. 239-85.000.

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Brockmeyer, Bernard M.; Goedeke, Edward R.; Schweig, Malvern A.; and Tracy, William R., to Security Fire Door Company. Dumbwaiter loading and unloading apparatus. 3,782,563, 1-1-74, Cl. 214-16.40r.

Brockmiller, Charles Anthony; Lund, Robert E.; and Fitzsimmons, John Edward, to St. Joe Minerals Corporation. Method of removing mercury from industrial gases. 3,855,387, 12-17-74, Cl. 423-210.000.

Brockmuller, Brigitte: *See*—
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Brockmuller, Friedrich Franz, to Windmoller & Holscher. Conveyor means for paper or plastics tube sections in the manufacture of bags. 3,823,811, 7-16-74, Cl. 198-29.000.

Brockway, Charles E.; and Smith, David R., to Staley, A. E., Manufacturing Company. Non-corrosive polyvinylidene chloride latex. 3,796,680, 3-12-74, Cl. 260-29.6mq.

Brockway Glass Company, Inc.: *See*—
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Brockway, Warren H.; and Craven, Eugene J., to Bonnell, William L., Company, The. Method of manufacturing a thermal break construction element. 3,815,216, 6-11-74, Cl. 29-460.000.

Brod, Gerd; Felber, Wilfried; Leistner, Horst; and Morlock, Gerhard, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Powdered stoving lacquer. 3,853,822, 12-10-74, Cl. 260-77.5cr.

Brodasky, Thomas F.; and Reusser, Fritz, to Upjohn Company, The. Antibiotic steffimycin B and process for the preparation thereof. 3,794,721, 2-26-74, Cl. 424-120.000.

Brodbeck, Helmut, to Efka-Werke Fritz Kiehn GmbH. Apparatus for packaging tubular articles. 3,790,025, 2-5-74, Cl. 221-200.000.

Brodbeck, Helmut; and Haller, Hans, to Efka-Werke Fritz Kiehn G.m.b.H. Method and apparatus for producing cigarette filter sleeves. 3,828,658, 8-13-74, Cl. 93-1.00c.

Brodbeck, Helmut, to Efka-Werke Fritz Kiehn GmbH. Apparatus for sorting rod-like articles. 3,834,583, 9-10-74, Cl. 221-251.000.

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Brode, George L.; and Kawakami, James H., to Union Carbide Corporation. Polyamide-imides. 3,817,921, 6-18-74, Cl. 260-49.000.

Brode, George L., to Union Carbide Corporation. Bisthioethers. 3,824,293, 7-16-74, Cl. 260-607.00a.

Broden, Kenneth John. Tissue roll dispenser. 3,791,601, 2-12-74, Cl. 242-55.530.

Broderick & Bascom Rope Company: *See*—
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Broderick, Anthony J.: *See*—
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Broderick, Frank W., to Johnson & Johnson. Method of manufacturing fully furnace hardened mated steel embossing rolls. 3,803,684, 4-16-74, Cl. 29-148.40d.

Broderick, Frank W., to Johnson & Johnson. Method and apparatus for embossing tubular items having an open end. 3,815,493, 6-11-74, Cl. 101-6.000.

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Brodeur, Rene H.; Terlecky, Boris; and Greenfield, Lawrence P. Railway car truck. 3,844,226, 10-29-74, Cl. 105-222.000.

Brodhead, Albert S., to Thetford Corporation. Method and apparatus for forming hollow plastic articles. 3,783,078, 1-1-74, Cl. 156-499.000.

Brodie, Donald E.; Camorota, Mathew; and Jankowski, Charles R. Adjustable temperature indicators. 3,782,194, 1-1-74, Cl. 73-343.00r.

Broding, Robert A.; and Freeman, Francis R., to Amoco Production Company. Cableless seismic digital recording system. 3,806,864, 4-23-74, Cl. 340-15.5ts.

Brodlin, Wilhelm, to Weishaut, Max, GmbH, Firma. Burner for liquid fuels. 3,799,732, 3-26-74, Cl. 431-347.000.

Brodnyan, John G., to Rohm and Haas Company. Flameproof covering material, such as ticking. 3,854,983, 12-17-74, Cl. 117-68.000.

Brodof, Terry A., to Dow Chemical Company, The. Aqueous suspension polymerization in the presence of C_3-C_4 hydroxyalkyl carboxymethyl cellulose ethers as dispersing agents. 3,801,519, 4-2-74, Cl. 260-17.00r.

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Bronovets, Marat Alexandrovich; Dobychin, Mikhail Nikolaevich; Kragelsky, Igor Viktorovich; and Mikhin, Nikolai Matveevich. Method of determining the frictional and mechanical properties of materials and a device for the realization thereof. 3,852,993, 12-0-74, Cl. 73-12.000.

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van Diepenbroek, Alfred Erich Wibrandt, 3,804,383.

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Brookfield, Myron B.: *See—*
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Brookins, Richard H.; and Miller, John Paul, to Brown International Corporation. Filter screen mounting. 3,836,464, 9-17-74, Cl. 210-413.000.

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Brooks, Alden W.: *See—*
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Brooks, Arthur Alan, to Delamere & Williams Company Limited. Method and apparatus for loading tea bags into carton. 3,815,316, 6-11-74, Cl. 53-24.000.

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Brooks, Charles T., to Bigelow-Sanford, Inc. Splicing heat deformable yarns. 3,793,117, 2-19-74, Cl. 156-433.000.

Brooks, Conrad Stone: *See—*
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Brooks, Daryl G. Self-tapping replacement stud with chip collection and storage chamber. 3,824,888, 7-23-74, Cl. 85-47.000.

Brooks, Daryl G., to Porta-Tool, Incorporated. Centering tool. 3,836,277, 9-17-74, Cl. 408-75.000.

Brooks, David N.: *See—*
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Brooks, Dean P.: *See—*
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Brooks, Dell Royce, to Telephone Industries, Inc. Connector terminal dial repulser. 3,798,379, 30-19-74, Cl. 179-16.00e.

Brooks, Donald Herbert. Metal powder coating apparatus. 3,857,362, 12-31-74, Cl. 118-59.000.

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Brooks, Edward A.: *See—*
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Brooks, Frank M., Jr., to Brooks Products, Inc. Meter box. 3,843,013, 10-22-74, Cl. 220-55.00k.

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Brooks, Frank W., to General Motors Corporation. Disc brake parking brake. 3,827,534, 8-6-74, Cl. 188-68.000.

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Brooks, Herbert B. Process control simulator. 3,786,242, 1-15-74, Cl. 235-184.000.

Brooks, Herman H.: *See—*
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Brooks, Herman H., to Sundstrand Data Control Inc. Demodulator for angularly related signals. 3,828,331, 8-6-74, Cl. 340-179.000.

Brooks, Houston George, Jr., to American Cyanamid Company. Cobalt dicycl ohexyldithiophosphinate stabilization of polyolefins. 3,801,539, 4-2-74, Cl. 260-45.75r.

Brooks, Irving M.: *See—*
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Brooks, James N.: *See—*
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Brooks, John Hawley, to MuCulloch Corporation. Multi-stage control for torque converters in engine driven vehicles. 3,824,867, 7-23-74, Cl. 74-230.17e.

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Brooks, Juanita L., to Sears, Roebuck and Co., mesne. Panty girdle with stretchable leg support. 3,835,866, 9-17-74, Cl. 128-547.000.

Brooks, Jul W.; Waters, Delman C.; and Ciener, Paul J. Inventory control apparatus. 3,789,530, 2-5-74, Cl. 46-124.000.

Brooks, Kenneth Alonzo; Duncan, Darrell Oliver, Pennell, George Harry; and Wolfheimer, Albert Daniel, to International Business Machines Corporation. Inspection terminal. 3,807,300, 4-30-74, Cl. 101-93.00c.

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Brooks, Norman B., to Pass-Port Systems Corporation. Low leakage vacuum valve and chamber using same. 3,833,018, 9-3-74, Cl. 137-625.470.

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Brooks, Ralph J., to Klein, Andrew R.; a member of the firm of Synnestvedt & Lechner. Impact bumper absorbing assembly. 3,851,911, 12-3-74, Cl. 293-84.000.

Brooks, Reginald Gwyn. Method and apparatus for manufacturing precision articles from molten articles. 3,826,301, 7-30-74, Cl. 164-46.000.

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Brooks, Robert A.; and Bebick, Paul J., to Magnetic Analysis Corporation. Pulse eddy current testing apparatus using pulses having a 25% duty cycle with gating at pulse edges. 3,798,539, 3-19-74, Cl. 324-40.000.

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Brooks, Robert E., to TRW Inc. Opitcal signal recording method. 3,852,767, 12-3-74, Cl. 346-1.000.

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Brooks, Thomas J., Jr., to Bristol-Myers Company. Bis-dicyclohexylomine N-carbiso-butoxy-cephalosporin C. 3,830,809, 8-20-74, Cl. 260-243.00c.

Brooks, Thomas W., to Aberdeen Bag Company. Method and apparatus for making packages of interconnected plastic bags and the like. 3,791,267, 2-12-74, Cl. 93-35.00r.

Brooks, William R. Mixing and dispensing gun having a replaceable nozzle. 3,784,110, 1-8-74, Cl. 239-304.000.

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Broome, Joseph W. Twin tube car drive. 3,854,413, 12-17-74, Cl. 104-166.000.

Broomer, Cyril J. Game apparatus with switching matrix between switches and load devices. 3,795,398, 3-5-74, Cl. 273-138.00a.

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Brorein, William J.; and Humen, Nicholas, to General Cable Corporation. Electrical connector for telephone cords. 3,789,344, 1-29-74, Cl. 339-59.00m.

Brorsson, Bjorn: *See*—
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Brose, Peter, to Sick, Erwin, Firma. Needle monitoring device for circular knitting machines. 3,788,105, 1-29-74, Cl. 66-157.000.

Brosene, William G., Jr., to Magnum Automotive Equipment, Inc. Lower bead breaker mechanism. 3,827,475, 8-6-74, Cl. 157-1.280.

Brosene, William G., Jr., to Magnum Automotive Equipment, Inc. Centerpost drive mechanism. 3,847,198, 11-12-74, Cl. 157-1.240.

Brosene, William G., Jr., to Magnum Automotive Equipment, Inc. Wheel rim protector. 3,851,694, 12-3-74, Cl. 157-1.000.

Brosenius, Karl Hilding. Heating system for one-family houses. 3,838,813, 10-1-74, Cl. 237-13.000.

Brosens, Pierre J.: *See*—
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Brosier, Richard H. Apparatus for improving bowling skill. 3,854,718, 12-17-74, Cl. 273-41.000.

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Bross, Charles Frederick, to Pennwalt Corporation. Vial capping apparatus. 3,852,941, 12-10-74, Cl. 53-317.000.

Brosseau, Alfred J., to Custom Materials, Inc. Electrically conductive wrist strap. 3,857,397, 12-31-74, Cl. 128-384.000.

Brossi, Arnold; Focella, Antonino; and Teitel, Sidney, to Hoffmann-La Roche Inc. Process for the preparation of alkyl substituted resorcinols. 3,790,636, 2-5-74, Cl. 260-586.00r.

Brossi, Arnold; Pecherer, Benjamin; and Sunbury, Robert, to Hoffmann-La Roche Inc. 2,3,4,5-Tetrahydro-1H-3-benzazepins. 3,795,683, 3-5-74, Cl. 260-340.500.

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Brossi, Arnold; Focella, Antonino; and Teitel, Sidney, to Hoffmann-La Roche Inc. 2-Chloro-5-N-pentylresorinol. 3,850,997, 11-26-74, Cl. 260-623.00r.

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Brothers, Don R. Thixotropic coating composition. 3,852,228, 12-3-74, Cl. 260-23.70m.

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Brougham, George D. Verticality indicator and adjustable sighting device for archery bows. 3,849,894, 11-26-74, Cl. 33-265.000.

Broughton, Barbara Joyce; Large, Bryan John; Marshall, Stuart Malcolm; Pain, David Lord; and Wooldridge, Kenneth Robert Harry, to May & Baker Limited. Azapurinones. 3,819,631, 6-25-74, Cl. 260-256.40f.

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Brouillette, Joseph W.; and Pruski, Edward M., to United States of America, Army. Means for controlling impedance characteristics of acoustic delay line transducers. 3,820,043, 6-25-74, Cl. 333-70.00r.

Brouneus, Harold A., to Corning Glass Works. Temperature control systems. 3,798,416, 3-19-74, Cl. 219-505.000.

Brouneus, Harold A., to Corning Glass Works. Electric heating unit. 3,813,520, 5-28-74, Cl. 219-543.000.

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Broussard, Ernest E.: *See*—

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Broussard, Pat J.; and Fincher, Arnold, to Halliburton Company. High temperature, low density cement composition. 3,832,196, 8-27-74, Cl. 106-89.000.

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Brower, Frank M.; Daniels, Arthur L.; and Fujioka, George S., to Dow Chemical Company, The. Process for preparing lithium aluminum hydride-aluminum hydride complexes. 3,816,192, 6-11-74, Cl. 149-109.000.

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Brown, Alvin E.: *See*—
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Brown, Bruce Cameron: *See*—
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Brown, Edgar D., Jr., to General Electric Company. Hydrocarbonoxy-containing silicone fluids useful as hydraulic fluids. 3,821,114, 6-28-74, Cl. 252-78.000.

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Brown, Patrick Michael; and May, Vernon Bruce, to Grace, W. R., & Co. Low density molding powder of vermiculite and clay. 3,791,836, 2-12-74, Cl. 106-71.000.
Brown, Patrick Michael, to Grace, W. R. & Co. Method of coating pressed vermiculite with a glaze composition. 3,832,224, 8-27-74, Cl. 117-123.00a.
Brown, Paul; and O'Brien, Joseph. Blood serum collection tube and method. 3,837,376, 9-24-74, Cl. 141-1.000.
Brown, Paul Douglas. Game apparatus for playing and recording successive plays in a game. 3,843,133, 10-22-74, Cl. 273-136.00r.
Brown, Paul L. Hand manipulated toy. 3,834,069, 9-10-74, Cl. 46-51.000.
Brown, Perry H.; and Tremblay, Maurice H., to Brunswick Corporation. Velvet fabric. 3,838,983, 10-1-74, Cl. 29-191.600.
Brown, Perry H.; and Tremblay, Maurice H., to Brunswick Corporation. Process for making electrochemical electrodes. 3,850,697, 11-26-74, Cl. 136-120.0fc.
Brown, Peter John Nicholas, to BP Chemicals International Limited. Isomerisation process. 3,801,658, 4-2-74, Cl. 260-654.00r.
Brown, Peter John Nicholas, to BP Chemicals Limited. Isomerisation process. 3,822,324, 7-2-74, Cl. 260-654.00r.
Brown, Peter John Nicholas; and Capp, Clifford William, to BP Chemicals International Limited. Isomerisation process. 3,830,858, 8-20-74, Cl. 260-654.00r.
Brown, Philip H.; and Reeves, Robert E., to Inland Container Corporation. Container partitions. 3,843,039, 10-22-74, Cl. 229-28.00r.
Brown, Preston R. Telephone alarm signalling system. 3,809,813, 5-7-74, Cl. 179-5.00r.
Brown, Ralph D., to Westinghouse Electric Corporation. Safety oil strainer. 3,817,380, 6-18-74, Cl. 210-131.000.
Brown, Raymond L. Pumping apparatus and method. 3,801,230, 4-2-74, Cl. 417-403.000.
Brown, Raymond S.: *See*—
Zmoda, Barney J.; and Brown, Raymond S., 3,819,522.
Brown, Richard E., to Warner-Lambert Company. Process for preparing substituted chromone-3-carbonitriles, carboxamides and carboxylic acids. 3,825,574, 7-23-74, Cl. 260-345.200.
Brown, Richard J., to Tri-Men Manufacturing, Inc. Temperature-compensated, thermal-activated time delay switch. 3,801,944, 4-2-74, Cl. 337-103.000.
Brown, Richard L. Apparatus for simulating crossroads vehicular traffic. 3,790,169, 2-5-74, Cl. 273-86.00r.
Brown, Richard L., to Midway Manufacturing Company. Tiltable table apparatus for ball rolling games. 3,815,917, 6-11-74, Cl. 273-110.000.
Brown, Richard L. Apparatus for pneumatically securing backing to sheet material ancillary to folding or other operational treatment. 3,840,961, 10-15-74, Cl. 29-200.00j.
Brown, Richard O., to Tri-Men Manufacturing, Inc. Gaseous fuel burner. 3,782,887, 1-1-74, Cl. 431-353.000.
Brown, Richard T., Jr.: *See*—
Stoliar, Arthur P.; and Brown, Richard T., Jr., 3,782,824.
Brown, Robert A.: *See*—
Jepson, John W.; Lyon, Herbert W.; and Brown, Robert A., 3,841,199.
McCarthy, Robert Joseph, 3,837,673.
Brown, Robert A.; Jepson, John W.; and Lyon, Herbert W., to Acushnet Company. Method of making golf ball molds. 3,831,423, 8-27-74, Cl. 72-358.000.
Brown, Robert B. Grading apparatus. 3,833,119, 9-3-74, Cl. 209-99.000.
Brown, Robert C., Jr.: *See*—
Davidson, William Ward, Jr., 3,785,289.
Brown, Robert G., to Eaton, Yale & Towne Inc. Inflatable safety apparatus for vehicle occupant. 3,802,719, 4-9-74, Cl. 280-150.0ab.
Brown, Robert H.: *See*—
McKee, Arvil B.; Brown, Robert H.; and Horst, Ralph L., 3,857,973.
Staley, James T.; Hunsicker, Harold Y., and Brown, Robert H., 3,836,405.
Brown, Robert Hulme, to C.A.V. Limited. Flashing lamp circuits. 3,783,337, 1-1-74, Cl. 315-200.00a.
Brown, Robert Hulme, to C.A.V. Limited. Speed control for D. C. motors. 3,854,079, 12-10-74, Cl. 318-341.000.
Brown, Robert J.: *See*—
Habert, William C.; Baumgartner, Wayne, Sr.; and Brown, Robert J., 3,844,871.
Brown, Robert J. S.: *See*—
Tilley, Aubra E.; Judson, Roger D.; and Brown, Robert J. S., 3,806,863.
Brown, Robert J. S., to Chevron Research Company. Method for initiating and collecting seismic data related to strata underlying bodies of water using a continuously moving seismic exploration. 3,840,845, 10-8-74, Cl. 340-7.00r.
Brown, Robert L.: *See*—
Neskora, Daniel R., Brown, Robert L., and Sliepcevich, Cedomir M., 3,833,351.
Brown, Robert L. Surveying apparatus with cutter. 3,811,348, 5-21-74, Cl. 83-13.000.
Brown, Robert O., to Westinghouse Electric Corporation. Guide vanes for supersonic turbine blades. 3,837,761, 9-24-74, Cl. 416-191.000.
Brown, Robert S., to Standard Steel Products Corporation. Sealed tube connectors. 3,847,419, 11-12-74, Cl. 285-330.000
Brown, Robert S., II Shave tool holder. 3,841,179, 10-15-74, Cl. 82-35.000.
Brown, Robert T.; Bullis, Robert H.; Churchill, Thomas L.; Hall, Robert J.; Lary, Edmund C.; Nighan, William L., III; and Schulman, Elliot R., to United Aircraft Corporation. Nonequilibrium magnetohydrodynamic device. 3,811,057, 5-14-74, Cl. 310-11.000.
Brown, Robert V. G.: *See*—
Braitberg, Michael F.; and Brown, Robert V. G., 3,807,042.
Brown, Roger A. Electro magnetic, super-cooled bearing. 3,820,859, 6-28-74, Cl. 308-10.000.
Brown, Roger S.: *See*—
Mayer, Mayer, Jr.; Kotter, James I.; Salaun, Harold L., Jr.; and Brown, Roger S., 3,835,638.
Brown, Roland Clough. Security steer-gear cyclelock 3,789,634, 2-5-74, Cl. 70-186.000.
Brown, Roland Clough. Sanding attachment. 3,796,013, 3-12-74, Cl 51-170.00r.
Brown, Roland Clough. Combination of a wrist watch and a cigarette lighter. 3,816,056, 6-11-74, Cl. 413-253.000.
Brown, Roland Clough. Visual-rotary-index card file. 3,848,941, 11-19-74, Cl. 312-189.000.
Brown, Ronald D.: *See*—
Stolin, Billy L.; and Brown, Ronald D., 3,823,928
Brown, Ronald E.: *See*—
Cammarata, Vincent N.; Brown, Ronald E.; and Garfinkle, David R., 3,797,391.
Brown, Ronald E.; and Oakes, James A., to General Motors Corporation. Method of making contact bumps on flip-chips. 3,809,625, 5-7-74, Cl. 204-15.000.
Brown, Ronald W. Dental pulp tester. 3,782,366, 1-1-74, Cl. 128-21.00r.
Brown, Ronald W. Dental pulp tester. 3,841,311, 10-15-74, Cl. 128-2.10r.
Brown, Ronald W., and Reynolds, Ronald W., to Sun Oil Company of Pennsylvania. Process of drying ethers. 3,846,088, 11-5-74, Cl 44-56.000.
Brown, Roy A., Jr.: *See*—
Haney, Eugene E.; La Tour, Harry; Brown, Roy A., Jr., and Bagdal, Karl T., 3,830,716.
Brown, Roy Alan; and Wilson, Robert Edmund, to Pilkington Brothers, Limited. Sheet apparatus for transversely cutting an advancing, 3,802,306, 4-9-74, Cl. 83-12.000.
Brown, Roy T., Jr.: *See*—
Ellis, Jacob B., 3,802,720.
Brown, Russell L. Shock absorbing rail assembly. 3,842,564, 10-22-74, Cl. 52-716.000.
Brown, Sidney F.: *See*—
Neely, Joseph E., and Brown, Sidney F., 3,798,042.
Brown, Stephen V.: *See*—
Shaffer, John W., and Brown, Stephen V., 3,840,324.

Brown, Stuart; and Lowe, Warren, to Chevron Research Company. Lubrication oil composition. 3,784,474, 1-8-74, Cl. 252-51.50r.

Brown, Stuart H., to Chevron Research Company. Lubricating oil additives. 3,844,965, 10-29-74, Cl. 252-51.50a.

Brown, Ted R. Air conditioning process. 3,812,685, 5-28-74, Cl. 62-93.000.

Brown, Ted R. Heat exchange process and apparatus. 3,815,667, 6-11-74, Cl. 165-2.000.

Brown, Ted R. Refrigeration system with subcooler. 3,852,974, 12-10-74, Cl. 62-79.000.

Brown, Terence J., to USM Corporation. High frequency press with capacitive tuning. 3,783,217, 1-1-74, Cl. 219-10.530.

Brown, Terry D.; and Wood, Harold V., to Phillips Petroleum Company. Molecular weight determining apparatus. 3,807,221, 4-30-74, Cl. 73-57.000.

Brown, Theodore E., Jr.; and Willis, Frank M., to Du Pont de Nemours, E. I., and Company. Process for continuously forming compartmented packages. 3,795,081, 3-5-74, Cl. 53-28.000.

Brown, Thomas A.; and Huber, Joseph B., to Kennametal Inc. Forming roll, especially for rod mills and the like. 3,786,546, 1-22-74, Cl. 29-125.000.

Brown, Thomas E.; Brotherton, Richard M.; and Shive, Howard J., to Rubbermaid Industrial Products Corporation. Waste receptacle and dumping mechanism therefor. 3,804,277, 4-16-74, Cl. 214-302.000.

Brown, Thomas G.: *See*—
Bjalme, Bengt G.; and Brown, Thomas G., 3,831,256.

Brown, Vernon L.; and Pearce, Joseph L., to Otis Engineering Corporation. Stuffing box for wireline well apparatus. 3,831,676, 8-27-74, Cl. 166-82.000.

Brown, Victor. Tower extractor for municipal wastes. 3,836,085, 9-17-74, Cl. 241-19.000.

Brown, Wade; and Farber, Joseph, to Ciba-Geigy Corporation. Dialkylphenolthiazines and phenolic antioxidants as stabilizing compositions. 3,819,574, 6-25-74, Cl. 260-45.8sn.

Brown, Wallace W. Collapsible cable spool. 3,791,606, 2-12-74, Cl. 242-115.000.

Brown, Warren F. Appliance dolly. 3,807,750, 4-30-74, Cl. 280-35.000.

Brown, Wayne; Fabere, Raymond W.; Grant, Gerald E.; and Sons, Charles C., to Caterpillar Tractor Company. Deflector ring for tire. 3,786,848, 1-22-74, Cl. 152-209.00r.

Brown, Wendell W.; Davis, Michael I.; and Pipitone, Ralph M., to International Business Machines Corporation. Interlevel communication in multilevel priority interrupt system. 3,825,902, 7-23-74, Cl. 340-172.500.

Brown, Wendell W., to International Business Machines Corporation. Automatic switching of storage protect keys. 3,825,903, 7-23-74, Cl. 340-172.500.

Brown, Willard D. Apparatus for determining the unit valve of a line of type characters. 3,785,553, 1-15-74, Cl. 235-60.000.

Brown, William B.: *See*—
Campbell, Gregory A.; and Brown, William B., 3,855,106.

Brown, William B.; deceased (by Brown, Hazel V.; representative); Besnyo, George Frank; and Hornor, Eugene Marshall, to Western Electric Company, Incorporated. Methods of and apparatus for marking successive sections of an elongated material. 3,788,213, 1-9-74, Cl. 101-37.000.

Brown, William B.; and Campbell, Gregory A., to General Motors Corporation. Interrupted current electrodeposition of paints. 3,809,634, 5-7-74, Cl. 204-181.000.

Brown, William B.; deceased (by Brown, Hazel V., representative); and Gavin, Frederick David, to Western Electric Company, Incorporated. Assembling electrical components. 3,839,787, 10-8-74, Cl. 29-629.000.

Brown, William C., to United States of America, Navy. Magnetic field geometry for crossed-field devices. 3,843,904, 10-22-74, Cl. 315-39.710.

Brown, William D., to University of California, The Regents of the. Method for imparting pink color to cured meats. 3,821,438, 6-28-74, Cl. 426-266.000.

Brown, William David; and Thomson, Richard Noel, to Dunlop Limited. Inflatable seals. 3,788,651, 1-29-74, Cl. 277-34.000.

Brown, William E. Typing error correction system. 3,850,656, 11-26-74, Cl. 117-2.0tc.

Brown, William J., to Chemplex Company American Can Company. Continuous forms leader. 3,788,536, 1-29-74, Cl. 226-91.000.

Brown, William Keith; and Stanback, Harris I., to Square D Company. Ground current powered ground fault protector. 3,809,962, 5-7-74, Cl. 317-18.00d.

Brown, William L., Jr.; Hoffman, John L.; and Schaefer, Maurice E., to Caterpillar Tractor Company. Engine thermodyanmic cycle analyser. 3,815,410, 6-11-74, Cl. 73-115.000.

Brown, William M.: *See*—
Brown, Nancy F., 3,806,071.

Brown, William M., to Federal Paper Board Company, Inc. Multiple unit container package with consumer tool divider assembly. 3,784,000, 1-8-74, Cl. 206-47.00r.

Brown, William M., to Ultra Products, Inc. Reuseable step and porch form. 3,841,595, 10-15-74, Cl. 249-14.000.

Brown, William R.; and Gonda, William V., to FMC Corporation. Assembly machine. 3,802,184, 4-9-74, Cl. 59-7.000.

Brown, William R., to Mallory, P. R., & Co., Inc. Cam-actuated timer switch. 3,814,874, 6-4-74, Cl. 200-38.00b.

Brown, William R.; and Mullikin, Noel C., to Malloy, P. R., & Co., Inc. Electrical timer with improved gear-cam structure. 3,824,357, 7-16-74, Cl. 200-38.00b.

Brown, William Ray, to Mallory, P. R., & Co., Inc. Cam operated electrical time assembly with improved contact and associated peripheral rib cam. 3,790,726, 2-5-74, Cl. 200-38.00b.

Brown, Woodrow I. Portable traffic delineator. 3,809,007, 5-7-74, Cl. 116-63.00p.

Brown, Woodrow I. Portable traffic marker. 3,851,616, 12-3-74, Cl. 116-63.00r.

Brownback, Dewey Earl, to International Business Machines Corporation. Interfacing circuitry for connecting a remote keyboard with a data receiving buffer. 3,825,926, 7-23-74, Cl. 340-365.00e.

Brownbill, Thomas Duncan. Variable throw rocker. 3,847,007, 11-12-74, Cl. 72-393.000.

Browne, Anthony Arthur Briarly; and McIntyre, James Eric, to Imperial Chemical Industries Limited. Manufacture of polyesters. 3,842,040, 10-15-74, Cl. 260-75.00m.

Browne, Anthony Arthur Briarly; and McIntyre, James Eric, to Imperial Chemical Industries Limited. Solid state manufacture of polyesters. 3,842,041, 10-15-74, Cl. 260-75.00m.

Browne, David Alexander. Fruit de-stoning method and apparatus. 3,829,591, 8-13-74, Cl. 426-285.000.

Browne, Denis Anthony: *See*—
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Browne, John Prescott: *See*—
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Browne, Lawrence T. Soldering method and apparatus for ceramic circuits. 3,797,100, 3-19-74, Cl. 29-471.100.

Browne, Paul Nolan: *See*—
Borsuk, Michael Howard; Browne, Paul Nolan; and Wright, Arden Bernard, 3,819,859.

Browne, Paul Nolan; Burns, Harry Shaner; Kelly, Thomas Joseph; and Sautter, Helmuth Otto, to Bell Telephone Laboratories, Incorporated. Video format converter. 3,806,644, 4-23-74, Cl. 178-6.800.

Browne, Ronald O.; and Huffman, James L., to Brown Engineering Corporation. Waste discharge valve for toilet bowl. 3,781,920, 1-1-74, Cl. 4-85.000.

Browne, Sidney: *See*—
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Browne, Sidney, to Carrier Telephone Corporation of America, Inc. Carrier system for effecient connection of telephone subscribers to central office. 3,804,988, 4-16-74, Cl. 179-15.0fs.

Browne, William H.: *See*—
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Browne-Morse Company: *See*—
Betts, Paul J., 3,827,570.

Brownell, Lloyd E.: *See*—
Isaacson, Raymond E.; and Brownell, Lloyd E., 3,849,330.

Browner, Richard F.; Winefordner, James D.; and Glenn, Tom H.; deceased (by Glenn, Mary T.; heir), said Browner and said Winefordner assors. to Board of Regents. Temperature stabilized spectral source. 3,786,308, 1-15-74, Cl. 315-248.000.

Browner, Stella M.: *See*—
Tumlinson, James H. III; Mitchell, Everett R.; Browner, Stella M.; Mayer, Marion S.; Green, Nathan; Hines, Ronald W.; and Lindquist, Donald A., 3,832,461.

Browning Arms Company: *See*—
Browning, Bruce W., 3,830,000.
Hillberg, Robert L.; and Hartog, Thomas J., 3,810,326.

Browning, Bruce W., to Browning Arms Company. Cartridge expelling mechanism for firearms. 3,830,000, 8-20-74, Cl. 42-23.000.

Browning, Charles W. Knot tying device. 3,782,764, 1-1-74, Cl. 289-17.000.

Browning, Gordon D.: *See*—
Day, Alan M.; and Browning, Gordon D., 3,812,774.

Browning, Gordon D., to Cyclotron Corporation, The, mesne. Magnetic resonance probe system. 3,795,855, 3-5-74, Cl. 324-.50r.

Browning, Iben; and Johnson, Peter R. Recording method and apparatus utilizing light energy to move record forming material onto a record medium. 3,798,365, 3-19-74, Cl. 178-6.60a.

Browning, Jhonce Nelson, to FMC Corporation. Regeneration of spent alumina. 3,814,701, 6-4-74, Cl. 252-412.000.

Browning, Luther C., to Addressograph-Multigraph Corporation. Method and materials for control of contact electrostatic development. 3,811,880, 5-21-74, Cl. 96-1.400.

Browning, Paul T., III. Fishing lure. 3,854,233, 12-17-74, Cl. 43-42.290.

Browning, Stanley Albert Charles. Appliance support. 3,822,892, 7-9-74, Cl. 280-47.110.

Browning, Vernon D.: *See*—
Kleykamp, Donald L.; Gaster, Ivan; Browning, Vernon D.; and Holden, Homer N., 3,802,991.

Browning, Walter P.; and Dodge, William L. Wind turbine powered line suspended device. 3,848,835, 11-19-74, Cl. 244-155.00r.

Browning, William C.; and Chesser, Billy G., to Milchem Incorporated. Composition and process for cross-linking macromolecular polysaccharide solutions. 3,810,882, 5-14-74, Cl. 260-209.00r.

Brownlee, Thomas Harland; and Matsuda, Ken, to American Cyanamid Company. Product for the formation of fluorescent images. 3,794,512, 2-26-74, Cl. 117-33.50r.

Brownlie, Alan W.: *See*—
.fanger, Arthur W.; and Brownlie, Alan W., 3,823,617.

Brownlie, William M. Towing apparatus for a cycle and the like. 3,822,898, 7-9-74, Cl. 280-402.000.

Brownrigg, John D.: *See*—
Howell, Clarence F.; Brownrigg, John D.; and Cooper, George H., 3,800,507.

Brownscombe, Philip J., to Dietzgen Corporation. Microfiche reader with floating lens. 3,815,975, 6-11-74, Cl. 350-255.000.

Brownscombe, Philip J., to Dietzgen Corporation. Projector viewer with indicating device. 3,834,800, 9-10-74, Cl. 353-27.000.

Brownson, Ivan Frank. Water ski construction. 3,827,096, 8-6-74, Cl. 9-310.00a.

Brownstein, Arthur M.; and Kerr, David L., to Sun Oil Company. Oxidation of secondary and tertiary alkyl aromatic hydrocarbons. 3,803,243, 4-9-74, Cl. 260-610.00b.

Brownstein, Arthur M.; and Kerr, David L., to Sun Research and Development Co. Oxidation of aliphatic and alicyclic hydrocarbons. 3,822,318, 7-2-74, Cl. 260-610.00b.

Brownstein, Arthur M.; and Kerr, David L., to Sun Research and Development Co., mesne. Oxidation of secondary and tertiary alkyl aromatic hydrocarbons. 3,845,140, 10-29-74, Cl. 260-610.00b.

Brownstein, Ronald G.: *See*—
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Browtzki, Kurt: *See*—
Herzhoff, Peter; Gref, Hans; Maus, Fritz; Browtzki, Kurt; Friedsam, Josef; Wasser, Willi; and Schweicher, Wolfgang, 3,797,551.

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Elmore, Lester C.; and Broxholm, Thomas M., 3,803,975.
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Broxholm, Thomas M.; and Elmore, Lester C., to Pulsepower Systems, Inc. Modular liquid propellant gun. 3,800,657, 4-2-74, Cl. 89-7.000.

Broxterman, David F.: *See*—
Sirocka, Richard L.; and Broxterman, David F., 3,815,354.

Broxterman, William E.; Schmidt, Donald L.; and Evani, Syamalarao, to Dow Chemical Company, The. Coating compositions comprising cyclic sulfonium zwitterions with carboxy containing polymers. 3,804,797, 4-16-74, Cl. 260-29.620.

Broyde, Barret, to Western Electric Company, Incorporated. Additives to negative photoresists which increase the sensitivity thereof. 3,808,155, 4-30-74, Cl. 252-500.000.

Broyden, Robert H.: *See*—
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Broyer, Robert, to Regie Nationale des Usines Renault and Automobiles Peugeot. Steering wheels for automobile vehicles. 3,823,618, 7-16-74, Cl. 74-552.000.

Broyhill Co., The: *See*—
Kommers, William J.; and Stewart, Clarence E., 3,797,743.

Broyles, Howard F. Electrically fired multiple barrel superimposed projectile weapon system. 3,854,231, 12-17-74, Cl. 42-84.000.

Broz, Jerry J., to Twinn-K, Inc., mesne. Slot car track cleaning device. 3,789,768, 2-5-74, Cl. 104-279.000.

Brozek, Chester W.: *See*—
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BRS, Inc.: *See*—
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Johnson, Jeffrey O., 3,822,488.
Keastle, Berthold, 3,812,605.

Bru, Michel, to Ets J. J. Carnaud & Forges de Basse-Indre. Sheet feeding cylinder. 3,788,639, 1-29-74, Cl. 271-53.000.

Bru, Michel, to Ets J.J. Carnaud & Forges de Basse-Indre. Pneumatic elevator for lifting a sheet of material. 3,834,558, 9-10-74, Cl. 214-1.0ht.

Bruan, Oskar J., to Xerox Corporation. Reproduction machine fuser assembly. 3,809,861, 5-7-74, Cl. 219-469.000.

Bruant, Philippe, to Societe Anonyme dite: Aquitaine Total Organico Tour Aquitaine. Anoinic lactampolymerization process using an O-C..N containing activator. 3,826,785, 7-30-74, Cl. 260-78.001.

Brubaker, Dale R.: *See*—
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Brubaker, Dale R.; and Weinstein, Daniel S. Constant speed control for an automatic welder. 3,852,561, 12-3-74, Cl. 219-125.00r.

Brubaker, Harry E. Automatic rake. 3,824,773, 7-23-74, Cl. 56-369.000.

Brubaker, Louis M., to Alloy Grafts Co. Transportable bulk-material handling apparatus. 3,792,790, 2-19-74, Cl. 214-501.000.

Brubaker, Wilson M. Hyperbolic field mass filter. 3,783,279, 1-1-74, Cl. 250-292.000.

Brubaker, Wilson M. Focusing plate for magnetic mass spectrometer. 3,800,140, 3-26-74, Cl. 250-299.000.

Bruce, Daniel: *See*—
Kronick, Melvyn N.; MacLowry, James; and Bruce, Daniel, 3,819,489.

Bruce, George Brebber: *See*—
Hutchinson, Royal Edward; and Bruce, George Brebber, 3,808,766.

Bruce, George H.: *See*—
Lloyd, James R.; Williams, Robert E.; Bayless, Jack H.; Ortloff, Gerald D.; and Bruce, George H., 3,825,065.

Bruce, George H.; and Ilfrey, William T., to Esso Production Research Company. Method and apparatus for controlling hydrostatic pressure gradient in offshore drilling operations. 3,815,673, 6-11-74, Cl. 166-.500.

Bruce, Glenister Stuart, to Ricardo & Co. Engineers (1927) Limited. Reciprocating-piston engines and compressors. 3,841,203, 10-15-74, Cl. 92-73.000.

Bruce Industries, Inc.: *See*—
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Bruce, John MacMillan, Jr., to Du Pont de Nemours E. I., and Company. Method of removing halocarbons from gases. 3,845,191, 10-29-74, Cl. 423-240.000.

Bruce, Peter. Chain cable. 3,810,358, 5-14-74, Cl. 59-78.000.

Bruce, Robert A.: *See*—
Booth, Franklin W.; and Bruce, Robert A., 3,828,524.
Chadima, George E., Jr.; and Bruce, Robert A., 3,823,388.

Bruce, Roger K.; Marhold, Werner; and Adickes, Cecil F., to Sterigard Corporation. Mold for fabricating the housing of a dispensing valve for pressurized dispensers. 3,849,053, 11-19-74, Cl. 425-438.000.

Bruce, William F., to American Home Products Corporation. Di(lower) alkylamino- and heteroamino-(lower) alkyl-alpha;alpha,alpha-trifluoro-M-toluic acid esters and derivatives. 3,794,677, 2-26-74, Cl. 260-477.000.

Bruce, William F.; and Baum, Thomas, to American Home Products Corporation. (2,6-Disubstituted benzylidene) amino guanidines and related compounds. 3,816,531, 6-11-74, Cl. 260-564.00f.

Bruce, William F., to American Home Products Corporation. 2,6-Dichlorobenzylidenehydrazides. 3,836,580, 9-17-74, Cl. 260-558.00h.

Bruce, William F., to American Home Products Corporation. 2,6-Dichlorobenzaldehyde hydrazones. 3,850,915, 11-26-74, Cl. 260-240.00g.

Bruce, William P., to American Home Products Corporation. N-substituted -alpha, alpha, alpha-triflu oro-m-toluamides. 3,787,419, 1-22-74, Cl. 260-293.770.

Bruce-Lake Company: *See*—
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Bruch, Walter, to TED Bildplatten Aktiengesellschaft AEG-Telefunken-Teldec. Color video signal store. 3,852,520, 12-3-74, Cl. 358-9.000.

Brucher, Rudolf; and Gemein, Rudolf. Radial bearing with adjustable shaft support. 3,804,475, 4-16-74, Cl. 308-122.000.

Bruchmann, Hans-Dieter: *See*—
Zucker, Friedrich Josef; and Bruchmann, Hans-Dieter, 3,852,191.

Bruck, Erhard, to Leitz, Ernst, GmbH. Hydrostatic bearing systems. 3,806,208, 4-23-74, Cl. 308-9.000.

Bruck, George, to Avco Corporation. Waveform edge-shifting modulation system for video recording and reproduction. 3,783,410, 1-1-74, Cl. 332-9.00r.

Bruck, George; Faroudja, Yves C.; and Smaller, Philip, to Avco Corporation, mesne. Polychrome television recording and playback system. 3,828,129, 8-6-74, Cl. 178-5.4cd.

Bruck, Herbert: *See*—
Schranz, Karl-Wilhelm; Hunicke, Wolfgang; Brus, Gerhard H.; Schon, Erwin; Busch, Josef; and Bruck, Herbert, 3,813,246.

Brucken, Byron L.: *See*—
Bernard, James A.; and Brucken, Byron L., 3,835,719.

Brucken, Byron L., to General Motors Corporation. Heat-cleaning range construction. 3,782,360, 1-1-74, Cl. 126-19.00r.

Brucken, Byron L., to General Motors Corporation. Bulkhead mounting arrangement for tub seal and drive mechanism. 3,793,854, 2-26-74, Cl. 68-23.700.

Brucker, Christian. Process of an installation for purifying sewage. 3,846,291, 11-5-74, Cl. 210-14.000.

Brucker, Clarence E.; Uhlarik, Kenneth S.; Lampe, John W., Jr.; and Bush, John W., to American Home Products Corporation. Lower caloric candy. 3,800,045, 3-26-74, Cl. 426-162.000.

Brucker, Donald, to Continuous Curve Contact Lenses, Inc. Laser apparatus for fenestration of contact lenses. 3,833,786, 9-3-74, Cl. 219-121.001

Brucker, William S. Golf-club selection aid. 3,824,698, 7-23-74, Cl. 33-277.000.

Brucker, William S. Self healing clutch. 3,827,259, 8-6-74, Cl. 64-28.00r.

Bruckert, Eugene J.: *See*—
Braun, William V.; and Bruckert, Eugene J., 3,801,956.

Braun, William V.; Bruckert, Eugene J.; Giacomino, Gerald L.; and Partipilo, Phillip, 3,855,576.

Bruckheim, Arthur Jay. Heart surveillance device. 3,837,333, 9-24-74, Cl. 128-2.06f.

Bruckler, Vladimir: *See—*
Wagner, Alfred; and Bruckler, Vladimir, 3,796,819.

Bruckner Apparatebau GmbH: *See—*
Bruckner, Kurt, 3,812,599.

Bruckner, Gyorgyi: *See—*
Gorog, Katalin, nee Privitizer; Bruckner, Gyorgyi; Farkas, Kalman; Grega, Erzsebet; Marosvolgyi, Sandor; Pinter, Zoltan; and Szilagyi, Gyula, 3,794,641.

Bruckner, Hermann: *See—*
Kral, Rudolf; and Bruckner, Hermann, 3,809,016.

Bruckner, James V.: *See—*
Stoltz, James P.; Bruckner, James V.; and Yingst, Thomas O., 3,814,282.

Bruckner, Kurt, to Bruckner Apparatebau GmbH. Apparatus for the treatment of textile fabric. 3,812,599, 5-28-74, Cl. 34-216.000.

Bruckner, Richard, to Bunker Ramo Corporation. Carrier for integrated circuit packages. 3,784,960, 1-8-74, Cl. 339-91.00r.

Bruckner, Richard; and Tansky, John L., to Bunker Ramo Corporation. Electrical connector for transistor outline semiconductor device. 3,800,268, 3-26-74, Cl. 339-66.00m.

Bruckner, Ronald L., to National Cash Register Company, The. Supply voltage and clock signal monitor. 3,790,818, 2-5-74, Cl. 307-235.00r.

Bruckner, Wolfgang: *See—*
Taudt, Heinz; and Bruckner, Wolfgang, 3,803,500.

Bruckner-Apparatebau Michelstadt GmbH: *See—*
Schuierer, Manfred, 3,837,188.

Bruckner-Engineering GmbH: *See—*
Becker, Rolf, 3,805,950.

Bruder, Edward A.: *See—*
Bradus, Robert; Bruder, Edward A.; and Rogers, Frederick, 3,820,485.

Bruder, Werner; and Grieb, Hubert, to Motoren- und Turbinen-Union Munchen GmbH, mesne. Gas turbine for series or parallel operation, subdivided into at least two sections with parallel axes. 3,813,874, 6-4-74, Cl. 60-39.150.

Bruderer AG: *See—*
Portmann, August Thomas, 3,783,699.
Portmann, August Thomas, 3,784,075.
Portmann, August Thomas, 3,805,931.

Bruderer, Hans; Richle, Rolf; and Ruegg, Rudolf, to Hoffmann-La Roche Inc. 4-Nitropyrazole-5-carboxamidoximes. 3,822,283, 7-2-74, Cl. 260-310.00r.

Bruderer, Werner: *See—*
Knell, Bernhard; and Bruderer, Werner, 3,800,849.
Knell, Bernhard; and Bruderer, Werner, 3,814,169.
Rotarides, Adam; and Bruderer, Werner, 3,822,738.
Yanagida, Mareo; Saranoue, Susumu; Nakagawa, Hideyuki; and Bruderer, Werner, 3,794,218.

Bruderer, Werner; and Koenig, Peter J., to Concast AG. Method of sealing the stopping and withdrawing head in a continuous casting mold. 3,799,238, 3-26-74, Cl. 164-82.000.

Bruderlein, Francois T.; and Humber, Leslie, to Ayerst, McKenna and Harrison Limited. Benzocyclohepta isoquinoline derivatives as CNS depressants. 3,852,452, 12-3-74, Cl. 424-258.000.

Bruderlin, John Wilfred, to Lynx Engineering (Sales) Pty. Limited. Petrol engine and intake manifold. 3,800,752, 4-2-74, Cl. 123-52.00m.

Brudnak, Andrew, Jr.: *See—*
Carlson, Ernest C.; Brudnak, Andrew, Jr.; and Yeh, Rudolph E., 3,815,766.

Brudy, Peter E., to Dominion Auto Accessories, Limited. Retractable truck mirror. 3,784,149, 1-8-74, Cl. 248-478.000.

Brudy, Peter E., to Dominion Auto Accessories Limited. Lamp construction. 3,798,444, 3-19-74, Cl. 240-106.00r.

Brudy, Peter E., to Dominion Auto Accessories Limited. Foldable emergency reflecting device. 3,806,234, 4-23-74, Cl. 350-97.000.

Brudy, Peter E., to Dominion Auto Accessories Limited. Retractor assembly. 3,811,715, 5-21-74, Cl. 287-14.000.

Brudy, Peter E., to Dominion Auto Accessories Limited. Reflecting device. 3,834,789, 9-10-74, Cl. 350-97.000.

Brudy, Peter E., to Dominion Auto Accessories Limited. Bundling strap. 3,855,670, 12-24-74, Cl. 24-16.0pb.

Bruekink, Bernard, to Holec N.V. Injector. 3,828,748, 8-13-74, Cl. 123-139.0aj.

Bruelemans, Karel B., to Fabrique Nationale Herstal S.A. en abrege FN. Device for producing simultaneously two separate fabrics rib on the same head of a rib knitting machine with two needle beds. 3,831,403, 8-27-74, Cl. 66-126.00r.

Bruels, John F. Pneumatic-electric switch apparatus with lock out feature. 3,845,258, 10-29-74, Cl. 200-81.00h.

Bruen, Charles P.: *See—*
Bandyopadhyay, Bhaskar; Bruen, Charles P.; and Wamser, Christian A., 3,821,355.
Morgan, Thomas R.; Low, William W.; Wamser, Christian A.; and Bruen, Charles P., 3,784,672.

Bruen, Charles Patrick; and Wamser, Christian Albert, to Allied Chemical Corporation. Process for recovering chromium values from chrome ore. 3,787,555, 1-22-74, Cl. 423-54.000.

Bruen, Charles Patrick; Wamser, Christian Albert; and Morgan, Thomas Richard, to Allied Chemical Corporation. Method of extracting and recovering chromium values from chromite ore. 3,790,456, 2-5-74, Cl. 204-61.000.

Bruen, Charles Patrick; Low, William Wayne; and Smalley, Edmund Walter, to Allied Chemical Corporation. Method for recovering chromium values from chromite ore. 3,816,095, 6-11-74, Cl. 75-3.000.

Bruen, Charles Patrick; Low, William Wayne; and Smalley, Edmund Walter, to Allied Chemical Corporation. Process for the production of sodium chromate from chromite ore. 3,852,059, 12-3-74, Cl. 75-3.000.

Brueninghaus Hydraulik GmbH: *See—*
Reinecke, Udo; Jurgensmann, Helmut; Riedhammer, Josef; Stangl, Helmut; and Beutler, Gerhard, 3,850,272.

Bruenisholz, Jean; and Beffa, Fabio, to Ciba-Geigy AG. Acid nitro dyestuffs, their manufacture and use. 3,819,690, 6-25-74, Cl. 260-510.000.

Bruenner, Rolf S.: *See—*
Oberth, Adolf E.; and Bruenner, Rolf S., 3,817,945.

Bruenner, Rolf S., to Aerojet-General Corporation. Wetting agents for non-aqueous dispersions. 3,819,561, 6-25-74, Cl. 260-32.60a.

Bruer, Hermann; and Treuner, Uwe D., to Squibb, E. R., & Sons, Inc. Dithiocarbonylaminoacetyl cephalosporins. 3,855,211, 12-17-74, Cl. 260-243.00c.

Bruer, James D.; Buddington, Donald L.; and Klein, Walter F., to International Business Machines Corporation. Dictation apparatus with disc loading, feeding, and ejecting feature. 3,789,160, 1-29-74, Cl. 179-100.20z.

Bruest Industries, Inc.: *See—*
Kweller, Esher R., 3,802,856.

Brug, James E.; and Heidelberg, Eric X., to Owens-Illinois, Inc. Recovery of gold from solution in aqua regia. 3,856,507, 12-24-74, Cl. 75-.50a.

Brugerolle, Jean-Renaud; and Petit, Pierre, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process and installation for the oxidation of an oxidisable substance. 3,833,477, 9-3-74, Cl. 195-109.000.

Bruget, Bernard C. Pipe smoker's tool. 3,830,243, 8-20-74, Cl. 131-243.000.

Bruggeman, Frans; and Smit, Jacobus C., to N.V. Bekaert S.A. Wire box or crate. 3,784,044, 1-8-74, Cl. 220-19.000.

Bruggencate, Teunis Ten: *See—*
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Brugger, Joseph A.: *See—*
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Brugger, Max: *See—*
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Rittel, Werner; Brugger, Max; Kamber, Bruno; Riniker, Bernhard; Sieber, Peter; and Greven, Hendrik Marie, 3,849,388.

Brugger, Max; Riniker, Bernhard; and Rittel, Werner, to Ciba-Geigy Corporation. Analogues of human thyrocalcitonin modified with corresponding amino acids of salmon thyrocalcitonin and derivatives thereof. 3,798,203, 3-19-74, Cl. 260-112.500.

Brugger, Richard D. Device for calibrating a transmissometer. 3,850,529, 11-26-74, Cl. 356-207.000.

Brugger, Robert Eugene: *See—*
Richard, Roger; and Brugger, Robert Eugene, 3,820,341.

Bruggert, Paul. Clip for attaching stalks to a wire or other like elongated supported member. 3,800,365, 4-2-74, Cl. 24-73.0hl.

Bruggi, Mario. Machine for working shoe sole contours. 3,798,693, 3-26-74, Cl. 12-87.000.

Bruggink, Gordon J., Sr. Drying apparatus for barn milk lines. 3,791,046, 2-12-74, Cl. 34-104.000.

Brugh, Latane D., Jr.; and Smith, John W., Jr., to Westvaco Corporation. Method of manufacture fiberboard carton product. 3,802,984, 4-9-74, Cl. 156-184.000.

Brugnoli, Angelo, to Amici, Francesco and Brugnoli, Maria. Siphon with pneumatic priming and suction. 3,789,433, 2-5-74, Cl. 4-44.000.

Brugnoli, Maria: *See—*
Brugnoli, Angelo, 3,789,433.

Bruhlet, Paul; and Quillet, Gerard, to Compagnie Francaise de Raffinage and Wendel-Sidelor. Injection of liquid fuels into shaft furnaces. 3,809,524, 5-7-74, Cl. 431-181.000.

Bruhn, Max R. C., Jr., to Grand Haven Stamped Products Company. Adjustable linkage. 3,828,625, 8-13-74, Cl. 74-512.000.

Bruijn, Engelbertus Jacobus; Hamburg, Fokko Wessel; Kanij, Johannes Bastiaan Willem; and De Rooy, Robert, to Reactor Centrum Nederland. Sintering of sol-gel material. 3,846,520, 11-5-74, Cl. 264-.500.

Bruijning, Hugo Georg; and Meijer, Frans, to U.S. Philips Corporation. Multi-pulse capacitor discharge ignition system. 3,839,659, 10-1-74, Cl. 315-209.0sc.

Bruinsma, Bote Gosse, to Dominion Engineering Works, Limited. Adjustment system for suction transfer roll in a papermaking machine. 3,806,407, 4-23-74, Cl. 162-306.000.

Bruke, Thomas P. Snow broom. 3,804,451, 4-16-74, Cl. 294-54.000.

Bruker-Physik AG: *See—*
Haas, Jorg, 3,838,654.
Otten, Ernst W.; and Farr, Werner D., 3,786,340.

Brukovsky, Igor Pavlovich. Automatic control of the duty cycle of an electron beam heating device. 3,812,319, 5-21-74, Cl. 219-121.0eb.

Brukovsky, Igor Pavlovich; Yakolvlev, Pavel Borisovich; and Gutterman, Kirill Davidovich. System for automatic control of electron beam heating device. 3,826,889, 7-30-74, Cl. 219-121.0eb.

Brulard, Michel, to Jeumont-Schneider. Switching enabling two electrical machines to motor or regenerate with their armatures in parallel or in series. 3,828,233, 8-6-74, Cl. 318-87.000.

Brule, C., E., & E., Inc.: *See—*
Sharpe, Peter S., 3,805,714.

Brumagim, Ivan S., to Secondary Processing Systems, Inc. Rotary internal combustion engine. 3,824,968, 7-23-74, Cl. 123-8.450.

Brument, Max, to Herve Et Fils Papeteries du Sentier (Societe Anonyme). Skirt convertible into a tote bag. 3,797,043, 3-19-74, Cl. 2-69.500.

Brumett, Billy M., to Hawley Manufacturing Corporation. Spring securement means for sealing web. 3,788,208, 1-29-74, Cl. 98-115.0vm.

Brumfield, John C., to I-T-E Imperial Corporation. Positive on position indicator. 3,783,215, 1-1-74, Cl. 200-153.00g.

Brumfield, Robert C. Filtering blood sucker. 3,785,380, 1-15-74, Cl. 128-276.000.

Brumfield, Robert C.; and Simmons, Edward E., to Harvey, William, Research Corporation. Bubble oxygenator including a blood foam return exchanger device. 3,807,958, 4-30-74, Cl. 23-258.500.

Brumlik, George C. Multi-element self-gripping channel. 3,808,646, 5-7-74, Cl. 24-87.00r.

Brumlik, George C. Self-adhering fastening filament. 3,833,972, 9-10-74, Cl. 24-24.000.

Brumlik, George C. Gripping fastening surface and method of making same. 3,840,945, 10-15-74, Cl. 24-204.000.

Brumm, Karl; and Thaler, Konrad, to General Motors Corporation. Two-stage internal combustion engine of the rotary-piston type. 3,817,220, 6-18-74, Cl. 123-8.050.

Brummer, Hans J.: *See—*
Trachte, Kurt; and Brummer, Hans J., 3,820,865.

Brun, Andre; Jaffe, Albert; and De Panafieu, Philippe, to Subsea Equipment Associates Limited (Seal). Well-head assembly. 3,834,460, 9-10-74, Cl. 166-.500.

Brun, Guy: *See—*
Blancheville, Pierre J.; Brun, Guy; and Dat, Pham Tat, 3,813,617.

Brun, Jean-Pierre; Bulvestre, Gerard; Juillou, Michel; Thirion, Pierre; and Pautrat, Rene. Process for separating hydrocarbons. 3,819,742, 6-25-74, Cl. 260-681.50r.

Brun, Jens; and Nielsen, Hans, to Vald. Henriksen A/S. Apparatus for dyeing yarns in bobbins. 3,791,179, 2-12-74, Cl. 68-198.000.

Brun, Marcel; and Riegert, Alfred, to Pechiney Ugine Kuhlmann. Apparatus for connecting a mobile tank with loading platform. 3,810,500, 5-14-74, Cl. 141-231.000.

Brun, Robert; and Pages, Michel, to Rhone-Poulenc S.A. Semipermeable tubular assembly. 3,834,546, 9-10-74, Cl. 210-321.000.

Brun, Robert; and Pages, Michel, to Rhone-Poulenc S.A. Semipermeable membrane apparatus. 3,838,776, 10-1-74, Cl. 210-321.000.

Brun, Roger, to U.S. Philips Corporation. Amplitude corrector for the chrominance component of a colour television signal. 3,849,593, 11-19-74, Cl. 358-27.000.

Brun-Tsekhovoi, Avgust Rafaelevich; Evreinov, Anatoly Naumovich; Stadnik, Vladimir Fedorovich; and Ilenko, Boris Kuzmich. Gas distribution grid. 3,822,986, 7-9-74, Cl. 431-328.000.

Brunar, Gerhart, to Meynadier & Cie Aktiengesellschaft. Method for the fabrication of composite insulations. 3,823,026, 7-9-74, Cl. 117-72.000.

Brunaud, Marcel Daniel Pierre: *See—*
Laboureur, Pierre; Brunaud, Marcel Daniel Pierre; and Langlois, Claude, 3,810,820.

Brundage, Ben W. Butterfly valve. 3,840,042, 10-8-74, Cl. 137-327.000.

Brundage, Horace W.: *See—*
Bayless, Frank K.; Brundage, Horace W.; Evans, Robert A.; and Hoover, John W., 3,816,872.
Evans, Robert A.; and Brundage, Horace W., 3,787,920.
Evans, Robert A.; and Brundage, Horace W., 3,805,319.

Brundage, R. Pauline; and Lesher, George Y., to Sterling Drug, Inc. 7-Methyl-4-chloro(or-4-lower-alkoxy)-1,8 -naphtayridine-3-carboxylates. 3,786,043, 1-15-74, Cl. 260-295.50b.

Brundage, R. Pauline; and Lesher, George Y., to Sterling Drug Inc. Certain 2-substituted-6-(3 or 4-pyridyl) nicotinic acid derivitives. 3,838,156, 9-24-74, Cl. 260-295.50r.

Brundage, R. Pauline; and Lesher, George Y., to Sterling Drug Inc. Preparation of 1-(lower-alkyl)-1,4-dihydro-7-methyl-4-oxo-1, 8-naphthyridine-3-carboxylate. 3,855,232, 12-17-74, Cl. 260-295.50b.

Brundage, Richard B.; and Jost, Walter P., Jr., to Emerson Electric Co. Welding unit with improved transformer tap and switch construction. 3,831,125, 8-20-74, Cl. 336-90.000.

Brundage, Robert Wesley. Rotary abutment hydraulic motor or pump. 3,846,055, 11-5-74, Cl. 418-124.000.

Brundage, Ruth Pauline: *See—*
Lorenz, Roman R.; and Brundage, Ruth Pauline, 3,840,544.

Brundberg, Arne. Colostomy, ileostomy or ureterstomy bag. 3,802,436, 4-9-74, Cl. 128-203.000.

Brundell och Jonsson AB: *See—*
Matlik, August, 3,854,510.

Brundiek, Horst. Roller mill of the edge runner type. 3,782,646, 1-1-74, Cl. 241-117.000.

Brundiek, Horst; and Werner, Ludwig. Roller mill of the edge runner type. 3,822,829, 7-9-74, Cl. 241-121.000.

Brundrett, Charles Philipp: *See—*
Hoffman, Gordon H.; and Brundrett, Charles Philipp, 3,826,758.

Brune, Heinz. Conduit union and gasket. 3,807,773, 4-30-74, Cl. 285-52.000.

Bruneau, Jacques: *See—*
Buzas, Andre; and Bruneau, Jacques, 3,843,647.

Bruneau, Louis O.; and Gulbrandsen, Richard, to Polaroid Corporation. Laminating apparatus. 3,850,775, 11-26-74, Cl. 156-463.000.

Bruneel, Charles H., 45% to Bruneel, Emerance C. and 10% to Champine, Hubert. Automobile floor mat construction. 3,856,610, 12-24-74, Cl. 161-43.000.

Bruneel, Emerance C.: *See—*
Bruneel, Charles H., 3,856,610.

Brunel, L. E. Andre, to Microsystems International Limited. Driver circuit. 3,824,408, 7-16-74, Cl. 307-214.000.

Brunel, Roger L.; Fannon, Robert D.; and Legue, Ronald L., to Klenco Corporation. Overhead rail cleaner and oiler. 3,786,779, 1-22-74, Cl. 118-4.000.

Brunel University: *See—*
Jeffries, Thomas Oliver, 3,788,234.

Bruner, Albert H., to Monsanto Company. Heated roll deposit cleaning apparatus. 3,817,061, 6-18-74, Cl. 68-5.00d.

Bruner, James D.: *See—*
Richter, Albert P., Jr.; Bruner, James D.; Mazzagarri, Roy P.; and Hall, Hugh E., Jr., 3,815,691.

Bruner, Leonard Bretz, to Stauffer Chemical Company. Hydraulic elastomer. 3,843,601, 10-22-74, Cl. 260-46.50g.

Brunes, Tons Jean. Supporting roller for belt and roller conveyors. 3,797,082, 3-19-74, Cl. 29-116.00r.

Brunet, Louis C. C.; and Corroyer, Pierre R. P. Piezo-electric control device for clock work and the like timing systems. 3,790,827, 2-5-74, Cl. 310-9.100.

Brunett, Peter F., to Burroughs Corporation. Wide line ribbon package. 3,837,480, 9-24-74, Cl. 206-497.000.

Brunetti, Heimo: *See—*
Dexter, Martin; Knell, Martin; and Brunetti, Heimo, 3,817,914.
Schmidt, Andreas; Schwarzenbach, Kurt; and Brunetti, Heimo, 3,787,540.
Schmidt, Andreas; Brunetti, Heimo; and Schwarzenbach, Kurt, 3,790,648.
Schmidt, Andreas; and Brunetti, Heimo, 3,821,334.

Brunetti, Heimo, to Ciba-Geigy Corporation. Bicyclic phosphorus compounds and process for making same. 3,808,296, 4-30-74, Cl. 260-927.00r.

Brunetti, Heimo; Peterli, Hans-Jakob; Muller, Helmut; and Heller, Hansjorg, to Ciba-Geigy Corporation. 1,3-Bis-(2'-hydroxybenzoyl)-benzenes. 3,821,310, 6-28-74, Cl. 260-591.000.

Brunetti, Heimo; Schwarzenbach, Kurt; and Schmidt, Andreas, to Ciba-Geigy Corporation. Bis-salicycloyl-hydrazines. 3,849,492, 11-19-74, Cl. 260-559.00h.

Brunger, Ronald N., to International Harvester Company. Motor vehicle lamp unit. 3,852,585, 12-3-74, Cl. 240-57.000.

Bruniche-Olsen, Henning Anton, to Aktieselskabet de Danske Sukkerfabrikker. Lixiviating apparatus. 3,836,337, 9-17-74, Cl. 23-270.00r.

Brunin, Kirill Rudolfovich: *See—*
Truskanov, David Matveevich; Brunin, Kirill Rudolfovich; and Ratner, Lev Semenovich, 3,829,864.

Bruning, John Henry, to Bell Telephone Laboratories, Incorporated. High voltage amplifier. 3,842,259, 10-15-74, Cl. 250-213.00a.

Bruning, Leslie. Drain guard for contact lens. 3,788,485, 1-29-74, Cl. 210-474.000.

Bruning, Paul F., to Electronic Machining Company. Lift structure. 3,791,329, 2-12-74, Cl. 114-66.50r.

Bruning, Rolf, to Heraeus-Schott Quarzschmelze GmbH. Salt vapor atmosphere treatment of quartz crystal granules. 3,850,602, 11-26-74, Cl. 65-18.000.

Brunk, Milton J.: *See—*
Stout, Richard W.; and Brunk, Milton J., 3,797,850.

Brunkhorst, Lloyd E.; Carr, Theodore G.; and Dueker, James E., to McDonnell Douglas Corporation. Pulse optical radiation tracker. 3,800,146, 3-26-74, Cl. 250-211.000.

Brunnee, Curt; and Bultemann, Hans-Joachim. Method for analysis by producing a mass spectrum by mass separation in a magnetic sector field of a mass spectrometer utilizing ionization of a sample substance by electron bombardment. 3,787,681, 1-22-74, Cl. 25-41.9sb.

Brunnee, Curt. Device for separating mixtures of gaseous and/or vaporous substances especially for separation of carrier gas in devices for gaschromatography. 3,837,147, 9-24-74, Cl. 55-197.000.
Brunner, Alfred, to Sulzer Brothers Ltd. Tubing for a combustion chamber. 3,832,978, 9-3-74, Cl. 122-6.00a.
Brunner, Donald A. Bed accessory. 3,829,907, 8-20-74, Cl. 5-8.000.
Brunner, Gustav, to Schmidt, Alfred, Ing., Firma. Snow plow. 3,795,068, 3-5-74, Cl. 37-43.00d.
Brunner, Heinrich, to Maschinenfabrik Wifag. Device for guiding printed paper webs from a printing machine. 3,809,303, 5-7-74, Cl. 226-197.000.
Brunner, John E., to Cincinnati Electronics Corporation, mesne. Periodic antenna adopted for handling high power. 3,808,599, 4-30-74, Cl. 343-792.500.
Brunner, Julius; Schwendtner, Manfred; and Steinmuller, Gunter, to Siemens Aktiengesellschaft. Mark-space modulator for a time-division multiplier. 3,818,206, 6-18-74, Cl. 235-194.000.
Brunner, Julius, to Siemens Aktiengesellschaft. Perforated-tape reader drive system. 3,855,513, 12-17-74, Cl. 318-561.000.
Brunner, Mathias: *See*—
Nopper, Peter; Zumbach, Heinz; and Brunner, Mathias, 3,815,017.
Brunner, Mathias, to Zumbach Electronic Automatic. Device for measuring the position of a conductor in a cable. 3,797,121, 3-19-74, Cl. 33-174.00q.
Brunner, Richard G., to Allis-Chalmers Corporation. Frequency-sensitive resistor and electrical transmission system embodying such resistor. 3,806,841, 4-23-74, Cl. 333-81.00r.
Brunner, Rudolf; and Zenker, Siegfried, to Heilmeier & Weinlein Fabrik fur Oel-Hydraulik A KG (Kommandit-Gesellschaft). Slide valve for hydraulic pressure systems. 3,820,568, 6-28-74, Cl. 137-625.680.
Brunning, Elmer Eugene; Grover, Donald P.; Schild, Manfred; and Nickelson, Robert William, to Sunbeam Corporation. Stair holding device for vacuum cleaner. 3,820,808, 6-28-74, Cl. 280-80.00r.
Brunnmueller, Friedrich; Schatz, Hermann; Mayer, Johann; and Grabowsky, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Continuous manufacture of amino resin solutions. 3,816,376, 6-11-74, Cl. 260-69.00r.
Bruno, Anthony I. Pumping units for cyclonic elevator. 3,857,651, 12-31-74, Cl. 417-171.000.
Bruno, Gerald A.: *See*—
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Bruno, Joseph S.: *See*—
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Bruno, Marshall J.; Jarrett, Noel; and Slaugenhaupt, Burl L., to Aluminum Company of America. Treatment of molten aluminum with an impeller. 3,849,119, 11-19-74, Cl. 75-68.00r.
Bruno, Onofrio P. Delaying arm fuze principle. 3,782,289, 1-1-74, Cl. 102-76.000.
Bruno, Robert Peter; and Naugler, Albert Winston, to Honeywell Inc. Cooling apparatus for infrared detectors. 3,836,779, 9-17-74, Cl. 250-352.000.
Brunone, Peter P., to Veeder Industries, Inc. Fluid delivery control system. 3,811,035, 5-14-74, Cl. 235-92.0fl.
Bruns, Carl Newton, to Stauffer Chemical Company. Paste type organopolysiloxane composition and fabrics coated therewith. 3,791,998, 2-12-74, Cl. 260-2.50s.
Bruns, Eilert F., to U.S. Industries, Inc. Automatic centering reel for coil stock. 3,811,638, 5-21-74, Cl. 242-78.600.
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Bruns, James A., to Goodyear Tire & Rubber Company, The. Transmission belt structure. 3,830,113, 8-20-74, Cl. 74-231.00c.
Brunsch, Gunter, to Siemens Aktiengesellschaft. Optoelectric signal coupler. 3,810,034, 5-7-74, Cl. 330-59.000.
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Brunton, Donald C.; and Soltesz, Carl R., to Infra Systems, Inc. Method and apparatus for measurement of sheet opacity. 3,790,796, 2-5-74, Cl. 250-339.000.
Brunton, Donald C.; and Huffman, Frank E., to Infra Systems, Inc., by City National Bank & Trust Company of Columbus, executor of Donald C. Brunton, deceased. Oscilloscope presentation of sheet profile from a scanning gage. 3,840,302, 10-8-74, Cl. 356-167.00.
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Bruwasser, Herman, to GAF Corporation. Indicia receiving matte sheet materials having an outermost antistatic layer. 3,857,729, 12-31-74, Cl. 117-73.000.
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Bryan, Don S. Prepared citrus fruit halves and method of making the same. 3,851,067, 11-26-74, Cl. 426-90.000.
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Noiles, Douglas G.; and Bryan, Graham W., 3,819,100.
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Bryan, James W. Slide closure cosmetic stick dispenser casing. 3,810,700, 5-14-74, Cl. 401-59.000.
Bryan, John, and Hart, Frederick Harry, to Pilkington Brothers Limited. Welded multiple glazing units. 3,824,088, 7-16-74, Cl. 65-40.000.
Bryan, John F., Jr. Dynamic load increasing automobile bumper. 3,791,468, 2-12-74, Cl. 180-1.0fv.
Bryan, John F., Jr., to Trakwork Equipment Company. Track welding system. 3,802,348, 4-9-74, Cl. 104-15.000.
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Bryant, Cameron C. Wellpoint system. 3,785,750, 1-15-74, Cl. 417-211.500.
Bryant, Cameron C. Apparatus for the automatic regulation of the flow of fluid. 3,815,626, 6-11-74, Cl. 137-432.000.
Bryant, Charles Brate. Telescopic belt tightener. 3,832,910, 9-3-74, Cl. 74-242.14r.
Bryant, Delores. Article of clothing including a combined belt and suspender arrangement. 3,784,987, 1-15-74, Cl. 2-310.000.
Bryant, Donald R. Construction apparatus. 3,806,076, 4-23-74, Cl. 249-20.000.
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Bryant, Frank Allan, to Offshore Company, The. Method and apparatus for damping wave action. 3,803,849, 4-16-74, Cl. 61-1.00r.
Bryant, Gerald T.; and Mayfield, James L., to Airco, Inc. Flame arresting vent valve. 3,841,520, 10-15-74, Cl. 220-88.00a.
Bryant, Jack A., to Electronics Corporation of America. Sensing apparatus. 3,794,812, 2-26-74, Cl. 235-61.11e.
Bryant, Joe E. Disposable protective shoe cover. 3,801,868, 4-2-74, Cl. 317-2.00b.
Bryant, Kenneth V.; and Eddleman, Bill W., Freeman, John A. Eddleman, Bill W.; trustee. Cleansing of dentures. 3,822,212, 7-2-74, Cl. 252-136.000.
Bryant, Paul M., to International Technical Industries. Pressure sensing and indicating system. 3,828,333, 8-6-74, Cl. 340-236.000.
Bryant, Richard C. Vehicle wiring adaptor. 3,849,664, 11-19-74, Cl. 307-10.0ls.
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Bryant, Robert G., to Gem Industries, Inc. Safety toe trip for crib drop sides. 3,857,122, 12-31-74, Cl. 5-100.000.
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Bryce, William Dean; and Street, Peter George, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Combustion devices. 3,817,690, 6-18-74, Cl. 431-350.000.
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Bryden, Norman E. Router overarm attachment. 3,783,915, 1-8-74, Cl. 144-134.00b.
Brydole, Robert, to Acme General Corporation. Hinge for door with hollow stile. 3,846,867, 11-12-74, Cl. 16-181.000.
Brydolf, Robert, to Acme General Corporation. Hinge for door with hollow stile. 3,846,868, 11-12-74, Cl. 16-181.000.
Bryers, Richard William; and Shenker, Jack David, to United States of America, Environmental Protection Agency. Fluidized bed heat exchanger. 3,823,693, 7-16-74, Cl. 122-2.00d.
Bryjak, Edmunt: *See*—
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Bryll, Medard Z., to Gateway Industries, Inc. Seat sensor safety system with improved switch sensor containing slip clutch coupling means. 3,784,769, 1-8-74, Cl. 200-52.00r
Brymer, Andrew E., Jr., to Owens-Illinois, Inc. Spring mounted charge drop guiding means. 3,792,992, 2-19-74, Cl. 65-303.000.
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Bryngdahl, Olof, to Xerox Corporation. Multiple image formation through self-imaging. 3,791,275, 2-12-74, Cl. 95-18.00r.
Bryngdahl, Olof, to Xerox Corporation. Self-imaging with an optical tunnel for image formation. 3,832,029, 8-27-74, Cl. 350-96.00t.
Brynko, Carl, to Reprographic Materials, Inc. Agglomeration of pigment particles and compositions utilizing same. 3,844,811, 10-29-74, Cl. 106-309.000.
Bryntse, Anders Ivar. Fork lift truck. 3,814,456, 6-4-74, Cl. 280-43.120.
Bryntse, Anders Ivar; and Berkestad, Karl Erik, to AB Bygg-Och Transportekonomi (BT). Multispeed hydraulic or pneumatic device. 3,824,897, 7-23-74, Cl. 91-411.00a.
Bryntse, Anders Ivar; and Berkestad, Karl Erik, to AB Bygg-Och Transportekonomi (BT). Multispeed hydraulic or pneumatic device. 3,828,650, 8-13-74, Cl. 91-411.00a.
Bryntse, Anders Ivar, to AB Bygg-Och Transportekonomi (BT). Side loading fork unit for lift trucks. 3,848,754, 11-19-74, Cl. 214-1.0bb.
Bryntse, Anders Ivar; and Berkestad, Karl Erik, to AB Bygg-Och Transportekonomi (BT). Valves for the pressure medium in hydraulic or pneumatic lifting devices. 3,853,300, 12-10-74, Cl. 251-120.000.
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Bryson, Millard C.; McKinney, Joel D.; Titmus, Robert A.; and White, Frederick K., to Gulf Research & Development Company. Process for cracking hydrocarbons containing residual oil. 3,785,959, 1-15-74, Cl. 208-120.000.

Bryson, Millard C.; McKinney, Joel D.; Titmus, Robert A.; and White, Frederick K., to Gulf Research & Development Company. Gasoline prepared from cracking hydrodesulfurized residual. 3,835,023, 9-10-74, Cl. 208-16.000.

Bryson, Robert A.: *See—*
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Grazen, Frank S.; Buike, Melvin L.; and Bryzinsky, Frank M., 3,857,811.

Brzezinski, Janusz. Digital readout instrument employing enablement circuits for system when under reading conditions. 3,785,207, 1-15-74, Cl. 73-362.0ar.

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Brzozowski, Steven J., to General Electric Company. Heat-pipe cooled power semiconductor device assembly having integral semiconductor device evaporating surface unit. 3,852,805, 12-3-74, Cl. 357-82.000.

Brzozowski, Zbigniew K.; Porejko, Stanislaw; Kaczorowski, Janusz; and Kielkiewicz, Jedrzej, to Politechnika Warszawska. Process for the manufacture of chemical resistant polyarylate films and coatings. 3,856,556, 12-24-74, Cl. 117-62.000.

Brzozowski, Zhigniew; Kusmierek, Jadwiga; and Porljko, Stanislaw, to Politechnika Warszawska. Fire protecting paints. 3,786,019, 1-15-74, Cl. 260-37.0ep.

BSR Limited: *See—*
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BTR Industries Limited: *See—*
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BTV Engineering Corporation: *See—*
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Groswith, Charles T., III; and Buan, Danilo P., 3,826,168.

Buan, Danilo P., to Velo-Bind, Inc. Hand operated multiple die punch. 3,808,933, 5-7-74, Cl. 83-588.000.

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Bub, Oskar; Friedrich, Ludwig; Hofmann, Hans-Peter; Kreiskott, Horst; and Zimmermann, Frank, to Knoll A.G. Chemische Fabriken. 1,5-Benzodiazepine derivatives. 3,847,905, 11-12-74, Cl. 260-239.30b.

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Bubik, Leslie, to Vulcan Equipment Company Ltd. Ramp hoist. 3,804,206, 4-16-74, Cl. 187-8.520.

Bubley, Henry J.; and Oltra, Claude H., to American Screen Printing Equipment Company. Takeoff apparatus. 3,792,857, 2-19-74, Cl. 271-85.000.

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Kurihara, Norman H.; and Bublitz, Donald E., 3,845,068.
Kurihara, Norman H.; and Bublitz, Donald E., 3,849,415.
Kurihara, Norman H.; and Bublitz, Donald E., 3,853,901.

Bublitz, Donald E., to Dow Chemical Company, The. N-(Trifluoromethyl- and trifluoromethylahalophenyl) maleimides. 3,850,955, 11-26-74, Cl. 260-326.5fm.

Bublitz, Donald E., to Dow Chemical Company, The. N-(alkylthiophenyl) maleimides. 3,853,912, 12-10-74, Cl. 260-326.50s.

Bublitz, Robert F.: *See—*
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Bubniak, William C.; Huellmantel, Louis W., and Mitchell, Harry R., to General Motors Corporation. Mass flow air meter. 3,817,099, 6-18-74, Cl. 73-199.000.

Bubniak, William C.; Huellmantel, Louis W.; and Mitchell, Harry R. Mass flow air meter. 3,818,933, 6-25-74, Cl. 137-503.000.

Bubula, Thomas J., to Caterpillar Tractor Company. Fluidic selector valve. 3,837,360, 9-24-74, Cl. 137-625.460.

Bucalo, Brian D. Method and apparatus for manufacturing toilet paper rolls. 3,791,266, 2-12-74, Cl. 93-1.00r.

Bucalo, Louis, to Investors In Ventures, Inc. Bacterial seals. 3,815,577, 6-11-74, Cl. 128-1.00r.

Bucalo, Louis, to Investors In Ventures, Inc. Method of inserting emplant into a portion of a tubular organ whose mucous lining has been partially removed. 3,815,578, 6-11-74, Cl. 128-1.00r.

Bucalo, Louis, to Investors in Ventures, Inc. Implanting method. 3,826,241, 7-30-74, Cl. 128-1.00r.

Bucalo, Louis, to Investors in Ventures, Inc. Devices for controlling fluid flow in living beings. 3,831,584, 8-27-74, Cl. 128-1.00r.

Bucalo, Louis, to Shods, Inc. Horseshoes. 3,841,408, 10-15-74, Cl. 168-7.000.

Bucalo, Louis, to Microbyx Corporation. Method and device for testing for the presence of micro-organisms. 3,842,166, 10-15-74, Cl. 424-9.000.

Bucalo, Louis, to Investors in Ventures, Inc. Valve with means for promoting ingrowth of tissue. 3,848,578, 11-19-74, Cl. 128-1.00r.

Bucalo, Louis, to Investors In Ventures, Inc. Implant methods and devices for influencing body fluid. 3,853,116, 12-10-74, Cl. 128-1.00r.

Bucalo, Louis, to Investors in Ventures, Inc. Female contraceptive devices. 3,854,475, 12-17-74, Cl. 128-130.000.

Bucaria, Frank P. Hair bleach containing a thiocyanate catalyst. 3,823,231, 7-9-74, Cl. 424-62.000.

Buccellato, Anthony: *See—*
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Bucci, Robert. Making seamless tubing by continuous process. 3,844,332, 10-29-74, Cl. 164-70.000.

Buccicone, Dario, to Bucciconi Engineering Co., Inc. Magnetic rail conveyor. 3,782,529, 1-1-74, Cl. 198-41.000.

Buccicone, Dario, to Bucciconi Engineering Co., Inc. Vacuum belt-type conveyor. 3,799,541, 3-26-74, Cl. 271-197.000.

Buccicone, Dario, to Bucciconi Engineering Co., Inc. Magnetic rail type conveyor unit. 3,847,269, 11-12-74, Cl. 198-41.000.

Buccicone, Velio S., to Bucciconi Engineering Co., Inc. Sheet piler. 3,799,540, 3-26-74, Cl. 271-189.000.

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Lang, David M.; and Weston, Warren B., 3,805,463.
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Buisson, Marc Francois Bernard; Foure, Claude Desire; Lacroix, Armand Jean-Baptiste; Quillevere, Herve Alain; and Rousseau, Gilbert James, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Injectors for injecting a liquid, in particula a fuel, into a high temperature space such as a combustion chamber. 3,841,565, 10-15-74, Cl. 239-488.000.

Buisson, Marcel, to Societe d'Etudes et Realisations de Complexes Industriels Divers Impasse des Ventes Marsauceux. Method and device for discharging rubbish and waste through pneumatic ducts. 3,853,355, 12-10-74, Cl. 302-2.00r.

Buisson, Michel A., and Repiquet, Gerard P., to Naphtachimie Societe Anonyme. Heat and flame resistant polyurethanes. 3,838,109, 9-24-74, Cl. 260-77.5aq.

Bujas, Roko: *See*—
Boutaine, Jean-Louis; Bujas, Roko; and Tortel, Jean, 3,824,396.

Bukac, Zbynek; and Sebenda, Jan, to Ceskoslovenska Akademie ved. Preparing polyamides by anionic polymerization of lactams. 3,843,608, 10-22-74, Cl. 260-78.001.

Bukalo, Alfred Iosifovich: *See*—
Paton, Boris Evgenievich; Lakomsky, Victor Iosifovich; Melnik, Gary Alexandrovich; Chvertko, Anatoli Ivanovich; and Bukalo, Alfred Iosifovich, 3,849,584.

Bukama GmbH: *See*—
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Lange, Wilfried, 3,795,357.
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Bukvich, John T.: *See*—
Wennerberg, Arnold N.; and Bukvich, John T., 3,817,874.

Bulat, Thomas J.: *See*—
Sollami, Blase J.; Bulat, Thomas J.; and Dray, Walter L., 3,800,552.

Bulatov, Alexandr Alexandrovich; and Chesnokov, Albert Ivanovich. Bedplate with drive mechanism for installing process units of automatic processing line. 3,803,944, 4-16-74, Cl. 74-665.00f.

Bulger, Joseph J.: *See*—
Rempel, Robert H.; and Bulger, Joseph J., 3,831,158.

Bulharowski, John Francis, to GTE Sylvania Incorporated. Film frame position detector. 3,809,807, 5-7-74, Cl. 178-7.200.

Bulin, Edward G., to Webster Electric Company, Inc. Method of encapsulating electrical equipment. 3,795,725, 3-5-74, Cl. 264-71.000.

Bulin, Edward G., to Webster Electric Company, Inc. Method of encapsulating electric equipment. 3,825,639, 7-23-74, Cl. 264-72.000.

Bulin, Shelly A., to Case, J. I., Company. Drain tube valve. 3,799,186, 3-26-74, Cl. 137-204.000.

Bulk Liner Corporation: *See*—
Clarke, Edwin E.; and Florig, Albert J. (said Clarke assor. to), 3,819,070.

Bulk Unit Load Systems Limited: *See*—
Snape, George W., 3,854,612.

Bulkley, Clifford T.; and Shaw, David N., to Dunham-Bush, Inc. Compressor crank case venting arrangement for eliminating lube oil carryover. 3,844,688, 10-29-74, Cl. 417-313.000.

Bulkley, Clifford T., to Dunham-Bush, Inc. Energy recovery system for oil injected screw compressors. 3,856,493, 12-24-74, Cl. 62-401.000.

Bulkley, Dewey. Moving artistic display device. 3,800,451, 4-2-74, Cl 40-34.000.

Bull, Alan D.: *See*—
Crowell, John A.; and Bull, Alan D., 3,822,723.

Bull, Brian S.: *See*—
Proni, Oscar; and Bull, Brian S., 3,812,707.

Bull, Brian S., to Coulter Electronics, Inc. Method for sedimentation study. 3,824,841, 7-23-74, Cl. 73-61.400.

Bull, Brian S., to Coulter Electronics, Inc. Centrifuge apparatus for sedimentation study. 3,848,796, 11-19-74, Cl. 233-25.000.

Bull, Brian S.; Proni, Oscar; and Melnick, Loran V., to Coulter Electronics, Inc. Centrifuge for preparing platelet rich plasma. 3,850,369, 11-26-74, Cl. 233-26.000.

Bull, Charles Hartley, to Brown, David, Tractors Limited. Power steering mechanisms. 3,805,910, 4-23-74, Cl. 180-79.20r.

Bull, Dale L.: *See*—
Miller, Gerald K.; Bull, Dale L.; and Rautiola, Norman A., 3,819,891.
Miller, Gerald K.; Bull, Dale L.; and Rautiola, Norman A., 3,858,176.

Bull, Ivor H., to Westinghouse Brake and Signal Company, Limited. Braking condition indicator for rapid transit trains. 3,838,272, 9-24-74, Cl. 246-169.00r.

Bull, Robert. Rollaway truck door. 3,806,187, 4-23-74, Cl. 296-137.00b.

Bull, Walter E., to Power Regulator Company, The. Pneumatic delivery system. 3,807,655, 4-30-74, Cl. 243.025.000.

Bull, Willard C.; and Schmid, Bruce K., 1/2 to Pittsburgh and Midway Coal Mining Co., The, mesne and 1/2 to United States of America, Interior, mesne. Process for refining carbonaceous fuels. 3,808,119, 4-30-74, Cl. 208-8.000.

Bull, Willard E.: *See*—
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Bullai, Carl N.: *See*—
Krutsinger, Jack K.; Bullai, Carl N.; and Munson, Robert E., 3,810,183.

Bullard, Alvan H.; and Calder, William, III, to Foxboro Company, The. Process control system for hazardous areas. 3,845,356, 10-29-74, Cl. 317-20.000.

Bullard, Calvin Penfield, to Armflex, Inc. Work transfer apparatus. 3,841,499, 10-15-74, Cl. 214-1.0bd.

Bullard Company, The: *See*—
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Bullard, E. D., Comapny: *See*—
Rose, Anthony F.; and Altizio, Tony L., 3,805,294.

Bullard, E. D., Company: *See*—
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Bullard, Edward M.; and Schard, Malcolm P., to Mobil Oil Corporation. Resinous blend and oriented shrink film comprising polypropylene, polybutene and ethylene/butene copolymer. 3,849,520, 11-19-74, Cl. 260-897.00a.

Bullard, Haran W., to United States Steel Corporation. Manipulator 3,782,162, 1-1-74, Cl. 72-250.000.

Bullard, Haran W. Hopper door operating and locking mechanism. 3,789,772, 2-5-74, Cl. 105-240.000.

Bullard, Herbert L.: *See*—
Osborn, Robert A.; St. Cyr, David R., and Bullard, Herbert L., 3,784,530.

Bullard, Herbert L.; St. Cyr, David R., and Osborn, Robert A., to Goodyear Tire & Rubber Company, The. Pressure sensitive adhesive compositions comprising rubber and a resinous interpolymer. 3,846,352, 11-5-74, Cl. 260-5.000.

Bullard, Raymond S.: *See*—
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Bullard, Russell H.: *See*—
Zipser, David Bernard; and Bullard, Russell H., 3,786,862

Bullard, Russell H.; Lloyd, Robert M., and Zipser, David B., to Singer Company, The. Split fin heat exchange unit. 3,815,672, 6-11-74, Cl. 165-151.000.

Buller-Colthurst, Guy Edward: *See*—
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Bullinger, David John. Trailer auxiliary hydraulic brake system. 3,834,767, 9-10-74, Cl. 303-7.000.

Bullinger, David John. Infantry attack vehicle with resilient armor. 3,848,508, 11-19-74, Cl. 89-36.00h.

Bullis, Robert H.: *See*—
Brown, Robert T.; Bullis, Robert H.; Churchill, Thomas L.; Hall, Robert J.; Lary, Edmund C.; Nighan, William L., III; and Schulman, Elliot R., 3,811,057.

Bullmann, Rolf: *See*—
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Bulloch, Carl Gordon, Jr. Method of making foam cushions. 3,818,560, 6-25-74, Cl. 29-91.100.

Bullock, David C.: *See*—
Epstein, David J.; and Bullock, David C., 3,831,154.

Bullock, Edward K., to Polaroid Corporation. Printing system employing an ink web. 3,820,457, 6-28-74, Cl. 101-244.000.

Bullock, Greg A., to Du Pont de Nemours, E. I., and Company. Nitro ethyl sulfones. 3,792,093, 2-12-74, Cl. 260-607.00a.

Bullock, John, to Arrow-Hart, Inc. Circuit breaker. 3,792,403, 2-12-74, Cl. 337-66.000.

Bullock, Kenneth W., to Marine Construction & Design Co., mesne. Shrimp cleaning machine. 3,816,877, 6-18-74, Cl. 17-73.000.

Bullock, Milon Walker: *See*—
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Bullock, Norman J., to Cissell, W. M., Manufacturing Company. Garment finishing apparatus. 3,805,561, 4-23-74, Cl. 68-5.00e.

Bullock, Thomas B.: *See*—
Simon, James B.; and Bullock, Thomas B., 3,798,430.

Bullough, William Alan. Combined viscosity pump and electric motor. 3,794,447, 2-26-74, Cl. 417-356.000.

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Bulteau, Gerard C., to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. Methods of treating cholesterolemia. 3,790,681, 2-5-74, Cl. 424-311.000.

Bultemann, Hans-Joachim: *See*—
Brunnee, Curt; and Bultemann, Hans-Joachim, 3,787,681.

Bultemann, Hans-Joachim. Device for separating mixtures of gaseous and/or vaporous substances, especially for separation of a carrier gas in devices for gaschromatography. 3,815,340, 6-11-74, Cl. 55-392.000.

Bulten, Eric Jan, to Cosan Chemical Corporation, mesne. Preparation of monohydrocarbyl tin trihalides. 3,824,264, 7-16-74, Cl. 260-429.700.

Bulters, Hein; Heidemann, Gerrit; and DePutter, Warner Jan, to Industriele Onderneming Wavin N.V. Process and installation for manufacturing fiber reinforced sandwich tube. 3,799,818, 3-26-74, Cl. 156-62.200.

Bulvestre, Gerard: *See*—
Brun, Jean-Pierre; Bulvestre, Gerard; Juillou, Michel; Thirion, Pierre; and Pautrat, Rene, 3,819,742.

Bum, Nicolaas, to Medische Faculteit Rotterdam. Heart examination by means of ultrasound waves. 3,789,833, 2-5-74, Cl. 128-2.00v.

Bumb, Frank C., Jr., to California Data Machines. Tape transport dual reel drive from single capstan. 3,782,659, 1-1-74, Cl. 242-201.000.

Bump, David W.: *See*—
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Bump, Donald D.: *See*—
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Bumpstead, John, to Anthony Manufacturing Corporation. Part circle sprinkler. 3,782,638, 1-1-74, Cl. 239-242.000.

Bumpus, Ward H.; and Brehm, Justin, to Fasco Industries, Inc. Infrared heater and ventilator unit. 3,786,233, 1-15-74, Cl. 219-343.000.

Bumueller, Hermann Karl. Articulated vehicle. 3,823,902, 7-16-74, Cl. 248-2.000.

Bunclark, Edward J.; Harrison, Warrington C.; and Forster, Eric O., to Esso Research and Engineering Company. Process for controlled curing of foams. 3,821,337, 6-28-74, Cl. 264-26.000.

Bundi, Herman H. Apparatus for constructing scaffolds. 3,804,199, 4-16-74, Cl. 182-82.000.

Bundo, Teruo, to Tokyo Yakuhin Kaihatsu Kabushiki Kaisha. Method of preparing a water-soluble powder containing active components from mineral spring waters of spas and product produced thereby. 3,817,308, 6-18-74, Cl. 159-48.00r.

Bundschuh, John J., to Eastman Kodak Company. Flexible strip threading guide. 3,802,615, 4-9-74, Cl. 226-91.000.

Bundschuh, John J.; and Goddard, William H. Viewing screen for motion picture projectors. 3,834,798, 9-10-74, Cl. 352-104.000.

Bundschuh, John J.; and Roman, Robert J., to Eastman Kodak Company. Cinematographic projectors of the like and cartridges for use therewith. 3,836,239, 9-17-74, Cl. 352-73.000.

Bundschuh, John J.; Roman, Robert J.; and Burndshuh, John J., to Eastman Kodak Company. Cinematographic projectors or the like and cartridges for use therewith. 3,856,234, 12-24-74, Cl. 242-189.000.

Bundus, Robert H.; and Noznick, Peter P., to Beatrice Foods Co. Production of puffed pork rinds snack food. 3,793,467, 2-19-74, Cl. 426-445.000.

Bundy, Francis P., to General Electric Company. Power generating plant with nuclear reactor/heat storage system combination. 3,848,416, 11-19-74, Cl. 60-644.000.

Bundy, Gordon L., to Upjohn Company; The. 15-Methyl and 15-ethyl 15(R) PGE_2. 3,804,889, 4-16-74, Cl. 260-514.00d.

Bundy, Gordon L., to Upjohn Company, The. 15-Methyl and ethyl-15(R)-$PGF_2\alpha$. 3,804,890, 4-16-74, Cl. 260-514.00d.

Bundy, Gordon L., to Upjohn Company, The. 15-Methyl and 15-ethyl dihydro-PGE_1. 3,812,172, 5-21-74, Cl. 260-468.00d.

Bundy, Gordon L., to Upjohn Company, The. 15-Methyl and ethyl PGE_2. 3,812,179, 5-21-74, Cl. 260-514.00d.

Bundy, Gordon L., to Upjohn Company, The. Natural 15-methyl and ethyl- 15-epi-PGE_1. 3,849,487, 11-19-74, Cl. 260-514.00d.

Bundy, John E., to Dunlop, Limited. Electric motor speed control systems. 3,783,360, 1-1-74, Cl. 318-327.000.

Bundy, Otto M.: *See*—
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Bungardt, Karl; Lehnert, Gunter; and Meinhardt Helmut W., to Deutsche Edelstahlwerke GmbH. Protective diffusion layer on nickel and/or cabalt-based alloys. 3,819,338, 6-25-74, Cl. 29-194.000.

Bunge, Richard H.: *See*—
French, James C.; Anderson, Lucia E.; Bunge, Richard H.; and Howells, John D., 3,795,668.

Bunger, David A., to Baldwin, D. H., Company. Voltage controlled chord organ. 3,789,718, 2-5-74, Cl. 84-1.010.

Bunger, David A., to Baldwin, D. H., Company. Monophic electronic music system with apparatus for special effect tone simulation. 3,801,721, 4-2-74, Cl. 84-1.190.

Bunger, David A., to Baldwin, D. H., Company. Multi-tone arpeggio system for electronic organ. 3,822,407, 7-2-74, Cl. 328-42.000.

Bunger, David A., to Baldwin, D. H., Company. Arpeggio system. 3,842,182, 10-15-74, Cl. 84-1 030.

Bunger, Richard E. Portable self-aligning wall forming apparatus. 3,790,321, 2-5-74, Cl. 425-63.000.

Bunger, Richard E. Portable slatted animal pen floor forming apparatus. 3,799,490, 3-26-74, Cl. 248-18.000.

Bunger, Richard E. Livestock watering trough. 3,841,268, 10-15-74, Cl. 119-73.000.

Bunger, Richard E. Apron laying device for livestock feeding troughs. 3,841,778, 10-15-74, Cl. 404-105.000.

Bungs, Janis A.; and Stillman, Neil W., to Diamond Shamrock Corporation. Process for making foundry molds. 3,796,583, 3-12-74, Cl. 106-38.800.

Buning, Robert: *See*—
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Buning, Robert, to Dynamit Nobel Aktiengesellschaft. Cross-linked shaped objects of vinyl chloride polymers. 3,821,174, 6-28-74, Cl 260-80.710.

Bunish, Steve; and Landinger, Carl C., to Anaconda Company, The. High voltage cable system free from metallic shielding. 3,794,752, 2-26-74, Cl. 174-115.000.

Bunish, Steve; and Faulkner, Joseph W., to Anaconda Company, The. Grounded power cable. 3,800,065, 3-26-74, Cl. 174-115.000.

Bunk, Albert R.: *See*—
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Bunk, Albert R.; and Bennett, Bailey, to Shatterproof Glass Corporation. Sealing element and composition. 3,846,370, 11-5-74, Cl. 260-42.360.

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Bunker Ramo Corporation: *See*—
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Bunn, Clinton O., to Col-Mont Corporation. Method of and apparatus for the recovery of oil from water 3,783,129, 1-1-74, Cl. 210-30.000.
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Bunnell, Edward Dennman; and Parsons, Stuart L., to AMP Incorporated. Snap switch actuator. 3,828,151, 8-6-74, Cl. 200-67.0da.

Bunnell, Edward Dennman, to AMP Incorporated. Molded plastic bundle tie. 3,837,047, 9-24-74, Cl. 24-16.0pb.

Bunshah, Rointan F., to University of California, The Regents of the. High rate deposition of carbides by activated reactive evaporation. 3,791,852, 2-12-74, Cl. 117-93.200.

Bunten, Theodore M., to Repco Products Corporation. Terminal box for underground conductors. 3,796,820, 3-12-74, Cl. 174-38.000.

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Buntin, Robert R.; Keller, James P.; and Harding, John W., to Exxon Research and Engineering Company. Non-woven mats by melt blowing. 3,849,241, 11-19-74, Cl. 161-169.000.

Bunting, Eugene N. Motor speed control device. 3,800,200, 3-26-74, Cl. 318-228.000.

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Buntyn, Tom C. Combination multiple purpose campers folding cot and portable pack frame. 3,822,422, 7-9-74, Cl. 5-114.000.

Bunyan, Thomas Walter. Engines, pumps and motors. 3,855,903, 12-24-74, Cl. 91-480.000.

Bunyard, Alan Donald. Air cylinder. 3,835,753, 9-17-74, Cl. 92-85.000.

Bunyard, Alan Donald, to Norbro Pneumatics Limited. Valve. 3,851,658, 12-3-74, Cl. 137-102.000.

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Burba, Christian; and Griebsch, Eugen, to Schering Aktiengesellschaft. Method for preparing polyesters by the polymerization of epsilon caprolactones. 3,816,511, 6-11-74, Cl. 260-484.00a.

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Burch, Darrell E.; Gryvnak, David A.; and Pembrook, John D., to Philco-Ford Corporation. Dual cell non-dispersive gas analyzer. 3,793,525, 2-19-74, Cl. 250-343.000.

Burch, Darrell E.; Gates, Francis J.; Gryvnak, David A.; and Pembrook, John D., to Philco-Ford Corporation. Light beam alternator having a single rotating mirror. 3,813,146, 5-28-74, Cl. 350-285.000.

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Burch, James Morriss; Wilton, Raymond John; Reid, Colin David; and Wall, Michael Richard, to Holotron Corporation, mesne. Method of and apparatus for detecting surface form irregularities. 3,823,604, 7-16-74, Cl. 73-71.300.

Burch, John L., to United States of America, National Aeronautics and Space Administration. Automatically operable self-leveling load table. 3,853,075, 12-10-74, Cl. 108-136.000.

Burch, Nathan L.; and Tapia, Leonard G., said Tapia assor. to Bell & Howell Company. Method of making a ferrite head. 3,824,685, 7-23-74, Cl. 29-603.000.

Burchall, Malcolm Arthur; Copplestone, Donald Sydney; Crowe, John Edward; Brand, Norman James; Bland, Ian Robert; Cryer, Terence Frederick; and Thompson, Robert Stuart. Power supply devices. 3,840,798, 10-8-74, Cl. 321-2.000.

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Burchett, Paul James. Tension adjusting device for sports racket strings. 3,837,649, 9-24-74, Cl. 273-73.00a.

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Burckhardt, Carl, to Crystalon S.A. Link construction for a crystal pendant. 3,820,201, 6-28-74, Cl. 24-87.00r.

Burckhardt, Christoph Benedikt; and Grandchamp, Pierre Andre, to Hoffmann, Heinz and Hoffmann-La Roche Inc. Echo sounding technique. 3,836,948, 9-17-74, Cl. 340-1.00r.

Burckhardt, Manfred H.; Krohn, Hellmut; Grossner, Horst; and Florus, Hans-Jorg, to Daimler-Benz Aktiengesellschaft. Brake-force control system for vehicles, especially motor vehicles. 3,791,702, 2-12-74, Cl. 303-21.0be.

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Burdick, Robert E.; and Wolf, Baxter K., to Rolair Systems Inc. Transporter with built-in distribution and damping. 3,796,279, 3-12-74, Cl. 180-124.000.

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Burdick, Robert E., to Rolair Systems, Inc. Retractable guide mechanism. 3,829,116, 8-13-74, Cl. 280-43.230.

Burdick, Robert E.; Baker, Terry M.; and Wolfe, Baxter K., to Rolair Systems, Inc. Automated assembly line with air cushion devices. 3,831,525, 8-27-74, Cl. 104-23.0fs.

Burdick, Robert E., to Rolair Systems, Inc. Rotatable building structure having fluid bearings. 3,855,755, 12-24-74, Cl. 52-65.000.

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Burford, Bruce Alfred, to Simpson Pope Limited. Height-adjustable griller. 3,853,113, 12-10-74, Cl. 126-41.00e.

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Burg, Karlheinz; and Schlaf, Helmut, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for producing homo- and compolymers of cyclic acetals. 3,848,020, 11-12-74, Cl. 260-823.000.

Burg, Robert J.; Lieberman, Milton; and Fiorenza, Armand A., said Lieberman assor. to Tube, Gordon, Products Company, Inc. Structural system. 3,834,549, 9-10-74, Cl. 211-148.000.

Burg, Stanley P.; and Hentschel, William J., to Dormavac Corporation, The, mesne. Low pressure storage of metabolically active material with open cycle refrigeration. 3,810,508, 5-14-74, Cl. 165-20.000.

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Burge, Anthony R., to Crosfield Business Machines Limited. Banding machines. 3,842,572, 10-22-74, Cl. 53-198.00r.

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Burge, Harland L.; and Rodewald, Newell C., to TRW Inc. Foam cooling and acoustic damping for internal combustion engines. 3,782,116, 1-1-74, Cl. 60-258.000.

Burge, Harland L.; Heckert, Bruce J.; and Rodewald, Newell C., to TRW Inc. Foam cooling and acoustic damping of exhaust gases produced by an internal combustion engine. 3,815,356, 6-11-74, Cl. 60-204.000.

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Burge, Theodor, to Sika AG. Aluminum sulfate and calcium sulfate additives for improving the quality of cement, mortar and concrete and method for the production of such improved products. 3,782,991, 1-1-74, Cl. 106-315.000.

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Burger, Hans, to Fischer, Georg, Aktiengesellschaft. Furnace-top distributor for shaft furnaces. 3,843,104, 10-22-74, Cl. 266-27.000.

Burger, Hurst, to Bowe, Bohler & Weber KG. Blower for vehicle-drying installation. 3,787,986, 1-29-74, Cl. 34-229.000.

Burger, Irvin E.; Ronvik, John Peter; and Walter, Kenneth F., to Sears, Roebuck and Co. Rear carrier for bicycle. 3,802,598, 4-9-74, Cl. 280-202.000.

Burger, Jack E.; Howe, Warren B.; and Kyle, William, to Addressograph-Multigraph Corporation. Reprography machine controlled by information of master. 3,804,005, 4-16-74, Cl. 101-2.000.

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Burger, Karl-Heinz; Hoffmann-Clewe, Manfred; and Schaper, Willi, to Bosch, Robert, G.m.b.H. Apparatus for wiping exposed convex surfaces of lenses on head lights of automotive vehicles or the like. 3,837,036, 9-24-74, Cl. 15-250.230.

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Burgers, August. Frame for covering a wall break-through intended to receive a door or the like. 3,808,758, 5-7-74, Cl. 52-212.000.

Burges, Albert. Foil sealed syringe. 3,789,844, 2-5-74, Cl. 128-235.000.

Burgeson, Oscar Burge, to Stanley Works, The. Hammer. 3,792,725, 2-19-74, Cl. 145-29.00r.

Burgess, Brian; and Thorp, Geoffrey Philip, to Imperial Metal Industries (Kynoch) Limited. Control systems for rocket motors. 3,786,993, 1-22-74, Cl. 239-265.190.

Burgess, Christopher George Venning: *See—*
Bond, Adrian Edward; Burgess, Christopher George Venning; and Martin, David Eric, 3,793,385.

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Burgess, James F.; and Neugebauer, Constatine A., to General Electric Company. Direct bonding of metals with a metal-gas eutectic. 3,854,892, 12-17-74, Cl. 29-196.100.

Burgess, James Patton; Polkinghorn, Melvin W.; and Brzozowski, Stephen J., to International Telephone and Telegraph Corporation. Lamp socket. 3,800,267, 3-26-74, Cl. 339-14.00r.

Burgess, John E.; Dieball, Kenneth C.; and Obrycki, Raymond F., to Searle, G. D., & Co. Radioactivity measuring device with a movable detector head. 3,855,473, 12-17-74, Cl. 250-328.000.

Burgess, Lester E.; and Brownstein, Ronald G., to Gulf & Western Industrial Products Company. Composite flexible armor. 3,813,281, 5-28-74, Cl. 161-159.000.

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Burgett, James F.; and Vanderberg, Lawrence J., to Ford Motor Company. Magnetic gauge circuit. 3,828,254, 8-6-74, Cl. 324-101.000.

Burgett, Lee W.; Ware, Chester D.; and Sanborn, Duane F., to Trane Company, The. Unitary air cooled centrifugal refrigeration water chiller. 3,857,253, 12-31-74, Cl. 62-289.000.

Burgett, Richard R.; and Holleboom, Bruce W., to General Motors Corporation. Air fuel ratio sensor. 3,844,920, 10-29-74, Cl. 204-195.00s.

Burggraf, Frederick, to General Electric Company. Impingement-convective cooling system. 3,844,343, 10-29-74, Cl. 165-109.000.

Burghardt, Edward Lewis. Slingshot-type device with elastic propulsion means. 3,857,379, 12-31-74, Cl. 124-20.00r.

Burghardt, Wolfgang; and Vom Orde, Hans-Otto, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of fibers from high molecular weight linear polyethylene terephthalate. 3,803,284, 4-9-74, Cl. 264-130.000.

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Burgin, Gerard. Carrier structure particularly for office equipment assembly. 3,786,934, 1-22-74, Cl. 211-182.000.

Burgin, Kermit H. Twin keel jet boat. 3,811,398, 5-21-74, Cl. 115-16.000.

Burgin, Luther B., to Burgin Electronic Grade Control, Inc. Slope control for paving machines. 3,782,844, 1-1-74, Cl. 404-84.000.

Burgin, Luther B. Slope control console. 3,816,937, 6-18-74, Cl. 33-366.000.

Burgoon, Jack L., to Scott & Fetzer Company, The. Vacuum cleaner with height adjustment. 3,822,436, 7-9-74, Cl. 15-354.000.

Burgos, D. Jose Soto. Coiled resilient ball. 3,817,520, 6-18-74, Cl. 273-58.00d.

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Burian, Paul. Hand operable long reach tool. 3,844,599, 10-29-74, Cl. 294-19.00r.

Burian, Paul D.; Impellizzeri, Julius S.; Cohen, Herbert; and Hahn, Steven, to Exercycle Corporation. Exercise control system. 3,802,698, 4-9-74, Cl. 272-57.00r.

Buriks, Rudolf S.: *See—*
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Burk, John L.; Duffy, Daniel M.; Hogan, Spurgeon G., Jr.; Larson, Russell H.; and McGilvray, Bruce L., to International Business Machines Corporation. Virtual memory system. 3,825,904, 7-23-74, Cl. 340-172.500.

Burk, John L.; Hogan, Spurgeon G., Jr.; Larson, Russell H.; and McGilvray, Bruce L., to International Business Machines Corporation. Virtual memory system. 3,829,840, 8-13-74, Cl. 340-172.500.

Burk, Robert L.; and Hotchkiss, Jack G. Coolant heated oven for use with vehicle engines. 3,809,059, 5-7-74, Cl. 126-19.500.

Burk, Robert L. Conditioned food transport container. 3,811,558, 5-21-74, Cl. 206-4.000.

Burk, Sanger M., Jr., to United States of America, National Aeronautics and Space Administration. Deployable flexible ventral fins for use as an emergency spin-recovery device in aircraft. 3,826,448, 7-30-74, Cl. 244-91.000.

Burkardt, Lohr A.; Finnegan, William G.; Odencrantz, Frederick K.; St. Amand, Pierre; and Stanifer, Charles, to United States of America, Navy. Pyrotechnic formulations for weather modification comprising a mixture of iodates. 3,802,971, 4-9-74, Cl. 149-19800.

Burke, Albert C. Auto arm rest. 3,843,196, 10-22-74, Cl. 297-417.000.

Burke Concrete Accessories, Inc.: *See—*
Collier, Thomas G., Jr., 3,784,313.
Holt, Jack A., 3,801,061.
Steffan, William J., 3,783,462.

Burke, Dennis A. Combination drafting instrument. 3,795,053, 3-5-74, Cl. 33-1.00b.

Burke, Errol J. Explosion-proof pole base means. 3,853,291, 12-10-74, Cl. 248-158.000.

Burke, George E., Jr.; Lemos, Walter G.; and Shippee, Dennis M., to Textron, Inc. Portable pneumatic fastener driving device with improved actuating mechanism. 3,784,077, 1-8-74, Cl. 227-8.000.

Burke, George K.; and Raines, Kenneth, to Burron Medical Products, Inc. Syringe adaptor for use with a wet/dry mixing vial. 3,796,218, 3-12-74, Cl. 128-272.000.

Burke, George K.; and Raines, Kenneth, to Burron Medical Products, Inc. Intravenous injection apparatus drip chamber having filter means and method of making same. 3,806,386, 4-23-74, Cl. 156-73.000.

Burke, George K., and Raines, Kenneth, to Burron Medical Products, Inc. One piece molded bottle band. 3,807,679, 4-30-74, Cl. 248-359.000.

Burke, Harold J., to General Motors Corporation. Shift lever bowl assembly. 3,848,478, 11-19-74, Cl. 74-484.000.

Burke, Harry Dennis, and Boswinkle, George, to Whirlpool Corporation. Reactor for continuous wet oxidation process. 3,844,948, 10-29-74, Cl. 210-152.000.

Burke, Hubert K.: *See—*
Eichelberger, Charles W.; and Burke, Hubert K., 3,801,820.

Burke, Hubert K., and Michon, Gerald J., to General Electric Company. Devices for sensing radiation. 3,836,773, 9-17-74, Cl. 250-211.00j.

Burke, James E., to Chicago Rawhide Manufacturing Company. Fluid seal having pumping elements and cooperating auxiliary lip. 3,807,743, 4-30-74, Cl. 277-134.000.

Burke, James P. Meat timer. 3,830,191, 8-20-74, Cl. 116-67.00r.

Burke, Jerry A., Jr.: *See—*
Davoud, John Gordon; and Burke, Jerry A., Jr., 3,798,908.

Burke, Jesse Haywood: *See—*
Pomerance, Joseph B.; and Burke, Jesse Haywood, 3,836,175.

Burke, Joseph E.: *See—*
Borom, Marcus P.; and Burke, Joseph E., 3,816,704.

Burke, Mary. Adjustable hinge structure for eyeglasses. 3,820,880, 6-28-74, Cl. 351-121.000.

Burke, Michael J.; Hendrickson, Kenneth E.; Mattson, Gary L.; and McNeil, William D., to International Business Machines Corporation. Sector scanning control system. 3,831,076, 8-20-74, Cl. 318-627.000.

Burke, Nelson W., to Honeywell Inc. Bidirectional line driver-receiver circuit. 3,843,834, 10-22-74, Cl. 178-58.00a.

Burke, Noel I.; and Coleman, Harold R., to Tee-Pak, Inc. Preparation of viscose. 3,835,113, 9-10-74, Cl. 260-216.000.

Burke, Oliver W. Silica pigment and elastomer-silica pigment masterbatches and production processes relating thereto. 3,840,382, 10-8-74, Cl. 106-288.00b.

Burke, Oliver W., Jr., to Esso Research and Engineering Company. Aqueous latices of high polymer compositions and means for producing same. 3,815,655, 6-11-74, Cl. 159-165.000.

Burke, Oliver W., Jr. High polymer latices and methods and means for producing same. 3,835,061, 9-10-74, Cl. 252-359.00a.

Burke, Oliver W., Jr. Aqueous latices of high polymer compositions and processes and means for producing same. 3,844,329, 10-29-74, Cl. 159-6.00r.

Burke, Oliver W., Jr. Silica pigments and preparation thereof. 3,855,394, 12-17-74, Cl. 423-339.000.

Burke, Patrick Michael, to Du Pont de Nemours, E. I., and Company. Methylolphosphoric triamides. 3,855,288, 12-17-74, Cl. 260-551.00p.

Burke, Raymond William, to Beckman Instruments, Inc. Mechanical positioning device for precisely determining a series of mechanical locations. 3,834,243, 9-10-74, Cl. 74-33.000.

Burke, Richard L., to Colgate-Palmolive Company. Cleanser compositions containing both oxidizing and reducing agents. 3,827,868, 8-6-74, Cl. 51-308.000.

Burke, Robert F.: *See—*
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Burke, William R.: *See—*
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Burke, William R.; McCall, Frank S.; Clark, Kenneth G.; De Pass, Ernest T.; and Friend, William H., to Union Camp Corporation. Method and apparatus for the continuous manufacture of collapsible cellular partitions. 3,809,593, 5-7-74, Cl. 156-257.000.

Burkel, Rainer; and Scheyhing, Hans, to Bosch, Robert, G.m.b.H. Apparatus for electrical determination of differential speed of two rotating members. 3,809,956, 5-7-74, Cl. 317-6.000.

Burkert, Edward F.; and Guinn, Paul A., to Freeman Supply Company, The. Process for making soluble cores. 3,857,435, 12-31-74, Cl. 164-36.000.

Burket, Richard A.; Fleer, Thomas P.; Smith, Carl A.; and Love, John J., to Emerson Electric Co. Combined pilot burner and thermocouple device. 3,814,634, 6-4-74, Cl. 136-218.000.

Burkett, Francis L.; and Lee, Richard J., to Dow Chemical Company, The. Packaging process. 3,792,144, 2-12-74, Cl. 264-96.000.

Burkett, Jamie L. Portable overhead post and rail splitter. 3,834,436, 9-10-74, Cl. 144-326.00r.

Burkhalter, Henri, to Bobst, J., & Fils SA. Device for kinematic connection. 3,817,156, 6-18-74, Cl. 93-36.00r.

Burkhard, Mahlon D.; and Peters, Richard W., to Industrial Research Products, Inc. Delta modulator having low-level random noise characteristic. 3,855,555, 12-17-74, Cl. 332-11.00d.

Burkhardt, Claus; Baichle, Karl; and Schnell, Hermann, to Bayer Aktiengesellschaft. Use of β-dicarbonyl compounds derived from cyclopentanone as additional accelerators for polyester moulding and coating masses. 3,794,695, 2-26-74, Cl. 260-863.000.

Burkhardt, Franz; and Hammacher, Konrad, to Hoffmann-La Roche, Inc. Device for displaying measured values. 3,829,771, 8-13-74, Cl. 324-96.000.

Burkhardt, James H., Jr.: *See—*
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Burkhardt, James W.: *See—*
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Burkhardt, Joseph A.; Ortloff, John E.; Loth, William D.; and Hickox, Robert E., to Esso Production Research Company. Offshore apparatus and installation technique. 3,798,915, 3-26-74, Cl. 61-46.500.

Burkhardt, Joseph A.; McLallen, Dewitt K., Jr.; and Childers, Thomas W., to Esso Production Research Company. Compartmented underwater equipment. 3,799,191, 3-26-74, Cl. 137-454.200.

Burkhart, Larry J., to Ohio Art Company, The. Toy spinning top. 3,785,081, 1-15-74, Cl. 46-66.000.

Burkhart, Merle K.: *See—*
Case, Cecil L.; Fell, Ferol S.; and Burkhart, Merle K., 3,857,298.

Burkhart, Merle K.; Fell, Ferol S.; and Case, Cecil L., to Hesston Corporation. Windrower having rear mounted overtop swingable tongue. 3,832,837, 9-3-74, Cl. 56-218.000.

Burkhart, Rolf: *See—*
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Burkholder, Robert Flohr: *See—*
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Burki, Hugues, to Societe Suisse pour l'Industrie Horlogere Management Services SA. Positioning arrangement for a rotating part in a timepiece. 3,857,236, 12-31-74, Cl. 58-59.000.

Burkin, Alfred Richard, to National Research Development Corporation. Deposition of copper. 3,844,763, 10-29-74, Cl. 75-.50a.

Burkin, Jury Alexandrovich: *See—*
Seleznev, Yury Emelyanovich; and Burkin, Jury Alexandrovich, 3,791,007.

Burkin, Jury Alexandrovich; and Seleznev, Jury Emelyanovich. Apparatus for making memory storage matrices. 3,831,253, 8-27-74, Cl. 29-203.00m.

Burkin, Jury Alexandrovich; and Seleznev, Jury Emelyanovich. Device for making digit winding loops in memory storage matrices. 3,833,994, 9-10-74, Cl. 29-203.0mm.

Burkin, Jury Alexandrovich; and Seleznev, Jury Emelyanovich. Mechanism for feeding and fixing magnetic cores in a memory matrix interweaving device. 3,846,893, 11-12-74, Cl. 29-203.0mm.

Burkin, Jury Alexandrovich; and Seleznev, Jury Emelyanovich. Device for piece-by-piece feeding and locking of cores strung in columns on wires. 3,849,859, 11-26-74, Cl. 29-203.0mm.

Burkin, Jury Alexandrovich; and Seleznev, Jury Emelyanovich. Mask for manufacturing memory matrices. 3,857,184, 12-31-74, Cl. 33-174.00g.

Burkland, Raymond A. Concrete building construction. 3,795,465, 3-5-74, Cl. 425-63.000.

Burkness, Donald C.; and Warlick, William W., Jr., to United States of America, Army. Serial code translator. 3,789,390, 1-29-74, Cl. 340-347.0dd.

Burkoth, Terry, to Syva Company. Photolytically activated coupling to polypeptides. 3,843,447, 10-22-74, Cl. 195-68.000.

Burks, David C.: *See—*
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Burland, Oliver J. Flashing signal light. 3,821,541, 6-28-74, Cl. 240-22.000.

Burleigh, Derek James Sutherland; and Hawkins, Brian Desmond, to Imperial Chemical Industries Limited. Cobalt oxide catalyst. 3,829,393, 8-13-74, Cl. 252-459.000.

Burleigh, John E.: *See—*
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Burleigh, Malcolm B., to Minnesota Mining and Manufacturing Company. Light-desensitizable imaging sheet. 3,799,779, 3-26-74, Cl. 96-82.000.

Burleigh, Malcolm B., to Minnesota Mining and Manufacturing Company. Polycyclic dyes. 3,819,664, 6-25-74, Cl. 260-356.000.

Burleson, Louis J. Fingerprint reproduction means. 3,830,195, 8-20-74, Cl. 118-31.500.

Burlet, Jean-Etienne, to Centre Technique Industriel dit. Institut Textile de France. Method of and apparatus for producing yarn. 3,855,772, 12-24-74, Cl. 57-58.950.

Burlington Industries, Inc.: *See—*
Acree, William L., 3,802,030.
Avery, William L., 3,810,101.
Bino, Charles F., 3,819,324.
Butler, Vaughn H., 3,823,582.
Crawford, William B., 3,802,031.
Estes, Lyle G., 3,802,035.
Flanders, Harry E., Jr., 3,824,778.
Griffin, Thomas Franklin, 3,784,427.
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Illman, Walter F.; Strandberg, Robert C.; and Beckner, Ernest R., 3,805,599.
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Burlis, Norbert W., to Sherwood Medical Industries Inc. Blood oxygenation device. 3,827,860, 8-6-74, Cl. 23-258.500.

Burlow, Stanley N., to Velsicol Chemical Corporation. Rodenticidal compositions and processes employing gelatinized amylaceous materials. 3,843,783, 10-22-74, Cl. 424-84.000.

Burmah Oil Trading Limited: *See—*
Elliott, John Scotchford; Jayne, Gerald John Joseph; Crook, Monty Frederick; and Harrington, Colin John, 3,813,341.
Elliott, John Scotchford; Crail, Ian Robert Henry; and Askew, Herbert Frank, 3,833,501.
Field, Peter Graham Spencer, 3,833,613.

Burmeister, Karl-Heinz, to Ipsen Industries International, Gesellschaft mit beschrankter Haftung. Radiating tube burner. 3,855,993, 12-24-74, Cl. 126-91.00a.

Burmeister, William W., to Sperry Rand Corporation. Multiaxes two cycle gimbal error corrector. 3,784,891, 1-8-74, Cl. 318-633.000.

Burmistrova, Tamara Petrovna; Bardina, Tatyana Alexandrovna; Galpern, Grigary Davidovich; Karaulova, Elena Nikolaevna; Luchai, Nonna Alexandrovna; Terpilovsky, Nikolai Nikolaevich; and Khitrik, Adolf Alexandrovich. Process for producing sulphoxides. 3,792,95, 2-12-74, Cl. 260-607.00a.

Burn, Joseph, to J. & H. Company. Apparatus for covering a pallet load with plastic film. 3,823,527, 7-16-74, Cl. 53-183.000.

Burndshuh, John J.: *See—*
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Burnel, Daniel: *See—*
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Burnell, Dennis G. A.; and Jahrstorfer, George W., to Chandler Evans Inc. Computer to manual changeover system. 3,820,323, 6-28-74, Cl. 60-39.28r.

Burnell, Hughie, to Kenrick, Archibald, & Sons Limited. Vehicle wheels. 3,854,516, 12-17-74, Cl. 152-415.000.

Burnell, Norman; and Potruch, Robert A., to Lumador Products Corporation. Breather cap with valve depressor. 3,811,006, 5-14-74, Cl. 174-135.000.

Burnerd, F., and Company Limited: *See—*
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Burness, Donald M.; and Silverman, Robert A., to Eastman Kodak Company. Hydrophilic-colloid silver halide emulsion hardened with a bisvinylsulfonyl compound. 3,841,872, 10-15-74, Cl. 96-67.000.

Burness, Donald M.; Haist, Grant M.; and King, James R., to Eastman Kodak Company. Incorporation of sulfonyl derivatives of isothiourea in light-sensitive elements. 3,844,788, 10-29-74, Cl. 96-61.00r.

Burnett, Alan, to Wickman Machine Tools Sales Limited. Slid control mechanisms for machine tools. 3,858,053, 12-31-74, Cl. 250-555.000.

Burnett Company, Ltd.: *See—*
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Burnett, David B.; Alston, Robert B.; and Lim, Frank H., to Texaco Inc. Secondary recovery using carbon dioxide and an inert gas. 3,811,501, 5-21-74, Cl. 166-252.000.

Burnett, David B., to Texaco Inc. Secondary recovery using carbon dioxide. 3,811,502, 5-21-74, Cl. 166-252.000.

Burnett, David B.; and Lim, Frank H., to Texaco Inc. Secondary recovery using mixtures of carbon dioxide and light hydrocarbons. 3,811,503, 5-21-74, Cl. 166-252.000.

Burnett, David B.; and Alston, Robert B., to Texaco Inc. Miscible flood process for oil recovery using a lean gas. 3,841,403, 10-15-74, Cl. 166-274.000.

Burnett, David B., to Texaco Inc. Single well oil recovery method using carbon dioxide. 3,841,406, 10-15-74, Cl. 166-305.00r.

Burnett, Frank: *See—*
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Burnett, Henry G.: *See—*
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Burnett, Jimmy D., to United States of America, Army. Propellant composition containing polymers of vinyl ferrocene. 3,813,307, 5-28-74, Cl. 149-19.910.

Burnett, John. Tiller controls for small boats. 3,797,441, 3-19-74, Cl. 114-172.000.

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Burnett, Ralph G., to Burnett Company, Ltd. Rope assembly. 3,854,767, 12-17-74, Cl. 294-74.000.

Burnett, Richard T., to Bendix Corporation, The. Self-purging brake actuator. 3,789,737, 2-5-74, Cl. 91-41.600.

Burnett, Richard T., to Bendix Corporation, The. Application adjuster for disc brake. 3,848,705, 11-19-74, Cl. 188-71.900.

Burnett, Robert L., to Chevron Research Company. Disproportionation of saturated hydrocarbons employing a catalyst that comprises platinum and tungsten. 3,856,876, 12-24-74, Cl. 260-676.00r.

Burnett, Ronald Cyril, to United Kingdom Atomic Energy Authority. Coated particle oxide fuel for nuclear reactors. 3,845,177, 10-29-74, Cl. 264-.500.

Burnett, Roy Clair, to General Signal Corporation. Circuit integrity checking means for audio signal circuit. 3,849,772, 11-19-74, Cl. 340-256.000.

Burnett, Wm. T., & Co., Incorporated: *See—*
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Burnham, Benjamin K., to Thayer, Inc. Folding stroller. 3,847,406, 11-12-74, Cl. 280-36.00b.

Burnham, Donald; Honeyball, Samuel Walter; Spooner, Michael; and Lobb, Daniel Richard, to Redifon Limited. Ground-based flight simulating apparatus. 3,784,742, 1-8-74, Cl. 178-7.880.

Burnham, Horace James, to Defence, The Secretary of State for. Retraction mechanism for a protruding part of a vehicle. 3,813,113, 5-28-74, Cl. 280-150.00r.

Burnham, John, to Hughes Aircraft Company. Solid dielectric capacitors and method. 3,854,980, 12-17-74, Cl. 117-61.000.

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Burnham, William L.; and Thomson, Kenneth W., to Eastman Kodak Company. Automatic rewind mechanism for motion picture projector. 3,815,983, 6-11-74, Cl. 351-124.000.

Burnhard, Fort; Lee, Thomas G.; and Schuster, John R., to McDonnell Douglas Corporation. Transpiration cooling structure. 3,793,861, 2-26-74, Cl. 62-315.000.

Burnier, Pierre H.; and Bricout, Daniel D., to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Method and apparatus assembly for supercooling of electrical devices. 3,795,116, 3-5-74, Cl. 62-56.000.

Burning, J. & J., Inc.: *See—*
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Burnitt, John E.: *See—*
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Burns, Bland Calvin. Vacuum sewage conveying with vacuum operated valve. 3,788,338, 1-29-74, Cl. 137-1.000.

Burns, Brian N. Strap cutter for leather and like material. 3,831,279, 8-27-74, Cl. 30-280.000.

Burns, Cameron A. Engine with radially reciprocal rotor mounted pistons. 3,841,279, 10-15-74, Cl. 123-43.00c.

Burns, Cecil M.: *See—*
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Burns, David C.: *See—*
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Burns, Harold S., to Electro Marine Corporation. Remote reading compass system. 3,825,911, 7-23-74, Cl. 340-198.000.

Burns, Harry Shaner: *See—*
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Burns, Henry C.; and McConnell, George C., to Chromalloy Pharmaceutical, Inc. Method for control of white muscle disease. 3,828,566, 8-13-74, Cl. 424-131.000.

Burns, Henry C.; and McConnell, George C., to Chromalloy Pharmaceutical, Inc. Method for control of white muscle disease. 3,829,566, 8-13-74, Cl. 424-131.000.

Burns Investment Corporation: *See—*
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Burns, Jerome Q.; and Green, William C., to Ocean Science & Engineering, Inc. Motion compensated crown block system. 3,791,628, 2-12-74, Cl. 254-172.000.

Burns, John T.: *See—*
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Burns, Joseph P.; Feltzin, Joseph; and Kuehn, Erich, to ICI America Inc. Non-linear polyesters from a dicarboxylic acid etherified diphenol and an alkoxylated polyhydroxy compound. 3,787,526, 1-22-74, Cl. 260-860.000.

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Burns, Kenneth S.; Ferment, George R.; and Waugh, Roger C., to Celanese Corporation. Process for the production of carbonaceous tapes. 3,818,082, 6-18-74, Cl. 264-29.000.

Burns, Louis O., to General Signal Corporation. Actuator unit. 3,788,194, 1-29-74, Cl. 91-386.000.

Burns, Oliver W.: *See—*
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Burns, Patrick, to Triplex Safety Glass Company Limited. Units for suspending glass between opposed bending dies. 3,846,110, 11-5-74, Cl. 65-273.000.

Burns, Richard H.: *See—*
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Burns, Richard H., to Bausch & Lomb Incorporated. Coiled spring mirror mount for optical stabilizer. 3,824,000, 7-16-74, Cl. 350-245.000.

Burns, Richard H.; Hosack, Donald R.; and Welker, Helmut, to Bausch & Lomb Incorporated. Measuring apparatus using the moire fringe concept of measurement. 3,833,303, 9-30-74, Cl. 356-169.000.

Burns, Richard H.; Engelbrecht, Orest; and Welham, Brian H., to Bausch & Lomb Incorporated. Jewelled stabilized optic cell. 3,848,960, 11-19-74, Cl. 350-16.000.

Burns, Richard W., to Hughes Aircraft Company. High power diode phase shifter. 3,790,908, 2-5-74, Cl. 333-31.00a.

Burns, Robert A., to Engelhard Minerals & Chemicals Corporation. Clay thixotrope for polyester resins and use thereof. 3,795,650, 3-5-74, Cl. 260-33.40r.

Burns, Robert G., to Pylon, Incorporated. Outdoor display device for sequentially displaying a series of panels. 3,824,721, 7-23-74, Cl. 40-32.000.

Burns, Robert V.; and Tarr, Lloyd A., to GTE Automatic Electric Laboratories, Incorporated. Selective D.C. isolation circuit. 3,798,470, 3-19-74, Cl. 307-252.00r.

Burns, Stephen J. X-ray source. 3,821,579, 6-28-74, Cl. 313-55.000.

Burns, William: *See—*
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Burns, William E.; and Taylor, Robin, to Interlake Inc. Transfer car arrangement. 3,788,499, 1-29-74, Cl. 214-16.40b.

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Busch, Albert L. Lavatory suspension implement. 3,801,996, 4-9-74, Cl. 4-187.00a.

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Bush, Billy Ross, to Preload Company, Inc., The. Scaffold and winding apparatus. 3,853,277, 12-10-74, Cl. 242-7.210.
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Bush, Stanley Edward; Lewis, Charles William; McKelvey, William John; Merwede, Donald Leiman; Roberge, Kenneth Joseph; and Saltus, George Edwin, to Bell Telephone Laboratories, Incorporated. Telephone distribution panel. 3,851,114, 11-26-74, Cl. 179-98.000
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Butler, Tony W., Jr. Wind and solar energy conversion system for multi-story buildings. 3,832,853, 9-3-74, Cl. 60-641.000.

Butler, Truman G. One-man truck-mounted camper. 3,833,253, 9-3-74, Cl. 296-23.0mc.

Butler, Vaughn H., to Burlington Industries, Inc. Assembly for both rotatably driving the suction draw-off tube and operating the slitter mechanism of a circular knitting machine. 3,823,582, 7-16-74, Cl. 66-147.000.

Butler, Walter J.: *See*—
Barron, Mark B.; and Butler, Walter J., 3,790,825.
Barron, Mark B.; and Butler, Walter J., 3,825,996.
Kurz, Bruno; Barron, Mark B.; and Butler, Walter J., 3,784,847.
Kurz, Bruno; Barron, Mark B.; and Butler, Walter J., 3,825,995.
Puckette, Charles M.; Smith, Donald A.; and Butler, Walter J., 3,787,852.
Puckette, Charles McD.; and Butler, Walter J., 3,819,953.
Puckette, Charles McD.; and Butler, Walter J., 3,857,101.

Butler, Walter J.; and Puckette, Charles McD., to General Electric Company. Recirculation mode analog bucket-brigade memory system. 3,810,126, 5-7-74, Cl. 340-173.0rc.

Butler, Walter J.; Barron, Mark B.; and Kurz, Bruno, to General Electric Company. Signal level shift compensation in charge-transfer delay line circuits. 3,819,954, 6-25-74, Cl. 307-221.00d.

Butler, William F., to Cutter Laboratories, Inc. Trocar-cannula. 3,831,814, 8-27-74, Cl. 222-81.000.

Butorac, John R., to Applied Power Industries, Inc. Vehicle service jack. 3,807,694, 4-30-74, Cl. 254-8.00b.

Butrova, Ekaterina Sergeevna: *See*—
Belyaev, Viktor Borisovich; Butrova, Ekaterina Sergeevna; Kiselev, Yury Vladimirovich; and Pozharskaya, Galina Tikhonovna, 3,829,733.

Butruille, Yves; and Mourlan, Jany, to Rhone-Poulenc S.A. Frame for a semi-permeable membrane assembly. 3,805,960, 4-23-74, Cl. 210-321.000.

Butsch, Richard L.; and Brezosky, Bernard J., to General Electric Company. Torsionally reinforced, skeletal support frame for plastic tubs. 3,811,746, 5-21-74, Cl. 312-228.000.

Butsch, Richard L., to General Electric Company. Impact protection for plastic tubs employing mold retention rib. 3,822,029, 7-2-74, Cl. 220-72.000.

Butsch, Richard L., to General Electric Company. Plastic tub wall alignment for dishwashing rack mounting. 3,834,784, 9-10-74, Cl. 312-350.000.

Butschek, Hans Albert: *See*—
Boss, Holm Diethard; and Butschek, Hans Albert, 3,834,279.

Butt, Gerald L., to Stewart-Decatur Security Systems, Incorporated. Locking and unlocking mechanism. 3,837,117, 9-24-74, Cl. 49-18.000.

Butt, Sheldon H.: *See*—
Ford, James A.; and Butt, Sheldon H., 3,810,754.

Buttaravoli, Philip M., to E-Med Corporation. Resuscitator. 3,809,079, 5-7-74, Cl. 128-145.700.

Butte, Walter A., Jr.: *See*—
Hollstein, Elmer J.; and Butte, Walter A., Jr., 3,812,148.

Butte, Walter A., Jr.; and Scudder, Philmore M., to Sun Research and Development Co. Nitrile process. 3,801,619, 4-2-74, Cl. 260-465.00c.

Butter, Karl; Kaufmann, Michael; and Dederra, Helmut, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Regeneratively cooled thrust gas generator construction and method of making same. 3,782,118, 1-1-74, Cl. 60-260.000.

Butter, Karl, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Arrangement of cooling channels for rocket engine combustion chambers. 3,798,902, 3-26-74, Cl. 60-260.000.

Butter, Karl, Tuscher, Otto; and Christl, Manfred, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Regeneratively cooled rocket combustion chamber with slots between cooling channels. 3,832,847, 9-3-74, Cl. 60-267.000.

Butter, Karl, and Knauer, Kuno, to Masserschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Regeneratively cooled rocket combustion chamber and thrust nozzle assembly. 3,835,644, 9-17-74, Cl. 60-267.000.

Butter, Stephen A.: *See*—
Whitehurst, Darrell D.; Butter, Stephen A.; and Rodewald, Paul G., 3,793,185.

Butter, Stephen Alan: *See*—
Whitehurst, Darrell Duayne; Butter, Stephen Alan; and Rodewald, Paul Gerhard, Jr., 3,791,968.

Butterell, Robin Darker: *See*—
Hill, Thomas Bernard; and Butterell, Robin Darker, 3,817,183.

Butterfield, Delwin W. Solar heating system. 3,799,145, 3-26-74, Cl. 126-271.000.

Butterfield, Donald B.; and Marchetti, Albert A., to AMBAC Industries, Incorporated. Fuel injection nozzle. 3,836,080, 9-17-74, Cl. 239-96.000.

Butterfield, James F. Stereo television microscope. 3,818,125, 6-18-74, Cl. 178-6.500.

Butterfield, John L.; and Gathers, Glen E., to General Electric Company. Liquid transfer assembly for a liquid cooled dynamoelectric machine. 3,800,174, 3-26-74, Cl. 310-61.000.

Butterfield, John L.; and Wenzel, James L., to General Electric Company. Feedthrough electrical terminal for hollow liquid cooled shaft of a dynamoelectric machine. 3,850,501, 11-26-74, Cl. 339-263.00r.

Butterfield, Louis M. Tethered pins pinsetter. 3,829,089, 8-13-74, Cl. 273-44.000.

Butterfield, Max L.; Windish, Willis L.; and Coker, Morton M., to Caterpillar Tractor Company. Boom control mechanism for tractors or the like. 3,785,503, 1-15-74, Cl. 212-8.00b.

Butterfield, Veloy H., Jr.: *See*—
Templeton, Frederick E.; Tuddenham, William M.; Butterfield, Veloy H., Jr.; and Shipley, Barton F., 3,792,457.

Buttermist, Inc.: *See*—
Hautly, Harry B.; and Echols, Samuel T., Jr., 3,783,820.

Butters, John Neil; and Leendertz, Jack Albert, to National Research Development Corporation. Optical inseption. 3,816,649, 6-11-74, Cl. 178-6.800.

Butterweck, Hellmut. Sealed-end jacked pipe assembly and method of making same. 3,825,035, 7-23-74, Cl. 138-109.000.

Butterworth, Arthur B.; deceased (by McCoy, Roland A.; executor), to Butterworth, Helen Libbey. Littoral flow trap or basin. 3,835,651, 9-17-74, Cl. 61-4.000.

Butterworth, Helen Libbey: *See*—
Butterworth, Arthur B., 3,835,651.

Buttery, Kenneth T.; and Haas, Richard C., to Brown Company. Top-opening carton having a unique end flap arrangement. 3,797,728, 3-19-74, Cl. 229-36.000.

Buttery, Kenneth T., to Brown Company. Window carton. 3,835,988, 9-17-74, Cl. 206-45.310.

Buttery, Kenneth T.; and Vander Lugt, Thomas, Jr., to Brown Company. Snap-erected container. 3,845,897, 11-5-74, Cl. 229-16.00r.

Buttery, Ron G.: *See*—
Guadagni, Dante G.; and Buttery, Ron G., 3,826,851.
Guadagni, Dante G.; and Buttery, Ron G., 3,829,582.

Butti, Adriano; Prino, Giuseppe; and Mantovani, Marisa, to Crinos Industria Farmacobiologica S.p.A. Alkali metal salts of nucleotides useful as medicines for the fibronilityc system. 3,829,567, 8-13-74, Cl. 424-180.000.

Buttironi, Giovanni, to Au. RO S.r.L. Motor vehicles storage device. 3,795,328, 3-5-74, Cl. 214-16.10b.

Buttke, Frederic P.; and Mathewson, Theodore D., to Caterpillar Tractor Company. Noise suppression means for tractors. 3,857,453, 12-31-74, Cl. 180-54.00a.

Buttman, Rene: *See*—
Clement, Gilbert; and Buttman, Rene, 3,840,794.

Buttner, Gerhard, to Siemens Aktiengesellschaft. Electrical hearing aid. 3,828,142, 8-6-74, Cl. 179-107.20r.

Buttner, Gerhard; and Klauke, Erich, to Bayer Aktiengesellschaft. Preparation of trifluoromethyl aromatic isocyanates. 3,829,460, 8-13-74, Cl. 260-453.00p.

Buttner, Gert: *See*—
Jacob, Ingolf; Buttner, Gert; and Heinrich, Karl, 3,785,017.

Buttner, Gert; Hartmann, Adolf; and Braun, Peter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Copolyester fibers and filaments having defined shrinking properties. 3,789,031, 1-29-74, Cl. 260-75.00t.

Buttner, Rolf: *See*—
Rassbach, Felix; Buttner, Rolf; and Schuck, Stephan, 3,798,301.

Button, David, to UCC Hydraulics, Limited. Air breather assembly. 3,785,401, 1-15-74, Cl. 137-493.200.

Buttone, Larry J.: *See*—
Buttone, Valsin J.; and Buttone, Larry J., 3,854,513.

Buttone, Valsin J.; and Buttone, Larry J. Internal wheel safety device for vehicles. 3,854,513, 12-17-74, Cl. 152-158.000.

Buttrey, Douglas Norton: *See*—
Birchall, James Derek; Cassidy, John Edward; and Buttrey, Douglas Norton, 3,801,362.

Buttriss, Albert T., to Eaton Corporation. Liquid level monitor. 3,808,887, 5-7-74, Cl. 73-293.000.

Butts, Ernest O.; and Hall, John S., to Hambro Structural Systems Limited. Building method. 3,818,083, 6-18-74, Cl. 264-31.000.

Butts, Ernest O.; and Hall, John S., to Hambro Structural Systems Limited. Formwork for concrete walls. 3,819,143, 6-25-74, Cl. 249-33.000.

Butts, Ernest O.; and Hall, John S., to Hambro Structural Systems Limited. Floor form with connected truss supports. 3,841,597, 10-15-74, Cl. 249-30.000.

Butts, Ernest O.; and Hall, John S., to Hambro Structural Systems Limited. Steel joist or composite steel and concrete construction. 3,845,594, 11-5-74, Cl. 52-334.000.

Butts, Mervin R.; and Robbins, Joseph J., to General Motors Corporation. Four vane elliptical rotary air conditioning compressor. 3,790,311, 2-5-74, Cl. 417-410.000.

Butts, William O., to Micromation Systems, Inc. Title and index generator for a microfiche. 3,820,076, 6-25-74, Cl. 340-172.500.

Butula, Ivan; and Karlovic, Gordana, to Pliva Pharmaceutical and Chemical Works. Process for preparing D-N,N'-bis-(1-hydroxymethylpropyl)-ethylene diamine. 3,829,493, 8-13-74, Cl. 260-584.00r.

Butula, Ivan, to Rhein-Chemie Rheinau GmbH. 4,5,6,7-Tetrahydrobenzotriazoles and process of making the same. 3,849,433, 11-19-74, Cl. 260-308.00b.

Butwell, Robert J., to Varian Associates. Microwave tube having an improved output section. 3,825,794, 7-23-74, Cl. 315-3.600.

Butz Engineering Corporation: *See*—
Leibrick, Peter; and Terry, Nick H., 3,848,728.

Butz, Josef, to Flachglas AG Delog-Detag. Producing fiber reinforced resin panels with gelcoat fiber layer and lacquer protective. 3,849,226, 11-19-74, Cl. 156-247.000.

Butzelaar, Petrus Floris: *See*—
Hoogeveen, Leonardus Petrus Johannes; and Butzelaar, Petrus Floris, 3,819,499.

Butzko, Robert L. Universal thermoplastic sheet forming apparatus. 3,785,762, 1-15-74, Cl. 425-398.000.

Butzow, Neil W.; and Harris, Bernard, to Rexnord Inc. Low friction fabric-lined bearings and improved fabric therefor. 3,804,479, 4-16-74, Cl. 308-238.000.

Butzow, Neil William, to Rexnord Inc. Car switching system. 3,811,383, 5-21-74, Cl. 104-130.000.

Buu-Hoi, Nguyen Phuc; Lambelin, Georges; and Gillet, Claude, to Madan AG. 4-Allyloxy-3-chloro-phenylacetic acid. 3,824,277, 7-16-74, Cl. 260-521.00a.

Buxbaum, Charley: *See*—
Bachmann, Robert; Buxbaum, Charley; and Zigerlig, Benno, 3,816,079.

Buxbaum Lothar: *See*—
Habermeiter, Jurgen; Buxbaum Lothar; and Batzer, Hans, 3,856,754.

Buxbaum, Lothar; and Hrach, Josef, to Ciba-Geigy A.G., mesne. Polycondensation in droplet and compact liquid phases. 3,817,929, 6-18-74, Cl. 260-75.00m.

Buxton, Alan, to Associated Engineering, Limited. Plastic coatings for articles and a method of producing same. 3,788,961, 1-29-74, Cl. 204-181.000.

Buxton, Aldon L.; Donnerstag, Leonard; and Gryctko, Carl E., to I-T-E Imperial Corporation. Electrical panel board with ground and neutral plug-in buses. 3,818,282, 6-18-74, Cl. 317-119.000.

Buxton, Daniel W., 25% to Sutton, George A. Liquid fill assembly. 3,850,210, 11-26-74, Cl. 141-312.000.

Buxton, Robert J.: *See*—
Pepper, William B., Jr.; and Buxton, Robert J., 3,814,355

Buyaskas, John J.: *See*—
Mosciatti, Roger; Foley, Thomas P.; and Buyaskas, John J., 3,817,469.

Buyken, Frank E.; and Foster, Robert C. Lock for form-ties. 3,822,859, 7-9-74, Cl. 249-219.00w.

Buys, Pieter; and Sonneborn, Lambertus, to Schering Aktiengesellschaft. Vehicle having tiltable cabin and actuating device therefor. 3,787,087, 1-22-74, Cl. 296-28.00c.

Buysch, Hans-Josef; Freitag, Dieter; and Krimm, Heinrich, to Bayer Aktiengesellschaft, mesne. Process for the manufacture of alpha, alpha-bis-(hydroxyphenyl)-diisopropylbenzenes. 3,808,279, 4-30-74, Cl. 260-619.00b.

Buzalski, Bruce T.; Chauvin, Bernard; and Lay, Henry G., to Westinghouse Electric Corporation. Ignitor assembly for a percussive type photoflash lamp. 3,820,940, 6-28-74, Cl. 431-93.000.

Buzalski, Bruce T., to Westinghouse Electric Corporation. Multiflash device for close-up photography. 3,858,038, 12-31-74, Cl. 240-1.300.

Buzano, Michel, to Societe Rhodiaceta. Effect voluminous yarn. 3,823,541, 7-16-74, Cl. 57-144.000.

Buzas, Andre; and Bruneau, Jacques, 1/2 to Les Laboratories Bruneau et Cie. Derivatives of pehnoxyacetic acids. 3,843,647, 10-22-74, Cl. 260-247.20a.

Buzatu, Corneliu; and Topor, Costica, to Institutul de Metrologie. Transportable standard cells and process for making same. 3,837,923, 9-24-74, Cl. 136-88.000.

Buzbee, Lloyd R.; and Lake, Robert D., to Koppers Company, Inc. Thermoset polyester resin particles. 3,823,202, 7-9-74, Cl. 260-861.000.

Buzby, Wayne R.: *See*—
King, Richard L.; and Buzby, Wayne R., 3,813,531

Buzga, Heinrich, to Maschinenfabrik Buckau R. Wolf Aktiengesellschaft. Method and apparatus for separating granules from a liquid. 3,797,661, 3-19-74, Cl. 210-73.000.

Buzga, Ondrej: *See*—
Rosberg, Frantisek; Linda, Josef; Buzga, Ondrej; Dusek, Miloslav; and Cvetler, Jiri, 3,808,749.

Buzhinskaya, Antonia Vladimirovna; Sergeev, Leonid Alexandrovich; Trofimov, Vladimir Ivanovich; Perelygina, Tatyana Fedorovna; and Bobrov, Anatoly Borisovich; deceased (by Bobrova, Evdokia Nikolaevnd; and by Bobrova, Irina Maximovna; administrator). Methodfor electrolytically producing a metal band. 3,799,847, 3-26-74, Cl. 204-13.000.

Buzhinsky, Igor Mikhailovich; Gapontsev, Valentin Pavlovich; Zhabotinsky, Mark Efremovich; Izyneev, Anatoly Andreevich; Koryagina, Elizaveta Ivanovna; Kravchenko, Valery Borisovich; Rudnitsky, Jury Petrovich; Sverchkov, Evgeny Ivanovich; Alexeev,

Nikolai Eimovich; and Davydov, Boris Leonidovich. Nd and Yb containing phosphate glasses for laser use. 3,846,142, 11-5-74, Cl. 106-47.00r.
Buzy-Debat, Jean Marie C. S.: *See*—
Tournier, Christian Yves; and Buzy-Debat, Jean Marie C. S., 3,833,890.
Buzza, Thomas. Drop light. 3,814,927, 6-4-74, Cl. 240-54.00a.
Buzzard, Clair Alan; and Drew, Louis Edward, to Bell Telephone Laboratories, Incorporated. Light pen circuit and remote noise-immune pulse detector for raster scan CRT display system. 3,801,740, 4-2-74, Cl. 178-6.800.
Buzzi, Gunter, to Grohe, Hans, KG. Head shower. 3,791,588, 2-12-74, Cl. 239-446.000.
Buzzi, Gunter; and Lorch, Werner, to Grohe, Hans, KG, Firma. Device for aspirating and admixing additives into a stream. 3,797,747, 3-19-74, Cl. 239-311.000.
Buzzi, Leo: *See*—
Meyer, Gerald; and Buzzi, Leo, 3,855,697.
Buzzi, Ugo, to Albe S.A. Machine for the automatic high-speed, high precision machining of small parts, even those having a complicated form. 3,797,081, 3-19-74, Cl. 29-38.00c.
Buzzolini, Mario G., to Sandoz, Inc. 1-p-(τ-Aminoalkoxy)phenyl-4,4-diaryl-cyclohexanes, cyclohexenes and cyclohexandienes and the salts and N-oxides thereof. 3,784,604, 1-8-74, Cl. 260-870.00r.
Buzzolini, Mario G.; and Kathawala, Faizulla G., to Sandoz-Wander, Inc. 2-(1-Benzyl-4-piperidyl) acid hydrazides. 3,793,333, 2-19-74, Cl. 260-293.690.
Buzzolini, Mario G., to Sandoz-Wander, Inc. Substituted purines as hypolipidemics. 3,836,656, 9-17-74, Cl. 424-253.000.
Buzzolini, Mario G., to Sandoz-Wander Inc. 2-Methyl-1,3-propanediamine derivatives. 3,846,496, 11-5-74, Cl. 260-570.700.
Buzzolini, Mario G., to Sandoz-Wander, Inc. Diphenylsulfides as hypolipidemics. 3,851,064, 11-26-74, Cl. 424-337.000.
B.V. Maschinefabrik en Ijzergisterij Holland Bergen op Zoom: *See*—
Visser, Jan Cornelis, 3,785,338.
B.V. Rawi Fabrieken v/h C. Rademaker & Zoon: *See*—
Rademaker, Johannes B. H. J., 3,838,469.
B.V.S.: *See*—
Levin, Leon, 3,782,416.
Byam, Peter M., to Fasco Industries, Inc. Sequentially actuated pressure switches having separate resistor elements associated with each. 3,786,210, 1-15-74, Cl. 200-81.400.
Byars, Carl A.: *See*—
Baxter, Robert O.; Byars, Carl A.; Nadaskay, Richard J.; and Roark, Lamar P., 3,827,614.
Bybee, Samuel M. Linkage type hook setter apparatus. 3,798,821, 3-26-74, Cl. 43-15.000.
Bybee, Samuel M. Hook setter apparatus. 3,823,501, 7-16-74, Cl. 43-15.000.
Byble, Duane C.: *See*—
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Bychkovskaya, Ljudmila Nikolaevna: *See*—
Kachlova, Revekka Vulfovna; Nemtsov, Mark Semenovich; Balkhanova, Galina Fedorovna; Bychkovskaya, Ljudmila Nikolaevna; Mescherskaya, Vera Mikhailovna; and Rabinovich, Sofya Petrovna, 3,846,338.
Bychurch, Antoine S., Sr. Reversible kelly system for rotary drilling. 3,842,619, 10-22-74, Cl. 64-23.500.
Byck, Joseph S.: *See*—
Miller, Walter A.; and Byck, Joseph S., 3,843,974.
Bydal, Bruce A., to Du Pont de Nemours, E. I., and Company. Mixer for a melt spinning apparatus. 3,799,509, 3-26-74, Cl. 259-4.000.
Bye-Jorgensen, Jorgen; and Larsen, Gunnar, to Kruger, I. A/S. Decanting centrifuge for draining off water from sewage sludge. 3,782,623, 1-1-74, Cl. 233-7.000.
Byer, Joseph I. Mobile housing unit. 3,841,691, 10-15-74, Cl. 296-23.00c.
Byerly, Dale L., to Champion Spark Plug Company. Transfer apparatus. 3,837,472, 9-24-74, Cl. 198-218.000.
Byerly, Robert M., to Viking Industries, Inc. Pipe mounting clamp. 3,856,245, 12-24-74, Cl. 248-54.00r.
Byers, David C.; and Banks, Bruce A., to United States of America, National Aeronautics and Space Administration. Sputtering holes with ion beamlets. 3,826,729, 7-30-74, Cl. 204-192.000.
Byers, Donald W.; Petry, Chester H., Jr.; Nordstrom, Carl G.; and Hensley, James Carl, to Byers Photo Equipment Company. Punch-out film mount. 3,808,722, 5-7-74, Cl. 40-152.000.
Byers, Gerald S.: *See*—
Hotchkiss, Kenneth W.; and Byers, Gerald S., 3,836,826.
Byers, James Otts, Jr., to Sanders Associates Inc. Poppet type proportional valve pilot stage. 3,805,840, 4-23-74, Cl. 137-627.500.
Byers, Lewis C. Safety latch for hoist hook. 3,827,746, 8-6-74, Cl. 294-82.00r.
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Byers, Thomas W.; Dehlem, Francis E.; Ireland, Roy D., Jr.; and Pasha, Mohiuddin, to American Air Filter Company, Inc. Scrubber arrangement. 3,810,348, 5-14-74, Cl. 55-91.000.
Byers, William L. Inertia-tilt switch. 3,831,163, 8-20-74, Cl. 340-262.000.
Byford, Derek Clark; and Blanchard, Peter Michael, to British Petroleum Company Limited, The. Synthetic lubricants for aero gas turbines. 3,790,481, 2-5-74, Cl. 252-49.900.
BYK Gulden Lomberg Chemische Fabrik GmbH: *See*—
Klemm, Kurt; and Langenscheid, Erhard, 3,798,220.
Klemm, Kurt; and Langenscheid, Erhard, 3,825,589.
BYK Gulden Lomberg Chemische Fabrik GmbH beschraenkter Haftung: *See*—
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Bykhovsky, David Grigorievich. Device for producing jets of liquid metal. 3,801,223, 4-2-74, Cl. 417-50.000.
Bykov, Alexandr Vasilievich; Scherbakov, Vsevolod Sergeevich; Sudarkin, Lev Alexandrovich; and Pavlov, Roman Vladimirovich; deceased (by Gogolina, Tatyana Viktorovna; administrator). Device for controlling the capacity of reciprocating compressor. 3,829,25, 8-13-74, Cl. 417-559.000.
Bykov, Valery Andreevich: *See*—
Zhislin, Yakov Moiseevich; Kirkunov, Alexandr Eliseevich; Sokolov, Alexandr Yakovlevich; Ivanoz, Alexei Ivanovich; Leikin, Albert Yakovlevich; Grinberg, Efim Naumovich; Vinogradov, Vyacheslav Dmitrievich; Yanovskaya, Zinaida Solomonovna; and Bykov, Valery ndreevich, 3,845,704.
Bykov, Yakov Maximovich: *See*—
Kozhevnikov, Sergei Nikolaevich; Cherevik, Jury Ivanovich; Tkachenko, Arkady Semenovich; Klimkovsky, Bronislav Mecheslavovich; Toloka, Valentin Ivanovich; Malkin, Arkady Semenovich; and Bykov, Yakov Maximovich, 3,810,378.
Byland, Clarence H. Container in which a watthour meter and a meter socket are enclosably mountable and for readably displaying the watthour meter. 3,783,343, 1-1-74, Cl. 317-107.000.
Byland, Donald W.: *See*—
Anthony, Robert C.; and Byland, Donald W., 3,831,621.
Byland, Hans: *See*—
Munz, Paul; and Byland, Hans, 3,785,116.
Bylander, Ernest G.; and Jarman, Hall B. Process for fabricating GE:HG infrared detector arrays and resulting article of manufacture. 3,794,883, 2-26-74, Cl. 317-234.00r.
Bylander, Ernest Gerald, to Texas Instruments, Incorporated. Integrated circuit assembly using etched metal patterns of flexible insulating film. 3,793,714, 2-26-74, Cl. 29-583.000.
Byler, William H.; Raffman, Halsey L.; and Masi, Frank, to United States Radium Corporation. X-ray film identification means. 3,845,314, 10-29-74, Cl. 250-476.000.
Bylo, John J. Marine transport. 3,793,974, 2-26-74, Cl. 114-43.500.
Bylund, Don M., to Deering Milliken Research Corporation. Yarn separator. 3,790,426, 2-5-74, Cl. 156-435.000.
Bylund, Don M.; and Kimble, Victor W., to Deering Milliken Research Corporation. Apparatus to continuously provide fabric with a heat sealed salvage. 3,810,810, 5-14-74, Cl. 156-499.000.
Bylund, Don M., to Deering Milliken Research Corporation. Method of manufacturing a cut pile fabric. 3,840,413, 10-8-74, Cl. 156-72.000.
Bylund, Don M., to Deering Milliken Research Corporation. Sealed edge cutting method. 3,856,599, 12-24-74, Cl. 156-88.000.
Bylund, Linton D., to Reynolds Metals Company. Low-earing can stock. 3,802,931, 4-9-74, Cl. 148-11.50a.
Bylund, Linton D., to Raynolds Metals Company. Aluminous metal articles and aluminum base alloys. 3,814,590, 6-4-74, Cl. 29-183.000.
Bynal Products Inc.: *See*—
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Bynum, Byron G., to Texas Instruments Incorporated. Differentiator and variable threshold gate circuit for use in a vehicle skid control braking system. 3,857,612, 12-31-74, Cl. 303-21.0be.
Bynum, Byron Glen, to Texas Instruments, Incorporated. Intergrated curcuit frequency to voltage converter. 3,796,942, 3-12-74, Cl. 321-6.300.
Bynum, Douglas, Jr. Pavement construction. 3,850,537, 11-26-74, Cl. 404-17.000.
Bynum, Johnnie J. Pressure sensitive control for pump regulator. 3,794,789, 2-26-74, Cl. 200-83.00z.
Byra, Thomas A.: *See*—
Crosbie, Richard B.; and Byra, Thomas A., 3,851,411.
Byram, George W., to United States of America, Navy. Apparatus for the generation of Bessel function signals. 3,809,876, 5-7-74, Cl. 235-197.000.
Byram, George W.; and Speiser, Jeffrey M., to United States of America, Navy. Cascade transversal-filter phase-compensation network. 3,829,798, 8-13-74, Cl. 333-70.00t.
Byram, James Warren, to International Business Machines Corporation. Web winding spool. 3,856,229, 12-24-74, Cl. 242-71.800.

Byrd, Barney Raymond, to Sun Oil Company of Pennsylvania. Service station vapor collection system. 3,807,433, 4-30-74, Cl. 137-255.000.
Byrd, Clarence D., to Safety Devices Incorporated. Safety lowering device. 3,847,377, 11-12-74, Cl. 254-158.000.
Byrd, Jerry A. Garbage can rack. 3,788,583, 1-29-74, Cl. 248-146.000.
Byrd, Lucid L., to Carter Precision Electric Company. Modular jack panel. 3,784,962, 1-8-74, Cl. 339-121.000.
Byrd, Priscilla D.; and Fritz, Henry E., to Union Carbide Corporation. Preparation of substituted hydroxy propionates. 3,829,415, 8-13-74, Cl. 260-231.00a.
Byrd, Walter C., III, to General Motors Corporation. Self-locking seal for generator leads. 3,845,961, 11-5-74, Cl. 277-212.00f.
Byrd, Wendell M., Jr.: *See*—
Anderson, James J.; Byrd, Wendell M., Jr.; and Camacho, Vasco G., 3,816,143.
Byrne, Eugene C., to Actron Industries, Inc. Atmospheric compensation radiometer system. 3,849,645, 11-19-74, Cl. 250-209.000.
Byrne, Frank, to United States of America, National Aeronautics and Space Administration. Digital servo controller. 3,826,964, 7-30-74, Cl. 318-602.000.
Byrne, Geoffrey A.; and Arthur, Jett C., Jr., to United States of America, Agriculture. Durable-press cotton textiles and method of making same. 3,827,858, 8-6-74, Cl. 8-184.000.
Byrne, John F.: *See*—
Luebbe, Ray H., Jr.; and Byrne, John F., 3,819,368.
Byrne, John F., to Xerox Corporation. Electrophotographic element containing phthalocyanine. 3,816,118, 6-11-74, Cl. 96-1.500.
Byrne, Joseph B.; and Ledbetter, Harvey D., to Dow Chemical Company, The. Composite materials comprising epoxy resin matrix and carbon fibers. 3,853,610, 12-10-74, Cl. 117-161.0zb.
Byrne, Stanley William: *See*—
Lyon, Henry; Mathewson, Harald David; Davidson, James Thomson; and Byrne, Stanley William, 3,805,682.
Byrne, Sydnor H., Jr.: *See*—
Ashmead, Howard L.; Byrne, Sydnor H., Jr., and Wolf, John P., III, 3,799,396.
Byrne, William J.: *See*—
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McGahon, John O.; and Byrne, William J., 3,783,991
Byrnes, Ed: *See*—
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Byrnes, Eugene B.: *See*—
Arnold, Thomas B.; Byrnes, Eugene B.; and Castoe, Alonzo R., 3,784,466.
Byrns, Edson H.: *See*—
Miller, Charlie D.; and Byrns, Edson H., 3,829,948.
Byron, Melville, to Creative Patents & Products Limited. Controllable amusement device. 3,782,031, 1-1-74, Cl. 46-244.00r.
Byron, W. H., Inc.: *See*—
Kirzner, Samuel, 3,827,195.
Byrt, Graham Archie Bruce; Rosevear, Adrian Tuckwell; and Clarke, William Frank, to Masson Scott Thrissell Engineering Limited. Winding of continuous webs of sheet material 3,782,665, 1-1-74, Cl. 242-56.00r.
Byrum, Bernard W., Jr., and Ernsthausen, Roger E., to Owens-Illinois, Inc. Selective control of discharge position in gas discharge display/memory divice. 3,823,394, 7-9-74, Cl. 340-173.0pl.
Byrum, Bernard W., Jr.; and Ernsthausen, Roger E., to Owens-Illinois, Inc. Gaseous discharge device. 3,846,171, 11-5-74, Cl. 117-223.000.
Bystrianyk, Wasyl; Federko, Andrew S.; and Trahan, Albert J., to Emhart Corporation. Mold holder arm and insert opening mechanism 3,798,019, 3-19-74, Cl. 65-360.000.
Bystrom, Andrew G. C.; and Bystrom, Mikeal G. Fishing rod holder 3,783,547, 1-8-74, Cl. 43-21.200.
Bystrom, Mikeal G.: *See*—
Bystrom, Andrew G. C.; and Bystrom, Mikeal G., 3,783,547.
Bystron, Bruno: *See*—
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Bystron, Bruno, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method of and apparatus for cutting textile material. 3,797,341, 3-19-74, Cl. 83-14.000.
Bystron, Bruno; Grimm, Eberhard; and Oexler, Rudolf, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Spinning machine. 3,811,256, 5-21-74, Cl. 57-1.00r.
Bystron, Bruno, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Fabric web hold-down apparatus for tailoring machines. 3,835,747, 9-17-74, Cl. 83-422.000.
Bystronic Maschinen AG: *See*—
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Bywater, John Roger. Cam motion control unit. 3,817,228, 6-18-74, Cl. 123-90.120.
Bywood, Roy; Gallagher, Gerard; Sharma, Girijesh Kumar; and Walker, Derek, to Glaxo Laboratories Limited. Esterification of penicillin acids. 3,830,801, 8-20-74, Cl. 260-239.100.
Byzov, Gennady V.; Valdman, Ilya V.; Mazurovsky, Boris Y.; and Yakibjuk, Ivan E. Method of bending heat exchanger sections and a machine for the realization thereof. 3,831,420, 8-27-74, Cl. 72-305.000.
Byzov, Yury Mikhailovich: *See*—
Andreev, Oleg Semenovich; Birjukov, Boris Konstantinovich; Byzov, Yury Mikhailovich; Lekhtman, Moisei Abramovich; Perelberg, Azik Iosifovich; Strimbling, Semen Itskhovich; Trachevsky, Boris Sergeevich; Fikhman, Isak Berovich; Cherepakha, Pavel Andreevich; nd Shraifeld, Tamara Yakovlevna, 3,821,749.
2C-2B Corporation: *See*—
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C & C Research, Inc.: *See*—
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Cole, Melrose R., 3,843,255.
C & M Manufacturing Company, Inc.: *See*—
Weisker, Alexander; and Smith, Raymond L., Jr., 3,836,031.
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Sitte, Hellmuth, 3,841,190.
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C-O Inc.: *See*—
Ollman, Melvin L., 3,827,117.
Cabax Mills: *See*—
Woodruff, Curtis H., 3,812,964.
Cabell, Douglas N., to Ronson Corporation. Safety mechanism to prevent shaft coupling when blades are exposed in a blender. 3,786,999, 1-22-74, Cl. 241-282.100.
Cabilio, Juta: *See*—
Magnien, Ernest; and Cabilio, Juta, 3,838,135.
Cabion, Paul Joseph, to South African Inventions Development Corporation. Electro-magnetic distance measuring apparatus. 3,854,133, 12-10-74, Cl. 343-12.00r.
Cable Covers Limited: *See*—
Edwards, Hugh J. W., 3,833,706.
Cable Electric Products, Inc.: *See*—
Schwartz, Frederic W., 3,798,582.
Cable, John A.; Cable, Stephen J.; and Falbo, Richard R., to United States Ceramic Tile Company. Method and apparatus for fast firing glazed ceramic tile trim pieces. 3,830,625, 8-20-74, Cl. 432-236.000.
Cable, Russell D.; and Brenneman, Homer K., to Porta Service, Inc. Mobile lubrication apparatus. 3,810,487, 5-14-74, Cl. 137-351.000.
Cable, Stephen J.: *See*—
Cable, John A.; Cable, Stephen J., and Falbo, Richard R., 3,830,625.
Cable, Walter L.: *See*—
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Morton, John, Stevens, Keith Drummond, and Thexton, Graham Spencer, 3,811,080.
Morton, John, Stevens, Keith Drummond, and Thexton, Graham Spencer, 3,819,997.
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Cabot Corporation: *See*—
Augustine, Coleman M., Jr., and Herchenroeder, Robert B., 3,802,934.
Berstein, Gregor; Hardy, John F.; and Doppler, Leonard H., 3,793,302.
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Foley, Edward M.; and Polk, Robert F., 3,838,981.
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Jordan, Merrill E.; Burbine, William G.; and Williams, Frank R., 3,799,788.
Jordan, Merrill E.; Burbine, William G.; and Williams, Frank R., 3,830,774.
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Richards, Lorenzo Willard, and Mudgett, Peter S., 3,838,972.
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Cabut, Louis Antoine: *See*—
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Cachat, John F., to Park-Ohio Industries Inc. Modified inductor for inductively heating valve seats. 3,789,180, 1-29-74, Cl. 219-10.570.
Cachat, John F., to Park-Ohio Industries, Inc. Method for inductively heating an elongated, slotted workpiece. 3,800,115, 3-26-74, Cl. 219-10.430.

Cachat, John F., to Park-Ohio Industries, Inc. Apparatus for heating a viscous liquid. 3,824,364, 7-16-74, Cl. 219-10.510.

Cachat, John F., to Park-Ohio Industries, Inc. Method of reclaiming iron from ferrous dust. 3,834,895, 9-10-74, Cl. 75-11.000.

Cadart, Michel: *See—*
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Cadborough Engineering Company Ltd.: *See—*
Scragg, William Ewert, 3,817,848.

Cadcom, Incorporated: *See—*
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Caddell, Bobby Gene; and Gordon, Harry E., to Kansas City Enterprise, Inc. Apparatus for the recovery of butter, oleomargerine, cheese or the like. 3,792,655, 2-19-74, Cl. 100-116.000.

Cadden, Jerry L.; Hackett, Donald W.; and Harris, Fred A., to United States of America, Atomic Energy Commission. Method of casting a consumable electrode. 3,850,226, 11-26-74, Cl. 164-108.000.

Caddock, Richard E. Non-inductive film-type cylindrical resistor. 3,858,147, 12-31-74, Cl. 338-62.000.

Caddy Corporation: *See—*
Bergenthal, Eckhard J., 3,820,478.

Cade, George I.; Beach, Burt L.; Friesen, Milo E.; and Phillips, Samuel R., to Houdaille Industries, Inc. Sump pump. 3,822,967, 7-9-74, Cl. 417-368.000.

Cade, Phillip J., to Electronics Corporation of America. Condition monitoring apparatus. 3,795,899, 3-5-74, Cl. 340-237.00s.

Cade, Phillip J., to Electronics Corporation of America. Combustion supervision system. 3,816,053, 6-11-74, Cl. 431-78.000.

Cade, Phillip J., to Electronics Corporation of America. Burner control system. 3,830,619, 8-20-74, Cl. 431-78.000.

Cade, Phillip J., to Electronics Corporation of America. Electrical control circuitry. 3,840,322, 10-8-74, Cl. 431-78.000.

Cade, Phillip J., to Electronics Corporation of America. Flame failure controls. 3,852,729, 12-3-74, Cl. 340-228.200.

Cade, Phillip J., to Electronics Corporation of America. Burner control system. 3,854,056, 12-10-74, Cl. 307-117.000.

Cade, Ronald L.; and Knapp, John F., to Xerox Corporation. Plural electrode development methods for latent electrostatic images. 3,807,997, 4-30-74, Cl. 96-1.0sd.

Cadenhead, R. Alton: *See—*
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Cadeo, Angelo; and Cavelti, Josef, to Frebar A.G., mesne. Method and apparatus for dissolving sugar and other soluble solids. 3,837,914, 9-24-74, Cl. 127-22.000.

Cadieux, Charles T., to Western Electric Company, Incorporated. Processes and baths for electro-stripping plated metal deposits from articles. 3,793,172, 2-19-74, Cl. 204-146.000.

Cadiou, Jean Georges, to Societe Anonyme Automobiles Citroen. Power steering apparatus. 3,791,475, 2-12-74, Cl. 180-79.20r.

Cadiou, Jean Georges, to Societe Anonyme Automobiles Citroen. Windshield wiper control means. 3,794,847, 2-26-74, Cl. 307-117.000.

Cadiou, Jean Georges, to Societe Anonyme Automobiles Citroen. Seats having head-rests. 3,813,151, 5-28-74, Cl. 297-396.000.

Cadiou, Jean Jacques; Guerinet, Georges Rene; Callens, Paul Raymond; and Tracol, Andre G., to International Business Machines Corporation. Time division multiplexer with each frame consisting of a fixed length bit oriented address field and a variable lengh character oriented data field. 3,855,422, 12-17-74, Cl. 179-15.0al.

Cadle, Terence Michael: *See—*
Farmer, Edwin Bruce; and Cadle, Terence Michael, 3,829,295.

Cadman, Phillip B. Folding shelf and shelf bracket. 3,838,841, 10-1-74, Cl. 248-240.400.

Cadmus, Eugene L., to Ventron Corporation. Organic mercury compositions. 3,801,332, 4-2-74, Cl. 106-15.0af.

Cadus, Anton: *See—*
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Cadwell, Edward Peter, to Treadwell Corporation. Recovery of copper from copper sulfide containing concentrates. 3,791,817, 2-12-74, Cl. 75-106.000.

Cadwell, Robert M.; and Rock, Frank C., said Rock assor. to National Controls, Inc. Digital subtraction system and method for determining net weight. 3,853,267, 12-10-74, Cl. 235-151.330.

Caelus Memories, Inc.: *See—*
Herbig, Paul G., 3,817,088.
Lin, Frank W., 3,800,317.
Lin, Frank W., 3,846,829.
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Caffa, Giorgio C., to FMC Corporation. Vibrating self-distributor. 3,838,770, 10-1-74, Cl. 198-220.0bc.

Cafferty, Micheal; and Jewitt, Cecil William, to Bray, Geo, & Company Limited. Gas burners. 3,807,642, 4-30-74, Cl. 239-425.500.

Caffrey, Joseph R.: *See—*
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Caffrey, Robert Emmett; Dumbri, Austin Charles; and Tauber, Richard Norman, to Bell Telephone Laboratories, Incorporated. Forming windows in composite dielectric layers. 3,808,069, 4-30-74, Cl. 156-11.000.

Caffrey Terence, to Davey Compressor Company. Multiple lead screw compressor. 3,807,911, 4-30-74, Cl. 418-9.000.

Caflisch, Edward G.; Reed, Denvil E., Jr.; and Williamson, Kenneth D., to Union Carbide Corporation. Process for upgrading dripolene. 3,788,979, 1-29-74, Cl. 208-255.000.

Cagan, Bernard J., to Placo Products Company. Combination dart and pinball apparatus. 3,853,318, 12-10-74, Cl. 273-102.10g.

Cagen, George, to Ideal Toy Corporation. Doll tearing mechanism. 3,789,539, 2-5-74, Cl. 46-135.00a.

Cahen, Raymond M.; Debus, Henri R.; and Aga, Rene L., to Labofina S.A. Process for the purification of light paraffinic petroleum distillates. 3,827,974, 8-6-74, Cl. 208-143.000.

Cahill, John G.; Sharma, Bhim S.; and van der Meulen, Yde J., to International Business Machines Corporation. Silicon-cadmium selenide heterojunctions. 3,796,882, 3-12-74, Cl. 250-211.00j.

Cahill, Paul J.; and Kurasiewicz, Adam S., to Standard Oil Company. Alkenylsuccinic anhydride preparation. 3,819,660, 6-25-74, Cl. 260-346.80r.

Cahill, Paul J., to Standard Oil Company. Alkenyl-substituted succinic anhydride. 3,855,251, 12-17-74, Cl. 260-346.80r.

Cahill, Steven P.; and Pateuk, Constantine J., to Honeywell Information Systems, Inc. Axially and rotationally moveable print head. 3,794,150, 2-26-74, Cl. 197-55.000.

Cahill, Thomas J., Jr., to Rapid-American Corporation. Luggage case. 3,796,291, 3-12-74, Cl. 190-49.000.

Cahilly, Glenn M.: *See—*
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Cahn, Jean: *See—*
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Wermuth, Camille Georges; Cahn, Jean; and Rottenberg, Eugene, 3,793,458.

Cahn, Robert L. Receptacle carrier for an automatic conveying system. 3,788,451, 1-29-74, Cl. 198-131.000.

Cahn, Robert L. Conveyor apparatus. 3,812,786, 5-28-74, Cl. 104-88.000.

Cahnman, Hugo, Associates, Inc.: *See—*
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Cahnman, Hugo N; Sterne, Frank, and Canfield, Douglas M., to Cahnman, Hugo, Associates, Inc. Method of bulking and heat-setting yarn. 3,833,975, 9-10-74, Cl. 28-72.100.

Cahoe, James R., and Sommer, Edward G., Jr., to General Electric Company. Gas dryer timer control circuit. 3,806,308, 4-23-74, Cl. 432-44.000.

Cahoon, John B., Jr.; Currey, John B.; and Emig, Donald L., to United States of America, Atomic Energy Commission. Method and apparatus for extruding ceramic tubes. 3,847,535, 11-12-74, Cl. 425-291.000.

Cahoon, John B., Jr., to United States of America, Atomic Energy Commission. Method for producing fueled moderator. 3,849,329, 11-19-74, Cl. 252-301.10r.

Cahour, Maurice Alphonse Jules; Le Trung, Truc, and Signoret, Lucien Gaston, to Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber-Colombes. Support for rubber and like pipes and hoses. 3,814,565, 6-4-74, Cl. 425-392.000.

Cahoy, Roger P.: *See—*
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Cahoy, Roger Paul, to Gulf Research & Development Company. Method for combating certain foliar diseases of plants. 3,825,662, 7-23-74, Cl. 424-300.000.

Caillet, Rene. Water-tight closing device. 3,831,544, 8-27-74, Cl. 114-202.000.

Cailley, Jean-Pierre, and Braun, Henri, to Saft-Societe des Accumulateurs Fixes et de Traction. Electrochemical generators. 3,837,925, 9-24-74, Cl. 136-134.000.

Cailliot, Sege Leon Louis, 1/2 to Tcherkassky, Georges. Cartridge for endless coil of tape. 3,854,669, 12-17-74, Cl. 242-55.19a.

Cailliot, Serge. Tape recorder utilizing resilient tape and cartridge having no moving parts. 3,787,057, 1-22-74, Cl. 274-4.000.

Caillouette, James C.; and Johnson, Paul E. Medico-surgical tube. 3,847,157, 11-12-74, Cl. 128-348.000.

Cain, Audley L.: *See—*
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Cain, Diana K.; and Morgason, Linda L. Educational board game apparatus. 3,815,919, 6-11-74, Cl. 273-134.0ad.

Cain, Gerald E. Water ski towline pay-out and retrieval apparatus. 3,831,545, 8-27-74, Cl. 114-235.0ws.

Cain, James P., to Marlboro Manufacturing, Inc. Hydraulic door closer. 3,781,943, 1-1-74, Cl. 16-52.000.

Cain, Maurice Edward; Knight, Geoffrey Thomas; Gazeley, Keith Frederick; and Lewis, Peter McHugh, to Natural Rubber Producers Research Association, The. Urethanes for the treatment of rubber. 3,799,954, 3-26-74, Cl. 260-396.00n.

Cain, Robert W. Pressure relief valve for bicycle tires. 3,807,432, 4-30-74, Cl. 137-224.000.

Caiola, Leonard, to Information Utilization Corporation. Apparatus for screening cytological specimens. 3,801,783, 4-2-74, Cl. 250-303.000.

Caione, Vincenzo. Fuse holder. 3,835,432, 9-10-74, Cl. 337-247.000.

Caire, Roger, to Societe d'Exploitation d'Outillage et Usinage de Precision Georges Froquet sigle S.E.O.U.P. Shears. 3,834,020, 9-10-74, Cl. 30-228.000.

Cairncorss, Allan, to Du Pont de Nemours, E. I., and Company. Polyamides containing N-lower alkyl 1,2,3-triazole-4,5-dicarbonyl groups. 3,838,112, 9-24-74, Cl. 260-78.00r.

Cairncross, Allan; and Sheppard, William Arthur, to Du Pont de Nemours, E. I., and Company. Process for coating substrates with copper by thermal decomposition of selected fluoroorganocopper (I) compounds. 3,817,784, 6-18-74, Cl. 117-227.000.

Cairns, Elton J.: *See—*
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Cairns, Elton J.; Chilenskas, Albert A.; and Shimotake, Hiroshi, to United States of America, Atomic Energy Commission. Implantable battery. 3,823,037, 7-9-74, Cl. 136-6.00f.

Cairns, Elton J.; Shimotake, Hiroshi; and Selman, Jan R., to United States of America, Atomic Energy Commission. Homogeneous cathode mixtures for secondary electrochemical power-producing cells. 3,827,910, 8-6-74, Cl. 136-6.0lf.

Cairns, Hugh; Chambers, Albert; and Lee, Thomas Brian, to Fisons Limited. Chemical compounds chromone-2-carboxylic acids. 3,786,071, 1-15-74, Cl. 260-345.200.

Cairns, Hugh; and Hunter, Dennis, to Fisons Limited. Bis chromone-2-carboxylic acids. 3,792,063, 2-12-74, Cl. 260-345.200.

Cairns, Hugh; and Hazard, Richard, to Fisons Limited. Benzodithiapyrone dicarboxylic acids. 3,804,857, 4-16-74, Cl. 260-327.0th.

Cairns, Hugh; and Johnson, Peter Bennett, to Fisons Limited. Pharmaceutically active compounds. 3,823,165, 7-9-74, Cl. 260-345.200.

Cairns, Hugh; and Rogers, Norman Harold, to Fisons Limited. 4-Oxo-4H-1-benzopyran and 4-oxo-4H-1-thiabenzopyran compounds. 3,857,856, 12-31-74, Cl. 260-327.0th.

Cairns, John Francis: *See—*
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Cairns, John Francis, to Imperial Chemical Industries Limited. Manufacture of bipyridylium salts and related compounds. 3,803,147, 4-9-74, Cl. 260-250.00r.

Cairns, John Francis; Colchester, John Edward; and Entwisle, John Hubert, to Imperial Chemical Industries Limited. Process for the manufacture of 1,1'-disubstituted-4, 4'-bipyridylium salts. 3,828,058, 8-6-74, Cl. 260-296.00d.

Cairns, Malcolm, Anthony: *See—*
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Cairns, Robert Lacock: *See—*
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Cairns, Robert Lacock; and Benjamin, John Stanwood, to International Nickel Company, Inc., The. Method of producing iron-chromium-aluminum alloys with improved high temperature properties. 3,837,930, 9-24-74, Cl. 148-11.50f.

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Caithamer, George J.; Coleman, Ivan V.; and Lee, David K. K., to GTE Automatic Electric Laboratories, Incorporated. Central automatic message accounting system. 3,829,617, 8-13-74, Cl. 179-7.10r.

Cake, Arthur F., to Wagner Electric Corporation. Multiplexed signal-sequence control system. 3,798,551, 3-19-74, Cl. 325-370.000.

Cake, Arthur F., to Wagner Electric Corporation. Variable interval timer circuit. 3,814,954, 6-4-74, Cl. 307-293.000.

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Cal-Tex Semiconductor, Inc.: *See—*
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Calabrese, Anthony J.; Stettler, Wayne J.; and Zwiren, Jan Marie, to Menley & James Laboratories, Ltd. Color selector device. 3,809,785, 5-7-74, Cl. 35-28.300.

Calabrese, Salvadore Joseph, to Du Pont de Nemours, E. I., and Company. Wear resistant frictionally contacting surfaces. 3,841,724, 10-15-74, Cl. 308-241.000.

Calabrette, Joseph R.; and Beckman, Maynard K., Jr., to Xerox Corporation. Excess toner shield for electrographic apparatus. 3,840,879, 10-8-74, Cl. 346-74.0es.

Calabro, John A.: *See—*
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Calamari, Timothy A., Jr.; Reeves, Wilson A.; Schreiber, Sidney P.; and Cooper, Albert S., Jr., to United States of America, Agriculture. Process for the mercerization of cotton fabrics with liquid ammonia and ammonia/amine solutions. 3,849,067, 11-19-74, I. 8-115.700.

Calamas, Deleon Everette: *See—*
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Calame, Jean Pierre: *See—*
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Calbo, Leonard Joseph, Jr.; and Koral, Jerry Norman, to American Cyanamid Company. Water and toluene soluble methylated methylolurea resin and process for the preparation thereof. 3,803,095, 4-9-74, Cl. 260-70.00a.

Calc Securities Systems, Inc.: *See—*
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Calcagno, Benedetto: *See—*
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Canavesi, Roberto; Aglietti, Giancarlo; and Calcagno, Benedetto, 3,804,777.
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Piccolo, Luigi; Ghirga, Marcello; and Calcagno, Benedetto, 3,812,241.

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Calcaro, Louis A., to Rockwell Manufacturing Company. Fire extinguishing system nozzle. 3,831,682, 8-27-74, Cl. 169-37.000.

Calcote, Hartwell Forrest: *See—*
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Caldarella, Riccardo: *See—*
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Caldarelli, Antonio. Fluid-powered engine. 3,791,142, 2-12-74, Cl. 60-263.000.

Caldecourt, Victor J., to Dow Chemical Company, The. Electrical bridge element assembly for corrosion measurement. 3,857,094, 12-24-74, Cl. 324-65.0cr.

Caldemeyer, Daniel F. Footrest for reclining chair. 3,794,381, 2-26-74, Cl. 297-430.000.

Caldemeyer, Daniel F. Rocking recliner with rocker lock and antioverturn shock absorber. 3,826,532, 7-30-74, Cl. 297-270.000.

Calder, Oliver J., to Airless Spray Tip Manufacturing Co. Spray tip. 3,831,862, 8-27-74, Cl. 239-526.000.

Calder, Peter Henry, to Rolls-Royce (1971) Limited. Jet propulsion power plant. 3,806,035, 4-23-74, Cl. 239-265.170.

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Calderon, Henry A., to United Aircraft Corporation. Crossover tube construction. 3,811,274, 5-21-74, Cl. 60-39.320.

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Caldwell, Carroll E.; and Ficklin, Ann C., to United States of America, Atomic Energy Commission. Purification of platinum. 3,841,863, 10-15-74, Cl. 75-83.000.

Caldwell, David H.; and Barth, Edwin F., to United States of America, Environmental Protection Agency. Ammonia elimination system. 3,824,185, 7-16-74, Cl. 210-3.000.

Caldwell, Donald L.: *See—*
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Caldwell, Edward N., to Robertshaw Controls Company. Valve construction and system utilizing the same. 3,818,981, 6-25-74, Cl. 165-35.000.

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Caldwell, Edward N., to Robertshaw Controls Company. Pneumatically operated diverting relay construction and system utilizing the same or the like. 3,856,044, 12-24-74, Cl. 137-625.500.

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Caldwell, Henry Cecil, to Smith Kline Corporation. Novel vinylcarbamate derivatives of phenylpropanolamine. 3,849,573, 11-19-74, Cl. 424-311.000.

Caldwell, Jack N. Helmet construction. 3,797,040, 3-19-74, Cl. 2-3.00p.

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Caldwell, John W.: *See—*
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Caldwell, John Warren; and Shapiro, Leonard, to Pennwalt Corporation. Centrifuge bowl having an improved nozzle assembly. 3,795,362, 3-5-74, Cl. 233-20.00r.

Caldwell, Joseph H.: *See—*
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Caldwell, Melvin R.: *See—*
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Caldwell, Richard L., to Mobil Oil Corporation. Method and apparatus for radioactive well logging. 3,800,145, 3-26-74, Cl. 250-253.000.

Caldwell, Richard L., to Mobil Oil Corporation. Radioactive well logging to distinguish water and hydrocarbon saturation by delayed neutrons from oxygen. 3,829,687, 8-13-74, Cl. 250-269.000.

Caldwell, Robert J.: *See—*
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Caldwell, Robert J., to Mohasco Industries, Inc. Footrest mechanism. 3,790,211, 2-5-74, Cl. 297-75.000.

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Caley, Raymond H.; and Mills, Donald, to Microsystems International Limited. Multi-layer thin-film circuits. 3,808,049, 4-30-74, Cl. 117-212.000.

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Szabo, Miklos Tamas; Sharpe, Andrew Jackson, Jr.; and Sherwood, Nancy Spicer, 3,826,311.

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Calhoun, Donald F., to Hughes Aircraft Company. Integrated circuit interconnections by pad relocation. 3,795,972, 3-12-74, Cl. 29-574.000.

Calhoun, Donald F., to Hughes Aircraft Company. Multi-level large scale integrated circuit array having standard test points. 3,795,973, 3-12-74, Cl. 29-574.000.

Calhoun, Donald F., to Hughes Aircraft Company. Repairable multi-level large scale integrated circuit. 3,795,974, 3-12-74, Cl. 29-574.000.

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Calhoun, Fredrick L., to Industrial Dynamics Company, Ltd. Container inspection system and method. 3,784,827, 1-8-74, Cl. 250-498.000.

Calhoun, Fredrick L., to Industrial Dynamics Company, Ltd. Container inspection system and method. 3,844,018, 10-29-74, Cl. 29-407.000.

Cali, Albert. Container for packaging papers. 3,837,562, 9-24-74, Cl. 229-32.000.

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Calicchia, David J.; and Modan, Michael M., to General Electric Company. Removal of catalyst residue from polyphenylene ethers. 3,783,147, 1-1-74, Cl. 260-47.0et.

Califano, Frank L.; and Laszlo, Joseph, to Flintkote Company, The. Method for making tile products. 3,788,925, 1-29-74, Cl. 156-269.000.

Califano, Frank L.; Shutak, Paul N.; and Dalik, Herbert A., to Flintkote Company, The. Method and apparatus for loosening wet pipe from a mandrel. 3,803,017, 4-9-74, Cl. 204-180.00r.

Califano, Frank L.; Stepien, George, Jr.; and Russell, Thomas E., to Flintkote Company, The. Method for reducing water loss through soil by seepage. 3,831,382, 8-27-74, Cl. 61-1.00r.

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California Computer Products, Inc.: *See—*
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Calim, Thomas F. Machine for producing frozen confections. 3,828,572, 8-13-74, Cl. 62-340.000.

Calim, Thomas F. Machine for producing frozen confections. 3,839,881, 10-8-74, Cl. 62-340.000.

Caliri, Charles Thomas, to Cincinnati Milacron Inc. Torque couple with structure borne noise isolation. 3,834,248, 9-10-74, Cl. 74-443.000.

Calis, Alex J. Improved self-loading and self-propelled haulage vehicle. 3,826,387, 7-30-74, Cl. 214-90.000.

Calkin, Billy C.; and Lowrie, Neely E., to Combustion Engineering, Inc. Means for separating entrained liquid. 3,850,599, 11-26-74, Cl. 55-440.000.

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Calkins, Oscar O., to Calkins Manufacturing Company. Boat support for trailers. 3,785,677, 1-15-74, Cl. 280-414.00r.

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Callahan, James L.; Miller, Arthur F.; and Shaw, Filfrid G., to Standard Oil Company, The. Process for preparing aggregates. 3,848,033, 11-12-74, Cl. 264-13.000.

Callahan, John William; and Capdeville, Martin John, to Pennwalt Corporation. Abrading apparatus. 3,845,586, 11-5-74, Cl. 51-12.000.

Callahan, Joseph W.; and Laningham, Gene R., to Cesco, Inc. Method of cleaning heat exchangers. 3,850,741, 11-26-74, Cl. 208-48.00r.

Callahan, Michael James, Jr., to Texas Instruments Incorporated. Current-canceling circuit. 3,800,239, 3-26-74, Cl. 330-40.000.

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Callahan, Paul J. Toy plastic boomerang. 3,814,431, 6-4-74, Cl. 273-106.00d.

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Callahan, Thomas R.; Kingsbury, Herbert K.; and Sutton, Thomas E., to Allis-Chalmers Corporation. Method and system for pulp stock supply. 3,823,063, 7-9-74, Cl. 162-212.000.

Callais, Richard T.; Eisenberg, Herbert; Forbes, F. Douglas; Kosco, Thomas J.; Taxin, Harry M.; and Frost, John B., to Hughes Aircraft Company. Catv program control system. 3,790,700, 2-5-74, Cl. 178-5.100.

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Callihan, Rudy B.; and Wainwright, Clyde S., Jr., to Baker Oil Tools, Inc. Selective hydrostatically set parallel string packer. 3,841,400, 10-15-74, Cl. 166-120.000.

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Callullerovich, Maximo. Wheel and tire therefor. 3,791,432, 2-12-74, Cl. 152-339.000.

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Calnek, Bruce W.; and Hitchner, Stephen B., to Cornell Research Foundation Inc. Highly potent, viable and stable cell-free virus preparations from cells infected with cell-associated viruses and method for obtaining the same. 3,783,098, 1-1-74, Cl. 195-1.10.

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Calvert, Corlette C.; Morgan, Neal O.; and Martin, Richard D., to United States of America, Agriculture. Separator for negatively phototactic house fly larvae from chicken hen excreta. 3,814,057, 6-4-74, Cl. 119-15.000.

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Calvert, Rodney K.; and Scott, Dale K., to Mead Corporation, The. Wire forming method. 3,805,579, 4-23-74, Cl. 72-378.000.

Calvert, Rodney K.; and Fishback, Alton J., to Mead Corporation, The. Article handling machine. 3,835,979, 9-17-74, Cl. 198-30.000.

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Calves Jean; and Gounon, Rene, to Societe d'Etude Recherches et Constructions Electroniques. Electronic ambiguity-removal device for phase measurement radionavigation systems, more particularly for the omega system. 3,838,426, 9-24-74, Cl. 343-105.00r.

Calvin, Chester W.: *See—*
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Calvin, John N., to Combustion Engineering, Inc. Staggered cone deflectors. 3,814,666, 6-4-74, Cl. 176-78.000.

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Camacho, Salvador L.; and Magor, James K. Method of converting a fuel burning batch annealing furnace to a gas plasma heat source type. 3,816,901, 6-18-74, Cl. 29-426.000.

Camacho, Salvador L., to Technology Application Service Corporation. Long arc column forming plasma generator. 3,818,174, 6-18-74, Cl. 219-121.00p.

Camacho, Vasco G.: *See—*
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Camarasa, Mario; and Kraus, Bernhard Josef, to Esso Research and Engineering Company. Purification of internal combustion engine exhaust gas. 3,788,070, 1-29-74, Cl. 60-290.000.

Camardella, Giuseppe. Multiple coil-winder. 3,806,051, 4-23-74, Cl. 242-7.110.

Camas, George: *See—*
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Canderton, Norman Victor; and Goadby, Walter, 3,824,809.
Wills-Moren, William James; and Goadby, Walter, 3,793,850.

Cambey, Leslie A., to Bell & Howell Company. Single magnet tandem mass spectrometer. 3,783,278, 1-1-74, Cl. 250-299.000.

Cambiaghi, Danilo: *See—*
Schnyder, Conrad W.; and Cambiaghi, Danilo, 3,826,548.

Camboulives, Andre Alphonse Mederic Leon; Jourdain, Gerard Ernest Andre; Le Maout, Theophile Francois; and Vandenbroucke, Roger Alfred Jules, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Variable-geometry convergent-divergent nozzes for jet propulsion engines. 3,807,637, 4-30-74, Cl. 239-265.410.

Camboulives, Andre Alphonse Mederic Leon; Chambon, Jean Francois; Jourdain, Gerard Ernest Andre; Le Maout, Theophile Francois; and Vandenbroucke, Roger Alfred Jules, to Societe Nationale d'Etude et de Construction de Moteurs. Variable-geometry nozzle for ajet engine. 3,837,579, 9-24-74, Cl. 239-265.390.

Camboulives, Andre Alphonse Mederic Leon; Jourdain, Gerard Ernest Andre; and Le Maout, Theophile Francois, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Nozzles having an adjustable cross-section. 3,837,580, 9-24-74, Cl. 239-265.39.

Camboulives, Andre Alphonse Mederic Leon; Le Maout, Theophile Francois; Marchi, Marc Roger; and Vandenbroucke, Roger Alfred Jules, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Sealing devices. 3,851,900, 12-3-74, Cl. 285-231.000.

Cambra, Joseph M., to United States of America, National Aeronautics and Space Administration. Overvoltage protection network. 3,795,840, 3-5-74, Cl. 317-16.000.

Cambria Spring Company: *See—*
Prasniewski, Jerzy, 3,806,151.

Cambrian Housewares Limited: *See—*
Phipps, Dennis, 3,831,688.

Cambridge Instrument Company, Inc.: *See—*
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Cambridge Memories, Inc.: *See—*
Jauvtis, Harvey I., 3,786,449.
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Cambridge Research and Development Group: *See—*
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Pfund, Charles E., 3,838,218.
Richardson, James E.; and Grover, Harvey H., 3,850,346.
Schiffman, Murray M., 3,786,195.
Schiffman, Murray M., 3,828,361.
Schiffman, Murray M., 3,840,814.
Swain, Stephen C., 3,851,800.

Cambridge, Ronan M.; and Chytil, Milan, to Bell Canada-Northern Electric Research, Limited. Long-line telephone circuit. 3,784,755, 1-8-74, Cl. 179-16.00f.

Cambridge Scientific Instruments, Limited: *See—*
Chang, Tai Hon Philip, 3,795,837.
Cuthbert, John; and Stow, James Albert, 3,784,938.
Denney, Ernest James; and Stokes, Richard William, 3,801,806.
Joy, David Charles; and Booker, Graham Roger, 3,786,271.

Cambridge Thermionic Corporation: *See—*
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Camco, Incorporated: *See—*
Tausch, Gilbert H., 3,786,863.
Tausch, Gilbert H.; and Watkins, Fred E., 3,786,865.
Tausch, Gilbert H.; and Watkins, Fred E., 3,786,866.
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Tausch, Gilbert H., 3,826,309.
Terral, Ben D.; and McGowen, Harold E., Jr., 3,788,397.
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Camelec Limited: *See—*
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Cameli, Nazzareno: *See—*
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Camenzind, Hans R., to Pacific Plantronics, Inc. Amplifier for use in communication systems. 3,786,200, 1-15-74, Cl. 179-81.00b.

Camenzind, Hans R.; and Allison, David F., to Signetics Corporation. Method for making bulk resistor and integrated circuit using the same. 3,798,753, 3-26-74, Cl. 29-580.000.

Camerino, Ernest, to Camerino, Lucian Ernest. Animating device. 3,835,561, 9-17-74, Cl. 40-106.320.

Camerino, Lucian Ernest: *See—*
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Cameron Athletic Corporation: *See—*
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Cameron, Clyde Fraser, to Victoria Industries, Ltd. Mechanical jack. 3,788,604, 1-29-74, Cl. 254-108.000.

Cameron, Colin McKenzie: *See—*
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Cameron, Dugald; Hoetger, Robert A.; and Miller, Ervin R., to Chrysler Corporation. Hydrodynamic transmission. 3,797,332, 3-19-74, Cl. 74-763.000.

Cameron, Frank L.: *See—*
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Blewitt, Donald D.; Cameron, Frank L.; and Vondracek, Charles H., 3,829,808.

Cameron, Frank L.; Carothers, John W.; and Shaw, Woodrow G., to Westinghouse Electric Corporation. Composite sectionalized open-type drop-out-type fusible output with series enclosed current limiting fuse. 3,827,010, 7-30-74, Cl. 337-168.000.

Cameron, Frank L., to Westinghouse Electric Corporation. Method of fabricating improved fuse elements. 3,848,445, 11-19-74, Cl. 72-142.000.

Cameron, Frank L., to Westinghouse Electric Corporation. Dropout electrical fuse. 3,852,696, 12-3-74, Cl. 337-240.000.

Cameron, Frank L.; and Miller, Harold L., to Westinghouse Electric Corporation. Circuit interrupter. 3,855,563, 12-17-74, Cl. 337-221.000.

Cameron, Herbert A. Dowel. 3,791,750, 2-12-74, Cl. 403-297.000.

Cameron, Ian Lewis, to Cefilac Compagnie du Filage des Metaux et des Joints Curty. Hydraulic presses. 3,808,859, 5-7-74, Cl. 72-31.000.

Cameron Iron Works, Inc.: *See—*
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Oliver, John P., 3,835,655.
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Cameron, Robert W., to Timken Company, The. Bearing seal. 3,790,178, 2-5-74, Cl. 277-95.000.

Cameron, Thomas M.; and Kellogg, John L., to International Harvester Company. Fuel tank and hydraulic reservoir arrangement. 3,847,241, 11-12-74, Cl. 180-54.00r.

Cameron, William R. Readily assembled joint. 3,826,053, 7-30-74, Cl. 52-309.000.

Cameron-McIndoo Limited: *See—*
Monahan, William Harold, 3,815,800.

Cameroun Yaounde United Republic of Cameroun, The State of. *See—*
Njimi, M. Thomas; and Charles, George, 3,803,184.

Camin, Leopoldo Lazaro: *See—*
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Caming, Lionel P.; and Fromwiller, Frank J., to Imperial Damper Co., Inc. Damper assembly. 3,783,768, 1-8-74, Cl. 98-110.000.

Camm, John James, to Girling Limited. Servo-boosters for vehicle brake systems. 3,851,565, 12-3-74, Cl. 91-369.00b.

Cammack, Thomas A.: *See—*
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Cammack, Thomas A.; Donahue, William J.; and Gratton, Peter D., to United States of America, Navy. Dual function bomb. 3,808,972, 5-7-74, Cl. 102-7.200.

Cammann Manufacturing Company: *See—*
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Roach, Jere H., 3,833,785.

Cammarata, Peter S., to Searle, G. D., & Co. Labelled sulfated amylopectins and method of determining abnormal gastrointestinal mucosa. 3,852,413, 12-3-74, Cl. 424-1.000.

Cammarata, Vincent N.; Brown, Ronald E.; and Garfinkle, David R., to United States of America, Air Force. Multiple charge incendiary bomblet. 3,797,391, 3-19-74, Cl. 102-4.000.

Cammi, Ferdinano. Anti-theft device. 3,782,862, 1-1-74, Cl. 417-313.000.

Camorota, Mathew: *See—*
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Camosso, Domenico: *See—*
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Camosso, Domenico, to RIV-SKF Officine di Villar Perosa S.p.A. Homokinetic joints. 3,789,624, 2-5-74, Cl. 64-21.000.

Camozzi, Antonio: *See—*
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Camp, Clarence W., to Edlund Company, Inc. Slicing machine for fruits, vegetables and the like. 3,807,266, 4-30-74, Cl. 83-404.400.

Camp, David B.: *See—*
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Camp, Dempsie C.: *See—*
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Camp, Eldridge K.: *See—*
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Camp, Harold E.; and Grier, John D., to Owens-Illinois, Inc. Data printer. 3,810,198, 5-7-74, Cl. 354-12.000.

Camp, Jerome A. Remotely actuated release apparatus for ski bindings. 3,787,868, 1-22-74, Cl. 343-225.00r.

Camp, John W. A., to Ford Motor Company. Clutch release bearing. 3,788,437, 1-29-74, Cl. 192-98.000.

Camp, Richard H. Throttle, ignition and brake controls. 3,845,847, 11-5-74, Cl. 192-3.00s.

Camp, Robert D.: *See—*
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Camp, Ronnie W.: *See—*
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Camp, Thomas L.: *See—*
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Camp Ways Inc.: *See—*
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Camp, William O., Jr., to Cayuga Associates, Inc. Microwave oscillator. 3,803,514, 4-9-74, Cl. 331-107.00g.

Campagna, Antoino C. Burglar alarm system with selectable latching mode. 3,848,242, 11-12-74, Cl. 340-274.000.

Campagna, Benjamin J. Manhole closure assembly with support ring. 3,798,848, 3-26-74, Cl. 52-20.000.

Campagna, Edward R., to Dart Industries Inc. Thermoplastic shielded glass bottle with highly roughened surface. 3,815,865, 6-11-74, Cl. 215-1.00c.

Campagna, Edward R., to Dart Industries, Inc. Covered glass bottle or the like. 3,825,141, 7-23-74, Cl. 215-1.00c.

Campagna, Edward R., to Dart Industries, Inc. Thermoplastic shielded glass bottle. 3,825,142, 7-23-74, Cl. 215-1.00c.

Campagna, Edward R.; Hardy, Donald F.; Palmer, Thomas W., III; Daugherty, Barney R.; and Letawa, John R., to Dart Industries, Inc. Glassware coating apparatus and process therefor. 3,856,498, 12-24-74, Cl. 65-60.000.

Campagne, Nicolaas Van Lookeren: *See—*
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Campagnie des Freins et Signoux Westinghouse: *See—*
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Campagnie des Lampes: *See—*
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Campagnie Internationale Pour l'Informatique: *See—*
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Campagnuolo, Carl J.: *See—*
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Campagnuolo, Carl J; McKindra, Clayton D.; Sewell, Clinton J.; Villarroel, Fernando; and Woolston, Lionel L., to United States of America, Navy. Air-driven generator. 3,783,310, 1-1-74, Cl. 310-15.000.

Campagnuolo, Carl J., to United States of America, Army. Fluidic-electric switch and safety, arming and detonating system using same. 3,792,664, 2-19-74, Cl. 102-70.00r.

Campagnuolo, Carl J.; and Lee, Henry C., to United States of America, Army. Square wedge fluidic generator for electrical and mechanical outputs. 3,798,475, 3-19-74, Cl. 310-15.000.

Campagnuolo, Carl J., to United States of America, Army. Fluidic thermoelectric generator. 3,839,094, 10-1-74, Cl. 136-213.000.

Campagnuolo, Carl J.; Peer, Charles F.; and Rawlings, David L., to United States of America, Army. Fluidic arming system. 3,853,066, 12-10-74, Cl. 102-70.20g.

Campagnuolo, Carl J.; and Curto, Paul A., to United States of America, Army. Self-governing turbine speed limiter. 3,856,432, 12-24-74, Cl. 416-45.000.

Campanella, Samuel J.; and Suyderhoud, Henri G., to Communications Satellite Corporation. Adaptive echo canceller with multi-increment gain coefficient corrections. 3,836,734, 9-17-74, Cl. 179-170.200.

Campanella, Samuel Joseph; Suyderhoud, Henri George; and Onufry, Michael, Jr., to Communications Satellite Corporation (Comsat). Echo canceller with variable threshold. 3,789,165, 1-29-74, Cl. 179-170.200.

Campau, Walter J., to Chrysler Corporation. Shock absorbing starter clutch mechanism. 3,788,151, 1-29-74, Cl. 74-7.00a.

Campbel, Virgil B.: *See—*
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Campbell, Alan H.: *See—*
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Campbell, Alastair; and Thoburn, Allan, to Imperial Chemical Industries Limited. Manufacture of 1, 1,1-trichloroethane. 3,825,609. 7-23-74, Cl. 260-658.00j.

Campbell, Alexander J.: *See—*
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Campbell, Allan A.: *See—*
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Campbell, Charles E.: *See—*
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Campbell, Charles R.: *See—*
Mueller, Werner H.; and Campbell, Charles R., 3,829,490.

Campbell, Charles R.; Danly, Donald E.; and Mueller, Werner H., to Monsanto Company. Process for hydrodimerizing olefinic compounds. 3,830,712, 8-20-74, Cl. 204-73.00a.

Campbell, Curtis M.; McConnell, Walter J.; and Skutecki, Edmund R., to Sperry Rand Corporation. Method and means for increasing the resolution of analog-to-digital converter systems. 3,790,947, 2-5-74, Cl. 340-347.0ad.

Campbell, Curtis M.; and Miller, Ronald J., to Sperry Rand Corporation. Control system for providing a spiral flight path to a radio beacon. 3,848,114, 11-12-74, Cl. 235-150.260.

Campbell, David D., to General Motors Corporation. Shoulder belt positioning arrangement. 3,810,657, 5-14-74, Cl. 280-150.0sb.

Campbell, David Neil, to Hymatic Engineering Company, Limited, The. Cryogenic cooling apparatus. 3,818,720, 6-25-74, Cl. 62-514.000.

Campbell, David W., to American District Telegraph Company Noninterfering electrical signaling. 3,821,479, 6-28-74, Cl. 179-15.0bf.

Campbell, Don A.: *See—*
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Campbell, Donald E.: *See—*
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Campbell, Donald J., to Baldwin, D. H., Company. Rhythmic interpolators. 3,787,601, 1-22-74, Cl. 84-1.030.

Campbell, Eric C.: *See—*
Barlow, Wayne K.; Campbell, Eric C.; and Crockett, Reed G., 3,803,570.

Campbell, Eric C., to Wescor, Inc. Thermocouple hygrometer and method. 3,797,312, 3-19-74, Cl. 73-336.500.

Campbell, Ernest C., Jr., to Steven Manufacturing Company. Wheeled toy. 3,807,085, 4-30-74, Cl. 46-100.000.

Campbell, Francis J.: *See—*
Eisele, John A.; Campbell, Francis J., Faraday, Bruce J.; and Statler, Richard L., 3,830,663.

Campbell, Francis Joseph, to RCA Corporation. Focus-grill cathode-ray tube image reproducer modulation with grill voltage. 3,790,845, 2-5-74, Cl. 315-31.00r.

Campbell, Gary; and Buckingham, Eliot K., to Lockwood Corporation. Worm gear construction. 3,812,737, 5-28-74, Cl. 74-425.000.

Campbell, George E., Jr.; and Lerner, Julius, to Sun Oil Company of Pennsylvania. Valve actuating means. 3,835,736, 9-17-74, Cl. 81-180.00r.

Campbell, George F., Jr.: *See—*
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Campbell, George T. R.: *See—*
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Campbell, George Thomas Richardson, to Algoship International Limited. Trimming pipe system for free-flowing cargoes. 3,835,803, 9-17-74, Cl. 114-73.000.

Campbell, Glenn A.: *See—*
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Campbell, Goerge Thomas Richardson; and Kasuga, Toshishige, to Algoship International Limited. Marine cargo handling crane. 3,845,865, 11-5-74, Cl. 212-57.000.
Campbell, Gregory A.: *See—*
Brown, William B.; and Campbell, Gregory A., 3,809,634.
Campbell, Gregory A.; and Brown, William B., to General Motors Corporation. Process for electrodeposition of paint. 3,855,106, 12-17-74, Cl. 204-181.000.
Campbell, Henry Fred, to Campbell Research Corporation. Industrial building construction. 3,842,560, 10-22-74, Cl. 52-468.000.
Campbell, Hubert J., to Miller Bros., Co., (1962) Limited, The. Single pulping system for multiple pulp stocks used in paperboard machine. 3,833,465, 9-3-74, Cl. 162-129.000.
Campbell, J. A., Company: *See—*
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Babcock, John C.; and Campbell, J. Allan, 3,833,622.
Campbell, J. Allan; and Babcock, John C., to Upjohn Company, The. Organic compounds. 3,846,456, 11-5-74, Cl. 260-397.300.
Campbell, James: *See—*
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Campbell, James D.: *See—*
Maurey, Joseph E.; and Campbell, James D., 3,815,432.
Campbell, James D., Jr.; and Maurey, Joseph E., to Maurey Manufacturing Corporation. Multiple groove pulley construction. 3,782,211, 1-1-74, Cl. 74-230.17c.
Campbell, James F., Jr.; Engvall, Arthur E.; and Lewis, Arthur E., to Fairchild Camera and Instrument Corporation. Method of protecting against electrochemical effects during metal etching. 3,847,690, 11-12-74, Cl. 156-13.000.
Campbell, James R.; and Rainwater, Miles, said Rainwater assor. of 50% to Mahoney, Thomas P. Blind fastener construction. 3,796,125, 3-12-74, Cl. 85-77.000.
Campbell, James W., to Wetoma Corporation. Panel cutting method and apparatus. 3,826,164, 7-30-74, Cl. 83-23.000.
Campbell, James W. Method for cutting panels. 3,844,426, 10-29-74, Cl. 214-152.000.
Campbell, Jeptha E.; and Gilchrist, James E., to United States of America, Health, Education and Welfare. Instrumental method for plating and counting aerobic bacteria. 3,799,844, 3-26-74, Cl. 195-127.000.
Campbell, John B.; Cluff, Edward Fuller; and Sarafidis, Christos, to Du Pont de Nemours, E. I., and Company. Mineral oil composition. 3,790,480, 2-5-74, Cl. 252-59.000.
Campbell, John B., to Du Pont de Nemours, E. I., and Company. Branched-chain hydrocarbon elastomers. 3,817,883, 6-18-74, Cl. 260-5.000.
Campbell, John B.; and Thurn, Robert Dean, to Du Pont de Nemours, E. I., and Company. Ozone resistant compositions. 3,817,884, 6-18-74, Cl. 260-5.000.
Campbell, John B.; and Thurn, Robert Dean. Branched-chain hydrocarbon elastomers. 3,819,591, 6-25-74, Cl. 260-80.780.
Campbell, John B., to Du Pont de Nemours, E. I., and Company. Branched-chain hydrocarbon elastomers. 3,843,613, 10-22-74, Cl. 260-78.5bb.
Campbell, John H., to General Electric Company. Sequential discharge fluorescent lamp. 3,849,689, 11-19-74, Cl. 313-190.000.
Campbell, John J.; and Hart, Cullen P., to Caterpillar Tractor Company. Steering system for vehicles. 3,783,966, 1-8-74, Cl. 180-79.20r.
Campbell, John Scott; Fairchild, John L.; Lafond, Robert L.; and Kilker, Carl R., to Faxon Communications Corporation. Graphic indicia video signal acquisition transmission and reproduction system. 3,843,839, 10-22-74, Cl. 178-6.000.
Campbell, John Stewart; and Davies, Phineas, to Imperial Chemical Industries, Limited. Catalytic process. 3,849,538, 11-19-74, Cl. 423-213.500.
Campbell, Joseph: *See—*
Boyko, Eugene S.; Campbell, Joseph; and Wiggins, Roger J., 3,842,238.
Campbell, Kenneth E. Knockdown reel. 3,822,841, 7-9-74, Cl. 242-115.000.
Campbell, Kenneth J., to United States of America, Navy. Bandwidth measurement system. 3,813,599, 5-28-74, Cl. 325-67.000.
Campbell, Kenneth J., to United States of America, Navy. Automatic noise figure indicator. 3,821,648, 6-28-74, Cl. 325-363.000.
Campbell, Laurie Jay: *See—*
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Campbell, Leonard Richard, to RCA Corporation. Capacitive-discharge timing circuit using comparator transistor base current to determine discharge rate. 3,808,466, 4-30-74, Cl. 307-293.000.
Campbell, Lyman L.: *See—*
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Campbell, Mahlon E.; and Walker, William D., to Midwest Research Institute. Solid film lubricant with polyamide binder. 3,844,953, 10-29-74, Cl. 252-12.000.
Campbell, Peter. Workholder. 3,812,629, 5-28-74, Cl. 51-216.00r.
Campbell Research Corporation: *See—*
Campbell, Henry Fred, 3,842,560.
Campbell, Rhody R., to Airtex Products; division of United Industrial Syndicate. Filter cartridge and air dome constructions. 3,805,958, 4-23-74, Cl. 210-136.000.
Campbell, Richard A., to Baltimore Brushes, Inc. Talking toy. 3,798,833, 3-26-74, Cl. 46-227.000.
Campbell, Richard D.; Grundy, Reed H.; Noble, Peter M.; Darrow, John O. G.; Pohle, Frank H.; and Franke, Raymond C., to Westinghouse Air Brake Company. Vehicle-carried inductive pickup device. 3,808,425, 4-30-74, Cl. 246-8.000.
Campbell, Richard D. Series of shirt cuff assemblies. 3,808,605, 5-7-74, Cl. 2-123.000.
Campbell, Richard H., Jr.; and Wilkens, William B., to Wilcom Products, Inc. Capacitive probe structure for testing the integrity of electrical cables and conductors. 3,798,541, 3-19-74, Cl. 324-72.500.
Campbell, Robert E.; Hetzler, Lewis R.; and Huntzinger, Gerald O., to General Motors Corporation. Internal combustion engine ignition system. 3,824,977, 7-23-74, Cl. 123-148.00e.
Campbell, Robert Henry; Rader, Charles Phillip; and Wright, Robert Lee, to Monsanto Company. Treating metal clad steel wire for application of organic adhesive. 3,819,399, 6-25-74, Cl. 117-49.000.
Campbell, Robert N., Jr.: *See—*
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Campbell, Robert W.; and Marrs, Oren L., to Phillips Petroleum Company. Laminating process and article produced thereby. 3,821,072, 6-28-74, Cl. 161-214.000.
Campbell, Robert W., to Phillips Petroleum Company. Amorphous copolyamide from bis(4-aminocyclohexyl) methane, phenyl indane dicarboxylic acid and alkane dicarboxylic acid. 3,838,111, 9-24-74, Cl. 260-78.00r.
Campbell, Robert W.; and Hill, H. Wayne, Jr., to Phillips Petroleum Company. Production of polyamides from aqueous slurry of 5-methyl-1,-nonanediamine and terephthalic acid. 3,839,295, 10-1-74, Cl. 260-78.00r.
Campbell, Robert W., to Phillips Petroleum Company. Sequential preparation of tractable polyterephthalamides. 3,839,296, 10-1-74, Cl. 260-78.00r.
Campbell, Robert W.; Stapp, Paul R.; and Holtz, Hans D., to Phillips Petroleum Company. Amorphous polyamide from bis(4-aminocyclohexyl) methane, bis(carboxyphenyl) methane and alkylene dicarboxylic acid. 3,839,299, 10-1-74, Cl. 260-78.00r.
Campbell, Robert W., to Phillips Petroleum Company. Amorphous polyamides from bis(4-aminocyclohexyl) methane and a mixture of straight chain dicarboxylic acids. 3,842,045, 10-15-74, Cl. 260-78.00r.
Campbell, Robert W., to Phillips Petroleum Company. Copolyamide from terephthalic acid, dodecandioic acid and dodecane diamine. 3,843,611, 10-22-74, Cl. 260-78.00r.
Campbell, Roger G.; Goff, Richard E., Jr.; and Guay, Normand D., to Johnson & Johnson. Narrow elastic waistband. 3,842,437, 10-22-74, Cl. 2-237.000.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Priestley, Joseph A., to Johnson & Johnson. Narrow elastic fabric for use as waistband in articles of apparel. 3,788,365, 1-29-74, Cl. 139-421.000.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Guay, Normand D., to Johnson & Johnson. Narrow elastic fabric. 3,788,366, 1-29-74, Cl. 139-421.000.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Priestley, Joseph A., to Johnson & Johnson. Trousers having narrow elastic fabric waistband. 3,813,698, 6-4-74, Cl. 2-237.000.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Guay, Normand D., to Johnson & Johnson. Narrow elastic fabric. 3,842,438, 10-22-74, Cl. 2-237.000.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Staffier, Thomas L., to Johnson & Johnson. Method for manufacturing a non-slip waistband product. 3,854,978, 12-17-74, Cl. 117-44.000.
Campbell, Roger W.: *See—*
Cator, Dennis W.; Campbell, Roger W.; and Felix, Gerardus L., 3,831,962.
Campbell, Roger W.; Aukmanis, Edvards B.; and Placko, Milan, to General Motors Corporation. Steering actuator for tandem axles. 3,831,963, 8-27-74, Cl. 280-81.00a.
Campbell, Roger W.; Aukmanis, Edvards B.; and Placko, Milan, to General Motors Corporation. Swivel assembly for steerable axle. 3,831,964, 8-27-74, Cl. 280-81.00a.
Campbell, Ronald J.: *See—*
Sleppy, William C.; and Campbell, Ronald J., 3,855,086.
Campbell, Ronald R.: *See—*
Herger, Zoltan L.; Kavanagh, Thomas S.; Olmsted, Dennis R.; and Campbell, Ronald R., 3,854,674.
Campbell, Rouel R. Epicyclic camera. 3,834,788, 9-10-74, Cl. 352-84.000.
Campbell, Scott V.: *See—*
Long, Thomas R.; Miller, Warren H., Jr.; and Campbell, Scott V., 3,782,716.
Campbell Soup Company: *See—*

Blacker, Harold F., 3,837,045.
Hudson, James A., 3,782,878.
Ramsay, Joseph D.; and Weaver, George R., 3,800,893.
Von Lersner, Wolf A.; and Singer, Harry H., 3,797,069.
Campbell, Sylvester J. Liquid waste treatment. 3,846,293, 11-5-74, Cl. 210-18.000.
Campbell, Thomas C.: *See—*
Stenger, Richard E.; Gardella, Arthur J.; and Campbell, Thomas C., 3,854,285.
Campbell, Trevor G., to Caterpillar Tractor Company. Dual lever control. 3,795,152, 3-5-74, Cl. 74-471.00r.
Campbell, Trevor G.; and Chamberlain, Monte, to Caterpillar Tractor Company. Combined transmission gear selector and engine speed control. 3,795,157, 3-5-74, Cl. 74-879.000.
Campbell, Trevor G.; and Russey, James W., to Caterpillar Tractor Company. Electromagnetic bucket positioner for heavy equipment vehicles and the like. 3,823,647, 7-16-74, Cl. 91-358.00a.
Campbell, Trevor G., to Caterpillar Tractor Company. Cylindrical bearing assembly. 3,843,216, 10-22-74, Cl. 308-36.100.
Campbell, Wallace C., Jr.: *See—*
Calvin, Edward A.; Wheeler, Lionel H.; Brooks, Robert E., Jr.; and Campbell, Wallace C., Jr., 3,851,519.
Campbell, Wallace Clealon, Jr.: *See—*
Clavin, Edward A.; Wheeler, Lionel H.; Brooks, Robert E., Jr.; and Campbell, Wallace Clealon, Jr., 3,834,210.
Campbell, William A.: *See—*
Goodhart, Frank; and Campbell, William A., 3,791,222.
Campbell, William B.; and Adamson, Arthur P., to General Electric Company. Anti-icing spinner construction. 3,794,444, 2-26-74, Cl. 416-201.000.
Campbell, William G., Jr.: *See—*
Yablonski, Robert E.; Hager, George S.; and Campbell, William G., Jr., 3,824,870.
Campbell, William L. Sub soil irrigator and tree lift. 3,811,388, 5-21-74, Cl. 111-7.100.
Campenon Bernard Europe: *See—*
Lehanneur, Claude J., 3,835,654.
Campiani, Noem Mabel: *See—*
Spano, Eduardo Victor; Sueiro, Otilia; Gonzalez, Oscar Pedro; and Campiani, Noem Mabel, 3,794,087.
Campiglia, Giuseppe. Flushing tank for water closet or the like. 3,832,739, 9-3-74, Cl. 4-41.000.
Campion, Alexander David: *See—*
Parsey, Michael Richard; and Campion, Alexander David, 3,800,019.
Campion, David John, to Cylinder Forming Limited. Cylinder forming. 3,848,449, 11-19-74, Cl. 72-349.000.
Campisano, Fred M. Window arrangement. 3,789,548, 2-5-74, Cl. 49-162.000.
Campisi, Jimmy T. Binocular pocket. 3,782,614, 1-1-74, Cl. 224-5.00v.
Campman, Clemens Adrianus Maria. Method and apparatus for producing pile fabric. 3,856,597, 12-24-74, Cl. 156-72.000.
Campman, James P., to Vidar Laboratories, Inc. Intrusion detecting apparatus. 3,803,572, 4-9-74, Cl. 340-258.00b.
Campman, James P., to Vidar Laboratories, Inc. Intrusion detecting apparatus. 3,840,868, 10-8-74, Cl. 340-258.00b.
Campus Sweater & Sportswear Company: *See—*
Furnari, Anthony, 3,799,084.
Camras, Marvin, to IIT Research Institute. Transducer machine for slideable reception of and automatic electric connection with a hand held type self-contained tape recorder. 3,805,288, 4-16-74, Cl. 360-91.000.
Camras, Marvin, to IIT Research Institute. Offset carrier recording system and method. 3,806,638, 4-23-74, Cl. 178-5.600.
Camras, Marvin, to IIT Research Institute. Video transducing apparatus. 3,821,786, 6-28-74, Cl. 358-4.000.
Camras, Marvin, to IIT Research Institute. Transducer system. 3,824,619, 7-16-74, Cl. 360-36.000.
Camras, Marvin, to IIT Research Institute. Video transducing electric circuits. 3,833,920, 9-3-74, Cl. 360-33.000.
Camras, Marvin; and Galus, Stanley A., to IIT Research Institute. Indexing system with manual or automatic multichannel and with manual fine adjustment. 3,833,923, 9-3-74, Cl. 360-106.000.
Camras, Marvin, to ITT Research Institute. Video transducer system and cartridge therefor. 3,849,797, 11-19-74, Cl. 360-93.000.
Canacho, Vasco G.: *See—*
Anderson, James J.; Canacho, Vasco G.; and Kinney, Robert E., 3,849,368.
Canada Barrels & Kegs, Limited: *See—*
Cressman, Fred D., 3,795,121.
Canada Cane Equipment, Ltd.: *See—*
Miller, Robert Boothe; and Laurie, C. Keith, 3,796,809.
Canada Data Canada, Ltd., mesne: *See—*
Murphy, John R. B.; and Plett, Edelbert G., 3,835,701.
Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence: *See—*
Cote, Paul; and Roy, Charles A., 3,787,770.
Hyne, Graham Everett, 3,848,202.
Kuehn, Lorne A.; and McHattie, Lloyd E., 3,855,863.
Mar, John; Garrett, Todd; Reynaud, Albert H.; Vigneron, Frank; and Gerrish, Robert J., 3,803,540.
Slaght, William F., 3,819,863.
Slaght, William Francis; and Boutin, Julien F., 3,792,354.
Stubbs, Royston A., 3,817,085.
Canada Packers Limited: *See—*
Khouw, Boen Tie; and Kesler, Johan Peter, 3,809,748.
Canada Valve Limited: *See—*
Fortune, Ronald, 3,807,444.
Canada Wire and Cable Company Limited: *See—*
Dudley, Michael Alan; and Claessens, Pierre Leon, 3,835,005.
Montgomery, Ian David, 3,803,703.
Canada-Cities Sercice Ltd.: *See—*
Hendry, Robert D., 3,799,613.
Canada-Cities Service Ltd.: *See—*
Cymbalisty, Lubomyr M. O., 3,847,789.
Hendry, Robert D., 3,799,613.
Kaminsky, Victor Paul, 3,784,464.
Lupul, Silver, 3,796,652.
Schutte, Robert, 3,816,305.
Canadian Cellulose Company, Limited: *See—*
Gibney, Kelly B.; and Evans, Russell S., 3,846,403.
Canadian Copper Refiners Limited: *See—*
Bolger, Justin C.; and Molvar, Henry E., Jr., 3,804,724.
Canadian General Electric Company, Limited: *See—*
Boothman, David Richard; and Nutt, David Walter, 3,838,314.
Boothman, David Richard; and Nutt, David Walter, 3,845,354.
Boothman, David Richard; and Nutt, David Walter, 3,848,160.
Christie, Donald M. Lye, Ronald W.; and Rehder, Robert H., 3,823,248.
Howard, John Francis, 3,801,945.
Thayer, Victor R., 3,789,113.
Young, John A. I., 3,801,898.
Young, John A. I., 3,806,906.
Canadian Industries Limited: *See—*
Barnes, John Grober; Bizon, Emil; Murray, Charles Robertson; Rowley, Edward Kenneth; and Waugh, Clayton Thomas, 3,812,769.
Holden, Harold William; and Schreiber, Henry Peter, 3,847,651.
Jones, Elwyn David, 3,835,755.
McKee, James Glen, 3,791,297.
Murray, Charles Robertson, 3,833,166.
Canadian Ingersoll-Rand Company Limited: *See—*
Young, Douglas L. G., 3,807,470.
Young, Douglas L. G., 3,814,244.
Canadian International Paper Company: *See—*
Kalisch, John Hans; Tombler, George; Hurtubise, Fernand Guy; and Kopanidis, Jordan, 3,795,574.
MacDonald, Richard C.; and Martin, Noel E., 3,856,012.
Canadian Marconi Company: *See—*
Clark, David Keenan, 3,802,523.
Denoncourt, Gilles J., 3,813,604.
Kwong, Michael, 3,809,877.
Canadian National Railway Company: *See—*
Cass, George Robert, 3,832,635.
Canadian Patents and Development, Limited: *See—*
Aref, Moustafa M.; Stroz, John J.; and Johnson, Gordon W., 3,857,974.
Astill, Cyril J., 3,787,060.
Bayley, Henry S.; and Carlson, Walter E., 3,818,089.
Benoiton, Norman L.; Tong, Jeffrey H. Y.; D'Iorio, Antoine; and Petitclerc, Jean C., 3,813,317.
Bergh, Arne Knut; and Rodgers, Peter George, 3,822,117.
Blais, Pierre J.J.,B.; Carlsson, David J.; and Wiles, David M., 3,829,324.
Cox, Louis G.; Kusters, Norbert L.; and MacMartin, Malcolm P., 3,842,349.
Della Torre, Edward; and Dimyan, Magid, 3,827,035.
Faurschou, Donald K.; Misener, Donald C.; Pope, James C.; and Hadden, Richard, 3,809,639.
Grunwald, Raymond, 3,836,061.
Horton, Donald J.; and Stanley-Jones, Martin L., 3,823,398.
Irvine, Owen R., 3,822,361.
Johnston, Donald A.; and Voss, Walter A., 3,851,131.
Juneja, Subhash C., 3,832,316.
Kusters, Norbert L.; and Moore, William J. M., 3,849,727.
Lambert, Alfred F., 3,815,708.
Maitlis, Peter M.; White, Colin; Kang, Jung W.; and Gill, Devinder S., 3,849,459.
Mathur, Radhey Mohan, 3,783,313.
McIlhinney, Allan E.; Sirianni, Aurelio Frederick; Capes, Charles Edward; and Puddington, Ira E., 3,796,308.
McLeod, William; and Hoey, Gordon R., 3,806,375.
Norton, John A. P.; McLaughlan, Thomas A.; and Kusec, Davor J., 3,805,156.
Raal, Johan D., 3,794,566.
Ritcey, Gordon Malcolm; and Lucas, Bernard Henry, 3,835,213.
Romero-Sierra, Cesar Aurelio; Caron, Lionel; and Beaudry, Gerard, 3,792,854.

Romero-Sierra, Cesru Aurelio; and Tanner, Joseph A., 3,799,162.
Ruel, Maurice M. J.; and Sirianni, Aurelio Frederick, 3,844,759.
Scott, Peter Michael; and van Walbeek, Wilhelmina, 3,838,171.
Sirianni, Aurelio F.; and Puddington, Ira L., 3,796,790.
Sirianni, Aurelio F.; and Puddington, Ira E., 3,817,974.
Sirianni, Aurelio F.; Funnell, Norman A.; and Puddington, Ira E., 3,857,925.
Szabo, Erwin I., 3,850,733.
Vankoughnett, Allan L., 3,851,132.

Canadian Porcelain Company Limited: *See*—
Rosenblatt, Gordon, 3,836,705.

Canadian Wood Council: *See*—
Perlus, Tibor G.; and Soroka, Walter G., 3,840,388.

Canuiy, Peter G. Label printing. 3,834,302, 9-10-74, Cl. 101-69.000.

Canalizo, Carlos R., to Otis Engineering Corporation. Locking devices. 3,856,081, 12-24-74, Cl. 166-123.000.

Canavan, Thomas E. Off-road vehicle. 3,783,958, 1-8-74, Cl. 180-5.00r.

Canavesi, Roberto; Aglietti, Giancarlo; and Calcagno, Benedetto, to Societa' Italiana S.I.R. S.p.A. Method for acid reactivating lead poisoned hydrogenation catalysts. 3,804,777, 4-16-74, Cl. 252-413.000.

Canay, Muzaffer, to Brown Boveri & Company Limited. Electronic circuit for exciting asynchronous-start slipringless synchronous motors. 3,793,572, 2-19-74, Cl. 318-174.000.

Canci, Daniel G. Meal service set. 3,854,624, 12-17-74, Cl. 221-96.000.

Cancilla, Edward; and McClanahan, Bernard E., to Ace Tank and Heater Company. Combined condensate return, boiler feed and blowdown tank. 3,802,398, 4-9-74, Cl. 122-382.000.

Cand-Aire Industries, Inc.: *See*—
Principe, Andrew H.; and Glynn, Emmett P., 3,817,108.

Candek, Anthony J.: *See*—
Levine, Samson P.; Kugler, Ralph W.; Candek, Anthony J.; and Long, Arthur H., 3,798,093.

Candellero, Giovanni; and Aimo, Stefano, to FIAT Societa per Azioni. Clutch, brake and motor controls for synchronized gear shifting. 3,834,499, 9-10-74, Cl. 192-.090.

Canderton, Norman Victor; and Goadby, Walter, to Camber International (England) Limited. Patterning mechanism for multi-feed circular knitting machines. 3,824,809, 7-23-74, Cl. 66-50.00r.

Candiani, Giampiero, to Societa Italiana Telecomunicazioni Siemens S.p.A. Binary-code compressor. 3,789,392, 1-29-74, Cl. 340-347.0dd.

Candiani, Giampiero, to Societa' Italiana Telecomunicazioni, Siemens S.p.A. Channel monitor for compressed-code PCM transmission system. 3,798,635, 3-19-74, Cl. 340-347.0dd.

Candid Logic, Inc.: *See*—
Tann, Lewis H.; Carroll, Robert J.; and Linke, Donald L., 3,855,708.

Candle Corporation of America: *See*—
Kayne, Marvin L., 3,840,327.

Candlin, Peter Philip: *See*—
Surrall, Alan John; and Candlin, Peter Philip, 3,845,545.

Candor, James T.: *See*—
Candor, Robert R.; and Candor, James T., 3,816,070.
Tassone, Joseph V.; and Candor, James T., 3,830,362.

Candor, James T. Method and apparatus for removing and/or separating particles from fluid containing the same. 3,795,605, 3-5-74, Cl. 204-299.000.

Candor, James T. Frame construction for a plural page document. 3,807,071, 4-30-74, Cl. 40-104.020.

Candor, James T.; and Tassone, Joseph V. Package construction for baseball tee, bat and ball. 3,819,038, 6-25-74, Cl. 206-223.000.

Candor, James T. Method for playing strategy golf. 3,820,786, 6-28-74, Cl. 273-32.00r.

Candor, James T. Method and apparatus for removing and/or separating particles from fluid containing the same. 3,849,275, 11-19-74, Cl. 204-180.00r.

Candor, Robert R.; and Candor, James T. Method and apparatus for treating porous material with fluid. 3,816,070, 6-11-74, Cl. 8-158.000.

Candy, James Charles, to Bell Telephone Laboratories, Incorporated. Analog-to-digital converter. 3,820,111, 6-25-74, Cl. 340-347.0ad.

Cane, Albert: *See*—
Dunn, Ralph; Ayton, Ian F.; Cane, Albert; Collins, Harold B.; Lewis, J. Stephen; Morris, Joseph P.; and Shapero, Wallace H., 3,834,974.
Shapero, Wallace H.; and Cane, Albert, 3,809,661.

Canella, Luigi, to Italimpianti Societa Italiana Impianti p.a. Bulk material blending and reclaiming apparatus. 3,831,735, 8-27-74, Cl. 198-36.000.

Canepa, Angelo: *See*—
Rosa, Giovanni; and Canepa, Angelo, 3,835,707.

Canepa, William P., to Kay-Cee Industrial Products, Inc. Adhesive slide fastener product. 3,785,014, 1-15-74, Cl. 24-205.16r.

Canevari, Gerard P., to Esso Research and Engineering Company. Oil slick dispersant and method. 3,793,218, 2-19-74, Cl. 252-312.000.

Canevari, Gerard P., to Esso Research and Engineering Company. Capillary device. 3,797,250, 3-19-74, Cl. 61-10.000.

Canevari, Gerard P.; and Cooper, William M., Jr., to Exxon Research and Engineering Company. Foamed vapor barrier. 3,850,206, 11-26-74, Cl. 141-1.000.

Canevari, Roger: *See*—
Regnier, Gilbert; Canevari, Roger; and Laubie, Michel, 3,808,210.
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Regnier, Gilbert; Canevari, Roger; and Le Douarec, Jean-Claude, 3,824,249.
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Canfield, Douglas M.: *See*—
Cahnman, Hugo N.; Sterne, Frank; and Canfield, Douglas M., 3,833,975.

Canfield, Robert C.; Neta, Thomas E.; and Wiesenborn, Robert F., to Monsanto Company. Process for alkylation of aromatic compounds. 3,813,451, 5-28-74, Cl. 260-671.00p.

Canfield, Russell, to Tuflok, Inc. Chain-type door fastening device. 3,809,418, 5-7-74, Cl. 292-264.000.

Canham, William H. Sanitary disposable holder for articles of personal hygiene. 3,794,181, 2-26-74, Cl. 211-65.000.

Cann, Lyle L., to Chemetron Corporation. Apparatus for making compacted pellets of solid phase carbon dioxide. 3,786,645, 1-22-74, Cl. 62-35.000.

Cann, Lyle L., to Chemetron Corporation. Chiller apparatus. 3,841,109, 10-15-74, Cl. 62-266.000.

Cann, Peter L., to Carrier Corporation. Sheet metal compressor enclosure. 3,792,881, 2-19-74, Cl. 52-758.00d.

Cann, Peter L.; and Duell, Richard J. 4Carrier Corporation. Centrifugal fan. 3,803,690, 4-16-74, Cl. 29-156.40r.

Cannarozzo, Thomas Albert. Parachute pack. 3,830,453, 8-20-74, Cl. 244-148.000.

Cannaway, Paul Henry: *See*—
Haslam, Fred; Horsewell, Henry George; and Cannaway, Paul Henry, 3,853,039.

Cannelongo, Joseph Fredrick: *See*—
Savides, Christos; and Cannelongo, Joseph Fredrick, 3,783,146.

Canning, Glenn R. Pilfer-proof merchandise card holding device. 3,785,501, 1-15-74, Cl. 211-7.000.

Canning, Glenn R. Pilfer-proof merchandise card holding device. 3,805,996, 4-23-74, Cl. 221-76.000.

Canning, Glenn R. Pegboard display rack. 3,827,569, 8-6-74, Cl. 211-7.000.

Canning, Michael L., to Intersil Incorporated. CMOS digital division network. 3,829,713, 8-13-74, Cl. 307-225.00c.

Canning, Thomas N., to United States of America, National Aeronautics and Space Administration. Heater-mixer for stored fluids. 3,782,698, 1-1-74, Cl. 259-60.000.

Canning, Thomas N., to United States of America, National Aeronautics and Space Administration. Bimetallic fluid displacement apparatus. 3,782,699, 1-1-74, Cl. 259-98.000.

Canning, William H.: *See*—
Chafetz, Harry; Canning, William H.; and Morissette, Bertrand G., 3,810,837.

Cannon, Geoffrey Donald; De'Ath, Roderick Michael; and Griffiths, Donald Ernest, to Metal Box Company, Limited, The. Injection/blow-moulding apparatus. 3,807,923, 4-30-74, Cl. 425-242.00b.

Cannon, Glyn E. Method and apparatus for anchoring underwater pipelines. 3,841,105, 10-15-74, Cl. 61-72.300.

Cannon, Glyn E.; Kruger, James R.; Short, Theodore A.; and Jobe, Benjamin L., to Seascope Services, Inc. Apparatus and method for offshore operations. 3,851,492, 12-3-74, Cl. 61-69.00r.

Cannon, John Allister; and Tracton, Arthur Allen, to Ciba-Geigy Corporation. Epoxide-dimethylol propionic acid reaction product with amine aldehyde condensate. 3,792,112, 2-12-74, Cl. 260-834.000.

Cannon, Max R., to International Business Machines Corporation. Automatic magnetic tape information retrieval system with speed and position tape drive control. 3,851,116, 11-26-74, Cl. 279-100.20s.

Cannon, Maxwell R.: *See*—
Brock, George W.; Cannon, Maxwell R.; and Shelledy, Frank B., 3,829,896.

Cannon, Maxwell R., to International Business Machines Corporation. Digital recording at twice nyquist bandwidth. 3,789,380, 1-29-74, Cl. 340-174.10g.

Cannon, Maxwell R., to International Business Machines Corporation. Resynchronizable recording system. 3,821,798, 6-28-74, Cl. 360-51.000.

Cannon, Raybon C.; and Wiesboeck, Robert A., to United States Steel Corporation. Process for the manufacture of high-purity lithium hexafluoroarsenate. 3,848,063, 11-12-74, Cl. 423-464.000.

Cannon, Robert E.: *See*—

Cannon, Robert E.; and Pehoski, Walter L. (said Pehoski assor. to said), 3,792,619.

Cannon, Robert E.; and Pehoski, Walter L., said Pehoski assor. to said Cannon, Robert E. Constant tension ball screw feed design. 3,792,619, 2-19-74, Cl. 74-89.150.

Cannon, Robert W. Arrangement for providing access to a sealed incubator system. 3,797,172, 3-19-74, Cl. 49-463.000.

Cannon, Sidney E.: *See*—
Keith, Billy M.; Bussey, James R.; Cannon, Sidney E.; Patton, James C.; Fisher, Perry G.; Caldwell, Joseph H.; and Crocker, Ralph H., Jr., 3,819,837.

Cannondale Corporation: *See*—
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Canoga Controls Corporation: *See*—
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Canon Camera Kabushiki Kaisha: *See*—
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Tanaka, Hiroshi; and Komiya, Takao, 3,801,317.

Canon Denishi Kabushiki Kaisha: *See*—
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Canon Denshi Kabushiki Kaisha: *See*—
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Hosaka, Iwao; and Yokota, Yuji, 3,827,083.

Canon Inc.: *See*—
Nagashima, Shinichiro; and Tsuchiya, Kaichi, 3,852,208.
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Canon Kabushiki Kaisha: *See*—
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Aizawa, Hiroshi; and Ogiso, Mitsutoshi, 3,820,141.
Akiyama, Mikio; and Yoshii, Isao, 3,801,197.
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Asou, Michiko, 3,798,354.
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Fukuda, Makoto; Nakano, Tatsuo; and Kishi, Ikuji, 3,855,166.
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Cantarano, Marcus. Devices for reproducing by photoelectric method. 3,853,397, 12-10-74, Cl. 355-3.00r.

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Cantor, Stephen E.; and Brett, Thomas J., Jr., to Uniroyal Inc. Polyol N,N'',N''-tris(2-hydroxy-3-(beta-cyanoethoxy) propyl)-N'-aminoethylpiperazine. 3,816,425, 6-11-74, Cl. 260-268.0cn.

Cantor, Stephen E.; Brindell, Gordon Dwight; and Quint, Robert John, to Uniroyal, Inc. Method for stabilizing glycidol. 3,819,662, 6-25-74, Cl. 260-348.00r.

Cantor, Stephen Edward, to Uniroyal; Inc. Curing of elastomers with halosulfonamides. 3,808,176, 4-30-74, Cl. 260-79.30r.

Cantrell, Audrey M. Apparatus and method for treating hair. 3,786,819, 1-22-74, Cl. 132-9.000.

Cantrell, C. M., 40% to Petrek, John P. Interphase mass transfer process from lamina flowing films .005 in. thick. 3,788,954, 1-29-74, Cl. 203-89.000.

Cantrell, William T., to Square D Company. Raintight enclosure with multiple covers. 3,794,205, 2-26-74, Cl. 220-29.000.

Cantwell, David Byrne. Golf bag. 3,799,227, 3-26-74, Cl. 150-1.50r.

Cantwell, Hugh Francis, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Fluidic pressure ratio control. 3,783,903, 1-8-74, Cl. 137-805.000.

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Cantz, Rudolf, to Kennametal Inc. Anti skid element for a vehicle tire. 3,831,655, 8-27-74, Cl. 152-210.000.

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Canup, Robert E., to Texaco Inc. Ignition system including DC-AC inverter. 3,808,513, 4-30-74, Cl. 321-45.00r.

Canup, Robert E., to Texaco Inc. High-frequency continuous-wave ignition system. 3,818,885, 6-25-74, Cl. 123-148.00e.

Canup, Robert E., to Texaco Inc. High frequency type ignition system. 3,820,520, 6-28-74, Cl. 123-148.00e.

Canup, Robert E., to Texaco Inc. Ignition system utilizing a saturable-core square wave oscillator circuit. 3,847,129, 11-12-74, Cl. 123-148.00e.

Canup, Robert E., to Texaco Inc. High frequency continuous-wave ignition energy for an internal combustion engine. 3,853,106, 12-10-74, Cl. 123-148.00e.

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Capellman, John J.; Stultz, James C.; and Cooper, Joseph E., to PPG Industries, Inc. Hydraulic-setting bonding agent and refractory compositions made therefrom. 3,824,105, 7-16-74, Cl. 106-64.000.

Caperton, Charles B. Restraining tube for sewer rod. 3,805,462, 4-23-74, Cl. 52-108.000.

Caperton, Charles B. Coupling means for sewer rod. 3,814,529, 6-4-74, Cl. 403-393.000.

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Caplan, David. Portable bidet. 3,808,608, 5-7-74, Cl. 4-7.000.

Caplan, Harry W. Curved paper panel reflective structure. 3,841,738, 10-15-74, Cl. 350-293.000.

Caplan, Sidney W.; and Molson, William N., to Component Systems, Inc. Wall framing system using prefabricated panels. 3,813,832, 6-4-74, Cl. 51-206.000.

Caplan, Stanley J., to Accralube Company. Anti-corrosion lubricating compound. 3,784,472, 1-8-74, Cl. 252-25.000.

Caple, Ira; Banks, Charles T.; and Voss, Jorg F., to Kimberly-Clark Corporation. Diagonal mandrel traverse winder. 3,799,468, 3-26-74, Cl. 242-56.00r.

Caporaso, Achille J., to McNulty, Wayne L. Vacuum cleaner attachment for shag rugs. 3,795,938, 3-12-74, Cl. 15-369.000.

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Caporiccio, Gerardo; and Strepparola, Ezio, to Montecatini Edison S.p.A. Acrylic and methacrylic monomers, polymers and copolymers thereof. 3,814,741, 6-4-74, Cl. 260-86.10e.

Capot, Lucien, to Subsea Equipment Associates Limited (SEAL). System for connection of two immersed conduits. 3,841,665, 10-15-74, Cl. 285-2.000.

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Cappa, Giulio, to Industrie Pirelli S.p.A. Pneumatic tire for vehicle wheels. 3,799,233, 3-26-74, Cl. 152-361.00r.

Cappel, Fred; Otto, Jurgen; Nikl, Siegfried; and Rausch, Hans, to Metallgesellschaft Aktiengesellschaft. Process for burning hydrocarbons and cracked products in exhaust gases from sintering machines. 3,857,694, 12-31-74, Cl. 75-5.000.

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Cappelle, Norman D.; and Tap, Henry H., to Oak Industries, Inc. Slip Clutch for television fine tuning mechanism. 3,791,226, 2-12-74, Cl. 74-10.800.

Cappelletti, Richard R., to Lambda Development Ltd. Orthopedic device for combination with a plaster cast. 3,832,997, 9-3-74, Cl. 128-85.000.

Cappelli, Quido A., to Danker & Wohlk, Inc. Artificial eye and method of construction. 3,846,199, 11-5-74, Cl. 156-61.000.

Capper, Keith C., to Aquarian-Age-Inventor, Inc. Combination book holder and book stand. 3,813,075, 5-28-74, Cl. 248-461.000.

Cappetta, Joseph G.; and Langdo, Steven H., to United States of America, Army. Testing method and apparatus for simulating acceleration functions. 3,845,665, 11-5-74, Cl. 73-432.0sd.

Cappiello, Pierre, to L'Air Liquide, Societe Anonyme pour L'Etude et l'Exploitation des Procedes George Claude. Dissolving a volatile fraction in a liquefied gas. 3,830,073, 8-20-74, Cl. 62-17.000.

Cappotto, Samuel D.; Diamond, Herrick R.; and Zeamer, Aaron C., to SCM Corporation. Typewriter ribbon cartridge. 3,804,227, 4-16-74, Cl. 197-151.000.

Cappotto, Samuel D., to SCM Corporation. Stuffed ribbon cartridge. 3,814,231, 6-4-74, Cl. 197-168.000.

Cappotto, Samuel D., to SCM Corporation. Typewriter ribbon cartridge for endless loop ribbon. 3,830,351, 8-20-74, Cl. 197-168.000.

Cappuyns, Joseph Marie: *See—*
Smolderen, Albert Emiel; and Cappuyns, Joseph Marie, 3,795,080.
Smolderen, Albert Emiel; and Cappuyns, Joseph Marie, 3,817,468.

Capra, Nicholas G.; and Toth, Vincent. Liquid dispenser. 3,792,800, 2-19-74, Cl. 222-43.000.

Capra, Uberto. Vehicle-washing apparatus. 3,793,667, 2-26-74, Cl. 15-21.00e.

Caprari, Fausto, to RCA Corporation. Series regulated power supply for arc discharge lamps utilizing incandescent lamps. 3,813,576, 5-28-74, Cl. 315-205.000.

Caprielian, Leon Raymond. Wristwatch band. 3,830,414, 8-20-74, Cl. 224-4.00d.

Caprio, Gerald L.; and Parker, Norman W., to Motorola, Inc. Automatic hue control circuit. 3,852,807, 12-3-74, Cl. 358-28.000.

Caprio, Lawrence A.: *See—*
Gerson, Ronald L.; and Caprio, Lawrence A., 3,855,700.

Capriotti, John J. Parking indicators for automobiles. 3,786,412, 1-15-74, Cl. 340-54.000.

Capuano, Antonio, to ISM Corporation, mesne. Mold for machines for applying thermoplastic box toes to shoe uppers. 3,795,466, 3-5-74, Cl. 425-117.000.

Capuano, Italo A., to Olin Corporation. Moisture analysis method. 3,799,846, 3-26-74, Cl. 204-1.00t.

Capuano, Italo A., to Ionics, Incorporated, mesne. Total mercury monitor. 3,826,614, 7-30-74, Cl. 23-230.00r.

Capuano, Italo A., to Ionics, Incorporated, mesne. Automatic mercury monitor. 3,826,618, 7-30-74, Cl. 23-232.00r.

Capucio, Eugene G. Drop-out toaster. 3,824,915, 7-23-74, Cl. 99-329.0rt.

Caputi, Arthur, Jr.; and Wong, Thomas C., to E. & J. Winery. Fibrous cellulose acetate filter material. 3,842,007, 10-15-74, Cl. 210-65.000.

Caputi, Renzo. Apparatus for controlling the movement of piece goods in dyeing and finishing machines. 3,830,084, 8-20-74, Cl. 68-178.000.

Caputo, James P.: *See—*
Buedel, Charles K.; and Caputo, James P., 3,783,255.
Buedel, Charles K.; and Caputo, James P., 3,805,038.
Weber, Fred A.; Caputo, James P.; Eddy, John W.; Harrington, Phil R.; O'Toole, Gerald; Puccini, Sergio E.; and Adamski, Diane L., 3,819,865.

Caputo, James P.; and O'Toole, Gerald, to GTE Automatic Electric Laboratories Incorporated. Data handling system maintenance arrangement for rechecking signals. 3,783,256, 1-1-74, Cl. 235-153.0ak.

Caputo, James P.; and Weber, Fred A., to GTE Automatic Electric Laboratories, Incorporated. Data handling system error and fault detecting and discriminating maintenance arrangement. 3,784,801, 1-8-74, Cl. 235-153.0ak.

Caputo, James P., to GTE Automatic Electric Laboratories, Incorporated. Maintenance control arrangement employing data lines

for transmitting control signals to effect maintenance functions. 3,838,398, 9a24-74, Cl. 340-172.500.
Caputo, William R.; and Mullis, Clyde M., to Westinghouse Electric Corporation. Method of constructing electrical apparatus. 3,820,238, 6-28-74, Cl. 29-606.000.
Caputo, William R., to Westinghouse Electric Corporation. Elevator system. 3,821,628, 6-28-74, Cl. 321-9.00r.
Capy, Marcel, to Compagnie Europeene pour l'Equipement Menager CEPEM. Gas burner having lateral openings and a device for deflecting the flames upwards. 3,817,689, 6-18-74, Cl. 431-349.000.
Capy, Marcel, to Compagnie Europeene Pour l'Equipment Menager CEPEM. Control device for gas burner. 3,845,582, 11-5-74, Cl. 34-1.000.
Car Tapes Inc.: *See*—
Herst, Richard J., 3,828,720.
Cara, Jean-Francois, to Industrialisation Rationnelle du Batiment IRBA GP. Structural clip. 3,834,112, 9-10-74, Cl. 52-760.000.
Carabbio, Robert M.: *See*—
Voorhees, John E.; and Carabbio, Robert M., 3,817,067.
Carad, Inc.: *See*—
Cass, Boyd E., 3,799,762.
Caradeur, Robert R.; Cardone, John E.; and Broussard, Ernest E., to Cesco, Inc. Tube cleaning device. 3,817,262, 6-18-74, Cl. 134-167.00c.
Caradot, Patrice, to Marrel, Bennes. Regulation device for hydraulic turbo-retarders. 3,805,928, 4-23-74, Cl. 188-290.000.
Carando Machine Works: *See*—
Spaan, Harry C., 3,845,656.
Caras, Peter,; and Pike, Walter E., to SSP Industries,. Duct joint. 3,799,586, 3-26-74, Cl. 285-98.000.
Caratsch, Hans-Peter. Apparatus for applying a thermoplastic material in the form of mutually isolated deposits to a surface structure. 3,814,052, 6-4-74, Cl. 118-60.000.
Caravans International (motorised) Limited: *See*—
Duff, Peter James; and Toomey, Denis, 3,843,189.
Caravello, John. Picture frame for framing and holding a plurality of pictures. 3,813,799, 6-4-74, Cl. 40-152.000.
Caravello, Ronald G.; and Mickowski, John, to Porta Systems Corporation. Electronic automatic dialing apparatus. 3,858,009, 12-31-74, Cl. 179-90.0bd.
Caraway, Mitchell R.: *See*—
Simmons, Smith H.; and Caraway, Mitchell R., 3,788,018.
Carbide Form Grinding Inc.: *See*—
Perlamn, Morris, 3,831,474.
Carbidex Corporation: *See*—
Chambers, Arthur E., 3,823,351.
Carbo-Scrap, Inc., mesne: *See*—
Holowaty, Michael O.; and Stirling, Harold T., 3,833,343.
Carboni, Victor B.; and Harrison, Paul, to Consolidated Foods Corporation. Positive registration labeling gun. 3,782,279, 1-1-74, Cl. 101-288.000.
Carbonnel, Henri: *See*—
Ertaud, Andre; Panossian, Jacques; and Carbonnel, Henri, 3,837,763.
Carbonnel, Henri, to Groupement Atomique Alsacienne Atlantique Plessis Robinson. Conduction pump for corrosive liquid metals. 3,785,744, 1-15-74, Cl. 417-50.000.
Carbonnel, Henri; and Borie, Robert, to Gronpement Atomique Alsacienne Atlantique. Immersion pump for pumping corrosive liquid metals. 3,787,143, 1-22-74, Cl. 417-50.000.
Carbonnel, Henri; and Le Frere, Jean-Paul, to Groupement Atomique Alsacienne Atlantique. Installation for the treatment and movement of liquid metals. 3,809,379, 5-7-74, Cl. 266-34.00v.
Carbonnel, Henri; and Borie, Robert, to Groupement Atomique Alsacienne Atlantique. Conduction pump for conveying corrosive metals. 3,809,497, 5-7-74, Cl. 417-50.000.
Carbonnel, Pierre Andre: *See*—
Obellianne, Pierre Marie Joseph; Carbonnel, Pierre Andre; Loiseau, Gerard Paul Marie Henri, and Millescher, Rene Jean, 3,843,656.
Carbonnet, Henri; and Borie, Robert, to Groupement Atomique Alsacienne Atlantique. Forous conductive ceramic electrodes for corrosive liquid metal conduction pump. 3,829,243, 8-13-74, Cl. 417-50.000
Carborundum Company, The: *See*—
Allan, William John, 3,807,570.
Bailey, Wallace O.; McMurtry, Carl H.; and Miccioli, Bruno R., 3,808,012.
Baughman, Davis Lee; and Carpenter, James Hugh, Jr., 3,852,919.
Carpenter, James H., 3,821,866.
Carpenter, James H.; and Bowling, Joseph E., Jr., 3,829,029.
Carpenter, James H., Jr., 3,782,643.
Carpenter, James H., Jr.; and Nalley, Don B., 3,832,809
Carpenter, James H., Jr.; and Ixer, Bernard W., 3,848,815.
Cottis, Steve G.; Economy, James; and Nowak, Bernard E., 3,829,406.
Economy, James; Cottis, Steve G., and Nowak, Bernard E., 3,784,405.
Economy, James; Cottis, Steve G.; and Nowak, Bernard E., 3,816,417.
Economy, James; and Matkovich, Vlado I., 3,825,469.
Economy, James; and Lin, Ruey Y., 3,831,760.
Economy, James; and Wohrer, Luis C., 3,835,072.
Economy, James; Highsmith, Ronald E.; and Mason, John H., 3,837,997.
Economy, James; and Nowak, Bernard E., 3,845,099.
Economy, James; and Storm, Roger S., 3,849,362.
Economy, James; Cottis, Steve G.; and Nowak, Bernard E., 3,857,814.
Farrell, William F., Jr., 3,838,188.
Green, John S.; Luttrell, John E.; and Schmitz, James E., 3,828,934.
Juhasz, Charles, 3,812,816.
Lawler, Harry A., 3,841,954.
Lin, Ruey Y.; Murty, Hari N.; and Pietrantuone, Anthony J., 3,821,074.
Loricchio, Domingos, 3,789,050.
McMurtry, Carl H.; and Murata, Yorihiro, 3,849,344.
Murata, Yorihiro, 3,843,375.
Murata, Yorihiro; and McMurtry, Carl H., 3,852,086.
O'Connor, Michael P., Jr., 3,832,273.
Parris, John L.; and Oldham, Herman J., 3,833,112.
Shaffer, Peter T. B., 3,839,544.
Sypitkowski, James R., 3,844,947.
Taylor, Kenneth M.; and Palicka, Richard J., 3,796,564.
Vaughan, Raymond C., 3,804,582.
Wallis, Craig; and Melnick, Joseph L., 3,816,304.
Wallis, Craig; and Melnick, Joseph L., 3,836,458.
Carborundum Company, The, mesne: *See*—
Greenwood, James, 3,795,496.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Time division communication system. 3,787,630, 1-22-74, Cl. 179-15.0at.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Time division communication system. 3,804,989, 4-16-74, Cl. 179-15.0at.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Polarity reversal circuit. 3,823,271, 7-9-74, Cl. 179-86.000.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Communication system hybrid balance arrangement 3,828,145, 8-6-74, Cl. 179-170.0nc.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Ripple free counter. 3,833,822, 9-3-74, Cl. 307-225.00c.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Polarity reversal switching circuit. 3,849,607, 11-19-74, Cl. 179-86.00.
Carbrey, Robert Lawrence, to Bell Telephone Laboratories, Incorporated. Signal shaping circuit. 3,852,619, 12-3-74, Cl. 307-268.000.
Carbuny, Max, to Westinghouse Electric Corporation. Gas monitoring system. 3,788,742, 1-29-74, Cl. 356-5.000.
Carcia, Peter P.: *See*—
Burgarella, John P.; Carcia, Peter P.; and Kee, Richard C., 3,820,128.
Carco, Inc.: *See*—
Peterson, Rudolph G., 3,802,301.
Card & Co. Inc.. *See*—
Hammel, Wallace W., Jr., 3,847,098.
Card, Charles D.; and Crane, John R., to Sperry Rand Corporation. Character addressing in a word oriented computer system. 3,828,316, 8-6-74, Cl. 340-172.500.
Cardarelli, Nothan F., to Goodrich, B. F., Company, The. Biocidal elastomeric composition and method for dispersing biocides therewith. 3,851,053, 11-26-74, Cl. 424-78.000.
Cardas, Octavian. Pressure regulating means for gas storage tanks included in severage systems. 3,845,780, 11-5-74, Cl. 137-251.000.
Carde, Ring: *See*—
Roelofs, Wendell; Kochansky, Jan; and Carde, Ring, 3,845,108.
Cardell, Max L., to Fiber Industries, Inc. Yarn splicing apparatus. 3,822,538, 7-9-74, Cl. 57-22.000.
Cardenas, Carlos G.; and Brady, Donnie G., to Phillips Petroleum Company. Flame-resistant polymeric compositions containing brominated adducts of acyclic trienes. 3,792,116, 2-12-74, Cl. 260-861.000.
Cardenas, Ricardo L.: *See*—
Carlin, Joseph T.; Flournoy, Kenoth H.; and Cardenas, Ricardo L., 3,796,266.
Flournoy, Kenoth H.; Cardenas, Ricardo L.; Haferkamp, Gilbert L.; and Shupe, Russell D., 3,811,504.
Flournoy, Kenoth H.; Cardenas, Ricardo L.; Haferkamp, Gilbert L.; and Shupe, Russell D., 3,811,505.
Cardenas, Ricardo L., Carlin, Joseph T.; and Flournoy, Kenoth H., to Texaco Inc. Surfactant oil recovery process for use in formations containing high concentrations of polyvalent ions such as calcium or magnesium. 3,799,264, 3-26-74, Cl. 166-275.000.
Carder, Victor H., to Cochran-Boothe Airport Systems. Freight transporter and loader for aireraft 3,854,610, 12-17-74, Cl. 214-520.000.

Cardiac Pacemakers, Inc.: *See*—
Adducci, Anthony J.; and Schwalm, Arthur W., 3,822,707.
Cardiff, George H., to Metal Fab Inc. Combination insulated flue and thermosyphon chimney. 3,842,721, 10-22-74, Cl. 98-60.000.
Cardin, Carl J., Sr. Locking hitch box cover. 3,782,761, 1-1-74, Cl. 280-507.000.
Cardinal Engineering Corporation: *See*—
Mooney, William D., 3,806,292.
Cardinal Industries Incorporated: *See*—
Staab, Donald C., 3,788,704.
Staab, Donald C., 3,796,462.
Cardinal Instrument Corporation: *See*—
Marsilia, Louis P.; and Moran, Robert J., 3,785,208.
Cardinal, Jutta; Heinrich, Karl; and Bauer, Gunther, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Voluminous filament yarn and process to prepare same. 3,857,233, 12-31-74, Cl. 57-157.00r.
Cardinal of Adrian, Inc.: *See*—
MacDonald, Robert D., 3,829,137.
MacDonald, Robert D., 3,853,341.
Cardinal, Philip, to Conat Industries Limited, mesne. Humidifying unit. 3,833,052, 9-3-74, Cl. 165-20.000.
Carding Specialists (Canada) Limited: *See*—
Varga, John Maximilian Jules, 3,827,106.
Carding Specialists Co., Limited: *See*—
Whittaker, Harold, 3,790,728.
Whittaker, Harold, 3,843,868.
Cardiodynamics, Inc.: *See*—
Lawhorn, Richard D., 3,823,708.
Cardon, Carlos D.; and Griffone, Lawrence P., to Sperry Rand Corporation. Digital detector of an analog signal. 3,845,399, 10-29-74, Cl. 328-138.000.
Cardone, John E.: *See*—
Caradeur, Robert R.; Cardone, John E.; and Broussard, Ernest E., 3,817,262.
Cardone, Michele; Grandini, Angelo; and Zaramella, Bruno. Magnetic anchoring device for graphic arts. 3,786,386, 1-15-74, Cl. 335-295.000.
Cardoza, Joe, to Cardoza, John R. Baler wire tension control assembly. 3,851,575, 12-3-74, Cl. 100-4.000.
Cardoza, John R.: *See*—
Cardoza, Joe, 3,851,575.
Cardozo, Jacques: *See*—
Lemonnier, Pierre; Cardozo, Jacques; and Grandgury, Georges, 3,796,805.
Cardwell, Gilbert I., Jr., to Hughes Aircraft Company. Bilateral power conditioner for spacecraft. 3,816,804, 6-11-74, Cl. 320-9.000.
Cardwell, Joseph R.; and Berry, True J. Fishing rod holder. 3,832,796, 9-3-74, Cl. 43-25.000.
Cardwell, Joseph Robin; and Pout, Christopher Ronald, to British Petroleum Company Limited, The. Reforming with platinum and tantalum or niobium catalyst. 3,799,867, 3-26-74, Cl. 208-139.000.
Cardwell, Paul H.: *See*—
Barton, Bruce E.; and Cardwell, Paul H., 3,832,295.
Kane, William S.; and Cardwell, Paul H., 3,795,596.
Kane, William S.; and Cardwell, Paul H., 3,809,624.
Kane, William S.; and Cardwell, Paul H., 3,810,827.
Kane, William S.; and Cardwell, Paul H., 3,832,165.
McCutchen, Hugh L.; and Cardwell, Paul H., 3,855,089.
Cardwell, Paul H.; and Olander, James A. Method for separating nickel from cobalt in aqueous solution. 3,854,851, 12-17-74, Cl. 423-24.000.
Cardwell Westinghouse Company: *See*—
Daugherty, David W., Jr., 3,797,673.
Kanjo, Wajih, 3,836,180.
Peterson, Bertil E.; and Housman, Richard J., 3,785,679.
Peterson, Bertil E., 3,797,097.
Cardy, Charles Frederick: *See*—
Crampton, Clifford Archibald; and Cardy, Charles Frederick, 3,849,448.
Care, Inc.: *See*—
Winfield, Armand G.; and Winfield, Barbara L., 3,819,466.
Carella, Richard F. Archery bowsight. 3,798,783, 3-26-74, Cl. 33-265.000.
Carella, Richard F. Archery bowsight. 3,811,195, 5-21-74, Cl. 33-265.000.
Carella, Richard F. Arrow. 3,853,320, 12-10-74, Cl. 273-106.50c.
Caresio, John C., to Masonite Corporation. Process of making hardboard. 3,793,139, 2-19-74, Cl. 162-225.000.
Careson, Paul A., to Wagner Electric Corporation. Electronic member circuits. 3,803,515, 4-9-74, Cl. 331-111.000.
Caretta, Ferdinando: *See*—
Mezzanotte, Mario; Caretta, Ferdinando; and Turchetti, Gianni, 3,853,163.
Caretta, Renato, to Industrie Pirelli S.p.A. Stitching apparatus for tire building machines and relative stitching method. 3,819,449, 6-25-74, Cl. 156-413.000.
Caretto, Howard L.; Cook, Charles W.; and Johnson, Gustave A., to AFA Protective Systems, Inc. Signaling system utilizing frequency burst duration and absence for control functions. 3,815,093, 6-4-74, Cl. 340-152.00t.
Carey, Andrew J.: *See*—
Huffman, Donald D.; and Carey, Andrew J., 3,794,832.
Carey, Carlton F. Variable aperture X-ray shield. 3,849,649, 11-19-74, Cl. 250-320.000.
Carey, Curtis D.; and Platzke, Ronald N., to Kennecott Copper Corporation. Process for recovering selenium values from aqueous solutions containing molybdenum, rhenium and selenium values. 3,848,069, 11-12-74, Cl. 423-508.000.
Carey, Edward J., to Chevron Research Company. Oxygen control by injection of a reducing gas in a catalyst regenerator. 3,857,794, 12-31-74, Cl. 252-419.000.
Carey, John Gerard: *See*—
Beacham, John; and Carey, John Gerard, 3,793,335.
Colchester, John Edward; Cairns, John Francis; and Carey, John Gerard, 3,824,245.
Carey, John Gerard; and Case, John Reginald, to Imperial Chemical Industries Limited. Manufacture of 1,1'-disubstituted-4,4'-bipyridylium salts. 3,793,319, 2-19-74, Cl. 260-246.00b.
Carey, John R. Bolt with concealed safety cable. 3,797,868, 3-19-74, Cl. 292-57.000.
Carey, John R. Rotary locking bolt. 3,804,440, 4-16-74, Cl. 292-58.000.
Carey, Loren E.: *See*—
Abbatiello, Leonard A.; Carey, Loren E.; Ferree, Donald V.; and Green, Walter L., 3,834,256.
Carey, Peter Majendie; and Lai-Hing, Courtney, to Lektromedia Ltd. Method and apparatus for displaying information on the screen of a monitor. 3,821,730, 6-28-74, Cl. 340-324.0ad.
Carey, Raymond L.: *See*—
McConnell, William M.; Bradley, William H.; Chappell, Howard E.; and Carey, Raymond L., 3,803,901.
Carey, Thomas H.: *See*—
Alibert, Vernon F.; and Carey, Thomas H., 3,783,309.
Carey, Wayne C., 1/3 each to Carey, Wendel W. and Freeland, Kay. Spray-type pan release and method of making the same. 3,821,007, 6-28-74, Cl. 106-150.000.
Carey, Wendel W.: *See*—
Carey, Wayne C., 3,821,007.
Cargagna, Paul D., to Du Pont de Nemours, E. I., and Company. Coating solution of citric acid, malonic acid, or the acid ester of citric of malonic acid and a selected polyhydroxy aliphatic acid; and a. 3,819,562, 6-25-74, Cl. 260-33.40r.
Cargill, Incorporated: *See*—
Ireland, Donald T., 3,840,651.
Cargill, Robert L., to Research Corporation. Intermediate for synthesis of housefly sex attractant. 3,798,273, 3-19-74, Cl. 260-593.00r.
Cargo, Charles H.: *See*—
Lauck, Robert B.; Meyer, Lawrence L.; and Cargo, Charles H., 3,812,925.
Carias, Andre. Braking device for vehicles. 3,797,612, 3-19-74, Cl. 188-79.000.
Cariboo Pulp and Paper Company: *See*—
Sen, Biswanath, 3,796,628.
Cariddi, John C., to Singer Company, The. Latching mechanism for knitting machine carriage. 3,823,580, 7-16-74, Cl. 66-60.000.
Cariddi, John Charles: *See*—
Rogers, Howard David; Cariddi, John Charles; and Schaeflern, Henry, 3,835,670.
Carignan, Lucien W.: *See*—
Barrette, Oliver T., Jr.; and Carignan, Lucien W., 3,816,876.
Carignani, Milvio; Conti, Michele; Dufour-Berte, Casimiro, Rossi, Geremia; Pasero, Edoardo; and Zmolnig, Hermann, to Italsider S.p.A. Method and device for transforming slurries coming from wet purification plants for fumes from blast furnaces and basic oxgen furnaces into a controlled size granular solid material. 3,851,827, 12-3-74, Cl. 241-65.000.
Carillon, Antoine: *See*—
Jaegle, Pierre; Carillon, Antoine; Dhez, Pierre; Jamelot, Gerard; Sureau, Alain; Cukier, Michel; Dupeyrat, Monique; and Vogel, Claudine, 3,826,996.
Carillon, Frank R.; Meyer, William E.; and Ramazzotti, Dario J., to McNeil Corporation. Rotational molding machine. 3,829,272, 8-13-74, Cl. 425-430.000.
Caring, Alfred B., to Belding Heminway Company, Inc. Sewing tape. 3,794,554, 2-26-74, Cl. 161-109.000.
Carini, Francis F.; and Abbott, Steven R., to Essex International, Inc. Insulated cable with sheath of controlled peel strength and method. 3,787,255, 1-22-74, Cl. 156-51.000.
Carini, George F.: *See*—
Davies, Ben; Carini, George F.; and Weaver, Ernest P., 3,852,080.
Carini, George F.; Williams, George H.; and Burhans, Richard Orman, to Dresser Industries, Inc. Semi-silica plastic refractory composition. 3,791,835, 2-12-74, Cl. 106-68.000.
Carini, Raymond N.: *See*—
Scheppe, John J.; and Carini, Raymond N., 3,786,573.

Cariou, Jean M.; and Juhasz, Jean, to Etablissements Gardinier. Reactor suitable for reactions between two fluids. 3,844,721, 10-29-74, Cl. 23-259.200.

Carissimi, Vincent L.: *See—*
Gartland, Albert J., Jr.; Carissimi, Vincent L.; and Riley, George A., 3,835,437.

Carissimi, Vincent L.; and Kress, George H., to Hubbell, Harvey, Incorporated. Heavy duty plug. 3,787,798, 1-22-74, Cl. 339-107.000.

Carissimi, Vincent L.; and Jaconette, Frank C., Jr., to Hubbell, Harvey, Incorporated. Heavy duty connector. 3,801,757, 4-2-74, Cl. 200-50.00b.

Carissimi, Vincent L., to Hubbell, Harvey, Incorporated. Weatherproof enclosure for electrical devices. 3,813,640, 5-28-74, Cl. 339-156.00r.

Carithers, Val G., to Reynolds Metals Company. Alumina catalyst support. 3,856,708, 12-24-74, Cl. 252-463.000.

Carl Hurth Maschinen-und Zahnradfabrik: *See—*
Loos, Herbert, 3,828,597.

Carl, James R., to United States of America, Air Force. Integrated window, antenna, and waveguide with plasma alleviation. 3,846,798, 11-5-74, Cl. 343-705.000.

Carl Manufacturing Company Ltd.: *See—*
Mori, Chuzo, 3,820,264.
Mori, Chuzo, 3,835,560.

Carl, Robert C.: *See—*
Moore, Glenn E.; and Carl, Robert C., 3,782,401.

Carlan, Alan J.: *See—*
Wislocky, Joseph; and Carlan, Alan J., 3,831,067.

Carlberg, Bobbie L., to Continental Oil Company. Method of coating the interior surface of a metal vessel and the coated vessel. 3,837,899, 9-24-74, Cl. 117-92.000.

Carlberg, Charles E., to Jackson, Byron, Inc. Hydraulic pipe tong apparatus. 3,796,418, 3-12-74, Cl. 269-26.000.

Carlberg, Edwin W., 50% to Simpson, Dale O. Secure money changing and money receiving system system. 3,783,884, 1-8-74, Cl. 133-1.00r.

Carlbuilt, Inc.: *See—*
Cramb, Clayton V., 3,820,223.

Carle & Montanari S.p.A.: *See—*
Consoli, Claudio C., 3,840,190.

Carlen, Jan-Christer Henric Ovesson: *See—*
Merkell, Karl Ake; and Carlen, Jan-Christer Henric Ovesson, 3,854,363.

Carlen, Jan-Christer Henric Ovesson; and Bergqvist, Claes Bertil, to Sandvik Aktiebolag. Corrosion resistant edge tools such as razor blades. 3,826,697, 7-30-74, Cl. 148-37.000.

Carles, Maurice; and Fra, Jacky, to Commissariat a l'Energie Atomique. Method of purification of uranium hexafluoride. 3,806,579, 4-23-74, Cl. 423-19.000.

Carleson, Bengt Jonas Timoteus, to Telefonaktiebolaget LM Ericsson. Adjustable equalizing network. 3,835,411, 9-10-74, Cl. 330-31.000.

Carleton, James T.: *See—*
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Carleton, James T., to Westinghouse Electric Corporation. Digital integration apparatus and method. 3,786,491, 1-15-74, Cl. 340-347.0nt.

Carleton, James T., to Westinghouse Electric Corporation. Compensation apparatus and method. 3,786,492, 1-15-74, Cl. 340-347.0cc.

Carleton, William A., to Bendix Corporation, The. Anti-knock flow valve. 3,797,522, 3-19-74, Cl. 137-528.000.

Carletti, Vittorio: *See—*
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Carley, Adam Loran. Method and apparatus for thermal viscosity modulating a fluid stream. 3,790,703, 2-5-74, Cl. 178-6.60r.

Carley, Adam Loran. Fountain solution image apparatus for electronic lithography. 3,800,699, 4-2-74, Cl. 101-147.000.

Carley, Jay L.: *See—*
Kuring, Victor M.; Smith-Vaniz, William R.; Carley, Jay L.; Shine, William P.; and Darling, Richard H., 3,801,408.

Carli, Alvin J.: *See—*
Deming, Andrew F.; and Carli, Alvin J., 3,851,125.

Carli, Renzo, to Carrozzeria Pininfarina S.p.A. Motor vehicle with sunshine roof. 3,819,227, 6-25-74, Cl. 296-137.00d.

Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., to Sun Chemical Corporation. Isocyanate-modified esters. 3,783,151, 1-1-74, Cl. 260-471.00c.

Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., to Sun Chemical Corporation. Radiation curable printing ink compositions comprising an isocyanate-modified polyfunctional ester and a photoinitiator. 3,825,479, 7-23-74, Cl. 204-159.230.

Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., to Sun Chemical Corporation. Presensitized printing plates. 3,840,369, 10-8-74, Cl. 96-33.000.

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Felmann, Ted S.; Carlile, Hollis B., Jr.; and Blankenhorn, Charles F., 3,853,771.

Carlin, James Walter Colardeau, Roger Joseph, to Bell Telephone Laboratories, Incorporated. Waveguide expansion joint. 3,822,412, 7-2-74, Cl. 333-98.00r.

Carlin, Joseph T.: *See—*
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Carlin, Joseph T.; Flournoy, Kenoth H.; and Cardenas, Ricardo L., to Texaco Inc. Surfactant oil recovery process. 3,796,266, 3-12-74, Cl. 166-305.00r.

Carlin, Joseph T., to Texaco Inc. Tar sand recovery method. 3,811,506, 5-21-74, Cl. 166-274.000.

Carlin, Joseph T.; and Allen, Joseph C., to Texaco Inc. Tertiary recovery operation. 3,834,461, 9-10-74, Cl. 166-245.000.

Carlin, Joseph T., to Texaco Inc. Viscous petroleum recovery process. 3,854,531, 12-17-74, Cl. 166-272.000.

Carlin, William W., to PPG Industries, Inc. Opening of molybdenite ores. 3,816,588, 6-11-74, Cl. 423-49.000.

Carlin, William Worth, to PPG Industries, Inc. Method for reducing the organo-lead compound content of aqueous solutions by electrolysis in an electrolyte permeable metallic cathode electrolytic cell. 3,799,853, 3-26-74, Cl. 204-149.000.

Carling O'Keefe Limited: *See—*
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Carlini, Anthony M. Lighting device for a helmet or the like. 3,793,517, 2-19-74, Cl. 240-60.000.

Carlino, Anthony L. Golf club. 3,817,534, 6-18-74, Cl. 273-168.000.

Carlino, Frank, to Electronic Memories & Magnetics Corporation. Magnetic core memory. 3,803,563, 4-9-74, Cl. 340-174.0ma.

Carlise, Robert L., to Rockwell International Corporation. Phase-scanned radiating array. 3,855,597, 12-17-74, Cl. 343-768.000.

Carlisle Corporation: *See—*
Smith, Jerry L.; and Powling, Frank F., 3,829,633.

Carlisle, Denis Richard; and Nichols, John Joseph, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Fuel burners. 3,788,067, 1-29-74, Cl. 60-39.74b.

Carlisle, Gilbert A.; and Frank, Charles E., to General Motors Corporation. Overcenter latch mechanism for a tilting truck cab. 3,819,225, 6-25-74, Cl. 296-35.00r.

Carlisle, Richard S. Plastic-film containers with self-sealing orifices. 3,815,794, 6-11-74, Cl. 222-491.000.

Carlisle, Richard S. Highly absorbent pressure dressing for wounds. 3,824,996, 7-23-74, Cl. 128-165.000.

Carlos, Donald Dante; and Hicks, Darrell D., to Celanese Coatings & Specialties Company. Deodorization of sulfide containing polymers. 3,833,550, 9-3-74, Cl. 260-80.750.

Carlow, Earl F., to Motorola, Inc. Multi-frequency signal generator. 3,792,360, 2-12-74, Cl. 328-14.000.

Carlsen, Henning Gunnar. Pressure spring for a thermoprinter. 3,848,720, 11-19-74, Cl. 197-1.00r.

Carlsen, Jon Erik Marius: *See—*
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Carlsen, W. John, to General Telephone & Electronics Laboratories, Incorporated. Image-plane carrier hologram recording system using spherical wavefronts. 3,813,139, 5-28-74, Cl. 350-3.500.

Carlsen, W. John, to General Telephone & Electronics Laboratories, Incorporated. Method and apparatus for recording and projecting holograms. 3,834,786, 9-10-74, Cl. 350-3.500.

Carlsmith, Lawrence A.; Mallory, William L.; and Perkins, Joseph K., to Improved Machinery, Inc. Apparatus for the gaseous reaction of material. 3,785,577, 1-15-74, Cl. 241-57.000.

Carlsmith, Lawrence A., to Improved Machinery Inc. Gaseous reaction apparatus including a peripheral gas receiving chamber. 3,814,664, 6-4-74, Cl. 162-236.000.

Carlson, Alden J.: *See—*
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Carlson, Alfred D.; and Kasper, Joseph G., to Tennant Company. Filter chamber. 3,792,569, 2-19-74, Cl. 55-288.000.

Carlson, Andrew, & Sons, Inc.: *See—*
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Carlson, Andrew L.; and Pinezich, John R., to Carlson, Andrew, & Sons, Inc. Septic tank construction. 3,826,376, 7-30-74, Cl. 210-519.000.

Carlson, Arthur E., to Winpower Manufacturing Company. Generator, synchronous motor and phase converter. 3,818,316, 6-18-74, Cl. 322-1.000.

Carlson, Arthur, Jr.: *See—*
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Carlson, Arthur W., to Velsicol Chemical Corporation. Process for preparing a methano-poly-cyclic hydroquinone. 3,810,945, 5-14-74, Cl. 260-619.00f.

Carlson, Arthur W., to Sheldon, E. H., and Company. Stream table study center. 3,827,290, 8-6-74, Cl. 73-86.000.

Carlson, Arthur W.; and Blodee, Leif, to Sheldon, E. H., and Company, Laboratory working sink station. 3,856,372, 12-24-74, Cl. 312-209.000.

Carlson, Carl H.; and Slaker, Frank A., to Outboard Marine Corporation. Aerating machine. 3,834,464, 9-10-74, Cl. 172-22.000.

Carlson, Carl J., Jr.: *See—*
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Carlson, Charles J.: *See—*
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Carlson, Chesley F., Co.: *See—*
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Carlson, David Emil; Hang, Warren Kenneth; and Stockdale, George Fairbank, to RCA Corporation. Method of treating a glass body to provide an ion-depleted region therein. 3,811,855, 5-21-74, Cl. 65-30.000.

Carlson, David John, to RCA Corporation. High frequency automatic gain control circuits. 3,792,359, 2-12-74, Cl. 325-319.000.

Carlson, David John, to RCA Corporation. Transistor oscillator with diode in feedback circuit providing amplitude stabilization. 3,855,550, 12-17-74, Cl. 331-109.000.

Carlson, Donald C.: *See—*
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Carlson, Donald E., to Mark Controls Corporation. Backflow preventer. 3,850,190, 11-26-74, Cl. 137-218.000.

Carlson, Donald W.: *See—*
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Carlson, Edward Ronald, to Presray Corporation, The. Pneumatically sealable flood panel assembly. 3,796,010, 3-12-74, Cl. 49-477.000.

Carlson, Edwin S., to ACF Industries, Incorporated. Safety vent system for tanks. 3,845,878, 11-5-74, Cl. 220-89.00a.

Carlson, Elmer A., to International Telephone and Telegraph Corporation. Comfort control system and components thereof. 3,815,668, 6-11-74, Cl. 165-26.000.

Carlson, Elmer A., to International Telephone and Telegraph Corporation. Temperature control system and thermostat therefor. 3,833,859, 9-3-74, Cl. 330-69.000.

Carlson, Elmer T. Enclosed cablebus setup. 3,803,343, 4-9-74, Cl. 174-71.00b.

Carlson, Ernest C.; Brudnak, Andrew, Jr.; and Yeh, Rudolph E., to International Harvester Company. Backhoe swing mechanism. 3,815,766, 6-11-74, Cl. 214-138.00r.

Carlson, Floyd E. Radial piston pump. 3,788,779, 1-29-74, Cl. 417-462.000.

Carlson, Franklin J., to C & C Products, Inc., mesne. Poultry picking machines. 3,840,938, 10-15-74, Cl. 17-11.10r.

Carlson, Gilbert F. Elastic seal. 3,840,266, 10-8-74, Cl. 296-23.0mc.

Carlson, Glen R., to Celotex Corporation, The. Hollow poppet valve. 3,815,871, 6-11-74, Cl. 251-310.000.

Carlson, Gordon A., to PPG Industries, Inc. Process for the recovery of mercury from waste solids. 3,785,942, 1-15-74, Cl. 204-99.000.

Carlson, Harold C. R. Spring tester. 3,808,885, 5-7-74, Cl. 73-161.000.

Carlson, Henry B. Septic tank construction. 3,784,012, 1-8-74, Cl. 210-170.000.

Carlson, Henry B.; and Pinezich, John R., to Andrew Carlson & Sons, Inc. Sanitary drainage system. 3,817,864, 6-18-74, Cl. 210-170.000.

Carlson, John A.; Hoff, Dale R.; and Rooney, Clarence S. 1-Substituted-5-nitroimidazol-2-ylalkyl-(N-substituted)-carbamates. 3,790,592, 2-5-74, Cl. 260-309.000.

Carlson, John A.; Hoff, Dale R.; and Rooney, Clarence S. 1-Substituted-5-nitroimidazol-2-ylalkyl-(N-substituted)-carbamates. 3,790,593, 2-5-74, Cl. 260-309.000.

Carlson, John T. M.; and Lawson, Gerald P., to Rosemount Inc. Method of making resistance wire temperature sensor. 3,798,760, 3-26-74, Cl. 29-612.000.

Carlson, Jon R.; Banks, William P.; and Flood, Rodney L., to Continental Oil Company. Particulate fly ash beads. 3,830,776, 8-20-74, Cl. 260-37.0ep.

Carlson, Kenneth G. Flow-thru palletizer and depalletizer. 3,788,497, 1-29-74, Cl. 214-6.00p.

Carlson, Larry W., to Rockwell International Corporation. Aerator device and method. 3,846,516, 11-5-74, Cl. 261-87.000.

Carlson, Lars Anders Fritz: *See—*
Bondesson, Ulf Goran; Carlson, Lars Anders Fritz; Hedbom, Christina; Magnusson, Harry Olof; and Stjernstrom, Nils Erik, 3,846,445.

Carlson, Lowell D.; Reese, Gerald D.; and Shank, Gerald G., to Textron Inc. Engine fuel injection system. 3,800,754, 4-2-74, Cl. 123-73.0cb.

Carlson, Norman Arthur; and Garth, Bruce Hollis, to Du Pont de Nemours, E. I., and Company. Sulfurized mono-esters of tall oil fatty acids and primary oxo alcohols. 3,817,971, 6-18-74, Cl. 260-97.500.

Carlson, Norman R.; Haley, Paul H.; and Enns, Mark K., to Westinghouse Electric Corporation. System and method for converging iterations for loadflow solutions in a hybrid loadflow computer arrangement having transient stability analysis capability. 3,824,24, 7-16-74, Cl. 444-1.000.

Carlson, Norman R.; Burtnyk, Victor; and Zitelli, William E., to Westinghouse Electric Corporation. Desk console power systems simulator with hands-on control. 3,826,906, 7-30-74, Cl. 235-151.210.

Carlson, Norman R.; and Zitelli, William E., to Westinghouse Electric Corporation. Hybrid computer system for rapid generation of electric power system loadflow solutions and transient stability analysis. 3,829,667, 8-13-74, Cl. 235-151.210.

Carlson, Norman R.; and Ronnen, Uri G., to Westinghouse Electric Corporation. On-line hybrid computer arrangements having universal interfacing capability for electric power system studies. 3,832,533, 8-27-74, Cl. 235-151.210.

Carlson, Norman R.; Zitelli, William E.; and Burtnyk, Victor, to Westinghouse Electric Corporation. Computation of power system load flows and transient stability. 3,832,534, 8-27-74, Cl. 235-151.210.

Carlson, Norman R.; Haley, Paul H.; and Enns, Mark K., to Westinghouse Electric Corporation. System and method for monitoring transient stability in a hybrid loadflow computer arrangement with transient stability analysis capability. 3,833,927, 9-3-74, Cl.444-1.000.

Carlson, Norman R.; and Zitelli, William E., to Westinghouse Electric Corporation. D.C. modules employed for simulating electric power system for loadflow and transient stability studies. 3,857,027, 12-24-74, Cl. 235-151.210.

Carlson, Oscar N.: *See—*
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Carlson, Paul A., to Wagner Electric Corporation. Dual-mode security circuit for automotive vehicles and the like. 3,852,614, 12-3-74, Cl. 307-10.0at.

Carlson, Paul E.; and Schimmel, Ralph U., to Mack Trucks, Inc. Transmission shifting apparatus. 3,788,157, 1-29-74, Cl. 74-364.000.

Carlson, Peter J.: *See—*
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Carlson, Peter S.; Smith, Harold H.; and Dearing, Rosemarie D., to United States of America, Atomic Energy Commission. Fertile interspecific hybridization cell fusion for higher plants. 3,832,801, 9-3-74, Cl. 47-58.000.

Carlson, Raymond H.; and Reiland, Bernard F., to Textron, Inc. Locking fastener. 3,794,092, 2-26-74, Cl. 151-22.000.

Carlson, Reuben T.: *See—*
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Carlson, Richard A.; and Eddy, Robert E., to General Motors Corporation. Internal combustion engine cranking motor circuit. 3,836,788, 9-17-74, Cl. 290-50.000.

Carlson, Richard E.: *See—*
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Carlson, Richard G., to Allis-Chalmers Corporation. Wheel slippage sensing control for a vehicle. 3,834,481, 9-10-74, Cl. 180-82.00r.

Carlson, Richard H.; and Felkel, Edward M., to United States Steel Corporation. Method of making a variable weight cable. 3,806,568, 4-23-74, Cl. 264-47.000.

Carlson, Richard L. Flat stock cutter. 3,823,635, 7-16-74, Cl. 83-384.000.

Carlson, Robert C., to Minnesota Mining and Manufacturing Company. Self-emulsified polyurethanes prepared by direct sulfonation of isocyanate. 3,826,769, 7-30-74, Cl. 260-29.2tn.

Carlson, Robert D.; Kraina, Jack H.; and Wegner, Robert C., to Caterpillar Tractor Company. Acoustical louver for earthmoving vehicles. 3,820,629, 6-28-74, Cl. 181-33.00g.

Carlson, Robert E., to TRW Inc. Slipper-type pumping element for a pump or motor. 3,797,977, 3-19-74, Cl. 418-267.000.

Carlson, Robert Edward, to TRW Inc. Stack-up assembly. 3,787,151, 1-22-74, Cl. 418-133.000.

Carlson, Robert G.; and Steinhagen, Carl A., to General Electric Company. Apparatus for forming a composite metallic preform tape. 3,841,942, 10-15-74, Cl. 156-436.000.

Carlson, Robert T.; and Barr, Ralph E., Jr., to Detection Sciences, Inc. Digital speed control system. 3,843,914, 10-22-74, Cl. 318-327.000.

Carlson, Roland Wester, to Kewanee Oil Company. Electrically insulating gamma radiation shield. 3,858,050, 12-31-74, Cl. 250-515.000.

Carlson, Ronald H., to Hooker Chemical Corporation. Synergistic metal sequestrant. 3,836,556, 9-17-74, Cl. 260-439.00r.

Carlson, Roy C.; King, Loyd L.; and Sofer, George A., to Jersey Nuclear Company, mesne. Nuclear reactor spacer device. 3,852,154, 12-3-74, Cl. 176-78.000.

Carlson, Sheldon D., to Jefferson Chemical Company, Inc. Process for preparing dimorpholinodiethyl ether. 3,817,997, 6-18-74, Cl. 260-246.00b.
Carlson, Stanley H. Automatic indexing head for machining a work piece. 3,817,002, 6-18-74, Cl. 51-216.0nd
Carlson, Walter E.: *See—*
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Wright, James T., 3,855,921.
Carlsson, Bengt J., to AB Motala Verkstad. Method and apparatus for conveying slabs of particulate, fibrous material from a common slab forming apparatus to hot presses associated therewith. 3,814,787, 6-4-74, Cl. 264-109.000.
Carlsson, Bengt Johan. Method in the manufacture of lignocellulosic fibreboard. 3,801,434, 4-2-74, Cl. 162-201.000.
Carlsson, Bengt Johan, to AB Motala Verkstad. System for feeding particle slabs resting on a flexible support surface to and from multi-layer presses. 3,810,730, 5-14-74, Cl. 425-338.000.
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Carlsson, Eric Ake Ragnar; Dahlsjo, Olof Gustav Robert; Karlsson, Goran Roland; and Pettersson, Kent Morgan, to Telefonaktiebolaget LM Ericsson. Double reflector antenna with polarization rotating main reflector. 3,820,116, 6-25-74, Cl. 343-756.000.
Carlsson, Hans Thorsten Henrik, to Aktiebolaget Svenska Elektromagneter. Ignition system for internal combustion engines. 3,826,236, 7-30-74, Cl. 123-148.00r.
Carlsson, Hans Thorsten Henrik, to Aktiebolaget Svenska Elektromagneter. Flywheel magneto ignition device with capacitor-thyristor ignition combined with generator. 3,828,754, 8-13-74, Cl. 123-149.00d.
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Carlsson, Hilding Ake Gerry; and Rosen, Goran Elof, to Monark-Crescent AB. Turbulator for vaporising burners. 3,807,939, 4-30-74, Cl. 431-208.000.
Carlsson, Hilding Ake Gerry, to Monark-Crescent AB. Ignition device for vaporizing burners. 3,852,024, 12-3-74, Cl. 431-208.000.
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Carlsson, Stig Martin; and Andreasson, Jan Erik, to Sunds Aktiebolag. Bag packing apparatus. 3,822,528, 7-9-74, Cl. 53-159.000.
Carlsson, Sven A., to Phelps Dodge Industries, Inc. Modular wall section for buildings. 3,828,502, 8-13-74, Cl. 52-309.000.
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Carlstedt, Paul A., to CX Corporation. Low drag variable demand strip feed. 3,857,312, 12-31-74, Cl. 83-236.000.
Carlstedt, Sven Borje Fredrik, 1/2 to Sixten Engleson Teknisk Konsutt AB. Control device with snap switch. 3,830,995, 8-20-74, Cl. 200-67.0da.
Carlston, Earl F., to Chevron Research Company. Aluminum-asbestos coating compositions. 3,795,525, 3-5-74, Cl. 106-123.000.
Carlstrom, Borge Ingmar. Fiber-reinforced plastic tubing with continuous fibers, for pressurized water conduits in the ground. 3,823,746, 7-16-74, Cl. 138-144.000.
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Carlyle, James S., to American Micro-Systems, Incorporated. Liquid crystal display utilizing ambient light for increased contrast. 3,838,565, 10-1-74, Cl. 58-50.00r.
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Carman, Robert L., Jr.; and Rhodes, Charles K., to United States of America, Atomic Energy Commission. Laser system employing raman anti-stokes scattering. 3,815,043, 6-4-74, Cl. 331-94.50g.
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Carmelite, Donald D.; Kramer, Morton; and Lee, Gim F., Jr., to General Electric Company. Polyphenylene ether compositions. 3,787,532, 1-22-74, Cl. 260-876.00r.
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Carmichael, John M.; West, Donald L.; and Williams, Robert A., to International Business Machines Corporation. Charge detection for ink jet printers. 3,852,768, 12-3-74, Cl. 346-75.000.
Carmichael, Keith Stewart, to Du Pont de Nemours, E. I., and Company. Extrusion apparatus improved by incorporating a polymer choke. 3,806,614, 4-23-74, Cl. 425-326.00b.
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Carmien, Joseph Allen, to Nupla Corporation. Adapter for fiberglass tool handles and other fiberglass connections. 3,819,288, 6-25-74, Cl. 403-247.000.
Carmien, Joseph Allen, to Nupla Corporation. Replaceable hammer tip. 3,821,973, 7-2-74, Cl. 145-29.00a.
Carmien, Joseph Allen, to Nupla Corporation. Cutting attachment for fiberglass rods. 3,830,125, 8-20-74, Cl. 83-212.000.
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Carnall, Edward, Jr.; and Pearlman, Donald, to Eastman Kodak Company. Polycrystalline chalcogenide spinels. 3,803,044, 4-9-74, Cl. 252-300.000.
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Carnewal, Jose A. C. L.; Decruyenare, Trudo M. J.; and Mesure, Georges M., to Clayson N.V. Rotary air filter. 3,816,981, 6-18-74, Cl. 55-267.000.
Carney, Adam Carroll; Cichetti, Michael Peter, Jr.; Kneuer, Joseph George; and Rice, Donald Wesley, to Bell Telephone Laboratories Incorporated. Cross-office connecting scheme for interconnecting multiplexers and central office terminals. 3,794,768, 2-26-7, Cl. 179-15.0ba.

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Carney, William V.; and Deluca, Paul V., to Porta Systems Corporation, mesne. Modular jack strip assembly. 3,852,703, 12-3-74, Cl. 339-198.00h.
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Carp, Ralph W., to Bendix Corporation, The. Failure detection by period comparison. 3,803,425, 4-9-74, Cl. 307-219.000.
Carp, Ralph W.; Ingels, Ward A., and Ang, Leoncio T., to Bendix Corporation, The. Means for detecting failure of various elements of an adaptive braking system through the use of trickle currents. 3,825,307, 7-23-74, Cl. 303-21.0af.
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Carpenter, Guy H.; and Ross, Ernest E., to Perma Glas-Mesh Corporation. Apparatus for applying pressure sensitive adhesive to glass fiber mesh material. 3,788,271, 1-29-74, Cl. 118-33.000.
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Carpenter, James H.; and Bowling, Joseph E., Jr., to Carborundum Company, The. Abrasive blast cleaning system. 3,829,029, 8-13-74, Cl. 241-19.000.
Carpenter, James H., Jr., to Carborundum Company, The. Apparatus for conditioning a granular material. 3,782,643, 1-1-74, Cl. 241-60.000.
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Carpenter, James W.; Mee, John D.; and Heseltine, Donald W., to Eastman Kodak Company. Novel cyanine dyes with fused imidazols nuclei. 3,809,691, 5-7-74, Cl. 260-240.00e.
Carpenter, John J.; and Spreckels, Charles C., to Bulova Watch Company, Inc. Quartz-crystal mounting assembly. 3,805,098, 4-16-74, Cl. 310-9.100.
Carpenter, John J. Water hammer arrester. 3,818,931, 6-25-74, Cl. 137-374.000.
Carpenter, John L., to Container Corporation of America. Cushioned folder. 3,790,065, 2-5-74, Cl. 229-40.000.
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Carpenter, Keith; Heywood, Basil Jason; Parnell, Edgar William; Metivier, Jean; and Boesch, Roger, to May & Baker Limited. Herbicidal compositions and their use. 3,823,008, 7-9-74, Cl. 71-103.000.
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Carpenter, Loyde M.; Kiser, James W., and Leonard, Lee V., to General Electric Company. Actuating mechanism for a limit switch having elongated pivotally mounted actuating member 3,789,177, 1-29-74, Cl. 200-172.00a.
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Carpigiani, Poerio C. Continuous machines for the instantaneous production of whipped cream. 3,815,789, 6-11-74, Cl. 222-190.000.
Carpino, Louis A.; and Han, Grace Y., to Research Corporation. 9-Fluorenylmethanol haloformates, carbonates and thiocarbonates. 3,835,175, 9-10-74, Cl. 260-463.000.
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Fleming, Robert W.; and Carr, Albert A., 3,829,578.
Carr, Albert A.; and Meyer, Donald R., to Richardson-Merrell Inc. Aryl 4-piperidyl ketone derivatives. 3,795,677, 3-5-74, Cl. 260-293.620.
Carr, Albert A.; and Kinsolving, C. Richard, to Richardson-Merrell Inc. 1-Aroylalkyl-4-diphenylmethyl piperidines. 3,806,526, 4-23-74, Cl. 260-293.640.
Carr, Albert A.; Kinsolving, C. Richard; and Meyer, Donald R., to Richardson-Merrell Inc. Substituted piperidinoalkanone oxime derivatives. 3,829,433, 8-13-74, Cl. 260-293.790.
Carr, Albert A.; and Grunwell, Joyce F., to Richardson-Merrell Inc. Xanthene derivatives. 3,829,440, 8-13-74, Cl. 260-335.000.
Carr, Albert A., to Richardson-Merrell Inc. 4-[4-(α-Hydroxybenzyl) piperidino]-4'-fluorobutyrophenone derivatives as tranquilizers. 3,852,455, 12-3-74, Cl. 424-267.000.
Carr, Allan W.; and Wellman, Donald C., to Carrier Corporation. Electrostatic precipitator. 3,800,509, 4-2-74, Cl. 55-131.000.
Carr, Charles E. Multiple shake board splitter. 3,802,473, 4-9-74, Cl. 144-193.000.
Carr, David L., to Texas Instruments Incorporated. Folded lobe large optical cavity laser diode. 3,855,546, 12-17-74, Cl. 331-94.50h.
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Carr, George W., to Pullman Incorporated. Twist lock arrangement for tying container down. 3,825,294, 7-23-74, Cl. 296-35.00a.
Carr, George W., to Pullman Incorporated. Container front end construction. 3,834,575, 9-10-74, Cl. 220-1.500.
Carr, George W., to Pullman Incorporated. Freight bracing and loading apparatus. 3,842,755, 10-22-74, Cl. 105-480.000.
Carr, Harry A. Magnetic keeper accessory for wrench sockets. 3,808,918, 5-7-74, Cl. 81-125.000.
Carr, Harry A. Magnetic keeper accessory for conventional tools. 3,821,676, 6-28-74, Cl. 335-285.000.
Carr, Harry A. Keeper for socket wrenches. 3,834,253, 9-10-74, Cl. 81-125.000.
Carr, Harry A. Maneuvering accessory for U-joint of socket wrenches. 3,835,735, 9-17-74, Cl. 81-177.0uj.
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Carr, Keith E.; and Johnson, Robert E., to Whirlpool Corporation. Vacuum cleaner nozzle. 3,815,171, 6-11-74, Cl. 15-369.000.
Carr, Kenneth L.; and Segal, Sumner, to Microwave Associates, Inc. Plug-in high-power waveguide junction circulator. 3,806,837, 4-23-74, Cl. 333-1.100.
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Carr, Norman L.; and Stahlfeld, Donald L., to Gulf Research & Development Company. Process for initial removal of sulfur compounds from gaseous hydrocarbon feedstocks before removal of arsenic therefrom. 3,789,581, 2-5-74, Cl. 55-73.000.
Carr, Norman L.; Massoth, Franklin E.; Stahlfeld, Donald L.; and Young, John E., Jr., to Gulf Research & Development Company. Process for regenerating metal oxides used in the removal of arsenic from gaseous streams. 3,812,652, 5-28-74, Cl. 55-68.000.
Carr, Norman L.; and Fraser, Malcolm D., to Gulf Research & Development Company. Method of controlling the hydrogenation of acetylene. 3,839,483, 10-1-74, Cl. 260-677.00a.
Carr, Paul H., to United States of America, Air Force. Suface wave delay line with quarter-wave taps. 3,825,860, 7-23-74, Cl. 333-30.00r.
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Carr, William Reginald, to Rolls-Royce (1971) Limited. Industrial gas turbine power plant mounting apparatus. 3,837,164, 9-24-74, Cl. 60-39.16r.
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Carreira, Leonard M., to Xerox Corporation. Recording oscillograph utilizing photoelectrophoretic techniques. 3,800,302, 3-26-74, Cl. 346-109.000.
Carrell, Herbert Daniel; and Nyssen, Adrianus Marinus, said Carrell assor. to said Nyssen, Adrianus Marinus. Cut-off apparatus for pipe machine. 3,815,455, 6-11-74, Cl. 82-53.100.
Carrell, Ross Michael, to RCA Corporation. Rotatable paraboloidal reservoir useful in an ink jet printer. 3,823,409, 7-9-74, Cl. 346-140.000.
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Morgan, Robert D., 3,798,920.
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Orbesen, G. Bradley, 3,842,616.
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Reedy, Wayne R.; and Russ, Edward F., 3,823,862.
Rifkin, Ernest; and Dreibelbis, Richard C., 3,790,075.
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Styron, James S.; and Mandy, Zolian, 3,820,349.
Toper, Walter B., 3,807,023.
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Carrier Corporation, mesne: *See—*
Liberman, Harvey W., 3,799,051.
Liberman, Harvey W.; Harvey, Samuel E.; and Voorhees, Steven C., 3,827,587.
Carrier Engineering Company Limited: *See—*
Windall, Roy Sidney, 3,796,372.
Carrier, J. D., Shoe Co. Limited: *See—*
Carrier, Joseph D., 3,846,533.
Carrier, Joseph D., to Carrier, J. D., Shoe Co. Limited. Manufacture of molds for footwear. 3,846,533, 11-5-74, Cl. 264-225.000.
Carrier Telephone Corporation of America, Inc.: *See—*
Browne, Sidney, 3,804,988.
Hekimian, Norris C.; Browne, Sidney; and Murtha, Joseph E., 3,806,655.
Carriere et Fours a Chaux Dumont-Wantier: *See—*
Dumont, Philippe, 3,827,897.
Carriere, Pierre P.; Leynaert, Jacky R.; Meauze, Georges D.; and Thibert, Jean-Jacques, to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Fixed blading of axial compressors. 3,846,038, 11-5-74, Cl. 415-1.000.
Carrieri, Louis F.: *See—*
Spanke, Edwin A.; Carrieri, Louis F.; and Francey, Melvin H., 3,835,971.
Carrilo, Peter F.: *See—*
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Carrington, Peter: *See—*
Phillips, Brian Harry; and Carrington, Peter, 3,798,591.
Carrock, Frederick E., to Dart Industries, Inc. Styrene-methacrylic acid copolymers and their preparation. 3,839,308, 10-1-74, Cl. 260-88.1pc.
Carroll, A. Lindsay, Jr.; and White, Melvin J., Jr., to Foxboro Company, The. Strip-chart recording apparatus. 3,854,145, 12-10-74, Cl. 346-116.000.
Carroll, Albert; and Beall, Glen L., to Schmid Laboratories, Inc., mesne. Spray dispenser and shield. 3,841,533, 10-15-74, Cl. 222-402.130.
Carroll, Alexander A., to Carrier Corporation. Structure for detachably securing a member concentrically to a high speed shaft. 3,819,289, 6-25-74, Cl. 403-259.000.
Carroll, Charles D.; and Meginnis, George B., to General Motors Corporation. Method of making a porous laminated seal element. 3,834,001, 9-10-74, Cl. 29-414.000.
Carroll, Clifford C., to Deering Milliken Research Corporation. Reducing shrinkage of textile materials. 3,847,543, 11-12-74, Cl. 8-127.600.
Carroll, David I.: *See—*
Wernlund, Roger F.; Carroll, David I.; Kilpatrick, Wallace D.; and Cohen, Martin J., 3,812,355.
Carroll, David L.: *See—*
Wernlund, Roger F.; Carroll, David L.; Gibson, Henry C.; and Cohen, Martin J., 3,845,301.
Carroll, Douglas V.; and Attia, Ramsis I., to TMC (Canada) Limited. Magnetic compass or like indicating instrument. 3,785,061, 1-15-74, Cl. 33-364.000.
Carroll, Edward E., Jr., to United States of America, Atomic Energy Commission, mesne. Noble gas scintillator for measuring neutron flux. 3,805,076, 4-16-74, Cl. 250-365.000.
Carroll, Harvey F., to Woodmont Industries, Inc. Shaving cartridges. 3,815,233, 6-11-74, Cl. 30-346.580.
Carroll, Henry F., 40% to Barchard, John. Self-propelled unloader. 3,826,393, 7-30-74, Cl. 214-674.000.
Carroll, J. W., & Sons; a division of U.S. Industries, Inc.: *See—*
Jones, Bill F., 3,829,680.
Carroll, James C. Loudspeaker. 3,799,286, 3-26-74, Cl. 181-31.00b.
Carroll, John E.; and Stump, Carl E., to Lincoln Electric Company, The. Method for vertical-up open-arc welding using molding shoes. 3,806,695, 4-23-74, Cl. 219-126.000.
Carroll, John E.; and Stump, Carl E., to Lincoln Electric Company, The. Electrode for vertical-up open arc welding using molding shoes. 3,825,721, 7-23-74, Cl. 219-146.000.
Carroll, Lamar H., to Lilly, Eli, and Company. Removable implantate for administering physiological active agents to animals. 3,804,088, 4-16-74, Cl. 128-260.000.
Carroll, Leo P.; Novotny, John C.; and Richards, Anthony W., to Quaker Oats Company, The. Process for preparing a fortified cereal grain product. 3,806,613, 4-23-74, Cl. 426-302.000.
Carroll, Michael: *See—*
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Carroll, Michael O.; and Shirek, Lawrence J., to Thermo King Corporation. Refrigerant throttling valve. 3,794,063, 2-26-74, Cl. 137-505.260.
Carroll, Michael W. Cup dispenser. 3,844,444, 10-29-74, Cl. 221-46.000.
Carroll, Paul E.; and Harris, Ralph A., to Texas Instruments, Incorporated. Digital DC offset removal method for data systems. 3,819,864, 6-25-74, Cl. 179-15.0bl.

Carroll, Richard R., to Litton Industrial Products, Inc. Machine tool. 3,824,891, 7-23-74, Cl. 90-11.00a.

Carroll, Robert G. Pressure regulated inflatable cuff for an endotracheal or tracheostomy tube. 3,794,036, 2-26-74, Cl. 128-351.000.

Carroll, Robert G., to United States of America, Health, Education and Welfare. Gas-saline dispensing ampule. 3,821,955, 7-2-74, Cl. 128-272.000.

Carroll, Robert J.: *See*—
Tann, Lewis H.; Carroll, Robert J.; and Lipke, Donald L., 3,855,708.

Carroll, Ronald L., to Texas Instruments, Incorporated. Bismuth masking technique for use on injection laser diodes as means of uniformity evaluation and spontaneous control and product. 3,843,401, 10-22-74, Cl. 117-227.000.

Carroll, William J., to Great Lakes Chemical Corporation. Deep implantation of a volatile fungicide. 3,837,304, 9-24-74, Cl. 111-6.000.

Carroll, William M. Rotary material working apparatus. 3,827,116, 8-6-74, Cl. 29-38.00c.

Carron, Claude Louis Clement; Bucher, Bernard Philippe; and Jullien, Alexandra Francine, to Synthelabo S.A. 2-(Diphenyl aminoalkyl amino)-2-imidazolines. 3,787,436, 1-22-74, Cl. 260-309.600.

Carron, Georges; and Violet, Jean-Louis, to Commissariat a l'Energie Atomique. Method of fabrication of a probe for a hygrometer. 3,821,093, 6-28-74, Cl. 204-38.00a.

Carron, Georges; Pleyber, Gaetan; and Violet, Jean-Louis, to Commissariat a l'Energie Atomique. Device and method for measuring the water-vapor content of a liquid or gaseous medium. 3,857,284, 12-31-74, Cl. 73-336.500.

Carron Hydraulics Limited: *See*—
Stuart, Douglas, 3,811,525.

Carrona, John J.: *See*—
Freedman, Norman S.; Horsting, Carel W.; Lawrence, Walter F.; and Carrona, John J., 3,814,633.
Freedman, Norman S., granted to United States Atomic Energy Commission under the provision of 42 U.S.C. 2182; Horsting, Carel W.; Lawrence, Walter F.; and Carrona, John J., 3,787,958.

Carrotte, Frederick Henry; and Ellis, John Ernest, to Kirkland, A., & Company Limited. Pattern device for knitting machines. 3,789,629, 2-5-74, Cl. 66-50.00r.

Carrotte, Frederick Henry; Moxloe, Kirby; and Ellis, John Ernest, to Kirkland, A., & Company Limited. Knitting machine. 3,802,225, 4-9-74, Cl. 66-57.000.

Carrotte, Frederick Henry; and Ellis, John Ernest, to Courtaulds Limited. Pattern discs. 3,817,060, 6-18-74, Cl. 66-156.000.

Carrow, Guy E., to Phillips Petroleum Company. Means for flow control of thermoplastic material. 3,815,637, 6-11-74, Cl. 138-45.000.

Carrozzeria Boneschi Srl.: *See*—
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Carrozzeria Pininfarina S.p.A.: *See*—
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Carruba, Samuel C.: *See*—
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Carruth, Edwin I. All-purpose massager. 3,854,474, 12-17-74, Cl. 128-33.000.

Carruthers, John Robert; and Kaminow, Ivan Paul, to Bell Telephone Laboratories, Incorporated. Method for producing optical waveguiding layers in solid transparent media. 3,837,827, 9-24-74, Cl. 65-30.000.

Carsch, Elke, nee Saxen: *See*—
Zimmermann, Friedrich; Seifert, Ernst; Von Freyhold, Helmut; and Saxen, Arnold, 3,854,241.

Carson: *See*—
Matthews, William R.; and Carson, Richard W., 3,838,998.

Carson, Alfred H.: *See*—
Kenny, Joseph R.; Welch, Rolland Ernst; Reading, William H., III; and Carson, Alfred H., 3,851,309.

Carson, Charles F.; Bryan, Carney J.; and Birdsong, Fred, to Blue Bell, Inc. Sewing system. 3,789,781, 2-5-74, Cl. 112-121.290.

Carson, Chester C.; Barton, Sterling C.; and Echeverria, Federico S., to General Electric Company. Sampling device for dynamoelectric machine. 3,807,218, 4-30-74, Cl. 73-28.000.

Carson, Don B., to Universal Oil Products Company. Flow distribution apparatus. 3,789,989, 2-5-74, Cl. 210-284.000.

Carson, Don B., to Universal Oil Products Company. Vapor-Liquid separation apparatus. 3,853,513, 12-10-74, Cl. 55-185.000.

Carson, Don B.; Orfanedes, Steven R.; and Zentner, Kurt J., Jr., to Universal Oil Products Company. Heating system providing controlled convective heating. 3,854,455, 12-17-74, Cl. 122-356.000.

Carson, Don D., to Universal Oil Products Company. Fluid mixing apparatus. 3,818,938, 6-25-74, Cl. 137-604.000.

Carson, Edward R., to Goodyear Aerospace Corporation. Visual stimulator employing two-color television system. 3,821,793, 6-28-74, Cl. 358-42.000.

Carson, James W. Remotely controlled day-night outside truck mirror. 3,811,755, 5-21-74, Cl. 350-289.000.

Carson, John C., to Eocom Corporation. Adaptive imaging system. 3,852,714, 12-3-74, Cl. 340-146.30f.

Carson, John Robert, to McNeil Laboratories, Inc. 5-Aroyl-furans. 3,801,605, 4-2-74, Cl. 260-347.300.

Carson, John Robert, to McNeil Laboratories, Inc. Cycloalkanoyl-substituted pyrroles. 3,803,169, 4-9-74, Cl. 260-326.200.

Carson, John Robert, to McNeil Laboratories, Inc. 5-Phenylacetyl-pyrroles. 3,803,171, 4-9-74, Cl. 260-326.470.

Carson, John Robert, to McNeil Laboratories, Inc. Preparation of 5-aroyl-pyrroles and intermediates therefor. 3,846,447, 11-5-74, Cl. 260-326.470.

Carson, John William: *See*—
Swales, Danvers Allin; and Carson, John William, 3,786,014.

Carson, Kenneth G.; and Rekai, Andre. Temperature monitoring and control system. 3,818,285, 6-18-74, Cl. 317-133.500.

Carson, Loren A.; Tremewan, R. S.; and Yanke, Ronald C. Delimber-debarker. 3,789,893, 2-5-74, Cl. 144-208.00e.

Carson, Michael C.: *See*—
Adelsberg, Lee M.; Carson, Michael C.; Forker, Ray B., Jr.; and Rittler, Hermann L., 3,833,385.
Forker, Ray B., Jr.; Carson, Michael C.; and Washington, Randall C., 3,839,054.

Carson, Randolph Charles, to Beckman Instruments, Inc. Method of welding coated wires to electrical conductors. 3,832,517, 8-27-74, Cl. 219-92.000.

Carson, Richard W.: *See*—
Matthews, William R.; and Carson, Richard W., 3,838,998.

Carson, Robert W. Electronic micrometers employing digital processing techniques. 3,844,047, 10-29-74, Cl. 33-166.000.

Carson, William M., to Constructors Supply Company. Alignment instrument. 3,810,312, 5-14-74, Cl. 33-227.000.

Carson, William S.: *See*—
Riblett, Edward L., 3,786,575.

Carsten, Paul W., to CVC Company. Hydropneumatic capacitor. 3,818,928, 6-25-74, Cl. 137-211.500.

Carstens, Dean H. W.: *See*—
Gruen, Dieter M.; Carstens, Dean H. W.; and Kozlowski, John F., 3,830,721.

Carstens, Marion R.; and Bates, Homer J., to Georgia Tech Research Institute. Mass transportation system. 3,797,405, 3-19-74, Cl. 104-155.000.

Carstens, Ronald A.; and Butcher, William J., to Key Chemicals, Inc. Mixed alumina dispersions. 3,812,055, 5-21-74, Cl. 252-313.000.

Carswell, Theodore R., to Pilot Research Corporation, mesne. Yarn plating method and apparatus for circular knitting machines. 3,800,564, 4-2-74, Cl. 66-136.000.

Cartabia, Luigi: *See*—
Basso, Eugenio; Viviani, Gaetano; and Cartabia, Luigi, 3,783,362.

Cartaya, Guillermo Hernandez: *See*—
Lam, Lucilo; and Cartaya, Guillermo Hernandez, 3,846,914.

Carter, Alan R.: *See*—
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Carter, Albert W.: *See*—
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Carter, B. & F. & Co. Limited: *See*—
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Carter, Billy W.: *See*—
Keener, Arthur; Bradford, Larry David; Gary, Laverne E.; McLeon, John W.; and Carter, Billy W., 3,808,958.

Carter, Bob. *See*—
Osborn, William; and Carter, Bob, 3,794,922.

Carter, Carol Y. Protective device for automobile door handle and locks. 3,782,149, 1-1-74, Cl. 70-455.000.

Carter, Cecil O.: *See*—
Hutson, Thomas, Jr.; and Carter, Cecil O., 3,842,140.

Carter, Charles H., Jr.; and Newfeld, Stewart M., to ICI America Inc. Alarm apparatus for facilitating the detection of an unauthorized removal of property. 3,828,341, 8-6-74, Cl. 340-280.000.

Carter, Charles M.: *See*—
Schreiner, Louis W., 3,789,815.

Carter, Charles N.: *See*—
Adkins, William J., and Carter, Charles N., 3,815,105.

Carter, Charles N.; and Sage, Burton H., to Corning Glass Works. Detection of eosinophil cells on a blood smeared slide. 3,819,913, 6-25-74, Cl. 235-92.0pc.

Carter, Clarence F., to Carter Engineering Company. Method and apparatus for vacuum filling open mouth bags. 3,785,410, 1-15-74, Cl. 141-10.000.

Carter, Clyde Thomas; and Henschen, Homer Ernst, to AMP Incorporated. Electrical contact terminal which can be mated with an identical terminal or with a dissimilar terminal. 3,846,735, 11-5-74, Cl. 339-47.000.

Carter, Crawford F.: *See*—
Dreher, John L.; and Carter, Crawford F., 3,846,314.

Carter, Crawford F.; and Dreher, John L., to Chevron Research Company. Extended service interval grease compositions. 3,833,500, 9-3-74, Cl. 252-18.000.

Carter, D. Charles, to Monsanto Research Corporation. Condensate trap. 3,854,298, 12-17-74, Cl. 62-55.500.

Carter, Daniel G. Jr., to United States of America, Atomic Energy Commission. Method for the suppression of hydrogen during the dissolution of zirconium and zirconium alloys. 3,832,439, 8-27-74, Cl. 423-4.000.

Carter, David A.; Bishof, Chester A.; and Vogt, Frederick G., to Betz Laboratories, Inc. Orthophosphate corrosion inhibitors and their use. 3,837,803, 9-24-74, Cl. 21-2.700.

Carter, David L.: *See*—
Collins, Dean R.; and Carter, David L., 3,792,465.

Carter, Don E.; and Latinen, George A.; deceased (by Latinen, May V.; administratrix), to Monsanto Company. Shaft seal for low and high pressures. 3,795,386, 3-5-74, Cl. 259-191.000.

Carter, Donald. Gas or vapor powered double acting piston motor. 3,838,626, 10-1-74, Cl. 91-323.000.

Carter, Edward W., to Glasrock Products, Inc. Method of preparation of a porous thermosetting resin. 3,825,506, 7-23-74, Cl. 260-2.50l.

Carter, Efton T. Carburetor. 3,822,058, 7-2-74, Cl. 261-44.00r.

Carter Engineering Company: *See*—
Carter, Clarence F., 3,785,410.

Carter, Fay G. Cover with replaceable covering material. 3,856,176, 12-24-74, Cl. 220-200.000.

Carter, Frank H. Wind turbine generator. 3,793,530, 2-19-74, Cl. 290-55.000.

Carter, George D.: *See*—
Edenborough, Harry K.; Wernicke, Kenneth G.; and Carter, George D., 3,829,240.

Carter, George E.: *See*—
Glynn, Donald C.; Chao, Andrew M.; and Carter, George E., 3,828,261.

Carter Industries, Inc.: *See*—
Crosser, David Keith; Mell, Leonard E.; and Reuvers, John F., 3,812,532.
Mell, Leonard E.; Norton, Loran A.; and Crosser, David Keith, 3,802,099.

Carter, Ivor W.: *See*—
Meyer, Earl W., Jr.; Carter, Ivor W.; and Scott, Ian J. C., 3,789,168.

Carter, Ivor W.; and Scott, Ian J. C., to Chrysler Corporation. Distributor actuator unit with solenoid advance. 3,788,290, 1-29-74, Cl. 123-117.00a.

Carter, J. Warne; and Meher, Martin Duane. Sealed, filament-wound plastic sleeve. 3,784,239, 1-8-74, Cl. 285-293.000.

Carter, Jack N. Hydraulic truck bed. 3,848,758, 11-19-74, Cl. 214-501.000.

Carter, James B., Ltd.: *See*—
Wernicke, Walter H., 3,839,594.

Carter, James C.: *See*—
Coad, George L.; and Carter, James C., 3,785,462.

Carter, James L.; and Sinfelt, John H., to Esso Research and Engineering Company. Method for preparation of catalysts. 3,789,020, 1-29-74, Cl. 252-442.000.

Carter, James M., to Control Data Corporation. Tension sensing apparatus. 3,845,434, 10-29-74, Cl. 336-30.000.

Carter, James R.: *See*—
Snodgrass, Robert H.; Carter, James R.; and Edstrom, Carl M., 3,789,497.

Carter, John: *See*—
Barrett, Arthur Michael; Carter, John, Hull, Roy; Le Count, David James; and Squire, Christopher John, 3,836,671.

Carter, John A. Picnic accessories. 3,811,559, 5-21-74, Cl. 206-4.000.

Carter, John Anthony, to ICI Fibres Limited. Manufacture of high molecular weight synthetic linear polyamides. 3,824,207, 7-16-74, Cl. 260-37.00n.

Carter, John L.: *See*—
Weiner, Maurice; Carter, John L.; and Schneider, Sol, 3,813,608.

Carter, John L.; and McGowan, Joseph W., to United States of America, Army. Electron beam diode power device. 3,798,563, 3-19-74, Cl. 330-44.000.

Carter, John L.; and McGowan, Joseph W., to United States of America, Army. Electron beam semiconductor amplifier device. 3,818,363, 6-18-74, Cl. 330-43.000.

Carter, John R.: *See*—
Pine, Buddie J.; and Carter, John R., 3,819,878.

Carter, John S. Bicycle transporting rack. 3,828,993, 8-13-74, Cl. 224-42.10f.

Carter, Leewood C.; and Mullen, Edward K., to Book Covers, Inc. Puzzle and book structure. 3,815,920, 6-11-74, Cl. 273-157.00r.

Carter, Lloyd G.: *See*—
Sutton, David L.; and Carter, Lloyd G., 3,844,351.

Carter, Lyle. Apparatus for collecting surface particles on body of water. 3,811,325, 5-21-74, Cl. 73-425.40r.

Carter, Martin L. Retractable safety belt device. 3,814,346, 6-4-74, Cl. 242-107.200.

Carter, Ned C.: *See*—
Glenn, John G.; Ziegler, Walter; and Carter, Ned C., 3,842,727.

Carter, Nick Grammer, 50% to Robbins, Thomas F., Jr. Aircraft collision warning system. 3,808,598, 4-30-74, Cl. 343-112.0tc.

Carter, Norman D.: *See*—
Suggitt, Robert M.; and Carter, Norman D., 3,796,764.
Suggitt, Robert M.; and Carter, Norman D., 3,840,608.

Carter, Paul R.: *See*—
Bird, James E.; and Carter, Paul R., 3,799,750.

Carter Precision Electric Company: *See*—
Byrd, Lucid L., 3,784,962.

Carter, Ralph B., Company: *See*—
Boschen, William O.; and Grieshaber, Otto A., 3,788,472.

Carter, Richard L.: *See*—
Linder, Joseph; Sjostrand, Gerald D.; and Carter, Richard L., 3,796,355.

Carter, Ronald E.; and Clifford, Jack S., to Sealed Power Corporation. Device for automatically loading an oil ring spacer-expander into the oil ring groove of a piston. 3,793,695, 2-26-74, Cl. 29-211.00r.

Carter, Russell P., Jr., to Goodyear Tire & Rubber Company, The. High impact rigid self-skinned polyurethane foam and method. 3,836,487, 9-17-74, Cl. 260-2.5ak.

Carter, Russell W., to Corn States Metal Fabricators, Inc. Method for forming a tire. 3,842,150, 10-15-74, Cl. 264-102.000.

Carter, Russell W., to Corn States Metal Fabricators, Inc. Method and apparatus for forming a tire. 3,854,852, 12-17-74, Cl. 425-40.000.

Carter, Sidney T., to A-T-O Inc. Pneumatic picker. 3,806,114, 4-23-74, Cl. 271-20.000.

Carter, Sidney T., to A-T-O Inc. Apparatus for adhesively applying sealing strips to container closures to prevent unauthorized removal of the closures without detection. 3,837,974, 9-24-74, Cl. 156-489.000.

Carter, Sidney T., to A-T-O Inc. Helical feed screws for container processing machinery. 3,841,946, 10-15-74, Cl. 156-566.000.

Carter, Spencer Douglas, to American Cyanamid Company. Substituted nitroimidazolylthiadiazolinones and method of using the same. 3,794,658, 2-26-74, Cl. 260-302.00h.

Carter, Spencer Douglas; and Berkelhammer, Gerald, to American Cyanamid Company. Method of controlling coccidiosis by the use of a nitroimidazolylthiadiazolinone. 3,794,727, 2-26-74, Cl. 424-270.000.

Carter, Stephen D. Back pack frame for supporting a tent. 3,822,813, 7-9-74, Cl. 224-25.00a.

Carter, Thomas, to Carrier Corporation. Motor compressor unit. 3,836,290, 9-17-74, Cl. 417-415.000.

Carter, Walter H.: *See*—
Jordan, Wesley A.; and Carter, Walter H., 3,821,008.

Carter, Warren E.: *See*—
Songer, Robert D.; and Carter, Warren E., 3,793,656.

Carter, Warren E.; and Songer, Hubert D., to Perfect Equipment Corporation. Ball joint gauge. 3,817,640, 6-18-74, Cl. 403-138.000.

Carter, William A.: *See*—
Sievert, William C.; Carter, William A.; and Munson, James L., 3,783,823.

Carter, William C.; and Wadia, Aspi B., to International Business Machines Corporation. Self-testing checking circuit. 3,784,977, 1-8-74, Cl. 340-146.1ab.

Carter, William E., Sr., to Thermo-Kinetics, Inc. Conditioning unit with modular construction. 3,818,655, 6-25-74, Cl. 52-79.000.

Carter, William E., Sr., to Thermo-Kinetics, Inc. High velocity filter. 3,844,749, 10-29-74, Cl. 55-341.000.

Carter, William M.: *See*—
Schillreff, George H.; Grayson, Lawrence E.; and Carter, William M., 3,808,940.

Carter-Hoffmann Corporation: *See*—
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Carter-Wallace, Inc.: *See*—
Breece, Jean; and Brown, Michael, 3,821,117.
Kohlhepp, Frederick F.; and Jass, Herman E., 3,793,211.
McLaughlin, James H., 3,852,417.
Reisner, David B.; Ludwig, Bernard J.; and Berger, Frank M., 3,801,574.

Carter-Waters Corporation: *See*—
Davies, David W., Jr., 3,835,613.

Carter's Ink Company, The. *See*—
Peshin, John, 3,833,409.

Cartier, Louis, to Commissariat a l'Energie Atomique. Creep cell, in particular for nuclear reactors. 3,803,365, 4-9-74, Cl. 176-19.000.

Cartiere Paolo Pigna S.p.A.: *See*—
Pigna, Daniele Pesenti; and Camozzi, Antonio, 3,854,158.

Cartledge, Charles F., to Jacobs Manufacturing Company, The. Rocker arm engine brake system. 3,809,033, 5-7-74, Cl. 123-90.460.

Cartmell, James H.: *See*—
Rowell, Lorne A.; and Cartmell, James H., 3,785,765.

Cartmell, James V.: *See*—
Churchill, Donald; and Cartmell, James V., 3,816,786.

Cartmell, James V.; and Churchill, Donald, to National Cash Register Company, The. Temperature sensitive visible display device. 3,795,529, 35-74, Cl. 117-1.700.

Cartmell, Robert R., to Standard Oil Company. Catalytic petroleum conversion apparatus. 3,785,782, 1-15-74, Cl. 23-288.500.

Carton, John R.: *See*—
Pan, Bingham Y. K.; Carton, John R.; and Parker, Robert V., 3,791,795.

Cartwright, Earl. Fishing lure. 3,803,747, 4-16-74, Cl. 43-42.280.

Cartwright, Howard. Recovery cable connector for diver-swimmer. 3,813,177, 5-28-74, Cl. 403-27.000.

Cartwright, John Edward: *See*—
Rumbold, Bernhard Carl; and Cartwright, John Edward, 3,804,642.
Rumbold, Bernhard Carl; and Cartwright, John Edward, 3,811,898.

Cartwright, Thomas Edward; and Wightman, John Clifford, to Ayres, Jones D., and Company Limited. Food dispensing apparatus. 3,782,428, 1-1-74, Cl. 141-115.000.

Cartwright, William Francis, to Celanese Corporation. Tabacco replacement material. 3,812,864, 5-28-74, Cl. 131-2.000.

Cartwright, William Francis, to Celanese Corporation. Tobacco replacement material. 3,842,845, 10-22-74, Cl. 131-2.000.

Cartwright, William J.: *See*—
Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Jeoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,807,209.
Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Geoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,842,631.

Caruel, Jacques Emile Jules; Quillevere, Herve Alain; Castellant, Jean-Pierre Jules Emile; and Lacroix, Armand Jean-Baptiste, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Cooling of combustion chamber walls. 3,811,276, 5-21-74, Cl 60-39.650.

Caruso, Bernard E.: *See*—
McGuffin, Donald W.; Larsen, Richard J.; Mitchell, Robert W.; and Caruso, Bernard E., 3,803,672.

Caruso, Jerome C. Multiple key assembly for calculators and the like. 3,823,309, 7-9-74, Cl. 235-145.00r.

Caruso, Philip J., Jr.: *See*—
Caruso, Philip J., Jr.; Rasmussen, Lyle E.; and Scarbrough, Joseph E. (said Rasmussen and said Scarbrough assors. to said), 3,789,296.

Caruso, Philip J., Jr.; Rasmussen, Lyle E.; and Scarbrough, Joseph E., said Rasmussen and said Scarbrough assors. to said Caruso, Philip J., Jr. Moisture monitor system. 3,789,296, 1-29-74, Cl. 324-58.50b.

Caruso, Richard. Hair dryer. 3,836,750, 9-17-74, Cl. 219-370.000.

Caruso, Robert M.; and Musick, Charles R., to Combustion Engineering, Inc. Reactor megawatt demand setter. 3,849,637, 11-19-73, Cl. 235-151.000.

Carvalho, Vasco O.: *See*—
Burt, Harold S.; and Carvalho, Vasco O., 3,782,562.

Carver, Charles M. Hole punching tool. 3,791,034, 2-12-74, Cl. 30-367.000.

Carver, Charles M. Floor tap insert drill. 3,833,073, 9-3-74, Cl. 175-173.000.

Carver, Richard N.: *See*—
Lohr, Raymond J.; Condry, Martin; Hirsch, Mahlon E.; Carver, Richard N.; and Rogers, Maxmillina P., 3,845,957.

Carwile, Paul, to Brown & Williamson Tobacco Corporation. Transition chute. 3,832,004, 8-27-74, Cl. 302-28.000.

Cary, Donald S.; and Hutchinson, Charles H.; deceased (by Hutchinson, Carol W.; administratrix), said Cary assor. to Xerox Corporation. Moving belt scanning printing. 3,852,775, 12-3-74, Cl. 354-14.000.

Cary, John M.; and Mahacek, Michael F. Exendible conveyor system. 3,825,107, 7-23-74, Cl. 198-139.000.

Cary, Joseph A.: *See*—
Call, Donald H.; Atwood, Elbridge L.; Cary, Joseph A.; and Surette, James D., 3,825,494.

Cary, Paul O. Machine for producing thin section specimens. 3,828,758, 8-13-74, Cl. 125-13.00r.

Casa, Henri Delia: *See*—
Borgnat, Daniel; and Casa, Henri Delia, 3,793,002.

Casadio, Silvano; and Donetti, Arturo, to Instituto de Angeli S.p.A. Certain N-substituted scopolammonium compounds. 3,853,886, 12-10-74, Cl. 260-292.000.

Casadio, Silvano; Sclavi, Elvio; and Perego, Roberto, to Etablissements Arpic S.A. Sustained released pharmaceutical compositions. 3,853,988, 12-10-74, Cl. 424-22.000.

Casagrande, Cesare: *See*—
Ferrari, Iorgio; and Casagrande, Cesare, 3,799,920.

Casale, Renato, to Ital Elettionica S.p.A. Scanning device for scintigraphy according to three orthogonal planes. 3,852,601, 12-3-74, Cl. 252-366.000.

Casamento, Pietro: *See*—
Sweett, Francis Archibald; Casamento, Pietro; and Taylor, Robert Norton, 3,839,588.

Casanova, Manuel Portavella; and Santaeulalia, Antonio Casacuberta, to Colomer Munmany, S.A. Processing drum for treating hides. 3,818,730, 6-25-74, Cl. 69-30.000.

Casanovas, Lorenzo Puig; and Vellas, Jean Leon Justin, to Societe d'Etudes et de Diffusion de Procedes et Brevets S.A. Apparatus for the treatmertt by metallic ions of aqueous liquids. 3,835,018, 9-10-74, Cl. 204-228.000.

Casapopol, Gherasim; and Iaru, Napoleon, to Intreprinderea Vudetana de Morarit si Panificatie. Apparatus for washing packing cases. 3,783,560, 1-8-74, Cl. 51-5.000.

Casas, Richard J.; and Tous, Guillermo J. Filing and personal record keeping folder. 3,839,809, 10-8-74, Cl. 40-359.000.

Casas-Robert, Ramon, to Mefina S.A. Sewing machine. 3,792,674, 2-19-74, Cl. 112-254.000.

Casby, Thomas D.; and Chapman, George M., to Catalysts and Chemicals, Inc. Low temperature methanol synthesis catalyst. 3,790,505, 2-5-74, Cl. 252-463.000.

Cascade Corporation: *See*—
Faust, Donald M., 3,786,937.
Hayes, Charles T.; Faust, Donald M.; and Weinert, Harry F., 3,854,606.
House, Marshall K.; and Train, Michael D., 3,782,409.
Wu, Steve W. H., 3,796,016.

Cascade Pole Company: *See*—
McClain, Stephen A.; Doman, Harvey A.; and Entus, Richard D., 3,813,837.

Casciano, Frederick M. Steerable aqua-sled. 3,824,945, 7-23-74, Cl. 114-235.0ws.

Casciola, Massimo. Impact-absorbing assemblies. 3,847,252, 11-12-74, Cl. 188-1.00c.

Cascione, Alexander, to General Foods Corporation. Soluble coffee antifoam and sludge suspending agents. 3,783,165, 1-1-74, Cl. 426-329.000.

Casco, Ernest L.; and Kosic, Ralph F., to General Dynamics Corporation. Fixed spool winch mechanism. 3,782,692, 1-1-74, Cl. 254-139.000.

Casco Products Corporation: *See*—
Welk, Horace B., Jr., 3,788,357.

Case, Bernard; and Miller, Jeffrey Ellis, to RCA Corporation. Digital range rate computer. 3,803,602, 4-9-74, Cl. 343-6.51c.

Case, Bernard, to RCA Corporation. Digital tracker. 3,803,604, 4-9-74, Cl. 343-7.300.

Case, Bernard; and Miller, Jeffrey Ellis, to RCA Corporation. Track gate movement limiter. 3,803,605, 4-9-74, Cl. 343-7.300.

Case, Carl J., to Salem Tool Company, The. Spoil ejector for horizontal earth augering machine. 3,856,093, 12-24-74, Cl. 173-152.000.

Case, Cecil L.: *See*—
Burkhart, Merle K.; Fell, Ferol S.; and Case, Cecil L., 3,832,837.

Case, Cecil L.; Elder, Robert L.; and Fell, Ferol S., to Hesston Corporation. Header frame. 3,835,628, 9-17-74, Cl. 56-144.000.

Case, Cecil L.; Fell, Ferol S.; and Burkhart, Merle K., to Hesston Corporation. Neutral safety lock for hydraulic implement controls. 3,857,298, 12-31-74, Cl. 74-469.000.

Case, Charles B.; Hebert, David M.; Olson, Maylin J.; and Schubert, John C., to Standard Oil Company. Container fastening means. 3,851,789, 12-3-74, Cl. 220-307.000.

Case, Derek Frank: *See*—
Stamers, Kenneth; and Case, Derek Frank, 3,798,758.

Case, Derek Frank, to International Computers Limited. Methods of manufacturing magnetic transducing heads. 3,837,073, 9-24-74, Cl. 29-603.000.

Case, Derek Frank, to International Computers Limited. Methods of manufacturing magnetic transducing heads. 3,846,906, 11-12-74, Cl. 29-603.000.

Case, Edward M.: *See*—
Zumeta, Julio; and Case, Edward M., 3,791,658.

Case, Everett N., to Atlantic Richfield Company. Process for producing phosphoric acid. 3,792,151, 2-12-74, Cl. 423-166.000.

Case, George S. Racket with disposable hand grip. 3,845,954, 11-5-74, Cl. 273-75.000.

Case, J. I., Company: *See*—
Bailey, Leonard R., 3,844,425.
Baker, Charles G., 3,799,569.
Bulin, Shelly A., 3,799,186.
Clarke, Evans L.; and Kulhavy, Joseph T., 3,823,648.
Harding, Ray S., 3,809,118.
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Seaberg, David H., 3,811,587.
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Shumaker, John F.; and Morehouse, James O., 3,811,582.
Taylor, Eugene D., 3,857,328.
Taylor, Eugene I., 3,796,114.
Tilbury, Lawrence E., 3,814,191.

Case, John N. Catamaran and method of making. 3,831,540, 8-27-74, Cl. 114-77.00r.

Case, John Reginald: *See*—
Carey, John Gerard; and Case, John Reginald, 3,793,319.

Case, John S. Rotary device. 3,841,276, 10-15-73, Cl. 123-8.470.

Case, Laura K., to Itek Corporation. Physical development process utilizing viscous sensitizing metal solution. 3,829,317, 8-13-74, Cl. 96-48.0pd.

Case, Laura K. Photographically magnetic information storage element. 3,846,591, 11-5-74, Cl. 179-100.10a.

Case, Oran L. System for converting flatbed to low side trailers. 3,837,702, 9-24-74, Cl. 296-36.000.

Case, Robert O., Jr.; and Page, Jerome M., to Rockwell International Corporation. Radar for automatic terrain avoidance. 3,815,132, 6-4-74, Cl. 343-7.0ta.

Case, W. Woodrow. Apparatus for coating edible material. 3,817,206, 6-18-74, Cl. 118-7.000.

Case Western Reserve University: *See*—
Kicher, Thomas P.; and Nattrass, Lawrence A., 3,814,470.
Mihaldi, Floro D., 3,784,820.
Pao, Yoh-Han, 3,790,252.

Case, William R., 50% to Alexander, June L. Cutting torch guide attachment. 3,804,391, 4-16-74, Cl. 266-23.001.

Case-Shawmut Company, The: *See*—
Kozacka, Frederick J.; and Salzer, Erwin, 3,848,215.

Casella, Michael D.: *See*—
Gelles, Nicholas; Shiley, Paul J.; and Casella, Michael D., 3,788,690.

Casella, Michael D. Rocking chair or cradle with rocking mechanism. 3,818,517, 6-25-74, Cl. 5-105.000.

Casensky, Bohuslav: *See*—
Vit, Jaroslav; Casensky, Bohuslav; Mamula, Milan; and Machacek, Jiri, 3,829,449.
Vit, Jaroslav; Casensky, Bohuslav; Mamula, Milan; and Marchacek, Jiri, 3,852,262.

Casensky, Bohuslav; Machacek, Jiri; and Vit, Jaroslav. Method of producing sodium aluminum hydrides. 3,787,450, 1-22-74, Cl. 260-345.900.

Caserio, Frederick F., Jr.: *See*—
Nakaguchi, Glenn M.; Wang, Ting-I; and Caserio, Frederick F., Jr., 3,832,356.

Caserio, Frederick F., Jr.; and Nakaguchi, Glenn M., to Atlantic Richfield Company. Process for preparation of carbonyl compounds and isobutylene from olefins and t-butyl alcohol. 3,847,996, 11-12-74, Cl. 260-604.0ac.

Caserta, Richard T.; and Ellendman, Merrill, to Red Hill Grinding Wheel Corporation. Organic-bonded abrasive containing octachloronaphthalene filler. 3,784,365, 1-8-74, Cl. 51-298.000.

Casey, James M., to General Motors Corporation. Rotary engine gas seal lubrication system. 3,814,555, 6-4-74, Cl. 418-99.000.

Casey, John William. Pipe pushing apparatus. 3,834,668, 9-10-74, Cl. 254-29.00r.

Casey, Morris Dick; and Casey, Richard W. Solid adjustable mechanism for infinite height setting. 3,820,247, 6-28-74, Cl. 33-174.00s.

Casey, Richard C.; Duggan, Robert J.; Grosky, Stephen A.; Jen, Dixon T.; and Serra, John J., to Bunker Ramo Corporation. Method and apparatus for controlling a multi-mode segmented display. 3,792,462, 2-12-74, Cl. 340-324.0ad.

Casey, Richard W.: *See*—
Casey, Morris Dick; and Casey, Richard W., 3,820,247.

Casey, Robert: *See*—
Bridwell, John W.; and Casey, Robert, 3,815,697.

Casey, Robert, to Caterpillar Tractor Company. Clamping mechanism for side shiftable backhoe. 3,788,674, 1-29-74, Cl. 280-456.000.

Casey, Robert, to Caterpillar Tractor Company. Three-way lever control for hydraulic control circuit. 3,795,280, 3-5-74, Cl. 172-804.000.

Casey, Robert, to Caterpillar Tractor Company. Hinge joint. 3,806,158, 4-23-74, Cl. 280-400.000.

Casey, Robert, to Caterpillar Tractor Company. Axle trunnion support arrangement. 3,811,699, 5-21-74, Cl. 280-111.000.

Casey, Robert, to Caterpillar Tractor Company. Three-way lever control for hydraulic control circuit. 3,854,380, 12-17-74, Cl. 91-413.000.

Casey, Robert J., to United States of America, Navy. Vented plunger atomizer. 3,831,858, 8-27-74, Cl. 239-464.000.

Casey, William D.; Frank, William R.; and Simonte, Antonino, to General Motors Corporation. Vehicle body construction. 3,819,224, 6-25-74, Cl. 296-28.00r.

Cash, David R., to Cash, James, Machine Co. Dual head border panel manufacturing machine. 3,837,305, 9-24-74, Cl. 112-3.000.

Cash, George H.: *See*—
Tomany, James P.; and Cash, George H., 3,793,809.

Cash, James, Machine Co.: *See*—
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Cash, Kenneth W., to International Business Machines Corporation. Adapter for interfacing a programmable controller to a data processor channel. 3,828,326, 8-6-74, Cl. 340-172.500.

Cash, William D., to Ciba-Geigy Corporation. Production of an hypotensive effect with esters of gallic acid. 3,784,695, 1-8-74, Cl. 424-308.000.

Cashen, Norton A.: *See*—
Reid, John D.; Reinhardt, Robert M.; Kullman, Russell M. H.; and Cashen, Norton A., 3,854,873.

Cashen, Norton A.; Kullman, Russell M. H.; and Reinhardt, Robert M., to United States of America, Agriculture. Mild cure finishing process incorporating improved catalyst systems to produce wrinkle resistant, durable pressed and creased cellulosic textile roducts, 3,811,210, 5-21-74, Cl. 38-144.000.

Cashin Systems Corporation: *See*—
Divan, William J., 3,846,957.
Divan, William J., 3,846,958.
Spooner, Robert J., 3,835,742.

Casiano, Sergio M. Expresso coffee machine. 3,824,914, 7-23-74, Cl. 99-302.00r.

Casio Computer Co., Ltd.: *See*—
Hakata, Masayuki, 3,855,459.
Ishii, Hiroshi, 3,805,276.
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Kashio, Toshio, 3,829,664.
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Kashio, Toshio, 3,848,250.
Kashio, Toshio, 3,855,780.
Kashio, Yukio; and Ishii, Hiroshi, 3,842,230.
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Casio Computer Kabushiki Kaisha: *See*—
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Kashio, Toshio, 3,832,697.

Casler, David Henry, to International Business Machines Corporation. Optical scanning system. 3,783,295, 1-1-74, Cl. 250-567.000.

Casner, John W.: *See*—
Greulich, Robert G.; Casner, John W.; and Urciola, John A., 3,795,211.

Casner, John W.; Transue, James A.; and Skiba, John, to Singer Company, The. One step buttonhole operating and indicating devices. 3,841,246, 10-15-74, Cl. 112-177.000.

Cason, Charles M., III: *See*—
Hagood, Jerry W.; Cason, Charles M., III; and Shelton, Joe, 3,798,570.
Honeycutt, Thomas E.; Otto, William F.; and Cason, Charles M., III, 3,811,774.

Cason, Charles M., III; and Perkins, James F., to United States of America, Army. Autoionization spectrometer. 3,793,579, 2-19-74, Cl. 331-94.500.

Caspar, Jakob: *See*—
Arbenz, Heinz; and Caspar, Jakob, 3,812,902.

Casparian, Robert E.: *See*—
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Casper, Clarence, Jr.: *See*—
Games, John E.; Casper, Clarence, Jr.; and Kupersmith, Bertram, F., 3,831,010.
Games, John E.; and Casper, Clarence, Jr., 3,851,159.

Casper, William Paul. Belt tension gage. 3,839,908, 10-8-74, Cl. 73-144.000.

Caspers, Willi A.: *See*—
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Casperson, John H.; and Tsilibes, George N., to Xerox Corporation. Printing apparatus employing stepping motor control system. 3,810,189, 5-7-74, Cl. 346-74.0es.

Caspi, Eliahu; and Aberhart, Donald J. Synthesis of 14 β hydroxysteroids. 3,828,029, 8-6-74, Cl. 260-239.55r.

Cass, Boyd E., to Carad, Inc. Slag conditioner for iron and steel processes. 3,799,762, 3-26-74, Cl. 75-55.000.

Cass, Carroll J.: *See*—
Hoxeng, Julian S., 3,800,336.

Cass, Eugene E.; Enichen, William A.; and Havas, Janos, to International Business Machines Corporation. Forming a compact multilevel interconnection metallurgy system for semi-conductor devices. 3,844,831, 10-29-74, Cl. 117-212.000.

Cass, Eugene L.; Gustafson, Robert M.; and Young, Paul M., to International Business Machines Corporation. Semiconductor chip having connecting pads arranged in a non-orthogonal array. 3,795,845, 3-5-74, Cl. 317-234.00r.

Cass, George Robert, to Canadian National Railway Company. Combined digital-analogue speedometer. 3,832,635, 8-27-74, Cl. 324-166.000.

Cass International GmbH: *See—*
Parussel, Horst, 3,814,178.

Cass, Richard, to TRW Inc. Rack and pinion assembly. 3,820,415, 6-28-74, Cl. 74-498.000.

Cass, William F. Filler nozzle vapor seal and collector. 3,830,267, 8-20-74, Cl. 141-287.000.

Cassa, Jean: *See—*
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Cassady, Verl C. Automotive air conditioning apparatus. 3,823,573, 7-16-74, Cl. 62-238.000.

Cassal, Jean-Marie: *See—*
Boesch, Roger; Blind, Andre; and Cassal, Jean-Marie, 3,846,440.

Cassamassima, Salvatore: *See—*
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Cassand, Jean; Dubois, Jean-Claude; and Cholet, Jacques, to Institut Francais du Petrole, des Carburants et Lubrifiants. Pressure wave piezoelectric sensor of continuous structure. 3,798,474, 3-19-74, Cl. 310-9.600.

Cassany, Jean Louis Roger: *See—*
Margala, Jean Pierre; and Cassany, Jean Louis Roger, 3,824,483.

Cassar, Louis Joseph; and O'Brien, Peter D. Paper dispenser. 3,804,061, 4-16-74, Cl. 118-325.000.

Cassar, Luigi; Foa, Marco; and Chiusoli, Gian Paolo, to Montecatini Edison S.p.A. Catalytic process for preparing meta-cresol. 3,793,378, 2-19-74, Cl. 260-621.00r.

Cassarly, James William; Graeff, Norwood Claude; Hooper, Dean Roosevelt; Pauza, William Vito; Sheesley, Wilmer Lee; and Youngfleish, Frank Christian, to AMP Incorporated. Electromechanical relay. 3,833,869, 9-3-74, Cl. 335-106.000.

Casse, Robert; Robin, Henri; and Vallas, Gilbert, to Electronique Marcel Dassault. Tracking and homing radar with digital register for the storage of distance information. 3,820,119, 6-25-74, Cl. 343-7.300.

Cassel, Erland, to Allgon Antenn AB. Logarithmic, periodical antenna array. 3,836,975, 9-17-74, Cl. 343-792.500.

Cassel, Harrison H., to Palmer-Shile Company. Electrical control system. 3,799,057, 3-26-74, Cl. 104-1.00r.

Cassel, Klaus, to Werkzeug-Union GmbH. Wire-cutting tool provided with holding member. 3,842,500, 10-22-74, Cl. 30-124.000.

Cassel, Thomas R. Pipe coupling unit. 3,827,733, 8-6-74, Cl. 285-382.200.

Cassella Farbwerke Mainkur Aktiengesellschaft: *See—*
Beyerle, Rudi; Stachel, Adolf; Nitz, Rolf-Eberhard; and Scholtholt, Josef, 3,793,320.
Beyerle, Rudi; Stachel, Adolf; Nitz, Rolf-Eberhard; and Scholtholt, Josef, 3,855,223.
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Heid, Christian; and Heinrich, Ernst, 3,788,806.
Kindler, Horst; Fischer, Hans-Gerhard; Antoni, Wilhelm; and Appel, Ewald, 3,799,941.
Loewe, Walther; Cossmann, Karl-Heinz; and Meyer, Ernst, 3,801,587.
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Cassella, John N.; and Cavalier, James J., to Tremco Manufacturing Company, The. Method of detecting and repairing a structural roof damaged by subsurface moisture. 3,791,097, 2-12-74, Cl. 52-741.000.

Cassella, Vincent Joseph, Jr., to Pennwalt Corporation. Method of preparing dry-cleanable soil-resistant leathers. 3,784,400, 1-8-74, Cl. 117-62.200.

Cassens, Nicholas, Jr.: *See—*
Neely, Joseph E.; and Cassens, Nicholas, Jr., 3,834,914.

Cassens, Nicholas, Jr., to Kaiser Aluminum & Chemical Corporation. Refractory ramming Mix. 3,816,146, 6-11-74, Cl. 106-58.000.

Casserley, Barrie, to Triplex Safety Glass Company Limited. Processing of laminated transparent panels. 3,801,397, 4-2-74, Cl. 156-99.000.

Casset, Georges; Driffort, Jean-Pierre, and Lebel, Pierre, to Ste dite France-Couleur. Mounting arrangement for coplanar grids having common flat strip cathode. 3,846,659, 11-5-74, Cl. 313-411.000.

Cassette Sciences Corporation: *See—*
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Cassey, Harold C. Clamp-type light for swimming pool. 3,793,516, 2-19-74, Cl. 240-26.000.

Cassey, Harold C. Swimming pool light system. 3,801,022, 4-2-74, Cl. 240-26.000.

Cassey, Harold C. Removable outdoor light structure. 3,805,055, 4-16-74, Cl. 240-84.000.

Cassia, Antonio Macchi, to Steiner American Corporation. Towel dispenser. 3,843,219, 10-22-74, Cl. 312-38.000.

Cassibo, Vernon E.: *See—*
Klemp, Eldon J.; and Cassibo, Vernon E., 3,843,859.

Cassibo, Vernon Edward: *See—*
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Cassidy, Harry Eugene. Hair treatments. 3,814,110, 6-4-74, Cl. 132-7.000.

Cassidy, Harry J., to Chrysler Corporation. Rotary vane refrigerant gas compressor. 3,820,924, 6-28-74, Cl. 418-89.000.

Cassidy, Herbert W. D.: *See—*
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Cassidy, John Edward; and Millar, Philip Glenn, to Imperial Chemical Industries Limited. Complex aluminium phosphates. 3,821,357, 6-28-74, Cl. 423-300.000.

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Cassidy, Paul G. Building raising and underpinning system. 3,852,970, 12-10-74, Cl. 61-51.000.

Cassill, William Guy, to Mead Corporation, The. Deflection electrode assembly for a jet drop recorder. 3,787,883, 1-22-74, Cl. 346-75.000.

Casson, Harold V.; Bennett, James S.; and Loftfield, Richard E., 50% to Diamond Shamrock Corporation and 50% to Huron Chemicals Limited. Electrolytic cell for the production of oxyhalogens. 3,819,503, 6-25-74, Cl. 204-268.000.

Casstevens, Floyd C., Jr.; and Henry, Truett C., to F & W Products, Inc. Holder for ties and the like. 3,793,681, 2-26-74, Cl. 24-60.000.

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Cast, Jack. Monolithic structure forming means with metal tubular bracing. 3,826,460, 7-30-74, Cl. 249-27.000.

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Castagnola, Philip J. Surfboard ankle leash. 3,802,011, 4-9-74, Cl. 9-310.00e.

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Castaldi, John A., to Supreme Equipment & Systems Corporation. Means for selectively removing a preselected number of articles from an inventory storage means. 3,802,580, 4-9-74, Cl. 214-16.40a.

Castaldi, John A., to Supreme Equipment & Systems Corporation. Storage and retrieval system. 3,840,131, 10-8-74, Cl. 214-16.40a.

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Castan, Joseph; and Fremont, Claude Francis Fernand Yves, to HERFILCO. Dynamic proportional metering device for fluids. 3,830,403, 8-20-74, Cl. 222-57.000

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Castanis, George, to Kohner Bros. Inc. Pegged board puzzle 3,833,222, 9-3-74, Cl. 273-156.000

Castanoli, Alder F. Interchangeable path drying apparatus. 3,805,406, 4-23-74, Cl. 34-109.000

Castarede, Armand, to Regie Nationale des Usines Renault and Automobiles Peugeot. Drive belt tensioning device. 3,811,333, 5-21-74, Cl. 74-242.15r.

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Castela, Andre; and Joubert, Philippe, to Institut Francais du Petrole, des Carburants et Lubrifiants. Apparatus for applying a substantially constant tension to an elongated member connected to an installation subject to alternating movements. 3,788,073, 1-29-74, Cl. 60-413.000.

Castela, Andre; and Joubert, Philippe, to Institut Francais du Petrole, des Carburants et Lubrifiants. Device supplying a working fluid under a determined pressure. 3,788,074, 1-29-74, Cl. 60-413.000.

Castela, Andre, to Institut Francais de Petrole, des Carburants et Lubrifiants. Device for coupling hydraulic pipes associated to apparatuses which are releasable connected to each other. 3,838,709, 10-1-74, Cl. 137-614.020.

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Castillo, Herman B., to Eaton Corporation. Liquid-vapor cycle air-condition system. 3,799,243, 3-26-74, Cl. 165-19.000.

Castine, William A., Jr., to PPG Industries, Inc. Packaging device. 3,853,219, 12-10-74, Cl. 206-448.000

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Castoe, John H., to Applied Power Industries, Inc. Spring compressor. 3,814,382, 6-4-74, Cl. 254-10.500.

Castoe, John H. Vehicle wheel camber and caster adjustment tool. 3,840,211, 10-8-74, Cl. 254-131.000.

Castoe, John Herman, to Branick Manufacturing Company. Push-pull tool. 3,807,693, 4-30-74, Cl. 254-1.000.

Castoe, John Herman. Independent suspension system for a motor vehicle having camber and caster adjustments. 3,819,202, 6-25-74, Cl. 280-96.20b.

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Castriota-Scanderbeg, George, to Sulzer Brothers Ltd. Pivoting valve. 3,837,616, 9-24-74, Cl. 251-30.000.

Castro, Anthony J., to Akzona Incorporated. Polyhydroxyamide compounds. 3,840,572, 10-8-74, Cl. 260-404.000

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Castro, Rodolfo; and Toscano, Esteban J. Method of material holding and smoke removal for a laser cutter. 3,808,672, 5-7-74, Cl 29-559.000.

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Castrucci, Paul P.; Grochowski, Edward G.; North, William D.; and Palfi, Thomas L., to International Business Machines Corporation Common emitter transistor integrated circuit structure. 3,801,836, 4-2-74, Cl. 307-303.000

Casull, Richard J. Means for coupling a hand gun to an auxiliary stock. 3,798,818, 3-26-74, Cl. 42-72.000.

Casull, Richard J. Revolver cylinder lock. 3,831,305, 8-27-74, Cl. 42-67.000.

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Catalano, Paul D.; Buten, Norman; Eash, George H.; and Emanuel, Frank V., to Retention Communication Systems, Inc. Audio-visual system. 3,787,114, 1-22-74, Cl. 352-31.000.

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Cataldo, Roy S., to General Motors Corporation. Quenched combustion separated change internal combustion engine. 3,805,752, 4-23-74, Cl. 123-75.00r.

Cataldo, Roy S., to General Motors Corporation. Dual combustion engine and cycle. 3,808,818, 5-7-74, Cl. 60-620.000.

Cataldo, Roy S., to General Motors Corporation. Regenerative steam ignition internal combustion engine. 3,842,808, 10-22-74, Cl. 123-25.00p.

Catallozzi, David J. Fixture support. 3,848,386, 11-19-74, Cl. 52-706.000.

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Catchpole, Richard John, to International Standard Electric Corporation. Error detector for low disparity code signals. 3,825,892, 7-23-74, Cl. 340-146.lab

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Cater, John P. Coded time indicating transmission system. 3,811,265, 5-21-74, Cl. 58-24.00r.

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Cates, Robert E.; and Mitchell, Robert M., to Marley Company, The. Pneumatic weir water level control for cooling tower hot water distribution basin. 3,794,304, 2-26-74, Cl. 261-111.000.

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Cath, Pieter B.; and Angeline, Gary E., to Keithley Instruments, Inc. High speed current amplifier. 3,787,776, 1-22-74, Cl. 330-2.000.

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Catherall, Reginald; and Knowles, Susan, to Solartron Electronic Group Limited, The. Function generation by approximation employing interative interpolation. 3,789,203, 1-29-74, Cl. 235-152.000.

Catherin, Jean-Michel: *See*—
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Cathers, George I.; and Shipman, Calvin J., to United States of America, Atomic Energy Commission. Method for removing iodine from nitric acid. 3,803,295, 4-9-74, Cl. 423-390.000.

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Cato, Carl P., to Dacam Corporation. Loading station structure for tray forming machine. 3,819,057, 6-25-74, Cl. 211-50.000.

Cato, Carl P., to Dacam Corporation. Apparatus for decapping bottles. 3,844,093, 10-29-74, Cl. 53-381.00a.

Cato, Joseph L.; and Correia, Theophilo A. Apparatus for indicating when a roll-off container is filled with compacted refuse. 3,787,830, 1-22-74, Cl. 340-246.000.

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Caton, George, to Yorkshire Switchgear and Engineering Co. Limited. Electrical switchgear with primary and secondary switch means associated with current transformer. 3,842,321, 10-15-74, Cl. 317-103.000.

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Catto, Kenneth A.; and Burt, Harold R., to Data Time, Inc. Telephone answering device. 3,833,186, 9-3-74, Cl. 242-201.000.

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Caudill, Herman T., to Singer Company, The. Apparatus for shielding against electromagnetic interference. 3,830,954, 8-20-74, Cl. 174-35.0ms.

Caudill, Kent H. Electrified trolley track. 3,855,937, 12-24-74, Cl. 104-94.000.

Caudill, Louis O., to United States of America, National Aeronautics and Space Administration. Long range laser traversing system. 3,804,525, 4-16-74, Cl. 356-152.000.

Cauge, Thomas P.; and Kocsis, Joseph, to Signetics Corporation. High voltage, high frequency double diffused metal oxide semiconductor device. 3,845,495, 10-29-74, Cl. 357-23.000.

Caughlin, James Daniel, to Ginners Incorporated. Cotton lint cleaner. 3,854,170, 12-17-74, Cl. 19-202.000.

Caule, Elmer J.; Sperry, Philip R.; Pryor, Michael J.; and Ford, James A., to Olin Corporation. Oxidation resistant iron base alloy. 3,811,874, 5-21-74, Cl. 75-125.000.

Caule, Elmer J., to Olin Corporation. Method of producing tarnish resistant copper and copper alloys and products thereof. 3,833,433, 9-3-74, Cl. 156-3.000.

Caule, Elmer J., to Olin Corporation. Method of producing tarnish resistant copper and copper alloys and products thereof. 3,837,929, 9-24-74, Cl. 148-6.160.

Caule, Elmer J., to Olin Corporation. Copper-plastic laminate. 3,853,691, 12-10-74, Cl. 161-191.000.

Cauley, William J.; and Maykuth, Joseph F., to Babcock & Wilcox Company,, The. Piercing process. 3,818,733, 6-25-74, Cl. 72-41.000.

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Cavaliere, Joseph R.; and Mooney, Donald B., to International Business Machines Corporation. Monolithic decoder circuit. 3,795,828, 3-5-74, Cl. 307-303.000.

Cavalieri d'Oro, Enzo; and Salari, Luciano, to Societa Italiana Telecomunicazioni Siemens S.p.A. Tracking system with pointing error detector. 3,821,741, 6-28-74, Cl. 343-117.00r.

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Cavallero, Louis Thomas; and Elnicki, Walter Joseph, to Aer Corporation. Hydrocarbon oxidizer system. 3,817,687, 6-18-74, Cl. 431-202.000.

Cavallo, Roger Paul Charles, to Synthelabo. Control device for a respiratory apparatus. 3,831,596, 8-27-74, Cl. 128-145.800.

Cavallucci, Antonio. Device for surface sandblasting by metal grit or the like. 3,857,202, 12-31-74, Cl. 51-9.00r.

Cavanaugh, John Herbert, to Abbott Laboratories. Method of treating tardive dyskinesia using L-prolyl L-leucyl glycine amide. 3,851,055, 11-26-74, Cl. 424-177.000.

Cavanaugh, Robert E., Jr., to Amchem Products, Inc. Method for protecting painted workpieces in a bake oven. 3,784,404, 1-8-74, Cl. 117-97.000.

Cavanaugh, Robert J.: *See—*
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Cavanna, Cesar: *See—*
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Cavatassi, Dominic. Smoke washer apparatus. 3,797,204, 3-19-74, Cl. 55-227.000.

Cavazos, Antonio M.; and Kelley, Donald W., to Thuron Industries, Inc. Fire retardant compositions. 3,819,517, 6-25-74, Cl. 252-8.100.

Cavcom, Inc.: *See—*
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Cave, Gordon Milford, to Coplastix Limited. Valve. 3,809,119, 5-7-74, Cl. 137-527.800.

Cavelti, Josef: *See—*
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Caveness, Gerald W. Basketball training aid. 3,820,783, 6-28-74, Cl. 273-1.50a.

Caveney, Jack Edward; and Moody, Roy Alleyne, to Panduit Corporation. Wire insertion and splicing system including reaction tool. 3,810,288, 5-14-74, Cl. 29-203.00p.

Caverly, Brian Leonard; Meertens, Gerard Joseph Hendrik; and Rossell, John Barry, to Lever Brothers Company. Process for preparing edible fats by hydrogenation and fractionation of triglyceride fatty oils containing C_{20} and C_{22} fatty acids. 3,790,608, 2-5-74, Cl. 260-409.000.

Caves, Lawrence C., Jr.: *See—*
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Cavett, John Dill; and Hopkins, Robert Sherman, Jr., to RCA Corporation. Video stripper. 3,813,488, 5-28-74, Cl. 178-7.100.

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Cavier, Raymond E.: *See—*
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Cavil, David T., to Outboard Marine Corporation. Cathodic protection system for marine propulsion unit. 3,830,719, 8-20-74, Cl. 204-196.000.

Cavins Co., The: *See—*
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Cavitt, Stanley Bruce, to Jefferson Chemical Company, Inc. Hydrocarbon soluble phosphorus-modified molybdenum catalysts. 3,784,482, 1-8-74, Cl. 252-431.00p.

Cavitt, Stanley Bruce, to Jefferson Chemical Company, Inc. Silicon containing molybdenum catalysts. 3,787,329, 1-22-74, Cl. 252-431.00r.

Cavitt, Stanley Bruce, to Jefferson Chemical Company, Inc. Process for oxidizing olefins using hydrocarbon soluble phosphorus-modified molybdenum catalysts. 3,856,826, 12-24-74, Cl. 260-348.50v.

Cavitt, Stanley Bruce, to Jefferson Chemical Company, Inc. Silicon containing molybdenum catalysts. 3,856,827, 12-24-74, Cl. 260-348.50v.

Cavrich, George. Garment makers mannequin. 3,833,158, 9-3-74, Cl. 223-68.000.

Cawley, Charles R., Jr.: *See—*
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Cawley, John D.; and Haber, Jan W. H., to Eastman Kodak Company. Polymeric acrylic compounds. 3,799,972, 3-26-74, Cl. 260-486.00r.

Cawley, Leo P. Electrophoresis cell means. 3,798,152, 3-19-74, Cl. 204-299.000.

Cawley, Leo P. Stabilizing media template. 3,801,491, 4-2-74, Cl. 204-299.000.

Cawley, Leo P., Gurske, William A.; and Goodwin, William L. Mold forming device. 3,816,045, 6-11-74, Cl. 425-175.000.

Cawley, Leo P. Electrolytic cell means. 3,829,375, 8-13-74, Cl. 204-299.000.

Cawley, Leo P., to Bioware, Inc. Stabilizing media template. 3,844,918, 10-29-74, Cl. 204-180.00g.

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Cawley, Richard E., to Lennox Industries Inc. Screw compressor. 3,796,526, 3-12-74, Cl. 418-97.000.

Cayol, Andre; and Clottes, Georges, to Commissariat a l'Energie Atomique. Nuclear reactor fuel element. 3,801,449, 4-2-74, Cl. 176-68.000.

Cayol, Andre; Chenal, Jean-Claude; Clottes, Georges; Schaller, Karl; Skok, Jean; and Venobre, Henri, to Commissariat a l'Energie Atomique. Nuclear fuel assembly, especially for a fast reactor. 3,816,247, 6-11-74, Cl. 176-78.000.

Cayol, Andre, and Ratier, Jean-Louis, to Clottes, Georges and Commissariat a l'Energie Atomique. Nuclear fuel pin. 3,816,248, 6-11-74, Cl. 176-81.000.

Cayton, David W., to FMC Corporation. No can-no fill for high speed rotary filling machine. 3,826,293, 7-30-74, Cl. 141-142.000.

Cayton, Thomas C., Jr., to Motorola, Inc. Tape head indexing and shifting apparatus. 3,838,456, 9-24-74, Cl. 360-78.000.

Cayuga Associates, Inc.: *See—*
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Caywood, James A.; McKeron, Charles E.; and Smith, Willard G., to Ford Motor Company. Tractor hydraulic lift control valve. 3,827,336, 8-6-74, Cl. 91-446.000.

Caywood, John Millard, to Texas Instruments Incorporated. Charge coupled device IR imager. 3,806,729, 4-23-74, Cl. 250-339.000.

Cazalis, Jean-Pierre, to LaCalhene. Tight enclosure for the treatment of a patient in a confined atmosphere. 3,802,416, 4-9-74, Cl. 128-1.00r.

Cazalis, Jean-Pierre. Gas-tight enclosures for surgical operations. 3,850,172, 11-26-74, Cl. 128-204.000.

Cazan, Cornel: *See—*
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Cazanove, Jean, to Burroughs Corporation. Method and device for transfer of series process information particularly for synchronization in an electronic computer. 3,795,897, 3-5-74, Cl. 340-172.500.

Cazel, Hugh A.: *See—*
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CBS, Inc.: *See—*
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CCA Electronics: *See—*
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CCI Aerospace Corporation: *See—*
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CDRH Limited, mesne: *See—*
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Cear, Stanley; and Feltzin, Joseph, to ICI America Inc. Semi-rigid polyurethane foams from a mixture of oxypropylated polyols. 3,833,526, 9-3-74, Cl. 260-2.5ap.

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Cebalo, Tony; and Buntrock, Robert Edward, to Air Products and Chemicals, Inc. Certain oxadiazolyl and thiadiazolyl amidines. 3,784,555, 1-8-74, Cl. 260-306.80d.

Cebalo, Tony, to Air Products and Chemicals, Inc. Herbicidal method and compositions. 3,856,503, 12-24-74, Cl. 71-90.000.

Cebula, Jerome J.: *See—*
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Ceccarelli, Pietro, to Olivetti, Ing., C., & C., S.p.A. Top-access cabinet for suspended files and the like. 3,837,722, 9-24-74, Cl 312-276.000.

Ceccarelli, Pietro, to Olivetti, Ing C., & C., S.p.A. Support of bent stiff wire for suspended files or the like, removable insertable into a furniture drawer. 3,848,748, 11-19-74, Cl. 211-178.00r.

Cecce, Robert F. Cargo transferring vessel and method. 3,826,384, 7-30-74, Cl. 214-13.000.

Cecchetti, Claudio, to Arco Falc srl. Game board with retractable ball return. 3,822,886, 7-9-74, Cl. 273-125.00r.

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Ceccon, J. Paul. Egg shell cutting device. 3,839,792, 10-8-74, Cl. 30-120.100.

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Cedarholm, Oscar R. Vehicle fuel injector and carburetor unit. 3,857,912, 12-31-74, Cl. 261-144.000.
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Ceplon, Peter Sol. Spacer system for use with pipes employing tracer lines. 3,782,452, 1-1-74, Cl. 165-135.000.
Cerami, Anthony; and Manning, James M., to Research Corporation. Treatment of sickel cell anemia. 3,833,724, 9-3-74, Cl. 424-129.000.
Ceramic Coating Company, The: *See—*
Bhat, Vasanth Kumar; and Shapter, Alan Richard, 3,850,647.
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Cerankowski, Leon D.; and Mattucci, Neil, to Polaroid Corporation. Novel photographic products and processes. 3,832,173, 8-27-74, Cl. 96-3.000.
Cerasari, Nicholas P. Floating boom. 3,800,542, 4-2-74, Cl. 61-1.00f.
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Cercone, Daniel. Hair dryer nozzle. 3,797,752, 3-19-74, Cl. 239-443.000.
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Ceremsak, Richard J.; and Hersey, Avon H., to General Electric Company. Abrading mixture. 3,816,086, 6-11-74, Cl. 51-308.000.
Cerioni, Giuseppe Renzo, to El Cu S.p.A. Butt end stitching machine. 3,797,424, 3-19-74, Cl. 112-169.000.
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Cermak, Eduard. Brake and emergency brake installation for vehicle trailers. 3,819,238, 6-25-74, Cl. 303-47.000.
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Cermak, Robert E., to SCM Corporation. Heat-sensitive condiment-containing fatty particulate. 3,796,814, 3-12-74, Cl. 426-98.000.
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Riha, Miloslav; Vystrcil, Karel; Cernocky, Jiri; and Zgarda, Milan, 3,800,835.
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Cerny, Louis Joseph; and Rupprecht, Herbert Albert, to American Telephone and Telegraph Company. Busy outlet group control for switching system. 3,840,709, 10-8-74, Cl. 179-18.0ea.
Cerny, Louis T.: *See—*
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Cerola, Joseph J., to Jenn-Air Corporation. Stove with selectively interchangeable cooking apparatus. 3,797,375, 3-19-74, Cl. 99-340.000.
Ceromet, Inc.: *See—*
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Cervantes, Joyce P. Sanitary napkin. 3,828,786, 8-13-74, Cl. 128-290.00r.
Cervantes, Lois H. Sewage treatment system. 3,804,755, 4-16-74, Cl. 210-50.000.
Cervenec, Stephen William; Orr, Albert Stanford; and Snyder, Richard N., to Reliance Electric Company. Brake and control therefor. 3,830,344, 8-20-74, Cl. 188-171.000.
Cerveny, Ladislav, to Institut Manipulacnich. Removable or stripable anti corrosive coating composition. 3,839,051, 10-1-74, Cl. 106-14.000.
Cerveny, Walter J., to Triplett Corporation. Micropower autopolarity voltmeter. 3,829,774, 8-13-74, Cl. 324-115.000.
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Cerwonka, Edward J., to GAF Corporation. Triacrylyldiethylenetriamine, method of producing the same, and photopolymerization process and system utilizing the same. 3,801,638, 4-2-74, Cl. 260-561.00n.
C.E.S.(Grinding Machines) Limited: *See—*
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Cesar, Jean, to Compagnie Generale de Radiologie. Radiodiagnostic apparatus including a pivotable X-ray table. 3,852,611, 12-3-74, Cl. 250-445.000.
Cesari and McKenna: *See—*
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Cescon, Lawrence Anthony, to Du Pont de Nemours, E. I., and Company. Phototropic 2,4,5-triphenylimidazolyl radicals and dimers thereof. 3,784,557, 1-8-74, Cl. 260-309.000.
Ceserani, Roberto: *See—*
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Pauls, Charles W., 3,790,129.
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Schmucker, Loftin Waldean, 3,832,852.
Cessou, Maurice; and Cosyns, Jean. Process for hydrogenating aromatic hydrocarbons to naphthenic hydrocarbons of high purity and catalyst therefor. 3,798,279, 3-19-74, Cl. 260-667.000.
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Cetenko, Wiaczeslaw A.: *See—*
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Cetrulo, Frank A., to National Factors, Inc. Vine reducing apparatus for combine. 3,826,436, 7-30-74, Cl. 241-186.00r.
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Cevera, James C. Proportioning pump. 3,784,335, 1-8-74, Cl. 417-539.000.
Ceyrat, Bernard, to Etat Francais represente par le Ministre Charge de la Defense National Delegation Ministerielle pour l'Armement. Electrically actuated priming device. 3,809,964, 5-7-74, Cl. 102-28.00r.
CF&I Steel Corporation: *See—*
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Chabal, Joseph: *See—*
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Chabala, Leonard V.; and Evans, David M., to B & C Electric Company. High voltage switch with high current closing contacts. 3,787,651, 1-22-74, Cl. 200-146.00r.

Chabanis, Michel: *See—*
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Chabardes, Pierre; and Julia, Marc, to Rhone-Poulenc S.A. Process for the preparation of carotenoid compounds. 3,803,252, 4-9-74, Cl. 260-666.00c.

Chabardes, Pierre; and Colevray, Louis, to Rhone-Poulenc S.A. Ruthenium complexes and processes for their preparation. 3,804,868, 4-16-74, Cl. 260-429.00j.

Chabardes, Pierre; and Colevray, Louis, to Rhone-Poulenc S.A. Ruthenium complexes and processes for their preparation. 3,804,869, 4-16-74, Cl. 260-429.00j.

Chabardes, Pierre; Gandilhon, Pierre; Grard, Charles; and Thiers, Michel, to Rhone-Poulenc S.A. Process for producing alkyl ester of γ-cyano-acids. 3,828,092, 8-6-74, Cl. 260-465.400.

Chabardes, Pierre; Julia, Marc; and Menet, Albert, to Rhone-Poulenc S.A. Methylene-sulphones from the terpene series. 3,848,000, 11-12-74, Cl. 260-607.00a.

Chabardes, Pierre; Julia, Marc; and Menet, Albert, to Rhone-Poulenc S.A. Sulphones with a 1,6-dimethyl-hexa-1,5-dienylene chain. 3,850,991, 11-26-74, Cl. 260-607.00a.

Chabloz, Olivier: *See—*
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Chabon, Irwin. Intrauterine contraceptive device. 3,809,076, 5-7-74, Cl. 128-130.000.

Chabonat, Andre Marcel: *See—*
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Chabot, Seroe. Hoist assembly for use on scaffolds. 3,788,424, 1-29-74, Cl. 182-129.000.

Chabre, Andre Paul, to Commissariat a l'Energie Atomique. Method and device for the rapid measurement of the mass and concentration of particles. 3,844,174, 10-29-74, Cl. 73-432.0ps.

Chacko, Joseph: *See—*
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Chacko, Joseph, to Sargent Industries, Inc., mesne. Trigger mechanism for gas valving apparatus. 3,782,413, 1-1-74, Cl. 137-565.000.

Chacko, Joseph Nmi; Davy, Ronald H.; and Satterfield, Robert S., to Sargent Industries, Inc. Slide-raft for emergency aircraft evacuation. 3,833,088, 9-3-74, Cl. 182-48.000.

Chacon, Manuel Frank, to Johnson Service Company. Overvoltage protection circuit. 3,814,987, 6-4-74, Cl. 317-16.000.

Chacon, Manuel Frank, to Johnson Service Company. Multiple voltage monitoring apparatus. 3,852,727, 12-3-74, Cl. 340-213.00r.

Chacour, Selim A., to Allis-Chalmers Corporation. Hydraulic turbine nozzle. 3,824,033, 7-16-74, Cl. 415-151.000.

Chadbourn, Inc.: *See—*
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Chadha, Rajendra Nath; Crawford, James Edwin; and Getson, John Charles, said Chadha, said Lewis and said Getson, assors. to Stauffer Chemical Company. Room temperature vulcanizable graft copolymers on silicone containing backbone. 3,794,694, 2-26-74, Cl. 20-827.000.

Chadima, George E., Jr.; and Bruce, Robert A., to Norand Corporation. Data collection and utilization system. 3,823,388, 7-9-74, Cl. 340-172.500.

Chadima, George E., Jr.; Wallace, Keith; and Peyton, Gary, to Norand Corporation. Scanner template. 3,839,625, 10-1-74, Cl. 235-61.12n.

Chadsey, Carl T., Jr.: *See—*
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Chadwick, Brian. Insulated smokestack conduits. 3,822,636, 7-9-74, Cl. 98-60.000.

Chadwick, David H.; and Reetz, Theodor; deceased (by Reetz, Adele; administratrix), to Baychem Corporation. Polyurethane elastomers. 3,845,019, 10-29-74, Cl. 260-75.0nq.

Chadwick, Duane G. Artificial sunrise. 3,798,889, 3-26-74, Cl. 58-19.00c.

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Chadwick, Stanley Vincent, to General Motors Corporation. Telescopic shock absorber shield tube. 3,844,314, 10-29-74, Cl. 138-109.000.

Chadwick, William H., Jr., to Sherman & Reilly, Inc. Helicopter bundle block. 3,837,623, 9-24-74, Cl. 254-134.3pa.

Chadwick, William H., Jr., to Sherman & Reilly, Inc. Grounding device for multi-conductor stringing blocks. 3,844,536, 10-29-74, Cl. 254-134.3pa.

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Chafer, Henry James; and Wright, Owen Edgar, to Rotax Limited. Spark ignition circuits. 3,818,253, 6-18-74, Cl. 307-314.000.

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Chafetz, Harry; Cullen, William P.; and Miller, Edward F., to Texaco Inc. Method for treating nitrogen-containing polymeric dispersants. 3,784,645, 1-8-74, Cl. 260-583.00p.

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Chaffee, James L. Trailer tongue weight scale. 3,797,594, 3-19-74, Cl. 117-136.000.

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Chaffee, William H.; Rubio, Alfred M.; and Lorenz, Richard L., to Columbia Broadcasting System, Inc. Apparatus for providing ball ends on guitar strings. 3,846,888, 11-12-74, Cl. 29-200.00b.

Chaffin, John H., III; Ellis, William D.; Heist, Herbert E.; and Walters, Wayne L., to Honeywell Inc. Patient-specimen identification system using stored associated numbers. 3,831,006, 8-20-74, Cl. 235-61.70r.

Chafftz, Harry: *See—*
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Chafghaichi, Majid: *See—*
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Chaft, Marc E. Intra uterine contraceptive devices. 3,807,395, 4-30-74, Cl. 128-130.000.

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Chahrouri, Kamal Najib. Rotary piston engine. 3,822,971, 7-9-74, Cl. 418-36.000.

Chahvekilian, Edgar; and Plichon, Jean Marc, to Pierrefitte-Auby. Method of cracking hydrocarbons under hydrogen pressure for the production of olefins. 3,842,138, 10-15-74, Cl. 260-683.00r.

Chai, Sie Yearl: *See—*
Rees, Richard W.; and Chai, Sie Yearl, 3,824,227.

Chai, Sooyoung, to Bell Telephone Laboratories, Incorporated. Solid-state diode array camera tube having electronic control of light sensitivity. 3,792,197, 2-12-74, Cl. 178-7.100.

Chaiet, Louis; and Mata, Justo, to Merck & Co., Inc. Antibiotic 234A and process for preparation. 3,851,054, 11-26-74, Cl. 424-122.000.

Chailer, John D. Wall outlet and switch box hole cutter. 3,833,311, 9-3-74, Cl. 408-22.000.

Chaille, James L.: *See—*
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Chaires, Anne Marie; Ciconte, Jean Marie; Hilliard, John Joseph; and Rosenbaum, Walter Steven, to International Business Machines Corporation. Bayesian online numeric discriminant. 3,839,702, 10-1-74, Cl. 340-146.30s.

Chakhlov, Vladimir Lukyanovich; Zvontsov, Alexandr Akimovich; and Filimonov, Anatoly Alexeevich. Betatron electromagnet. 3,805,202, 4-16-74, Cl. 335-210.000.

Chakrabarti, Jiban Kumar; and Todd, Alec, to Lilly Industries Limited. Certain dihalo-s-triazines used as plant fungicides. 3,830,915, 8-20-74, Cl. 424-249.000.

Chakrabarti, Jiban Kumar; and Szinai, Stephen Slomo, to Lilly, Eli, and Company. 2-Amino-adamantane methylamine. 3,833,653, 9-3-74, Cl. 260-563.00p.

Chakrabarty, Ananda: *See—*
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Chakrabarty, Ananda M., to General Electric Company. Microorganisms having multiple compatible degradative energy-generating plasmids and preparation thereof. 3,813,316, 5-28-74, Cl. 195-28.00r.

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Chalfin, Gregory T., to Aerojet-General Corporation. Metal detection system. 3,784,899, 1-8-74, Cl. 356-5.000.

Chalkley, Jack Rigler; and Thomas, David Meirion, to Impregnated Diamond Products Limited. Abrasive tool comprising a continuous porous matrix of sintered metal infiltrated by a continuous synthetic resin. 3,850,590, 11-26-74, Cl. 51-298.000.

Challandes, Claude, to Montres Rolex S.A., Manufacture des Rolex S.A. and Societe anonyme de la fabrique d'horlogerie Le Coultre & Cie. Device for transforming oscillating movement into rotary movement. 3,817,110, 6-18-74, Cl. 74-142.000.

Challenge-Cook Bros., Incorporated: *See—*
Brennan, George; and Prichard, Evan S., 3,838,885.
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Challier, Jean-Louis; Jenmart, Claude; Messer, Mayer Naoum; and Simon, Pierre, to Rhone-Poulenc S.A. Piperazin-1-yl carbonyloxy-isoindolin-1-ones. 3,818,011, 6-18-74, Cl. 260-268.0bc.

Challier, Jean-Louis; Jeanmart, Claude; and Messer, Mayer Naoum, to Rhone-Poulenc S.A. Pyrrolo(3,4-b)pyridine derivatives. 3,853,880, 12-10-74, Cl. 260-268.0bc.

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Chalmers, John Stuart, to Lee, Raymond, Organization, Inc., The. Toilet device for use by dogs. 3,817,213, 6-18-74, Cl. 119-1.000.

Chalmers, Peter Michael, to English Electric Valve Company, Limited. Travelling wave tubes. 3,786,301, 1-15-74, Cl. 315-3.600.

Chalmers, R. Robert. Hinge lock. 3,811,150, 5-21-74, Cl. 16-137.000.

Chalmers, Wallace G. Linkage component for vehicle suspension. 3,792,871, 2-19-74, Cl. 280-104.50a.

Chalupsky, Paul A.; and Nephew, Oliver T., to FMC Corporation. Sequenced crane boom. 3,841,494, 10-15-74, Cl. 212-55.000.

Chalvignac, Jean Ferdinand, to VIRAX. Device for fashioning a flange on a wall, and more particularly on a pipe wall. 3,817,071, 6-18-74, Cl. 72-120.000.

Chambaut, Jean Francois, to Thomson-CSF. Power transmission device in particular for a submarine camera. 3,795,817, 3-5-74, Cl. 307-38.000.

Chamber, James O., to Western Electric Company, Incorporated. Composite wire wrapping bit. 3,837,588, 9-24-74, Cl. 242-7.060.

Chamber of Mines Services (Properties): *See—*
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Chamberlain, Alan Hawker. Starting mechanisms for internal combustion engines. 3,796,102, 3-12-74, Cl. 74-8.000.

Chamberlain, Albert B., to Atlanta Stove Works, Inc. Heat exchanger for wall furnace. 3,841,301, 10-15-74, Cl. 126-110.00r.

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Chamberlain, Timothy, to Day Star Corporation. Freezer bag holder. 3,818,956, 6-25-74, Cl. 141-316.000.

Chamberlain, Walter W., III, to Armstrong Cork Company. Perforated vinyl film ceiling board. 3,844,875, 10-29-74, Cl. 161-112.000.

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Chamberlin, Charles L., to Sanibel Sound Co., Inc. Tape cartridge vending machine with rotatable panel. 3,804,480, 4-16-74, Cl. 312-117.000.

Chamberlin, Coleman R. File folder paper fastener. 3,822,950, 7-9-74, Cl. 402-15.000.

Chamberlin, Earl. Video film projector. 3,853,394, 12-10-74, Cl. 352-184.000.

Chamberlin, James W., to Lilly, Eli, and Company. Deshydroxymethyl derivatives of monensin. 3,832,358, 8-27-74, Cl. 260-345.700.

Chamberlin, John W.: *See—*
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Chamberlin, John Windsor: *See—*
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Chamberlin, Thomas A., to Dow Chemical Company, The. Epichlorohydrin-ammonia resin. 3,804,789, 4-16-74, Cl. 260-29.2ep.

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Chambers, Charles W., Jr., to Lorain Products Corporation. Amplifier circuit having a multiplicity of discrete operative states. 3,815,041, 6-4-74, Cl. 330-207.00a.

Chambers, Charles W., Jr.; and Kiko, Frederick J., to Lorain Products Corporation. Method and apparatus for amplifying signal transmission through transmission lines. 3,818,151, 6-18-74, Cl. 179-170.00t.

Chambers, Charles W., Jr.; and Kiko, Frederick J., to Lorain Products Corporation. Magnetizing current compensating circuit. 3,818,338, 6-18-74, Cl. 324-127.000.

Chambers, Charles W., Jr., to Lorain Products Corporation. Test-through circuit for telephone system voltage boosters. 3,825,698, 7-23-74, Cl. 179-16.00f.

Chambers, Charles W., Jr., to Lorain Products Corporation. Disconnect circuit for telephone systems. 3,828,139, 8-6-74, Cl. 179-16.00f.

Chambers, Charles W., Jr., to Lorain Products Corporation. Impedance simulating circuit for transmission lines. 3,828,281, 8-6-74, Cl. 333-17.000.

Chambers, Charles W., Jr., to Lorain Products Corporation. Test-through voltage booster circuit for telephone systems. 3,852,536, 12-3-74, Cl. 179-16.00f.

Chambers, Charles W., Jr., to Lorain Products Corporation. Switching circuit for preventing lost calls. 3,854,012, 12-10-74, Cl. 179-18.0ad.

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Chambers, Douglas L.: *See—*
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Chambers, Douglas L.; Carmichael, Donald C.; and Wan, Chong T., to Shatterproof Glass Corporation. Transparent article having reduced solar radiation transmittance and method of making the same. 3,826,728, 7-30-74, Cl. 204-192.000.

Chambers, Ferdinand Frank; and Dawson, Peter Hugh Bernon, to USM Corporation. Sole pressure members. 3,843,986, 10-29-74, Cl. 12-146.00r.

Chambers, Harley Edward; and Hoagland, Richard E. Protective cap and fluid cylinder assembly. 3,831,802, 8-27-74, Cl. 220-40.00r.

Chambers, Henry B., to Hydranautics. Transporter for heavy loads. 3,830,324, 8-20-74, Cl. 180-8.00c.

Chambers, Henry B., to Hydranautics. Chain jack with mechanically and hydraulically operated pawls. 3,845,935, 11-5-74, Cl. 254-110.000.

Chambers, James L.; to Criswell, H. C. Carrier accessory for beverages. 3,844,459, 10-29-74, Cl. 224-29.00b.

Chambers, John Frederick. Framework connector. 3,836,270, 9-17-74, Cl. 403-218.000.

Chambers, Marian W. Astrological board game apparatus. 3,785,654, 1-15-74, Cl. 273-134.00c.

Chambers, Marshall R. Automotive brake tester assembly. 3,824,847, 7-23-74, Cl. 73-132.000.

Chambers, Ondas S. Dental floss holder. 3,789,859, 2-5-74, Cl. 132-92.00r.

Chambers, Richard E.: *See—*
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Chambers, Samuel P.: *See—*
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Chambers, William John, to Du Pont de Nemours, E. I., and Company. Triazolyl golds. 3,803,158, 4-9-74, Cl. 260-299.000.

Chambers, William W., to Robertshaw Controls Company. Voltage compensated electrical control system. 3,783,369, 1-1-74, Cl. 323-22.0sc.

Chambers, William W.; Olander, Charles C.; and Brooks, James N., to Robertshaw Controls Company. Two-lead electrical control apparatus. 3,818,247, 6-18-74, Cl. 307-252.00f.

Chambers, Worthy L.: *See—*
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Chambon, Louis Jean, to Societe d'Etudes de Machines Speciales S.A. Damping device for rotary offset press. 3,785,285, 1-15-74, Cl. 101-148.000.
Chambon, Louis Jean, to Societe d'Etudes de Machines Speciales SA. Damping device for rotary offset printing machine. 3,805,700, 4-23-74, Cl. 101-148.000.
Chamecki, Samuel, to Les Joyets Rationnels. Parlour game. 3,823,943, 7-16-74, Cl. 273-131.00a.
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Champ, Robert Bruce; and Shattuck, Meredith David, to International Business Machines Corporation. Sensitive electrophotographic plates. 3,824,099, 7-16-74, Cl. 96-1.500.
Champagnat, Alfred; and Laine, Bernard Maurice, to British Petroleum Company Limited, The. Cultivation of micro-organisms on a feedstock consisting at least in part of straight chain hydrocarbons. 3,847,739, 11-12-74, Cl. 195-28.00r.
Champagnat, Alfred; and Laine, Bernard Maurice, to British Petroleum Company Limited, The. Cultivation of micro-organisms on a feedstock consisting at least in part of straight chain hydrocarbons. 3,853,704, 12-10-74, Cl. 195-28.00r.
Champagne, Albert. Storage unit. 3,805,965, 4-23-74, Cl. 211-77.000.
Champagne, Ralph R., to Rockwell International Corporation. Tapeguide raceway for rapier loom. 3,842,869, 10-22-74, Cl. 139-188.000.
Champan, Paul Leonard, to RCA Corporation. Electronic time measurement. 3,789,600, 2-5-74, Cl. 58-39.500.
Champayne, Roy J. Abrading machine with dust collecting unit. 3,826,045, 7-30-74, Cl. 51-170.00t.
Champeau, Andre, to Creusot-Loire. Apparatus for producing a flow in a liquid mixture. 3,790,141, 2-5-74, Cl. 261-77.000.
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Champion, Mary J.; Pottle, Clarence C.; and Gerber, Joseph H., 20% to Lee, Raymond, Organization, Inc., The. Box for electrical connections. 3,858,161, 12-31-74, Cl. 339-122.00r.
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Green, Sam J., 3,851,637.
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Champleboux, Jacques; and Delaux, Robert. Reinforcing members for rubber articles. 3,822,870, 7-9-74, Cl. 267-152.000.
Champot, Alain, to Ateliers de Constructions Metalliques de Caen. Roof composed of multipurpose self-supporting longitudinal elements, method and installation for its manufacture. 3,799,247, 3-26-74, Cl. 165-49.000.
Chamran, Morteza, to Perkin-Elmer Corporation, The. Log amplifier apparatus. 3,790,819, 2-5-74, Cl. 307-229.000.
Chan, Anthony P. H.; and Christensen, Arild. X-ray diffractometer having means for couling crystal mounted thereon. 3,839,635, 10-1-74, Cl. 250-278.000.
Chan, David Yee Hing, to American Cyanamid Company. Acrylonitrile polymerization terminated with a short stopping agent. 3,821,177, 6-28-74, Cl. 260-85.500.
Chan, James H., to Stauffer Chemical Company. Process for making arylsulfonyl halides. 3,795,705, 3-5-74, Cl. 260-543.00r.
Chan, Kingsley, to Lightolier Incorporated. Vandal resistant and weatherproof lighting fixture. 3,840,735, 10-8-74, Cl. 240-41.550.
Chan, Pierre Edouard, to Montecatini Edison S.p.A. Catalytic alloy of silver and tin for the production of ethylene oxide from ethylene. 3,819,537, 6-25-74, Cl. 252-476.000.
Chan, Rosalind Po-Kuen: *See—*
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Chan, See Fong. Controlled fertilizer feeder. 3,821,863, 7-2-74, Cl. 47-48.500.
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Chance, Britton. Method and apparatus for observing rates of reaction of oxygen in living tissues. 3,830,222, 8-20-74, Cl. 128-2.00a.
Chance, Glenn G.; Crews, Sam T.; and Wilson, Clenis E., to Smith International, Inc. Intermediate drill stem. 3,784,238, 1-8-74, Cl. 285-286.000.
Chance, Maynard R., to Thornhill-Craver Company. Metalliding process. 3,824,134, 7-16-74, Cl. 148-6.000.
Chance, Ronald E.; and Jones, William E., to Lilly, Eli, and Company. Polypeptides from bovine, ovine, human and porcine pancreas. 3,842,063, 10-15-74, Cl. 260-112.500.
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Chancellor, Charles W., Jr., to Chancellor Chair Company. Chair mat. 3,793,128, 2-19-74, Cl. 161-44.000.
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Chand, Ramesh, to Ecology Board, Inc. Gas emitting device. 3,856,204, 12-24-74, Cl. 239-34.000.
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Chandler, William T. Crash bar bracket assembly. 3,788,688, 1-29-74, Cl. 292-92.000.
Chandra, Grish, to Dow Corning Limited. Silicon-containing complexes. 3,856,837, 12-24-74, Cl. 260-429.00r.
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Chandross, Edwin Arthur; Fork, Richard Lynn; Kaminow, Ivan Paul; and Tomlinson, Walter John, III, to Bell Telephone Laboratories, Incorporated. Transparent media capable of photoinduced refractive index changes and their application to light guides and thelike. 3,809,686, 5-7-74, Cl. 260-89.50a.
Chandross, Edwin Arthur; Pryde, Carolie Anne; Tomlinson, Walter John, III; and Weber, Heinz Paul, to Bell Telephone Laboratories Incorporated. Photo-locking technique for producing integrated optical circuits. 3,809,732, 5-7-74, Cl. 264-22.000.
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Chang, Catherine Teh-Lin; Sheeto, Joseph John, Jr.; and Beutel, Jacob, to Du Pont de Nemours, E. I., and Company. Photopolymerizable compositions with improved resistance to oxygen inhibition. 3,844,790, 10-29-74, Cl. 96-86.00p.
Chang, Chen-Kuo, to Westinghouse Electric Corporation. Squirrel cage motor with improved rotor bar securing arrangement. 3,832,583, 8-27-74, Cl. 310-201.000.
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Chang, Edward H., to Fremont Industries, Inc. Silk screen cleaner composition. 3,853,782, 12-10-74, Cl. 252-139.000.
Chang, Gerald M., to Reichhold Chemicals, Inc. Unsupported catalyst for the oxidation of methanol to formaldehyde. 3,855,153, 12-17-74, Cl. 252-470.000.
Chang, Gregory I.; Buhrke, Rolfe E.; Rice, Verner K.; and Mele, John J., to GTE Automatic Electric Laboratories, Incorporated. Timing generator circuit for central data processor of digital communication system. 3,810,121, 5-7-74, Cl. 340-172.500.
Chang, Harry C.; Strand, Richard J.; and Suelflow, Raymond D., to International Business Machines Corporation. Magnetic keyboard. 3,848,252, 11-12-74, Cl. 340-365.00l.
Chang, Henry M., to First Dynamics, Inc. Combination liquid container and drinking straw. 3,792,798, 2-19-74, Cl. 220-90.200.
Chang, Henry M., to First Dynamics, Inc. Combination food container and eating utensil. 3,842,975, 10-22-74, Cl. 206-72.000.
Chang, Hoy Yink; and Aggarwal, Sohan L., to Burroughs Corporation. Multiple memory unit controller. 3,840,864, 10-8-74, Cl. 340-172.500.
Chang, Hsin-Lan Wang, to Squibb, E. R., & Sons, Inc. Process for converting compounds containing a cyclic sulfur group to aldehydes or ketones. 3,792,043, 1-12-74, Cl. 260-239.550.
Chang, Ifay F.; and Pennebaker, William B., to International Business Machines Corporation. Electroluminescent storage display. 3,796,909, 3-12-74, Cl. 315-12.000.
Chang, Ifay F.; and Dreyfus, Russell W., to International Business Machines Corporation. Addressable photochromic memory display device. 3,813,554, 5-28-74, Cl. 250-461.000.
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Chapman, Donald L. Carburetor. 3,855,366, 12-17-74, Cl. 261-41.00b.

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Chapman, Harold Sherman. Dual concentric drillpipe. 3,786,878, 1-22-74, Cl. 175-320.000.

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Chapman, James E.: *See*—
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Chapman, James Ronald: *See*—
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Chapman, William A.; and Severinghaus, Nelson. Twin rake mechanical classifier. 3,796,315, 3-12-74, Cl. 210-322.000.

Chaponis, Charles A.: *See*—
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Chappatte, Jean-Maurice, to Ebauches S.A. Timepice with digital hour display. 3,807,167, 4-30-74, Cl. 58-125.00c.

Chappeil, George M. Process for treating domestic and industrial liquid wastes. 3,812,032, 5-21-74, Cl. 210-52.000.

Chappel, Raymond M.: *See*—
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Chappell, Gilford A., to Exxon Research and Engineering Company. Oxygen-promoted thermal hydrocarbon conversion processes. 3,856,663, 12-24-74, Cl. 208-209.000.

Chappell, Gilmore H. Holder for a vacuum bottle. 3,799,600, 3-26-74, Cl. 294-31.200.

Chappell, Howard E.: *See*—
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Chappell, Michael John: *See*—
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Chappelle, Warner A.; and Stead, Jerry A. Garment bags. 3,809,194, 5-7-74, Cl. 190-41.00b.

Chappelow, Cecil C., Jr.; and Engel, James F., to Kerr-McGee Corporation. N-Cycloalkyl hydroxamic acids. 3,825,585, 7-23-74, Cl. 260-500.50h.

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Chapsal, Paul, to Trailigaz-Societe Industrielle du Traitement des Liquides et des Gaz. Device and apparatus for treating liquids such as drinking water and waste water. 3,823,923, 7-16-74, Cl. 261-93.000.

Chapurin, Gennady Alexandrovich. Flameless gas catalytic heater. 3,784,353, 1-8-74, Cl. 431-329.000.

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Chaput, Victor B., 1/2 to Simoneau, Alex. Torque transfer drive. 3,852,977, 12-10-74, Cl. 64-30.00d.

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Charamel, Pierre; and Bresson, Raymond, to Merlin Gerin, Societe Anonyme. Linearly extending electrical distribution system having extruded shape conductor rails. 3,790,725, 2-5-74, Cl. 191-29.000.

Charamel, Pierre, to Merlin Gerin, Societe Anonyme. Pivotally mounted current collecting contact shoe assembly. 3,808,383, 4-30-74, Cl. 191-49.000.

Charas, Seymour. Visual color response apparatus. 3,838,417, 9-24-74, Cl. 340-366.00b.

Charboneau, Benny J.; and O'Connor, Alton J., to Walbro Corporation. Electronically controlled liquid fuel pump. 3,849,031, 11-19-74, Cl. 417-417.000.

Charbonnages de France: *See*—
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Marcellini, Robert Ph. A., 3,818,606.
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Charbonneau, Albert J.; Conway, Gerard V.; and Hucko, Henry, to General Electric Company. Fuse bushing with sealing means providing hotstick changeout of fuse. 3,798,583, 3-19-74, Cl. 337-202.000.

Charbonnier, Francis M.: *See*—
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Charbonnier, Roger C., to Adret-Electronique. Frequency synthesizer with multiple control loops. 3,805,181, 4-16-74, Cl. 331-2.000.

Charbonnier, Roger C., to Adret-Electronique. Variable-ratio electronic counter-divider. 3,811,092, 5-14-74, Cl. 328-39.000.

Chardonneau, Joel; Libeau, Andre; and Sable, Claude, to Brissonneau et Lotz Chaudronnerie S.A. Lifting machine having a permanent reciprocating motion. 3,839,865, 10-8-74, Cl. 60-372.000.

Charest, Bernard: *See*—
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Charest, Francis G.: *See*—
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Charest, Kenneth; Hanley, Robert F.; and Ornstein, Jacob L., to Texas Instruments Incorporated. Thermostat metals. 3,829,296, 8-13-74, Cl. 29-195.500.

Chari, Madabushi: *See*—
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Chari, Nallan C. S.; and Marteny, William W. Method and apparatus for optimizing steam consumption of continuous digester. 3,822,179, 7-2-74, Cl. 162-17.000.

Chari, Srinivasan V., to Control Data Corporation. External magnetic field compensator. 3,816,776, 6-11-74, Cl. 310-13.000.

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Charkoudian, John C., to Polaroid Corporation. Novel photographic products and processes. 3,816,126, 6-11-74, Cl. 96-3.000.

Charland, Telesphore L.: *See*—
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Charles, Ernest; Leroi, Jean-Claude; and Pech, Michel, to Progil. Process for the treatment of aqueous solutions of phenol and hydrogen chloride. 3,829,509, 8-13-74, Cl. 260-621.00a.

Charles, George: *See*—
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Charles, Harry R.; and Miles, Donald L., to Chemfil Miles Chemical & Filter Co., Inc. Final rinse step in phosphating of metals. 3,819,423, 6-25-74, Cl. 148-6.15r.

Charles Inc.: *See*—
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Charles, Joel M.: *See*—
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Davie, Pierre Yvon; Charles, Joel M.; and Fourtier, Maurice Robert, 3,804,452.

Charles, Joseph T. Method and apparatus for storing buried telephone distribution wires. 3,819,847, 6-25-74, Cl. 174-37.000.

Charles, Joseph T. Modular fail-safe telephone station protector. 3,851,220, 11-26-74, Cl. 317-61.500.

Charles, Malcolm Jean; and Runge, Donald G., to B & J Manufacturing Company. Adjustable bead seater. 3,814,163, 6-4-74, Cl. 157-1.100.

Charles, Maynard. Spark tester. 3,828,246, 8-6-74, Cl. 324-18.000.

Charles, Richard J.: *See*—
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Charles, Richard J.; and Cech, Robert E., to General Electric Company. Process for producing deuterium-rich gas concentrate and transition metal-rare earth intermetallic hydride-deuteride. 3,839,537, 10-1-74, Cl. 423-263.000.

Charles, Richard J.; and Mitoff, Stephan P., to General Electric Company. Sealed sodium-iodine battery. 3,849,200, 11-19-74, Cl. 136-83.00r.

Charles-Massance, Francois, to La Cellophane. Apparatus for inverting flow in a conduit. 3,802,668, 4-9-74, Cl. 259-4.000.

Charlett, Dante J. Flower cutter. 3,855,699, 12-24-74, Cl. 30-135.000.

Charlez, Rune Kjell Evald. Nailing device. 3,847,321, 11-12-74, Cl. 227-7.000.

Charlot, Lincoln H., Jr., to Minnesota Mining and Manufacturing Company. Microstrip antenna. 3,803,623, 4-9-74, Cl. 343-846.000.

Charlson, Norman E., Jr.: *See*—
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Charlson, Paul Marlin; Den Tex, Karel; and Fingerson, Conrad Ferdinand, to International Business Machines Corporation. Impact printer. 3,811,377, 5-21-74, Cl. 101-93.00c.

Charlson, Thomas M. Horseshoe. 3,794,120, 2-26-74, Cl. 168-24.000.

Charlton, Carlyle D.: *See*—
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Charlton, Donald A.; and Ajioka, James S., to Hughes Aircraft Company. Integrated beacon antenna polarization switch. 3,787,869, 1-22-74, Cl. 343-756.000.

Charlton, Donald A.; and Chen, Chao C., to Hughes Aircraft Company. Polarization insensitive transmission phase shifter. 3,845,421, 10-29-74, Cl. 333-31.00r.

Charlton, John Cecil; and Lyons, Dermot, to Radiochemical Centre Limited, The. Technetium-99M generators. 3,827,986, 8-6-74, Cl. 252-301.10r.

Charlton, Walter F.: *See—*
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Charman, Bernard William: *See—*
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Charman, Bernard William, to Aerpat A.G. Riveting apparatus. 3,832,880, 9-3-74, Cl. 72-391.000.

Charmeil, Pierre; and DeBieuvre, Michel, to S.A.R.L."Constructions Isothermiques Bontami". Regulator for centralized refrigerating. 3,828,152, 8-6-74, Cl. 200-83.000.

Charmoli, Arthur J.: *See—*
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Charniga, Joseph. Siding mounting strip. 3,818,668, 6-25-74, Cl. 52-547.000.

Charnley, Peter W.; and Crichton, David R., to Honeywell Inc. Method of making glass seals. 3,803,874, 4-16-74, Cl. 65-36.000.

Charnley, Ralph E.: *See—*
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Charnock, John Anthony: *See—*
Andrew, Keith Lenton; Charnock, John Anthony; and Browne, John Prescott, 3,831,874.

Charnota, Steven; and Wolf, Arnold F. Stock pusher. 3,804,265, 4-16-74, Cl. 214-1.300.

Charns, Norman; and Matthews, Leo J., to General Motors Corporation. Bleed cap for a vehicle air cushion inflator. 3,829,124, 8-13-74, Cl. 280-150.0ab.

Charny, Abram Khaimovich: *See—*
Molochnikov, Nikolai Vladimirovich; Charny, Abram Khaimovich; and Prokhorov, Vladimir Alexandrovich, 3,823,459.

Charpentier, Jacques Georges: *See—*
De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges; Meyer, Jean-Claude; Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis; Charpentier, Jacques Georges; and Jacquot, Alain, 3,825,982.

Charpentier, Maurice, to Saint-Gobain. Fabrication of cellular resinous products. 3,800,018, 3-26-74, Cl. 264-53.000.

Charpentier, Maurice, to Saint-Gobain Industries, mesne. Method and apparatus for the production of sheet on block of agglomerated granules of polystyrene. 3,832,429, 8-27-74, Cl. 264-51.000.

Charransol, Pierre; Hauri, Jacques; and Athenes, Claude, to International Standard Electric Corporation. PCM switching network providing interleaving of outgoing and incoming samples to a store during each time slot. 3,832,492, 8-27-74, Cl. 179-15.0at.

Charrin, Paul J.: *See—*
Sears, Edward G., 3,813,170.

Charron, Charles S., to Aplitec Limited. Variable displacement rotary hydraulic machines. 3,805,526, 4-23-74, Cl. 60-487.000.

Charron, Jean-Claude; and Sagnard, Francois, to Duval, Saunier. Hot water heating system. 3,815,813, 6-11-74, Cl. 236-23.000.

Charske, Charles J., to Esso Production Research Company. Marine seismic cable buoyancy system. 3,794,965, 2-26-74, Cl. 340-7.0pc.

Charter Enterprises, Inc.: *See—*
West, James I., Jr., 3,788,086.

Charter Manufacturing Company, Inc.: *See—*
Eade, Maurice J.; and Mellowes, Charles N., 3,786,797.
Puchner, William R., 3,800,396.

Charter, Wayne M., to Quaker Oats Company, The. Apparatus for making a marbled meat pet food. 3,851,570, 12-3-74, Cl. 99-450.200.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Distributing device and heat exchanger embodying the same. 3,783,938, 1-8-74, Cl. 165-166.000.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Process for the connection by setting of collectors on water-boxes of heat exchangers. 3,793,701, 2-26-74, Cl. 29-421.000.

Chartet, Andre. Apparatus for the connection by setting of collectors on water-boxes of heat exchanges. 3,805,569, 4-23-74, Cl. 72-56.000.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Method of securing together two aluminum containing parts. 3,823,464, 7-16-74, Cl. 29-470.500.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Method for manufacturing and brazing various apparatuses and particularly heat exchangers. 3,852,873, 12-10-74, Cl. 29-487.000.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Method of soldering together an aluminum part and a ferrous or cuprous metal part. 3,855,682, 12-24-74, Cl. 29-157.30r.

Chartet, Andre, to Societe Anonyme des Usines Chausson. Method for brazing radiators made of aluminum. 3,857,164, 12-31-74, Cl. 29-483.000.

Chartier, Bernard: *See—*
Albertin, Andre; and Chartier, Bernard, 3,792,303.

Chartier, Robert: *See—*
Demers, Jacques; and Chartier, Robert, 3,844,439.

Chartmakers, Incorporated, The: *See—*
Linker, Edward A.; and Lepeer, Clarence M., 3,797,135.

Chartrain, Armand N.; and Newell, Carl W., to Korrosion-Clean-Klamp Co. Battery terminal clamp. 3,838,386, 9-24-74, Cl. 339-226.000.

Charvat, Vernon K., to Osborn Manufacturing Company, The. Grinding tool having a rigid and dimensionally stable resin binder. 3,850,589, 11-26-74, Cl. 51-296.000.

Charvet, Joseph. Method and apparatus for forming flexible corrugated members. 3,824,826, 7-23-74, Cl. 72-77.000.

Chas. Taylor's Sons Company, The: *See—*
Manigault, Edward L., 3,804,649.

Chase, Arthur B.: *See—*
Chase, Arthur B.; and Miller, Paul C., 3,841,746.

Chase, Arthur B.; and Miller, Paul C., 75% to Chase, Arthur B. and 25% to Miller, Paul C. Control for synchronizing projectors with an audio program. 3,841,746, 10-15-74, Cl. 353-15.000.

Chase, Ascher, to General Foam Plastics Corporation. Decorative ornament. 3,802,946, 4-9-74, Cl. 161-16.000.

Chase, Bernard S.; Frederick, Raymond H.; and Gorglione, Victor T. Stationary backlighted billboard, billboard display panel and method of making a billboard display panel. 3,827,169, 8-6-74, Cl. 40-125.00k.

Chase, Charles Peter: *See—*
Robrbaugh, Donald G.; Petersen, Everett James, Jr.; Chase, Charles Peter; and Pearson, William Robert, 3,814,582.
Rohrbaugh, Donald Gene; Petersen, Everett James, Jr.; and Chase, Charles Peter, 3,787,185.

Chase Corporation: *See—*
Lania, Anthony R.; Chase, Edward L.; Chase, Francis M.; Graham, Leonard P.; and Murray, James E., 3,855,051.

Chase, David E.; and Chapman, Eugene K., to Research Engineering & Manufacturing, Inc. Tap. 3,802,015, 4-9-74, Cl. 10-152.00t.

Chase, Earle Merritt: *See—*
Gerber, Heinz Joseph; Rich, Leonard G.; Webster, Ronald Bruce; Martino, Robert Louis; Chase, Earle Merritt; and D'Onofrio, Anthony, 3,857,525.

Chase, Edward L.: *See—*
Lania, Anthony R.; Chase, Edward L.; Chase, Francis M.; Graham, Leonard P.; and Murray, James E., 3,855,051.

Chase, Francis M.: *See—*
Lania, Anthony R.; Chase, Edward L.; Chase, Francis M.; Graham, Leonard P.; and Murray, James E., 3,855,051.

Chase, Harold E.; and Woods, Charles R. Disposable refrigerated container and refillable refrigerant supply vessel. 3,842,617, 10-22-74, Cl. 62-294.000.

Chase, Herbert S., 20% to Lee, Raymond, Organization, Inc., The. Folding shelving. 3,845,727, 11-5-74, Cl. 108-111.000.

Chase, Herbert S., to Lee, Raymond, Organization, Inc., The. Drawer for folding table. 3,848,545, 11-19-74, Cl. 108-26.000.

Chase, John Donald: *See—*
Skrivan, Joseph Francis; and Chase, John Donald, 3,856,918.

Chase, John Donald, to American Cyanamid Company. Colored rutile boules and method of making the same. 3,796,584, 3-12-74, Cl. 106-42.000.

Chase, John Donald, to American Cyanamid Company. Method of making sub-micron particles of metal carbides of enlarged and controlled particle size. 3,839,542, 10-1-74, Cl. 423-346.000.

Chase, John Donald; and Potter, Robert Louis, to American Cyanamid Company. Fire resistant acrylonitrile polymer articles containing submicron antimony oxide particles. 3,847,864, 11-12-74, Cl. 260-45.75b.

Chase, Myron C., to Weatherby/Nasco, Inc. Simulated human limb. 3,789,518, 2-5-74, Cl. 35-17.000.

Chase of California: *See—*
Chase, Willis E., 3,855,893.

Chase, Russell C. Apparatus for drawing ellipses. 3,808,691, 5-7-74, Cl. 33-30.00g.

Chase, Vance A., to Whittaker Corporation. Multi-directional reinforced composite and method of making the same. 3,837,985, 9-24-74, Cl. 161-55.000.

Chase, Willis E., to Chase of California. Electronic organ employing multiple waveform tone generators and chiff generators. 3,855,893, 12-24-74, Cl. 84-1.240.

Chase-Shawmut Company, The: *See—*
Belcher, Richard A., 3,832,665.
Knapp, Edward J., Jr., 3,824,520.
Knapp, Edward J., Jr., 3,838,374.
Kozacka, Frederick J., 3,810,062.
Kozacka, Frederick J., 3,843,948.
Kozacka, Frederick J., 3,851,289.
Kussy, Frank W.; Swain, Kenneth W.; and Angelis, John G. (said Swain and said Angelis assors. to), 3,840,835.

Salzer, Erwin, 3,810,061.
Salzer, Erwin, 3,810,077.
Salzer, Erwin, 3,839,786.
Salzer, Erwin, 3,846,728.
Salzer, Erwin, 3,848,214.
Swain, Kenneth W.; and Belcher, Richard A., 3,783,428.

Chasin, Mark: *See—*
Hoehn, Hans; and Chasin, Mark, 3,810,904.
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Chaska Chemical Company, Inc.: *See—*
Petsch, Harold A., 3,829,019.
Petsch, Harold A., 3,832,069.

Chaskin, Harold. Counting system for printed material. 3,795,797, 3-5-74, Cl. 235-102.000.

Chaskin, Harold. Counting system for printed material. 3,853,266, 12-10-74, Cl. 235-102.000.

Chassagne, Pierre J., to Bechtel International Corporation. Recovery of magnesium chloride hexahydrate from carnallite ore. 3,833,709, 9-3-74, Cl. 423-157.000.

Chasson, Leon H., to Atmospheric Sciences, Incorporated. Automatic system for measuring selected dimensions. 3,787,700, 1-22-74, Cl. 250-219.0th.

Chastain, Erle D. Stabilized lamp. 3,846,627, 11-5-74, Cl. 240-62.200.

Chastan-Bagnis, Lucien. Scoop for collecting a layer of polluting material on water surfaces. 3,847,815, 11-12-74, Cl. 210-242.000.

Chatain, Michel: *See—*
Bocquet, Maurice Henri; and Chatain, Michel, 3,841,947.

Chatanier, Michel Jean; Leynaert, Jacky Robert; and Thiriot, Alain Roger. Hygrometer. 3,808,888, 5-7-74, Cl. 73-336.500.

Chatard, Michel; Grolet, Pierre; Reynard, Remi; and Thiery, Jean, to Institut Francais du Petrole des Carburants et Lubrifiants. Apparatus for storing a flexible elongated member, such as a flexible drill column. 3,804,111, 4-16-74, Cl. 137-355.160.

Chateau, Georges: *See—*
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Chatillon, John, & Sons, Inc.: *See—*
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Chatillon, Viry: *See—*
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Chatswarth Data Corporation, mesne: *See—*
Azure, Leo L., Jr., 3,805,027.

Chattaway, Keith; Gillings, Richard William; and Austin, Philip, to Imperial Chemical Industries, Limited. Measuring apparatus. 3,833,028, 9-3-74, Cl. 139-122.000.

Chattem Chemicals; division of Chattem Drug & Chemical Company: *See—*
Beekman, Stewart M., 3,816,613.

Chatterjea, Probir K.: *See—*
Ruhl, Charles A. H.; Meyer, Edward; and Chatterjea, Probir K., 3,782,489.
Ruhl, Charles A. H.; Meyer, Edward; and Chatterjea, Probir K., 3,804,122.

Chatterji, Aron K. Electrostatic imaging system and apparatus therefor. 3,792,964, 2-19-74, Cl. 432-59.000.

Chatterji, Arun K.; Marianne, Custazzo; Demosthemes, Kiriazides K.; Russell, John J., Jr.; and Serio, John P., said Russell assor. to Xerox Corporation. Imaging system. 3,819,367, 6-25-74, Cl. 96-1.0sd.

Chatterji, Jiten: *See—*
Dill, Walter R.; Chatterji, Jiten; and Knox, John A., 3,797,575.

Chatterji, Jiten; and Ostroot, Gabriel W., to Halliburton Company. Well cementing method using thixotropic. 3,804,174, 4-16-74, Cl. 166-293.000.

Chatters, Roy M.; Kimbrell, James E.; and Slater, Shelby D., to United States of America, Atomic Energy Commission. Method for determining sugar/starch contents in aqueous solutions. 3,826,617, 7-30-74, Cl. 23-230.00m.

Chatterton, Edward J., to United States of America, Air Force. Optical tracking system. 3,799,676, 3-26-74, Cl. 356-152.000.

Chattin, Robert A.: *See—*
Vogel, Ralph A.; Anderson, Donald L.; Chattin, Robert A.; and Mosak, Joel L., 3,851,682.

Chattopadhayay, Asoke; and Muller, Hans-Jurgen, to Deutsche Vergaser GmbH & Co. K.G. Fuel control for externally ignited internal combustion engines. 3,850,154, 11-26-74, Cl. 123-140.0cc.

Chaturvedi, Mahesh C. Co-Ni-Cr base austentic alloys precipitation strengthened by intermetallic compounds and carbides. 3,790,372, 2-5-74, Cl. 75-134.00f.

Chaudhari, Praveen, to International Business Machines Corporation. Creep resistant superplastic alloys. 3,813,241, 5-28-74, Cl. 75-178.00a.

Chaudhari, Praveen; and Zarowin, Charles B., to International Business Machines Corporation. Three dimensional memory. 3,820,087, 6-25-74, Cl. 340-173.0lm.

Chaudhuri, Kiranendu: *See—*
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Chaudhuri, Kiranendu; and Bachofner, Peter, to Swiss Aluminium Ltd. Method of operating a cell for the recovery of aluminum by electrolysis of aluminum oxide in a fluoride melt. 3,829,365, 8-13-74, Cl. 204-67.000.

Chaudoir, Charles J.; Cousins, True E.; and Nagy, Kornel, 15% to Berryhill, Bill B. and Forres, Carlos A. Dispensing apparatus. 3,806,262, 4-23-74, Cl. 401-56.000.

Chaudron, Georges: *See—*
Montuelle, Jean; Chaudron, Georges; and Piaard-Legry, Gerard, 3,849,079.

Chauffoureaux, Jean, to Solvay & Cie. Protecting plastics from photodegradation. 3,783,011, 1-1-74, Cl. 117-106.00r.

Chaulet, Roger Louis; Guichard, Claude Pierre Albert Louis; Menissier, Pierre Lucien; and Soret, Jean-Claude Georges, to Societe Anonyme: Societe Industrielle de Combustible Nucleaire. Method for continuous vacuum casting of metals or other materials. 3,80,848, 4-2-74, Cl. 164-64.000.

Chauncey, Edward W. Trailer hitch with auxiliary safety connections. 3,787,069, 1-22-74, Cl. 280-486.000.

Chaurand, Patrice; Magnan, Regis; and Coquery, Jean-Paul, to Progil and Ciments Lafarge. Process of manufacturing anhydrous calcium sulfate form II and products obtained by this process. 3,789,111, 1-29-74, Cl. 423-555.000.

Chausse, Burnette P.: *See—*
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Chaussy, Leon Michel: *See—*
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Chaussy, Leon-Michel: *See—*
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Chauvet, Edmond; and Prevote, Andre, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Sheet positioning apparatus. 3,788,634, 1-29-74, Cl. 269-154.000.

Chauvet, Pierre: *See—*
Berton, Yves; Chauvet, Pierre; Clapit, Stephane; and Fernandez, Nicolas, 3,853,980.

Chauvette, Robert R., to Lilly, Eli, and Company. Use of mixed anhydride protecting group in cleaving acyl groups from cephalosporins and penicillins. 3,839,328, 10-1-74, Cl. 260-243.00c.

Chauvin, Bernard: *See—*
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Chavanoz S.A.: *See—*
Gabalda, Carlos Matas, 3,802,616.
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Chavenel, Hubert: *See—*
Ferat, Alain; Masotti, Robert; and Chavenel, Hubert, 3,835,007.

Chaverebiere De Sal, Alain Marie Alfred Jean; and Thouvenin, Alain Jean, to Societe ECA. System for displaying a point on a transparent or translucent screen. 3,838,917, 10-1-74, Cl. 353-122.000.

Chavis, Clarence S.: *See—*
Evans, John A.; Chavis, Clarence S.; and Ward, Rodney R., 3,829,851.

Chay, Dong M., to Du Pont de Nemours, E. I., and Company. Low-fuming galvanizing fluxes. 3,816,188, 6-11-74, Cl. 148-26.000.

Chay, Dong Myung, to Du Pont de Nemours, E. I., and Company. Braunite-glass catalytic particles and method of preparation. 3,791,995, 2-12-74, Cl. 252-471.000.

Chayka, George A.; Persson, Eric J.; and Ziobro, Norbert M., to Western Electric Company, Incorporated. Test probe for semiconductor devices. 3,810,016, 5-7-74, Cl. 324-158.00p.

Cheal, James, to Omni Spectra, Inc. Intrusion detection system. 3,806,941, 4-23-74, Cl. 340-258.00a.

Cheateau Wine Cellar Company: *See—*
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Chebond Corporation: *See—*
Christensen, Ross Leon; and Robitschek, Paul, 3,826,770.

Checchett, Maurizio. Device for electronically detecting pressure changes in a fluid. 3,835,316, 9-10-74, Cl. 250-231.00p.

Checheljuk, Yakov Zinovievich: *See—*
Pshenichny, Gennady Ivanovich; Checheljuk, Yakov Zinovievich; and Gryazev, Ivan Ivanovich, 3,812,567.

Chechik, Ljudmila Efimovna: *See—*
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Vasilievna; Vasiliev, Nikolai Grigorievich; and Soloshenko, Nina Ivanovna, 3,829,028.
Check, Frank T., Jr.: *See—*
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Check, John M.; and Brettrager, Donald R., to Raycon Corporation. Fluid supported rectangular slide unit. 3,788,198, 1-29-74, Cl. 92-86.000.
Check, John M.; and Rupert, Gary F., to Raycon Corporation. Workpiece positioning and holding apparatus. 3,826,484, 7-30-74, Cl. 269-299.000.
Check, John M.; and Rupert, Gary F., to Raycon Corporation. Electrode supporting cartridge assembly for electrical discharge machining apparatus. 3,855,442, 12-17-74, Cl. 219-69.00e.
Check, Joseph M.; and Lewis, Ronald E., to Toro Company, The. Vehicle and sand-trap rake. 3,823,781, 7-16-74, Cl. 172-192.000.
Check Mate Systems, Inc.: *See—*
Keifer, Terry A.; and Williams, Allan L., 3,806,910.
Check, Mathias M., 25% to Miller, Alfred E. Automatic wire clamp feeding device for bottles. 3,794,212, 2-26-74, Cl. 221-212.000.
Chedister, Conkling; and Beckman, Frank H., to Kulart Victor Corporation. Self-threading motion picture projector. 3,848,981, 11-19-74, Cl. 352-157.000.
Cheek, Edward E.; and Sabin, Raymond H., to McDowell-Wellman Engineering Company. Railroad car spotting and wheel locking apparatus. 3,793,964, 2-26-74, Cl. 104-162.000.
Cheek, Michael E.: *See—*
Caldwell, Samuel I.; Cheek, Michael E.; and Cline, Lawrence R., 3,785,458.
Cheek, Michael E.; and Muller, Thomas P., to Caterpillar Tractor Company. Drive disconnect device. 3,807,249, 4-30-74, Cl. 74-405.000.
Cheek, Michael L., to Caterpillar Tractor Company. Power transfer device with removably mounted cover. 3,802,289, 4-9-74, Cl. 74-411.500.
Cheeseman, William C., to FMC Corporation. Egg accumulation conveyor. 3,792,768, 2-19-74, Cl. 198-30.000.
Cheetham, Ian; Dunkerley, Kenneth; Greenhalgh, Colin William; and Phillips, Duncan Adrian Sidney, to Imperial Chemical Industries Limited. Anthraquinone compounds. 3,790,604, 2-5-74, Cl. 260-383.000.
Cheetham, Ian, to Imperial Chemical Industries Limited. Exhaust dying synthetic textile material from an aqueous halogenated hydrocarbon bath. 3,801,269, 4-2-74, Cl. 8-19.000.
Cheetham, John Laurence, to Imperial Chemical Industries, Limited. Conjugate filaments apparatus. 3,787,162, 1-22-74, Cl. 425-463.000.
Cheetham, John Norman; and Shah, Ratilal Lalji, to Yarsley Research Laboratories, Limited. Stripping of thin films. 3,850,462, 11-26-74, Cl. 242-65.000.
Cheetham, John Norman, to Yarsley Research Laboratories Limited. Cleaning mowing webs by passage between opposed flexible polyurethane foam wipers. 3,852,109, 12-3-74, Cl. 134-9.000.
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Chekotilo, Leonty Vasilievich: *See—*
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Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivanovich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tsikulenko, Anatoly Konstantinovich; Ivon, Vasily Vladimirovich; and Pavlov, Leonid Viktorovich, 3,804,150.
Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivandvich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tsikulenko, Anatoly Konstantinovich; Ivon, Vasily Vladimirovich; and Pavlov, Leonid Viktorovich, 3,805,876.
Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Chekotilo, Leonty Vasilievich; Popov, Valery Georgievich; Dubinsky, Rudolf Solomonovich; Artamonov, Viktor Leonidovich; Pavlov, Leonid Viktorovich; Lebedev, Viktor Nikolaevich; Tetjuev, Valdimir Alexandovich; Petukhov, Gleb Konstantinovich; Grigoriev, Leonid Fomich; Starodvorsky, Vladimir Semenovich; Tjurikov, Pavel Ivanovich; Kosmatenko, Ivan Egorovich; and Borovskikh, Viktor Georgievich, 3,807,487.
Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivandvich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tsikulenko, Anatoly Konstantinovich; Ivon, Vasily Vladimirovich; and Pavlov, Leonid Viktorovich, 3,818,973.
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Tetjuev, Vladimir Alexandrovich; Medovar, Boris Izrailevich; Chekotilo, Leonty Vasilievich; Popov, Valery Georgievich; Tjurikov, Pavel Ivanovich; and Kosmatenko, Ivan Egorovich, 3,848,657.
Cheladze, George Andre; and Arlind, Jack. Lid construction with non-leak vent. 3,805,991, 4-23-74, Cl. 220-44.00r.
Cheldelin, Lyle O.; and Myhre, Curth, to Skagit Corporation. Cable and carriage drive for grapple yarder. 3,785,504, 1-15-74, Cl. 212-84.000.
Chelminski, Stephen V., to Bolt Associates, Inc. Automatically self-regulating variable-stroke variable-rate and quiet-operating pile drive apparatus. 3,788,402, 1-29-74, Cl. 173-91.000.
Chelminski, Stephen V., to Bolt Associates, Inc. System for increasing the load-bearing capacity of soil. 3,793,844, 2-26-74, Cl. 61-63.000.
Chelminski, Stephen V., to Bolt Associates, Inc. Displaceable diaphragm structures for use in seismic impulse transmission. 3,800,907, 4-2-74, Cl. 181-.5nc.
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Chelminski, Stephen V., to Bolt Associates, Inc. Process and system for increasing load-bearing capacity of soil. 3,808,823, 5-7-74, Cl. 61-63.000.
Chelminski, Stephen V., to Bolt Associates, Inc. Airgun repeater powered pile driver. 3,817,335, 6-18-74, Cl. 173-127.000.
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Chemarin, Maurice Roger Francois. Manufacturing process for dolls, puppets, plush animals, consisting in the use of two fabrics adherent on to the other. 3,789,547, 2-5-74, Cl. 46-158.000.
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Chen, Ho-Sou; and Polk, Donald E., to Allied Chemical Corporation. Novel amorphous metals and amorphous metal articles. 3,856,513, 12-24-74, Cl. 75-122.000.
Chen, Hsin S.; and Jones, Charles, to Curtiss-Wright Corporation. Self-starter system for single rotor expansion engine. 3,847,514, 11-12-74, Cl. 418-15.000.
Chen, Hsin Sheng. Method and apparatus for operating existing heat engines in a non-air environment. 3,807,313, 4-30-74, Cl. 123-119.00a.
Chen, James H., to Benilite Corporation of America. Beneficiation of titaniferous ores. 3,825,419, 7-23-74, Cl. 75-101.000.
Chen, Karl K.; and Patel, Hiralal V., to Weatherhead Company, The. Swing-open crimper. 3,851,514, 12-3-74, Cl. 72-402.000.
Chen, Kun-Chao C., to Burroughs Corporation. Method and apparatus for transferring data from a volatile data store upon the occurrence of a power failure in a computer. 3,801,963, 4-2-74, Cl. 340-172.500.
Chen, Mao-Chieh: *See—*
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Chen, Nai Y.; and Garwood, William E., to Mobil Oil Corporation. Shape-selective conversion in the liquid phase. 3,852,189, 12-3-74, Cl. 208-120.000.
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Chen, Nai Yuen; and Lucki, Stanley J., to Mobil Oil Corporation. Disproportionation of paraffin hydrocarbons. 3,812,199, 5-21-74, Cl. 260-676.00r.
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Chen, Philip L., to Xerox Corporation. Image registration correction for non-impact printers. 3,830,646, 8-20-74, Cl. 96-1.00r.
Chen, Pictiaw, to University of California, The Regents of the. Orange picker. 3,827,221, 8-6-74, Cl. 56-328.00r.
Chen, Richard J., to Polaroid Corporation. Photographic film unit. 3,816,128, 6-11-74, Cl. 96-76.00c.
Chen, Richard J.; and McCole, Thomas P., to Polaroid Corporation. Photographic products including rupturable containers. 3,833,381, 9-3-74, Cl. 96-76.00c.
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Chen, Tien C.; and Ho, Irving T., to International Business Machines Corporation. Modulo 9 residue generating and checking circuit. 3,816,728, 6-11-74, Cl. 235-153.0bd.
Chen, Tien Chi; and Ho, Irving Tze, to International Business Machines Corporation. Binary coded decimal conversion apparatus. 3,842,414, 10-15-74, Cl. 340-347.00d.
Chen, Tsuan-Tong. Pipe restraining device. 3,848,639, 11-19-74, Cl. 138-103.000.
Chen, Tung Chang. Electrical terminal box with removable terminal plates. 3,851,226, 11-26-74, Cl. 317-120.000.
Chen, Wai Ming: *See—*
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Chen, You Min, to Ofmart Corporation, The. Gauge for determining the percentage by weight of moisture contained in a bulk material transported on a moving conveyor. 3,794,843, 2-26-74, Cl. 250-359.000.
Chen, Yu-Ssu; and Geusic, Joseph Edward 3 Nelson, Terence John, to Bell Telephone Laboratories, Incorporated. Single wall domain nucleater. 3,789,375, 1-29-74, Cl. 340-174.0tf.
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Chenai, Jean-Claude; Schaller, Karl; Skok, Jean; and Venobre, Henri, to Commissariat a l'Energie Atomique. Nuclear fuel assembly comprising a sleeve of variable thickness. 3,795,579, 3-5-74, Cl. 176-78.000.
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Chenel, Albert, Jr. Glaziers tool. 3,799,225, 3-26-74, Cl. 145-46.000.
Cheney, Glen Trenton, to Bell Telephone Laboratories, Incorporated. Circuits including combined field effect and bipolar transistors. 3,798,466, 3-19-74, Cl. 307-205.000.
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Cheney, Stanley O. Trail grooming device. 3,829,991, 8-20-74, Cl. 37-48.000.
Cheng, Albert Shu Lok, to Chiap-Hua Comalco Limited. Sliding window. 3,841,024, 10-15-74, Cl. 49-130.000.
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Cheng, Paul P. L., to Shing, Fu, Mfg. & Lumber Co., Ltd. Jointless construction method of the wooden products. 3,829,337, 8-13-74, Cl. 156-63.000.
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Cherba, Samuel. Container with safety cap. 3,822,027, 7-2-74, Cl. 215-9.000.
Cherdron, Egon; Haerter, Manfred; Fassle, Fritz; Forster, Hans-Joachim; and Potencsik, Istvan, to Gebr. Giulini Gesellschaft mit beschrankter Haftung. Method of producing finely dispersed alpha calcium sulfate hemihydrate. 3,797,758, 3-19-74, Cl. 241-29.00.
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Kozhevnikov, Sergei Nikolaevich; Cherevik, Jury Ivanovich; Tkachenko, Arkady Semenovich; Klimkovsky, Bronislav Mecheslavovich; Toloka, Valentin Ivanovich; Malkin, Arkady Semenovich; and Bykov, Yakov Maximovich, 3,810,378.
Cherian, Gabriel B., to Sperry Rand Corporation. Toner replenisher with manual adjustment of dispensing rate. 3,834,592, 9-10-74, Cl. 222-277.000.
Cherico, John R. Wheel blocking alarm and indicating system. 3,824,536, 7-16-74, Cl. 340-52.00r.
Cherio, Vittoria; and Mignone, Giuseppe. Device for stuffing foodstuff into tubular nettings. 3,798,872, 3-26-74, Cl. 53-197.000.
Cherio, Vittoria; and Mignone, Giuseppe. Semi-automatic device for stuffing foodstuff into tubular nettings. 3,805,480, 4-23-74, Cl. 53-64.000.
Cheris, Maynard H.: *See—*
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Cherkasov, Jury Nikolaevich: *See—*
Lepp, Vladimir Romanovich; Sibgatulin, Kharis Malikovich; and Cherkasov, Jury Nikolaevich, 3,845,380.
Chermin, Hubertus Mathias Jozef, to U.S. Philips Corporation. Glow discharge tube ignition circuit for electric discharge tube. 3,857,060, 12-24-74, Cl. 315-99.000.
Chernakov, Gennady Anatolievich: *See—*
Olshansky, Nikolai Alexandrovich; Smelyansky, Matvei Yakovlevich; Lopatko, Anatoly Petrovich; Tkachev, Leonid Grigorievich; Kozhaev, Arkady Filippovich; Sapozhnikov, Alexandr Ivanovich; and Chernakov, Gennady Anatolievich, 3,829,651.
Cherne Industrial, Inc.: *See—*
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Larson, Richard E., 3,834,422.
Chernek, Joseph D.: *See—*
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Borisenko, Gleb Pavlovich; Chernobrivenko, Jury Sergeevich; Kutsov, Jury Georgievich; Gorbanev, Arkady Alexeevich; Kukushkin, Oleg Nikolaevich; Krivobokov, Vladimir Nikolaevich; Pobegailo, Grigory Gavrilovich; and Nashivanko, Vitaly Dmitrievich, 3,828,600.
Chernoglaskin, Nikolai Sergeevich: *See—*
Zdarov, Leonid Sergeevich; Chernoglaskin, Nikolai Sergeevich; Igonin, Nikolai Ivanovich; Zizo, Vladimir Yakovlevich; Karev, Viktor Dmitrievich; Karmanovsky, Stanislav Nikandrovich; Timofeev, Nikolai Vasilievich; and Petrov, Vladimir Dmitrievich, 3,785,869.
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Chernykh, Viktor Vasilievich: *See—*
Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Andreev, Vladimir Prokhorovich; Boiko, Georgy Alexandrovich; Emelyanenko, July Georgievich; Sobolev, Jury Vasilievich; Shavrin, Adolf Ivanovich; Dolbenko, Evgeny Tikhonovich; Chernykh, Viktor Vasilievic; and Dykan, Vitaly Grigorievich, 3,823,242.
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Chernyshev, Valentin Vasilievich: *See—*
Larjukhin, Grigory Artemovich; Chernyshev, Valentin Vasilievich; Nikitin, Vladislav Iosifovich; Serikov, Jury Mitrofanovich; and Kosinov, Vyacheslav Georgievich, 3,828,560.
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Cheron, Jacques, to Institut Francais du Petrole des Carburants et Lubrifiants. Fuel cell with air purifier. 3,855,001, 12-17-74, Cl. 136-86.00c.
Cheron, Jean Paul Robert, to Saint-Gobain. Apparatus for tempering sheets of glass, in particular, sheets of curved form. 3,799,752, 3-26-74, Cl. 65-351.000.
Cherry, Albert J.; Neiman, Robert R.; Shattuck, Meredith D.; and Weiche, William J., to International Business Machines Corporation. Electrophotographic plate. 3,791,826, 2-12-74, Cl. 96-1.500.
Cherry, Charles C.; and Haymes, William G., to Rockwell International Corporation. Baffled solid propellant motor. 3,795,106, 3-5-74, Cl. 60-255.000.
Cherry, Charles C., to Rockwell International Corporation. Propellant liner for active cooling. 3,849,983, 11-26-74, Cl. 60-255.000.
Cherry Electrical Products Corporation: *See—*
Anderson, Fred N.; Bedocs, Michael F.; and Long, Eric L., 3,819,882.
Habecker, John W., 3,849,621.
Cherry, Joe H.: *See—*
Amir, Jacob; and Cherry, Joe H., 3,837,837.
Cherry, Joseph; Albert, Ernest I.; and Moat, Stanley F., to Great American Foods, Inc. Containers and plastic snap-closures therefor for use with automatic capping machines. 3,805,994, 4-23-74, Cl. 220-60.00r.
Cherry, Kenneth Floyd. Navigational devices. 3,824,693, 7-23-74, Cl. 33-76.00r.
Cherry, Myron E. Vibration free piston engine. 3,791,227, 2-12-74, Cl. 74-52.000.
Cherry, Peter, to Cherwell Valley Silos Limited. Method for drying moisture from wet spent coffee grounds. 3,823,487, 7-16-74, Cl. 34-10.000.
Cherry, Robert: *See—*
Mueller, Fritz Kurt; Martin, Billy Otis; and Cherry, Robert, 3,832,669.
Cherry, Sidney J.; and Wayland, Paul O., to Westinghouse Electric Corporation. Vacuum interrupters enclosed in vacuum housings. 3,814,881, 6-4-74, Cl. 200-144.00b.
Cherry-Burrell Corporation: *See—*
Holstein, John H., 3,805,488.
Chertkoff, Abraham. Fetal extractor for use during birth. 3,848,606, 11-19-74, Cl. 128-352.000.
Chertok, Allan; and Gillette, Timothy C., to Concord Computing Corporation. Data communication system and apparatus. 3,821,705, 6-28-74, Cl. 340-152.00r.

Cherubim, Justin Lawrence, to Mechanical Technology Incorporated. Hydrodynamic foil bearings. 3,809,443, 5-7-74, Cl. 308-9.000.

Cherubim, Martin: *See—*
Wollner, Johannes; Cherubim, Martin; and Henn, Friedrich, 3,839,249.

Chervenak, Michael C.: *See—*
Wolk, Ronald H.; Chervenak, Michael C.; and Alpert, Seymour B., 3,788,973.
Wolk, Ronald H.; and Chervenak, Michael C., 3,842,122.
Wolk, Ronald H.; Chervenak, Michael C.; and Alpert, Seymour B., 3,844,933.
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Chervenak, Michael C., III: *See—*
Monroe, Paul S.; and Chervenak, Michael C., III, 3,853,507.

Cherwell Valley Silos Limited: *See—*
Cherry, Peter, 3,823,487.

Chesapeake and Ohio Railway Company, The: *See—*
Christian, Frank Gordon, Jr., 3,783,798.
James, William R.; and Hardy, Charles J., 3,843,185.
Schmidt, Joseph J., 3,812,325.

Chesapeake Instrument Corporation: *See—*
Doolittle, Richard D.; and Dorr, John A., 3,852,708.

Chesarek, Donald J.: *See—*
Brown, Caroll J.; Chesarek, Donald J.; Fisk, Dale E.; Ma, Joseph T.; Martin, Harold F.; and Reynolds, Zack D., 3,786,479.

Chesebrough-Pond's Inc.: *See—*
Tarangul, Emil V., 3,852,475.
Turnbull, Charles H., 3,811,671.

Chesemore, James R. Exercising apparatus releasably attachable in a doorway. 3,840,227, 10-8-74, Cl. 272-81.000.

Cheskis, Eugene M.; and Price, James D., to Motorola, Inc. Photoresist keys and depth indicator. 3,783,044, 1-1-74, Cl. 148-175.000.

Cheskis, Harvey P.: *See—*
Setzer, William C.; Cheskis, Harvey P.; and Winter, Joseph, 3,787,248.
Setzer, William C.; Cheskis, Harvey P.; and Winter, Joseph, 3,851,787.

Chesky, Sheldon R., to Kendall Company, The, mesne. Nested stack of sterile shielded containers. 3,797,652, 3-19-74, Cl. 206-229.000.

Chesky, Sheldon R.; Patience, Donald; and Hartigan, Edward G., to Kendall Company, The. Conformable nonwoven bandage. 3,837,338, 9-24-74, Cl. 128-156.000.

Chesla, Thomas E., to Philco-Ford Corporation. Method of and apparatus for supporting cathode heaters. 3,802,851, 4-9-74, Cl. 29-25.160.

Chesla, Thomas E., to Philco-Ford Corporation. Apparatus for supporting cathode heaters. 3,835,344, 9-10-74, Cl. 313-273.000.

Chesler, Edwin T.: *See—*
Deardorff, Donald L.; Chesler, Edwin T.; and Fath, Joseph, 3,855,315.

Chesley, Richard Carleton: *See—*
Martin, William Allen; and Chesley, Richard Carleton, 3,854,677.

Chesley, Ronald F.: *See—*
Goldfarb, Adolph E.; Everitt, Delmar K.; and Chesley, Ronald F., 3,829,094.

Chesluk, Ralph P.: *See—*
White, James A.; and Chesluk, Ralph P., 3,799,876.

Chesmejef, Stephen, to General Electric Company. Steam air preheater for a steam boiler system. 3,835,650, 9-17-74, Cl. 60-690.000.

Chesmer, Alec David; Ankrom, Albert M.; and Vernon, John T., to Rogers Corporation. Polymeric frictional drive wheel with reinforcing steel inserts. 3,821,905, 7-2-74, Cl. 74-216.000.

Chesnokov, Albert Ivanovich: *See—*
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Chesnot, Bernard Francois Gustave, to Les Condensateurs Sic-Safco. Electrolytes for low series-resistance, aluminum electrolytic capacitors. 3,835,055, 9-10-74, Cl. 252-62.200.

Chesnot, Nelly: *See—*
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Chesser, Billy G.: *See—*
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Chessin, Hyman; and Gempel, Robert Francis. Iridescent chromium plated article. 3,782,907, 1-1-74, Cl. 29-194.000.

Chessin, Hyman; and Best, Maurice Philip, to M & T Chemicals Inc. Novel chromium plating compositions. 3,804,728, 4-16-74, Cl. 204-51.000.

Chester, Arnold: *See—*
Marr, Harry Sidney; and Chester, Arnold, 3,847,312.

Chester Electronics Laboratories, Incorporated: *See—*
Durante, Anthony C.; and Macey, Frank G., 3,792,235.

Chester, Frank S.; Johnson, Claude O.; Kavanagh, Ira Keith; and van Horik, Leonard R., to McDonnell, Douglas, Corporation. Method of forming honeycomb. 3,788,117, 1-29-74, Cl. 72-296.000.

Chester, John E., to Weck, Edward, & Company, Inc. Tissue gripping surgical forceps. 3,815,607, 6-11-74, Cl. 128-354.000.

Chester, John E., to Weck, Edward, & Company, Inc. Tissue gripping surgical forceps. 3,815,609, 6-11-74, Cl. 128-354.000.

Chester, John E., to Weck, Edward, & Company, Inc. Surgical headlamp. 3,830,230, 8-20-74, Cl. 128-23.000.

Chesterman, Philip George: *See—*
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Chesterman, Philip Gordon: *See—*
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Chesters, Allan Knight, to Secretary of State for Defence. Combustion system deflector plate. 3,793,828, 2-26-74, Cl. 60-39.660.

Chestmir, Barta: *See—*
Dobrzhansky, Georgy Fedorovich; Chestmir, Barta; Belyaev, Leonid Mikhailovich; Silvestrova, Iraida Mikhailovna; and Pisarevsky, Jury Vladimirovich, 3,843,234.

Chestnutt, David, to United States of America, National Aeronautics and Space Administration. Variably positioned guide vanes for aerodynamic choking. 3,829,237, 8-13-74, Cl. 415-181.000.

Chetirko, John. Taper lock inserts for thumb and fingers in bowling balls. 3,804,412, 4-16-74, Cl. 273-63.00a.

Chetter, John, to United Kingdom Atomic Energy Authority. Nuclear reactor fuel element grid. 3,833,471, 9-3-74, Cl. 176-78.000.

Chevalez, Roger A.: *See—*
Genese, Joseph N.; Rapoza, Edward J.; Galanaugh, Charles F.; Kennard, Harry M.; Chevalez, Roger A.; and Smith, John A., 3,785,533.

Chevalier, Andre; Grolet, Pierre; and Reynard, Remi, to Institut Francais du Petrole, des Carburants et Lubrifiants. Couplings of reduced size and capable of transmitting high mechanical stresses between an armoured flexible member and a rigid element. 3,79,587, 3-26-74, Cl. 285-137.00r.

Chevalier, Gabriel: *See—*
Rouxel, Roland; and Chevalier, Gabriel, 3,790,764.

Chevalier, Gabriel; and Gatel, Gilbert, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). High security digital conversion and transmission scheme for a closed loop control system. 3,813,530, 5-28-74, Cl. 235-153.00a.

Chevalier, Jacques; and Moisan, Jacques. Titanium or titanium alloys having an anodized surface layer and method of forming. 3,840,442, 10-8-74, Cl. 204-35.00n.

Chevalier, Paul; Menard, Claude; and Dorval, Bertrand, to Prayfel Inc. Random number generator. 3,790,768, 2-5-74, Cl. 235-152.000.

Chevallereau, Roger: *See—*
Abbes, Claud; Bianchi, Santos; Chevallereau, Roger; Rogemont, Jean; Roques, Robert; Rouaud, Christian; and Royer, Henri, 3,820,799.

Chevallier, Pierre, to Etablissements Genoud & Cie, Societe Anonyme. Automatic cigarette lighter. 3,819,320, 6-25-74, Cl. 431-254.000.

Chevallier, Pierre, to Etablissements Genoud & Cie, Societe Anonyme. Piezo-electric cigarette lighter. 3,824,063, 7-16-74, Cl. 431-255.000.

Chevallier, Pierre, to Etablissements Genoud & Cie Societe Anonyme. Automatic cigarette lighter mechanism. 3,825,401, 7-23-74, Cl. 431-274.000.

Chevallier, Pierre, to Establissements Genoud & Cie, Societe Anonyme. Automatic cigarette lighter. 3,827,852, 8-6-74, Cl. 431-254.000.

Chevallier, Pierre, to Establissements Genoud & Cie, Societe Anonyme. Cigarette lighter with pivoting control member. 3,827,853, 8-6-74, Cl. 431-255.000.

Chevallier, Pierre, to Etablissements Genoud & Cie, Societe Anonyme. Cigarette lighter with baffle. 3,849,060, 11-19-74, Cl. 431-344.000.

Chevret, Remy, to Regie Nationale des Usines Renault and Automobiles Peugeot. Automatic play take-up bearing bushes. 3,829,184, 8-13-74, Cl. 308-237.000.

Chevrier, Archie H.: *See—*
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Chevriot, Roland F.; Le Maux, Gilles R.; and Gonon, Marcel P., to Centre Technique des Industries de la Fonderie Wendel-Sidelor and Industries Chimiques de Voreppe. Method for increasing the mechanical resistance of foundry moulds or cores made from a selfhardening liquid sand. 3,857,712, 12-31-74, Cl. 106-38.350.

Chevron Research Company: *See—*
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Adams Robert T.; Heath, William A.; and Wuopio, Richard A., 3,829,510.
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Chiang, John Shu-Chi, to FMC Corporation. Process of etching copper circuits with alkaline persulfate and compositions therefor. 3,837,945, 9-24-74, Cl. 156-8.000.

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Chiasson, William J.; and Russell, Ralph T., to Lilly, Eli, and Company. Method of removing fluoride from spent acid. 3,830,904, 8-20-74, Cl. 423-531.000.

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Chiba, Hiroyuki; Tawara, Yoshio; and Hirota, Eiichi, to Matsushita Electric Industrial Co., Ltd. Magnetic head core of large grain size and low porosity. 3,843,541, 10-22-74, Cl. 252-62.570.

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Chiba, Matsubei; Kito, Kiyoharu; Mizutani, Hiroshi; and Kachi, Masayasu, to Nihon Senshoku Kikai Kabushiki Kaisha. Method for treatment of a fabric. 3,802,840, 4-9-74, Cl. 8-158.000.

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Chibata, Ichiro; Tosa, Tetsuya; Sato, Tadashi; and Mori, Takao, to Tanabe Seiyaku Co., Ltd. Optical resolution of racemic amino acids. 3,816,254, 6-11-74, Cl. 195-29.000.

Chibata, Ichiro; Kosumi, Masahiko; Komatsubara, Saburo; and Sugiura, Masaki, to Tanabe Seiyaku Co., Ltd. Fermentative preparation of L-isoleucine. 3,841,968, 10-15-74, Cl. 195-29.000.

Chibata, Ichiro; Yamada, Shigeki; Wada, Mitsuru; Izuo, Nobuhiko; and Yamaguchi, Totaro, to Tanabe Seiyaku Co., Ltd. Cultivation of aerobic microorganisms. 3,850,753, 11-26-74, Cl. 195-109.000.

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Chician, Jay S.; and Eden, Dayton D., to Advanced Technology Center Inc. Apparatus and method for affecting the contrast of thermochromic displays. 3,831,165, 8-20-74, Cl. 340-324.00r.

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Chick, Orest Nicholas; and Means, Graham Neville, to Polysar Limited-Polysar Limitee. Paper coated with compositions of polymeric materials. 3,849,183, 11-19-74, Cl. 117-155.0ua.

Chickli-Pariente, Khammous Robert; Langlet, Andre; and Leclercq, Michel, to Compagnie Honeywell Bull (Societe Anonyme). Tantalum resistors with gold contacts. 3,849,757, 11-19-74, Cl. 338-320.000.

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Chien, Hwei-Chiu, to Kraftco Corporation. Treatment of soybeans with yeast. 3,810,997, 5-14-74, Cl. 426-205.000.

Chien, Jack Hui-Ning; and Oswald, Richard Karl, to International Business Machines Corporation. Automatic head width correction. 3,818,502, 6-18-74, Cl. 360-77.000.

Chierici, Osvaldo F., to Holland Company. Air hose support for cushion cars. 3,784,030, 1-8-74, Cl. 213-76.000.

Chierici, Osvaldo F., to Holland Company. Resilient hopper car outlet gate seal. 3,807,318, 4-30-74, Cl. 105-282.00a.

Chierici, Osvaldo F.; and Winters, Frederick, to Holland Company. Coupler positioning device for sliding sill cushion underframe cars. 3,809,251, 5-7-74, Cl. 213-15.000.

Chierici, Osvaldo F., to Holland Company. Uncoupling device for railroad cars. 3,814,267, 6-4-74, Cl. 213-166.000.

Chierici, Osvaldo F., to Holland Company. Uncoupling lever for railroad cars with standard draft gear cushioning. 3,834,554, 9-10-74, Cl. 213-166.000.

Chierico, Massimo A., to A-1 Sewing Center. Opening means for button-holding accessory to sewing machine. 3,854,431, 12-17-74, Cl. 112-114.000.

Chiesa, Luigi, to Morenar S.A. Automatic apparatus for taking and developing photographs. 3,818,497, 6-18-74, Cl. 354-89.000.

Chiesa, Peter Jordan, Jr., to National Foam System, Inc. Film-forming fire fighting composition. 3,849,315, 11-19-74, Cl. 252-3.000.

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Child, Ralph Grassing: *See—*
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Childs, William V., to Phillips Petroleum Company. Apparatus and method for separating tetraalkylammonium salt. 3,855,269, 12-17-74, Cl. 260-465.900.

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Chillier, Maurice. Apparatus of mecaontherapy. 3,807,728, 4-30-74, Cl. 272-58.000.

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Chilton, John Michael; and Jaffe, Donald, to Bell Telephone Laboratories, Incorporated. Ta-Al alloy attenuator for traveling wave tubes and method of making same. 3,819,976, 6-25-74, Cl. 315-3.500.

Chilton, John Reginald, to Imperial Chemical Industries Limited. Reduction of acidity in the production of esters. 3,818,071, 6-18-74, Cl. 260-475.00a.

Chimenti, Robert J. L.; and Rabinowitz, Paul. Super radiant laser illuminator and image amplifier. 3,786,366, 1-15-74, Cl. 331-94.500.

Chimera R. & D. Inc.: *See—*
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Chimura, Kazuya; Ito, Kazuo; Takashima, Shunichi; and Shimoshinbara, Ihiro, to Mitsubishi Rayon Company, Limited. Polyester polycondensation catalyzed by antimony and germanium compounds and phosphoric esters. 3,795,639, 3-5-74, Cl. 260-75.00r.

Chimura, Kazuya; Takashima, Shunichi; and Kawashima, Masao, to Mitsubishi Rayon Company Limited. Polyester condensation catalyzed by organotin, trivalent antimony and pentavalent phosphorus compounds. 3,796,691, 3-12-74, Cl. 260-75.00r.

Chimura, Kazuya; Ito, Kazuo; Takashima, Shunichi; and Shimoshinbara, Yoshihiro, to Mitsubishi Rayon Company, Limited. Process for preparing linear polyester. 3,822,239, 7-2-74, Cl. 260-75.00r.

Chimura, Kazuya; Ito, Kazuo; Takashima, Shunichi; and Kawashima, Masao, to Mitsubishi Rayon Company Limited. Process for preparing polyesters in the presence of an improved polycondensation catalyst. 3,842,043, 10-15-74, Cl. 260-75.00r.

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Chin, Jimmy K. Plated coins. 3,834,879, 9-10-74, Cl. 29-191.000.

Chin, Shi-Chi, to Johnson Enterprise Co., Ltd. Apparatus for fire escaping from high building. 3,850,263, 11-26-74, Cl. 182-73.000.

Chin, Wesley Seu Cheng. Flexible plastic greenery simulating matting assembly. 3,801,414, 4-2-74, Cl. 161-21.000.

Chin, William B.; and Jen, Teh-Sen, to International Business Machines Corporation. Field effect transistor push-pull driver. 3,806,738, 4-23-74, Cl. 307-228.000.

Chin, William Benedict, to International Business Machines Corporation. Field-effect transistor logic circuit. 3,787,736, 1-22-74, Cl. 307-205.000.

Chinai, Suresh Natvarlal; and Brigmainis, Edmund, to American Cyanamid Company. Naturally crimped textile fibers. 3,812,004, 5-21-74, Cl. 161-173.000.

Ching, Larry K. W., Jr.; and Shafter, Carl E., to United States of America, Army. Grid for strain measurements. 3,789,657, 2-5-74, Cl. 73-88.00r.

Ching, Pai Ping. Ambient light warning device. 3,828,311, 8-6-74, Cl. 340-84.000.

Chinn, Leland J.: *See—*
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Chinn, Leland J. 6α,7α-Dihydro-3'H-cyclopropa[6,7] pregna-6-diene-3,15,20-trione and congeners. 3,818,053, 6-18-74, Cl. 260-397.300.

Chinn, Leland J., to Searle, G. D., & Co. 4-Benzylidene-5-oxo-2-phenyl-1-cyclopenteneacetic acid and analogs thereof. 3,821,283, 6-28-74, Cl. 260-473.00r.

Chinn, Leland J., to Searle, G. D., & Co. 7-Halomethyl-17-hydroxy-3-oxo-17α-pregn-4-ene-21-carboxylic acid γ-lactones. 3,845,041, 10-29-74, Cl. 260-239.570.

Chinn, Von Zill. Hard boiled egg slicing apparatus. 3,800,649, 4-2-74, Cl. 83-651.100.

Chino, Yasuyoshi: *See—*
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Chinoin Pharmaceutical and Chemical Works Ltd.: *See—*
Agata, Isao; Noguchi, Shunsaku; and Tanaka, Kunihiro, 3,853,871.

Chinon Industries Incorporated: *See—*
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Chinoporos, Efthimios; and Huyffer, Paul S., to Polaroid Corporation. 3-Acetoxy-3-(3'-carbomethoxy-4'-acetoxy-1'-naphthyl) naphthalide-1,8 and a method for its preparation. 3,822,294, 7-2-74, Cl. 260-343.20r.

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Chiola, Vincent; Smith, James S.; and Vanderpool, Clarence D., to GTE Sylvania Incorporated. Process for producing lamps. 3,785,019, 1-15-74, Cl. 29-25.130.

Chiola, Vincent; Smith, James S.; and Vanderpool, Clarence D. Refractory metal phosphate and phosphide coatings for refractory metal leads and process for producing metal phosphides. 3,798,058, 3-19-74, Cl. 117-201.000.

Chiola, Vincent; and Ormsby, Robert W., to GTE Sylvania Incorporated. Flourescent lamp with particular phosphor coating. 3,798,479, 3-19-74, Cl. 313-109.000.

Chiolle, Antonio; Credali, Lino; Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, to Montecatini Edison S.p.A. Copolymers of alkenylsulfonates and cation permoselective membranes based thereon. 3,813,354, 5-28-74, Cl. 260-2.20r.

Chiolle, Antonio; Credali, Lino; Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, to Montecatini Edison S.p.A. and Consiglio Nazionale delle Ricerche. Vinyl heterocyclic copolymers, semipermeable membranes from said copolymers and method for preparin said membranes. 3,840,634, 10-8-74, Cl. 264-216.000.

Chipchase, Frank D., to International Multifoods Corporation. Tray turnover device. 3,857,477, 12-31-74, Cl. 198-155.000.

Chipman, Julian C.C. Combination carry case and seat. 3,825,298, 7-23-74, Cl. 297-129.000.

Chirana Zavody Zdravotnickej technicky Odborovy podnik: *See—*
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Chiras, Stanley J.: *See—*
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Chirco, Peter R., to Huck Manufacturing Company. Two jaw tool. 3,791,190, 2-12-74, Cl. 72-412.000.

Chirco, Peter R.; and Van Hecke, George J., to Huck Manufacturing Company. Double action tool construction. 3,792,645, 2-19-74, Cl. 91-412.000.

Chirgwin, Keith M., to Garrett Corporation, The. Electric vehicle propulsion system. 3,851,232, 11-26-74, Cl. 318-150.000.

Chirnomas, Scheina E. M. Waist mounted sounding target and tethered ball. 3,782,727, 1-1-74, Cl. 273-97.00r.

Chiron, Bernard; Rannou, Claude; and Bernard, Nicole, to Societe Lignes Telegraphiques et Telephoniques. Wideband non reciprocal integrated circuits utilizing surface wave propagation. 3,845,413, 10-29-74, Cl. 333-1.100.

Chiroui, Nicolae: *See—*
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Chisholm, Andrew Alexander, to Platt International Limited. Textile spinning machines. 3,799,630, 3-26-74, Cl. 308-9.000.

Chisholm, Andrew Alexander; and Copple, Christopher John, to Platt International Limited. Spinning apparatus. 3,845,612, 11-5-74, Cl. 57-56.000.

Chisholm, Donald. Motorized wheelchair. 3,807,520, 4-30-74, Cl. 180-6.500.

Chisholm, Douglas S.: *See—*
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Chisholm, Douglas S., to Dow Chemical Company, The. Apparatus for heating capsule forming pins. 3,842,242, 10-15-74, Cl. 219-385.000.

Chisholm, Douglas S., to Dow Chemical Company, The. Method for the preparation of multilayer optical filters. 3,847,585, 11-12 74, Cl. 65-99.00a.

Chisholm, James Edward; and Buonaura, Anthony, to Formica Corporation. Integrally molded header and curtain rail. 3,797,048, 3-19-74, Cl. 4-146.000.

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Chisholm, James P.: *See—*
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Chisholm, John P. Integrated collision avoidance, DME, telemetry, and synchronization system. 3,801,979, 4-2-74, Cl. 343-6.51c.

Chisholm, John P.; Lennon, William T., Jr.; Doane, James R.; and Maslow, Frank Z., to Sierra Research Corporation. Aircraft locating system using abile tacan/vortac/dme. 3,821,523, 6-28-74, Cl. 235-150.270.

Chisholm-Ryder Company, Inc.: *See—*
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Chistov, Vladimir Semenovich; and Novak, Samuil Yakovlevich. Apparatus for cutting holes in walls of pressure vessels. 3,804,545, 4-16-74, Cl. 408-101.000.

Chisum, Finis Lavell. Apparatus for transporting one vehicle by another. 3,841,509, 10-15-74, Cl. 214-506.000.

Chitayat, Anwar. Method and apparatus for photographing by artificial illumination. 3,794,422, 2-26-74, Cl. 355-67.000.

Chiti, Carlo. Fire-preventing fuel tank for motor vehicles and/or boats. 3,804,292, 4-16-74, Cl. 220-88.00b.

Chitis, Wolf. Method and apparatus for consolidating soils and improving the base bearing for foundation structures. 3,795,113, 3-5-74, Cl. 61-50.000.

Chittenden, Richard Marion; Whitton, Aldean William; Macalalad, Fidel Vallaluna; Massman, Richard; and Wilson, Earl David, to Abbott Laboratories. Combined air vent, filter and adapter for urinary drainage assemblies. 3,820,546, 6-28-74, Cl. 128-349.000.

Chiu, Thomas T.; and Delano, Wendell N., to Dow Chemical Company, The. Poly(vinylbenzyl trialkyl ammonium halide) salt compositions. 3,839,257, 10-1-74, Cl. 260-29.6hn.

Chiu, Ying C., to Shell Oil Company. Digested alkaline tall oil pitch soap composition. 3,823,774, 7-16-74, Cl. 166-252.000.

Chiulli, Angelo J.; and Wegman, Edwin H., to Advance Biofactures Corporation. Process of producing collagenase. 3,821,364, 6-28-74, Cl. 424-94.000.

Chiusoli, Gian Paolo: *See—*
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Chivari, Ilie, to Hackforth & Co., Firma. Remotely controllable change speed gear. 3,782,214, 1-1-74, Cl. 74-331.000.

Chivers, Malcolm; Dawson, William Grant; Masterman, Paul Henry; and Weston, Martin Andrew, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Antenna tracking systems. 3,790941, 2-5-74, Cl. 343-100.0pe.

Chivian, Jay S.; Claytor, Richard N.; and Eden, Dayton D. Binary logic apparatus. 3,789,421, 1-29-74, Cl. 346-1.000.

Chivinsky, Joseph A. Method of producing a composite material. 3,795,971, 3-12-74, Cl. 29-487.000.

Chivinsky, Joseph A., to Allegheny Ludlum Industries, Inc. Titanium composite. 3,854,891, 12-17-74, Cl. 29-196.000.

Chiyoda Chemical Engineering & Construction Co., Ltd.: *See—*
Noguchi, Masaaki; Yanagioka, Hiroshi; Kanai, Toshio; Nishiguchi, Kazuo; Hashimoto, Hideo; Abe, Katuhiro; Masuko, Tomio; Mashino, Zenichi; and Kogawa, Yosio, 3,836,630.
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Chizhov, Leonid Vladimirovich. Sample introduction system for gas chromatograph. 3,848,469, 11-19-74, Cl. 73-422.0gc.

Chizoda Chemical Engineering & Construction Co.: *See—*
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Chlortrol, Inc.: *See—*
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Chlu, Shiu-Tang, to Quebec Iron & Titanium Corporation. Titanium carbide preparation. 3,786,133, 1-15-74, Cl. 423-440.000.

Chlumecky, Nicholas, to Commercial Shearing & Stamping Company. Tunnel liners. 3,818,710, 6-25-74, Cl. 61-45.00r.

Chlupsa, John Rudolph: *See—*
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Chlystun, Walter K. Container with collapsible pouring spout and self opening vent hole. 3,856,187, 12-24-74, Cl. 222-529.000.

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Chmela, John F.: *See—*
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Chmela, John F. Mesh target and dart capturable therein. 3,784,199, 1-8-74, Cl. 273-95.00r.

Chmielewska, Danuta: *See—*
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Chmura, William J.; and Catlin, Kenneth A., to Textron, Inc. Antifriction bearing. 3,782,794, 1-1-74, Cl. 308-193.000.

Cho, Alfred Yi, to Bell Telephone Laboratories, Incorporated. Optical devices utilizing single crystal G_mP or G_mA_s films epitaxially grown on C_aF_2 substrates and method of fabricating same. 3,830,654, 8-20-74, Cl. 117-201.000.

Cho, Antonio. Adjustable angle plate arrangement. 3,788,633, 1-29-74, Cl. 269-60.000.

Cho, Boong Y.; Sturkol, Elmer W.; and Wier, Keith E., to Industrial Nucleonics Corporation. Radiation gauge. 3,809,903, 5-7-74, Cl. 250-358.000.

Cho, Boong Y., to Industrial Nucleonics Corporation. Method and apparatus for measuring the opacity of sheet material in which the transmittance signal is compensated for the reflectivity of the material. 3,827,808, 8-6-74, Cl. 356-199.000.

Cho, Hideyuki. Apparatus for spreading and guiding fabric widthwise. 3,822,448, 7-9-74, Cl. 26-67.000.

Cho, Nakwon, to United States of America, Atomic Energy Commission. Tissue collector. 3,791,524, 2-12-74, Cl. 210-232.000.

Choate, John Robert. Camera lens hood. 3,840,883, 10-8-74, Cl. 354-202.000.

Choate, Wallace R.: *See—*
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Choate, William Clay: *See—*
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Choay, Jean; and Sakouhi, Mireille, to Choay S.A. Processes for preparing polynucleotides. 3,796,631, 3-12-74, Cl. 195-28.00n.

Choay, Jean, to Choay S.A., mesne. Therapeutical composition of N-propionyl-epsilon-amino-caproic acid with method of treatment. 3,857,950, 12-31-74, Cl. 424-319.000.

Choay S.A.: *See—*
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Chocoladefabriken Lindt & Sprungli Aktiengesellschaft: *See—*
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Chodnekar, Madhukar S.; Thommen, Hans; and Schwieter, Ulrich, to Hoffmann-La Roche Inc. Substituted propiolophenones used as plant fungicides. 3,812,262, 5-21-74, Cl. 424-282.000.

Chodnekar, Madhukar Subraya; Pfiffner, Albert; Rigassi, Norbert; Schwieter, Ulrich; and Suchy, Milos, to Hoffmann-La Roche Inc. Benzodioxane derivatives. 3,819,655, 6-25-74, Cl. 260-340.300.

Chodnekar, Madhukar Subraya; Pfiffner, Albert; Rigassi, Norbert; Schwieter, Ulrich; and Suchy, Milos, to Hoffmann-La Roche, Inc. Alkyl oxybenzoic acid esters. 3,821,284, 6-28-74, Cl. 260-473.00r.

Chodnekar, Madhukar Subraya; Pfiffner, Albert; Rigassi, Norbert; Schwieter, Ulrich; and Suchy, Milos, to Hoffmann-La Roche Inc. Methylenedioxy-phenoxy derivatives as agents for upsetting hormone balance in insects. 3,829,577, 8-13-74, Cl. 424-278.000.

Chodnekar, Madhukar Subraya; Pfiffner, Albert; Schwieter, Ulrich; Rigassi, Norbert; and Suchy, Milos, to Hoffmann-La Roche Inc. Alkenyloxy benzoic acid and esters thereof. 3,833,642, 9-3-74, Cl. 260-473.00r.

Chodnekar, Madhukar Subraya; Pfiffner, Albert; Rigassi, Norbert; Schwieter, Ulrich; and Suchy, Milos, to Hoffmann-La Roche Inc. Insecticidal pyrethrins in combination with juvenile hormones. 3,839,562, 10-1-74, Cl. 424-187.000.

Choe, Hyum Mook: *See—*
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Chofuku, Jiro: *See—*
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Cholet, Jacques, to Institut Francais du Petrole, des Carburants et Lubrifiants. Device for generating acoustic waves by implosion. 3,833,087, 9-3-74, Cl. 181-120.000.

Cholet, Prosper Etienne; and Lucien, Jean Rene. Process for desulfurization of chemical media or of materials containing sulfur and/or its derivatives. 3,804,749, 4-16-74, Cl. 208-241.000.

Chollet, Maurice; and Genmat, Francois, to Societe Financiere et Industrielle des Ateliers. Electromagnetic fuel injectors. 3,810,449, 5-14-74, Cl. 123-32.0ea.

Chollet, Pierre: *See—*
Gervais, Edouard; Chollet, Pierre; and Ranger, Robert, 3,793,091.
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Chombard, Pierre A., to Societe Francaise d'Equipements pour la Navigation Aerienne. Fault warning devices for gyroscopic instruments. 3,807,238, 4-30-74, Cl. 74-5.700.

Chomczyk, Wlodzimierz; and Chilimoniuk, Wlodzimierz, to Wyzsza Szkola Inzynierska. Intake-valve-free compressor. 3,788,780, 1-29-74, Cl. 417-493.000.

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Seeger, Richard E., Jr.; and Coulter, John G., 3,806,685.
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Chomitz, Nicholas; and Ostroff, Norman, to American Cyanamid Company. Preparation of alumina extrudates by hydrogel extrusion. 3,808,153, 4-30-74, Cl. 252-463.000.

Chomova, Nina Grigorievna: *See—*
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Chong, Victor M., to Sun Ventures Inc. Adiabatic recycle design for exothermic heterogeneously catalyzed reactions. 3,843,737, 10-22-74, Cl. 260-668.00f.

Chong, Victor Manuel, to Sun Research and Development Co. Sodium recovery process. 3,823,014, 7-9-74, Cl. 75-66.000.

Chopdekar, Vilas M., to M & T Chemicals Inc. Method for preparing phosphorus compounds. 3,855,310, 12-17-74, Cl. 260-606.50p.

Chope, Henry Roy, to Industrial Nucleonics Corporation. System for effectively enlarging a detector window. 3,855,467, 12-17-74, Cl. 250-219.00q.

Chopieska, Frank S. Marker line means for spreader. 3,836,052, 9-17-74, Cl. 222-177.000.

Chorak, Peter P.: *See—*
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Chordas, Joseph L. Compression splice for electrically coupling electrical conductors. 3,810,078, 5-7-74, Cl. 339-268.00r.

Chore-Time Equipment, Inc.: *See—*
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Chorkey, William J., to Ace Controls, Inc. Impact noise suppressor 3,838,850, 10-1-74, Cl. 267-141.000.

Chorvat, Robert J.; and Pappo, Raphael, to Searle, G. D., & Co. Process for the manufacture of delta 4-steroidal lactams. 3,799,931, 3-26-74, Cl. 260-289.0az.

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Chou, Ta-Sen; and Burgtorf, James R., to Lilly, Eli, and Company. Process for preparing N-trimethylsilylacetamide. 3,839,387, 10-1-74, Cl. 260-448.20e.

Chough, Euiwon; Deverse, Frank T.; Konrad, Franz; Kurtz, John A., and Manchester, Russell C., to Cogar Corporation. Mounting block for semiconductor wafers. 3,809,050, 5-7-74, Cl. 125-35.000.

Chouings, Leslie Cyril, to Automotive Products Company Limited. Valve devices. 3,794,076, 2-26-74, Cl. 137-115.000.

Chouings, Leslie Cyril, to Automotive Products Company Limited. Accumulators. 3,825,034, 7-23-74, Cl. 138-30.000.

Choulat, Gustav: *See—*
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Chovet, Patrice; Rollin, Claude; Galasso, Honore; and Prost, Roger, to L'Air Liquide, Societe Anonyme Pour L'Etude et l'Exploitation des Procedes Georges Claude. Method of regulation of the frigorific power of a Joule-Thomson refrigerator and a refrigerato utilizing said method. 3,827,252, 8-6-74, Cl. 62-222.000.

Chow, Alfred W.; Dunn, George L.; Hoover, John R. E.; and Weisbach, Jerry A., to Smithkline Corporation. 7-Heterocyclic substituted cephalosporins. 3,821,207, 6-28-74, Cl. 260-243.00c.

Chow, Ho. Tie marker. 3,797,044, 3-19-74, Cl. 2-146.000.

Chow, Hu, to Beatrice Foods Co. Pop-up sprinkler. 3,791,581, 2-12-74, Cl. 239-205.000.

Chow, Kongta K., to United States of America, Navy, mesne. Wideband traveling-wave microstrip meander-line light modulator 3,791,718, 2-12-74, Cl. 350-160.00r.

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Chow, Yut. Fastening device. 3,808,645, 5-7-74, Cl. 24-71.0sk.

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Christen, Jack P., to Outers Laboratories, Inc. Knock-down electric food smoker. 3,856,374, 12-24-74, Cl. 312-263.000.

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Christen, Urs; and Guidinger, Dewayne Chester, to Varian Associates. Sample container support with cooling means. 3,853,010, 12-10-74, Cl. 73-423.00a.

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Christensen, Burton G.; Pollak, Peter I.; and Wendler, Norman L., to Merck & Co., Inc. Alkyl-or arylsulfonyloxy, alkanoyloxy substituted propylphosphonic acid lower alkyl esters. 3,819,676, 6-25-74, Cl. 260-456.00r.

Christensen, Burton G.; Beattie, Thomas R.; and Graham, Donald W., to Merck & Co., Inc. 1-Trifluoromethyl-1,2-epoxyenthyl-1-phosphonic acid and its salts. 3,822,296, 7-2-74, Cl. 260-348.00r.

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Christensen, Burton G.; and Cama, Lovji D., to Merck & Co., Inc. Process for preparing penicillin and cephalosporin compounds. 3,843,641, 10-22-74, Cl. 260-243.00c.

Christensen, Burton G.; Leanza, William J.; and Beattie, Thomas R., to Merck & Co., Inc. Amine salts of cis-propenylphosphonic acid. 3,849,482, 11-19-74, Cl. 260-501.210.

Christensen, Carl O., to Roll-Rite Corporation. System for towing and operating a fork-lift trailer. 3,805,981, 4-23-74, Cl. 214-140.000.

Christensen, Carl R. Wax carving tool tip. 3,821,513, 6-28-74, Cl. 219-233.000.

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Christensen, Franklin. Adjustable trigger bit. 3,815,326, 6-11-74, Cl. 54-8.000.

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Christensen, Haldor; Lundt, Behrend Friedrich; Gronvald, Frederik Christian; and Andersen, William, to Novo Terapeutisk Laboratorium A/S. 6-Substituted-chroman-8-carboxylic acids. 3,804,861, 4-16-74, Cl. 260-345.200.

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Christensen, Roy Martin; Gibson, James John; and Limberg, Allen Le Roy, to RCA Corporation. Omnidirectional sound field reproducing system. 3,824,342, 7-16-74, Cl. 179-1.0gq.

Christensen, Svend; and Nielsen, Jacob August, to Crisplant A/S. Conveyor systems. 3,828,681, 8-13-74, Cl. 104-88.000.

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Christian, Frank Gordon, Jr., to Chesapeake and Ohio Railway Company, The and Baltimore and Ohio Railroad Company, The. Railroad car for hauling flat stacks of material. 3,783,798, 1-8-74, Cl. 105-369.00a.

Christian, John B., to Aerospace Lubricants, Inc. Polyflouroalkyldimethyl polysiloxane/polyol aliphatic ester greases. 3,814,689, 6-4-74, Cl. 252-21.000.

Christian, Rioux; and Francoise, Damidau, to Agence Nationale de Valorisation de la Recherche (Anvar). Circuit breakers for heavy currents. 3,848,099, 11-12-74, Cl. 200-61.08r.

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Christians, Ray. Rockable chair for an amusement toy. 3,830,491, 8-20-74, Cl. 272-33.00r.

Christiansen, Allan Dale. Electronic component mounting wafers for repeated connection in a variety of circuit designs. 3,833,838, 9-3-74, Cl. 317-101.0cc.

Christiansen, Carl L.; Kanter, Lawrence E.; and Monroe, George R., to International Business Machines Corporation. Data synchronizer. 3,812,475, 5-21-74, Cl. 340-172.500.

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Christianson, Lee H. Cattle guard. 3,790,115, 2-5-74, Cl. 256-17.000.

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Christie, Christopher E.; and Martin, Eugene Earl, to Goodyear Tire & Rubber Company, The. Method for building a foam-inflated tire. 3,794,706, 2-26-74, Cl. 264-45.000.

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Christman, Robert D.; Guleri, Guglielmo; and McKinney, Joel D., to Gulf Research & Development Company. Process for conversion of residual oils. 3,803,027, 4-9-74, Cl. 208-111.000.

Christman, Robert D.; Elliott, George E., Jr.; and McKinney, Joel D., to Gulf Research & Development Company. Residue hydrodesulfurization process with catalysts whose pores have a large orifice size. 3,814,682, 6-4-74, Cl. 208-216.000.

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Christman, Robert D.; McKinney, Joel D.; Readal, Thomas C.; and Yanik, Stephen J., to Gulf Research & Development Company. Hydrodesulfurization and FCC of blended stream containing coker gas oil. 3,852,185, 12-3-74, Cl. 208-89.000.

Christman, Robert D.; McKinney, Joel D.; and Readal, Thomas C., to Gulf Research & Development Company. Combination hydrodesulfurization and FCC process. 3,852,186, 12-3-74, Cl. 208-89.000.

Christman, Robert D.; McKinney, Joel D.; Readal, Thomas C.; and Yanik, Stephen J., to Gulf Research & Development Company. Hydrodesulfurization process for producing fuel oil and FCC feed. 3,852,187, 12-3-74, Cl. 208-89.000.

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Christopher, James E. Live poultry catcher. 3,785,349, 1-15-74, Cl. 119-82.000.

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Cichowski, Robert S., to Phillips Petroleum Company. Dehydrogenation of organic compounds. 3,810,953, 5-14-74, Cl. 260-680.00e.

Cichowski, Robert S., to Phillips Petroleum Company. Oxidative dehydrogenation processes. 3,851,009, 11-26-74, Cl. 260-680.00e.

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Cicione, Robert J.; Najjar, Edward G.; Scanlon, Patricia M.; Ohlson, John L.; and Finn, Joseph F., to Grace, W. R., & Co. Composition and method for producing wrinkle-free permanently pressed cellulosic textile materials. 3,852,829, 12-10-74, Cl. 2-243.00r

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Cimarusti, Christopher M.; Giarrusso, Frederick F.; and Levine, Seymour D., to Squibb, E. R., & Sons, Inc. A-nor-3-thia corticoids. 3,825,566, 7-23-74, Cl. 260-332.30p.

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Ciuffini, Anthony J., to Xerox Corporation. Multilayered variable speed photoreceptor and method of using same. 3,837,849, 9-24-74, Cl. 96-1.00r.
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Claasen, Antonius Bernardus. Safety closure. 3,831,796, 8-27-74, Cl. 215-9.000.
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Claes, Frans Henri, to Agfa-Gevaert. Continuous method of preparing silver halide emulsions. 3,801,326, 4-2-74, Cl. 96-114.700.
Claes, Frans Henri; Libeer, Marcel Jan; and Vanassche, Willy Joseph, to AGFA-Gevaert N.V. Manufacture of photographic silver halide materials. 3,817,756, 6-18-74, Cl. 96-94.00r.
Claes, Frans Henri, to Agfa-Gevaert Mortsel. Continuous flow mixing apparatus. 3,831,907, 8-27-74, Cl. 259-7.000.
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Claflin, Harry B., to Kaiser Steel Corporation. Blast furnace and method of operating the same. 3,814,404, 6-4-74, Cl. 266-29.000.
Clagett, Thomas E.; and Dahl, Martin W., to Wickes Corporation, The. Front releasable, laterally clamping, quick-change tool holder for an orbiting crankshaft lathe grip. 3,785,228, 1-15-74, Cl. 82-36.00b.
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Clampitt, Bert H.; Gilbert, Ronald E.; and Jones, Joseph W., Jr., to Gulf Research & Development Company. Coordination bonding in ethylene polymers. 3,796,695, 3-12-74, Cl. 260-80.730.
Clampitt, Bert H.; Harwell, Kenneth E.; and Jones, Joseph W., Jr., to Gulf Research & Development Company. Oil spill recovery. 3,819,514, 6-25-74, Cl. 210-40.000.
Clampitt, Richard L.; and Hessert, James E., to Phillips Petroleum Company. Method for controlling formation permeability. 3,785,437, 1-15-74, Cl. 166-281.000.
Clampitt, Richard L.; and Hessert, James E., to Phillips Petroleum Company. Plugging or sealing fractures in formations. 3,845,822, 11-5-74, Cl. 166-281.000.
Clampitt, Richard L.; and Hessert, James E., to Phillips Petroleum Company. Recovery of hydrocarbons. 3,848,673, 11-19-74, Cl. 166-275.000.
Clampitt, Robert L., to Systron-Donner Corporation. Electronic dither circuit for a mechanical bearing assembly and method and accelerometer using the same. 3,797,320, 3-19-74, Cl. 73-496.000.
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Clancy, David, to Colgate-Palmolive Company. Folded towelette guide and feed mechanism. 3,803,798, 4-16-74, Cl. 53-120.000.
Clancy, David, to Colgate-Palmolive Company. Automatic packaging machines. 3,812,649, 5-28-74, Cl. 53-187.000.
Clancy, James Roger, to Simon, Henry, Limited. Control valve. 3,834,418, 9-10-74, Cl. 137-625.480.
Clancy, Lawrence F.; Lee, Emil B., Jr.; Smart, William O.; and Yancey, John W., to Caterpillar Tractor Company. System for cooling an hydraulic excavator. 3,788,418, 1-29-74, Cl. 180-68.00r.
Clancy, William B. Convertible floor sanitary inspection device. 3,816,738, 6-11-74, Cl. 240-2.180.
Clanton, John S., to International Telephone and Telegraph Corporation. Electro-optical transmission line. 3,809,908, 5-7-74, Cl. 250-551.000.
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Clark, Albert L., to Pac-Craft Products, Inc. Aerial scaffold for vehicle. 3,825,095, 7-23-74, Cl. 182-17.000.
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Clark, Bernard, to Thackray, Chas. F., Limited. Femoral prosthesis with removable protective sheath. 3,818,514, 6-25-74, Cl. 3-1.000.
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Clark, Charles F. Dials and methods of making them. 3,820,263, 6-28-74, Cl. 40-70.000.
Clark, Charles F. Drinking fountain attachment. 3,856,203, 12-24-74, Cl. 239-27.000.
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Clark, Charles R.; Gregory, M. Duane; Kerfoot, Oliver C.; Veatch, Fred C.; Krehbiel, Delmar D.; and Kennedy, Carl D., to Continental Oil Company. Overbased high plus low molecular weight sulfonate waterflood additive. 3,847,823, 11-12-74, Cl. 252-8.55d.
Clark, Charles W.; and Pereberg, William, to Arwick Industries, Inc. Container dispenser for packets of solid air treating agent. 3,797,742, 3-19-74, Cl. 239-57.000.
Clark, Charles William. Photographic apparatus. 3,797,823, 3-19-74, Cl. 271-64.000.
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Clark, David Keenan, to Canadian Marconi Company. Anti-stiction device. 3,802,523, 4-9-74, Cl. 177-146.000.
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Clark, David L., to General Motors Corporation. One-way mirror periscope rear vision system. 3,827,788, 8-6-74, Cl. 350-302.000.
Clark, David L. Radiused mold walls for plastic tubs. 3,844,441, 10-29-74, Cl. 220-72.000.
Clark, David William Harold, to May & Baker Limited. Zinc sulphide pigments. 3,833,394, 9-3-74, Cl. 106-293.000.
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Clark, Duncan; Walsh, William Derek; and Jones, Walter Edward, to Imperial Chemical Industries, Limited. Production of esters. 3,850,980, 11-26-74, Cl. 260-497.00a.
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Clark, Edward C., to United States of America, Navy. Throttling ball valve. 3,826,281, 7-30-74, Cl. 137-625.310.
Clark, Edward L., to Research Corporation. Article of furniture and method of forming same. 3,814,478, 6-4-74, Cl. 297-445.000.
Clark, Edward S. Leveling instrument. 3,842,513, 10-22-74, Cl. 33-367.000.
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Clark, Fayette M. Electronic automated SOS device. 3,786,494, 1-15-74, Cl. 340-356.000.
Clark, Frank S., to Monsanto Company. Polyphenyl thioether lubricating compositions. 3,832,303, 8-27-74, Cl. 252-46.600.
Clark, Frank S., to Monsanto Company. Polyphenyl thioether lubricating compositions. 3,843,532, 10-22-74, Cl. 252-46.700.
Clark, Frank S., to Monsanto Company. Polyphenyl thioether lubricating compositions. 3,844,961, 10-29-74, Cl. 252-46.700.
Clark, Frank S., to Monsanto Company. Polyphenyl trioether lubricating compositions. 3,844,962, 10-29-74, Cl. 252-46.700.
Clark, Frank S.; and Fink, Walter, to Monsanto Company. Low pour point fluids and blends containing same. 3,853,776, 12-10-74, Cl. 252-46.300.
Clark, Gary T.: *See—*
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Clark, Gary T., to Eastman Kodak Company. Cationic azo dyes from aminohalobenzenesulfonamides. 3,836,518, 9-17-74, Cl. 260-152.000.
Clark, George Cyril, Jr.; and Davis, Robert Curtis, to Harris Intertype Corporation. Synchronism indicator for a convolutional decoder. 3,789,359, 1-29-74, Cl. 340-146.10d.
Clark, George Cyril, Jr.; and Davis, Robert Curtis, to Harris-Intertype Corporation. Convolutional decoder. 3,789,360, 1-29-74, Cl. 340-146.1aq.
Clark, George D.: *See—*
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Clark, George William Joseph; Golder, Gerald William; and Hart, Frederick Leslie, to GKN Sankey Limited. Doors for vehicles. 3,782,036, 11-74, Cl. 49-502.000.
Clark, Glenn W.; and Richardson, Oliver F., to Richardson, Oliver F. and Fleshman, Shirley. Electrically heated heat sealing implement. 3,857,015, 12-24-74, Cl. 219-244.000.
Clark, Grady W.; Wilson, James C.; Oliver, Bennie F.; and Chapman, Alan T., Jr., to United States of America, Atomic Energy Commission. Method of producing multicomponent metal-metal oxide single crystal. 3,796,673, 3-12-74, Cl. 252-515.000.
Clark, Harold A., to Dow Corning Corporation. Silicone elastomer containing polymonomethylsiloxane. 3,832,420, 8-27-74, Cl. 260-825.000.
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Clark, Harry L.; Trombley, Bertrand N.; and Eicholtz, Clara V., to Dow Chemical Company, The. Interlocking compression support member. 3,814,489, 6-4-74, Cl. 312-111.000.
Clark, Herbert, to LTV Aerospace Corporation. Fuel reclaiming system. 3,841,089, 10-15-74, Cl. 60-39.090.
Clark, Hiram Daniel, III. Flexible motorcycle gearshift. 3,853,020, 12-10-74, Cl. 74-560.000.
Clark, Hubert M.; and Drutchas, Gilbert H., to TRW Inc. Pump with means for supercharging the pump inlet. 3,806,273, 4-23-74, Cl. 417-29.000.
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Clark, James A., to Bausch & Lomb Incorporated. Automatically adjustable blocking device. 3,855,737, 12-24-74, Cl. 51-216.00r.
Clark, James D'A. Method and apparatus for sampling liquids. 3,822,597, 7-9-74, Cl. 73-423.00r.
Clark, James Elton, to Cantop Incorporated. Hermetically sealed tube for containing and dispensing viscous materials. 3,815,791, 6-11-74, Cl. 222-326.000.
Clark, James M., to International Telephone and Telegraph Corporation. Frame synchronization system. 3,789,307, 1-29-74, Cl. 328-155.000.
Clark, James M., to International Telephone and Telegraph Corporation. Digital speech detector. 3,832,493, 8-27-74, Cl. 179-15.0as.
Clark, James M., to International Telephone and Telegraph Corporation. Tasi assignment control arrangement. 3,836,719, 9-17-74, Cl. 179-15.0as.
Clark, James M., to International Telephone and Telegraph Corporation. Arrangement to test a tasi communication system. 3,840,708, 10-8-74, Cl. 179-15.0bf.
Clark, James R.; and Gearheard, Larry P., to Seattle Manufacturing Corporation. Adjustable crampons. 3,786,579, 1-22-74, Cl. 36-7.600.
Clark, James T. Pressure reducing nozzles for pressure guns. 3,814,329, 6-4-74, Cl. 239-426.000.
Clark, Jerri O.: *See—*
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Clark, John Colin; and Underwood, William George Elphinstone, to Glaxo Laboratories Limited. Δ^3-4-Carboxy-3-oxobutyl cephalosporins. 3,823,140, 7-9-74, Cl. 260-243.00c.
Clark, John Colin; Kennedy, James; and Long, Alan Gibson, to Glaxo Laboratories Limited. Cephalosporins having a thioetherified methyl group at the 3-position. 3,830,808, 8-20-74, Cl. 260-243.00c.
Clark, John Colin; and Elks, Joseph, to Glaxo Laboratories Limited. Preparation of cephalosporins having a substituted methyl group at position-3 by reaction of a 3-halomethyl cephalosporin with an onium salt. 3,833,572, 9-3-74, Cl. 260-243.00c.
Clark, John E., Jr., to A-Z International Tool Company. Sheared pipe cutter. 3,848,667, 11-19-74, Cl. 166-55.600.
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Clark, Joseph H., Jr.; and Harmon, Donald K., to General Electric Company. Collapsible hair dryer. 3,849,902, 11-26-74, Cl. 34-99.000.
Clark, Justin S., to Primary Childrens Hospital. Air emboli detector. 3,812,482, 5-21-74, Cl. 340-237.00r.
Clark, Justin S.; and Veasy, Lloyd George, to Primary Children's Hospital. Automated blood analysis system. 3,838,682, 10-1-74, Cl. 128-2.00g.
Clark, Keith E. Multi-purpose outdoor grill. 3,821,926, 7-2-74, Cl. 99-340.000.
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Clark, Kenneth M., to Deutsch Company Electronic Components Division, The. Contact for electrical connector. 3,784,966, 1-8-74, Cl. 339-276.00t.
Clark, Kenneth M., to Deutsch Company Electronic Components Division, The. Method for retaining an electrical connector insert. 3,803,710, 4-16-74, Cl. 29-629.000.
Clark, Kenneth M., to Deutsch Company Electronic Components Division, The. Contact insertion and removal tool. 3,824,670, 7-23-74, Cl. 29-203.00h.
Clark, Kenneth M., to Deutsch Company Electronic Components Division, The. Method of providing a coupling for electrical connectors or the like. 3,824,681, 7-23-74, Cl. 29-593.000.
Clark, Kenneth William; and Woodward, Clifford Stanley, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Oil tanks and coolers. 3,797,561, 3-19-74, Cl. 165-37.000.
Clark, Kenneth William, to Rolls-Royce (1971) Limited. Gas turbine engines. 3,820,719, 6-28-74, Cl. 239-265.310.
Clark, Langdon S., to Rockwood Systems Corporation, mesne. Three way remote controlled dual agent fire fighting turret. 3,840,074, 10-8-74, Cl. 169-24.000.
Clark, Larry G. Portable window-service counter unit. 3,841,037, 10-15-74, Cl. 52-36.000.
Clark, Lowell Eugene, to Motorola, Inc. Stable thyristor device. 3,812,405, 5-21-74, Cl. 317-235.0ab.
Clark, Marion A. Pre-selector gear shift for bicycle. 3,798,986, 3-26-74, Cl. 74-217.00b.
Clark, Marion A. Variable speed sprocket drive. 3,800,613, 4-2-74, Cl. 74-244.000.
Clark, Merle M.: *See—*
Krippene, Brett C.; Clark, Merle M.; and Triffon, Apostol, 3,834,858.
Clark, Merlin W. Dual flush toilet mechanism. 3,839,747, 10-8-74, Cl. 4-67.00a.
Clark, Merlin Wayne. Ceiling lamp mounting. 3,794,962, 2-26-74, Cl. 339-126.00r.
Clark, Milton B.: *See—*
Kordesch, Karl V.; and Clark, Milton B., 3,847,673.
Clark, Nicholas R.; and Webster, William E., to Synthetic Chemicals Limited. Synthesis of thiophens. 3,822,289, 7-2-74, Cl. 260-332.800.
Clark, Nigel George: *See—*
Baker, Maurice William; Crowley, Jennifer; Watkins, Thomas Iswel; and Clark, Nigel George, 3,852,457.
Clark, Norman Owen; and Gwilliam, Ralph Derek, to English Clays Lovering Pochin & Company Limited. Tube pressure filters. 3,805,961, 4-23-74, Cl. 210-350.000.
Clark, Norman Owen, to English Clays Lovering Pochin & Company Limited. Processing of particulate materials. 3,817,457, 6-18-74, Cl. 241-4.000.
Clark, Norman Owen. Method of modifying clay particles. 3,822,827, 7-9-74, Cl. 241-3.000.
Clark Park Company: *See—*
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Clark, Pauline Cecilia: *See—*
Clark, Robert Clement; Clark, Pauline Cecilia; and Clark, Robert Bevan, 3,789,903.
Clark, Peter Stanley; and Jones, Paul Victor, to Foseco Trading A.G. Pliable sealant materials in strip or ribbon form. 3,839,248, 10-1-74, Cl. 260-19.00r.
Clark, Ralph E., to International Telephone and Telegraph Corporation. Air conditioning structure. 3,782,448, 1-1-74, Cl. 165-16.000.
Clark, Ray, to Applied Power Industries, Inc. Proportional force amplifier. 3,800,663, 4-2-74, Cl. 91-49.000.
Clark, Raymond: *See—*
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Clark, Raymond L. Apparatus for coating particulate material. 3,826,226, 7-30-74, Cl. 118-49.100.
Clark, Richard C.; and Jones, Floyd A. Method of grouting offshore structure. 3,838,575, 10-1-74, Cl. 61-46.000.
Clark, Richard L.: *See—*

Semprevivo, Ralph; Andrews, Donald W.; Clark, Richard L.; and French, David W., 3,847,418.

Clark, Richard N. Animal nail clipper. 3,838,507, 10-1-74, Cl. 30-29.000.

Clark, Richard W., to General Motors Corporation. Resilient electrical contact assembly. 3,805,006, 4-16-74, Cl. 200-290.000.

Clark, Robert Bevan: *See—*
Clark, Robert Clement; Clark, Pauline Cecilia; and Clark, Robert Bevan, 3,789,903.

Clark, Robert Clement; Clark, Pauline Cecilia; and Clark, Robert Bevan. Highly compact stable awning for travel trailers, motor homes and/or campers. 3,789,903, 2-5-74, Cl. 160-75.000.

Clark, Robert L.: *See—*
Pessolano, Arsenio A.; Witzel, Bruce E.; Graham, Patricia M.; Clark, Robert L.; and Shen, Tsung-Ying, 3,821,201.
Pessolano, Arsenio A.; Witzel, Bruce E.; Graham, Patricia M.; Clark, Robert L.; and Shen, Tsung-Ying, 3,853,896.
Shen, Tsung-Ying; and Clark, Robert L., 3,845,065.
Witzel, Bruce E.; Shen, Tsung-Ying; Graham, Patricia M.; Clark, Robert L.; and Pessolano, Arsenio A., 3,835,143.
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Clark, Robert P.: *See—*
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Clark, Roy; and Westfield, Donald, to Polymer Corporation Limited. Process for producing foam rubber-backed textiles. 3,811,922, 5-21-74, Cl. 117-76.00t.

Clark, Russell D., Jr., to Westinghouse Electric Corporation. Prefabricated housing for electrical switchgear with external housing wall attachment means. 3,832,605, 8-27-74, Cl. 317-120.000.

Clark, Russell L., to Avnet, Inc., mesne. 45 RPM adapter. 3,799,557, 3-26-74, Cl. 274-10.00s.

Clark, Son and Morland Limited: *See—*
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Clark, Thomas A.: *See—*
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Clark, Thomas D., to Westinghouse Air Brake Company. Digital speed control apparatus for vehicles. 3,800,139, 3-26-74, Cl. 246-182.00c.

Clark, Thomas L. Deodorized pet relief station. 3,793,989, 2-26-74, Cl. 119-1.000.

Clark, Thomas R., to National Cash Register Company, The. Servo-drive positioning device. 3,828,893, 8-13-74, Cl. 188-67.000.

Clark, Wesley D.; and Hollenbeck, Keith E. Disposable needleless injector. 3,853,125, 12-10-74, Cl. 128-173.00h.

Clark, Willard F.: *See—*
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Clark, Willard F.; and Slykhouse, Thomas E., to Dow Chemical Company, The. Calcium nitrate explosive composition. 3,839,107, 10-1-74, Cl. 149-22.000.

Clark, William E.: *See—*
Aellig, Milton J.; Powers, Earle M.; and Clark, William E., 3,805,455.

Clark, William E. Pre-gapped breaker point assemblies. 3,833,777, 9-3-74, Cl. 200-31.000.

Clark, William E., to Federal-Mogul Corporation. Method of making tetrafluoroethylene sealing elements with hydrodynamic action. 3,857,156, 12-31-74, Cl. 29-417.000.

Clark, William H., III: *See—*
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Clark, Willis G., to Bendix Corporation, The. Electrical connector having RF filter. 3,840,841, 10-8-74, Cl. 339-147.00p.

Clarke, Alan Bothwell. Security for computer systems. 3,806,882, 4-23-74, Cl. 340-172.500.

Clarke, Anthony J.: *See—*
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Clarke, Charles J., Jr., to Honeywell Information Systems Inc. Stepping motor speed control apparatus. 3,818,261, 6-18-74, Cl. 318-696.000.

Clarke, Clarence C., to Whirlpool Corporation. Refrigerator evaporator construction. 3,834,176, 9-10-74, Cl. 62-276.000.

Clarke, Clifford W., to Koppers Company, Inc. Water system for a larry car. 3,785,934, 1-15-74, Cl. 202-263.000.

Clarke, Daniel J., to Stalker Corporation, The. Heat exchanger core and method of fabrication thereof. 3,830,286, 8-20-74, Cl. 165-8.000.

Clarke, David George; Biggs, Ian Stedman; and Smith, Martin Graham, to Wiggins Teape Research & Development Limited. Forming non-woven fibrous material. 3,839,142, 10-1-74, Cl. 162-101.000.

Clarke, Denis Kevin Charles, to Lucas Aerospace, Limited. Driving arrangements for leadscrews. 3,802,281, 4-9-74, Cl. 74-59.150.

Clarke, Dennis E., to Lockheed Aircraft Corporation. Electrical connector assembly for power distribution system. 3,835,440, 9-10-74, Cl. 339-22.00b.

Clarke, Donald Bernard, to Lucas, Joseph, (Electrical) Limited. Friction welding apparatus. 3,822,821, 7-9-74, Cl. 228-2.000.

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Clarke, Edwin E.; and Florig, Albert J., said Clarke assor. to Bulk Liner Corporation and Florig assor. to Florig Equipment Company, Inc. Bulk material handling system. 3,819,070, 6-25-74, Cl. 214-49.000.

Clarke, Ellis Whiteside. Method for measuring the rate of flows of liquids. 3,826,137, 7-30-74, Cl. 73-194.00r.

Clarke, Eric Fifield Stuart, to Post Office, The. Co-axial cable with strength member. 3,798,350, 3-19-74, Cl. 174-102.00r.

Clarke, Eric Fifield Stuart; Cosier, James Edwin Henry; Kolanowski, Jan; Halls, Peter Seaton; and Laidlaw, Alexander Duncan Lindley, to Post Office, The. Tension measuring means for submarine cables. 3,802,258, 4-9-74, Cl. 73-143.000.

Clarke, Evans L.; and Kulhavy, Joseph T., to Case, J. I., Company. Fluid cylinder unit cushion structure. 3,823,648, 7-16-74, Cl. 91-395.000.

Clarke, Ewart C.; and Glew, David N., to Dow Chemical Company, The. Aqueous organic heat-sink fluids. 3,834,456, 9-10-74, Cl. 165-104.000.

Clarke, Gail H., Jr.; and Colafati, Ralph A., III, to Olin Corporation. Method of coating a fiberglass laminate and the coated laminate. 3,850,674, 11-26-74, Cl. 117-76.00t.

Clarke, Geoffrey, to Square D Company. Timing attachment for a relay. 3,835,352, 9-10-74, Cl. 317-130.000.

Clarke, George E.; and Krumke, Warren E., to United States of America, Navy. Self-locking holdback cleat. 3,818,958, 6-25-74, Cl. 244-115.000.

Clarke, Graham Morley, to Ferranti Limited. Detection of blemishes on surfaces. 3,803,474, 4-9-74, Cl. 318-640.000.

Clarke, Graham Morley, to Ferranti Limited. Apparatus used in the tracking of objects. 3,804,485, 4-16-74, Cl. 350-7.000.

Clarke, Graham Morley, to Ferranti Limited. Detection of blemishes in a surface. 3,804,534, 4-16-74, Cl. 356-237.000.

Clarke, Graham Morley, to Ferranti Limited. Device for detection of blemishes on opposite faces of a planar object. 3,836,261, 9-17-74, Cl. 356-200.000.

Clarke, Graham Morley, to Ferranti Limited. Device for detection of blemishes in the surface of symmetrical planar objects. 3,840,303, 10-8-74, Cl. 256-200.000.

Clarke, Greffrey; and Harris, Geoffrey John, to Square D Company. Over-current protective apparatus for a power circuit. 3,851,216, 11-26-74, Cl. 317-13.00r.

Clarke, James A., to Dow Chemical Company, The. Oxazolidinone modified triglycidyl ether of trihydroxy triphenyl methane and derivatives thereof. 3,789,053, 1-29-74, Cl. 260-47.0en.

Clarke, James A.; Jacobus, John J.; and Lager, Eric Peter, to General Signal Corporation. Centralized traffic control system for railroads. 3,836,768, 9-17-74, Cl. 246-3.000.

Clarke, Jesse E., to Autoquip Corporation. Platform system for servicing aircraft landing gear. 3,831,713, 8-27-74, Cl. 187-8.410.

Clarke, Jesse E., to Autoquip Corporation. Door structure for recessed auto lift. 3,837,434, 9-24-74, Cl. 187-8.620.

Clarke, Joseph Brian, to Coleco Industries, Inc. Board-type game with removable play selector member. 3,851,878, 12-3-74, Cl. 273-94.00r.

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Clarke, Kenneth, to Imperial Chemical Industries, Limited. Presses. 3,806,104, 4-23-74, Cl. 267-113.000.

Clarke, Michael Raymond; and Filipowicz, Leon, to Balm Paints, Limited. Process for the preparation of a polymer dispersion in an inert organic liquid. 3,793,245, 2-19-74, Cl. 260-34.200.

Clarke, Richard N.: *See—*
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Clarke, Robert E. Flowmeter. 3,810,562, 5-14-74, Cl. 222-20.000.

Clarke, Robert E. Combination of a knife and sharpener. 3,846,909, 11-12-74, Cl. 30-138.000.

Clarke, Robert G. Self-adjusting tripod. 3,795,378, 3-5-74, Cl. 248-168.000.

Clarke, Robert H., to American Brattice Cloth Corporation. Method for making reinforced flexible tubing. 3,846,202, 11-5-74, Cl. 156-143.000.

Clarke, Robert L.: *See—*
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Clarke, Robert L.; and Van Dyk, Gerk Gerry, to Atomic Energy of Canada Limited. Method for non-destructive densitometric measurement of small volumes inside irregularly shaped non-uniform objects. 3,809,904, 5-7-74, Cl. 250-358.000.

Clarke, Robert L.; and Daum, Sol J., to Sterling Drug Inc. Tropane-2-carboxylates and derivatives. 3,813,404, 5-28-74, Cl. 260-292.000.

Clarke, Robert W.: *See—*

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Clarke, Ronald Albert William, to Klarcrete Limited. Impact apparatus for cutting grooves in roads. 3,791,699, 2-12-74, Cl. 299-37.000.

Clarke, Ronald Albert William, to Klarcrete Limited. Road levelling machine. 3,810,676, 5-14-74, Cl. 299-1.000.

Clarke, Terence James: *See—*
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Clarke, Terence James Leonard; Quarmby, Robert Charles; and Lett, Philip Michael, to British United Shoe Machinery Company Limited, The. Manufacture of springs. 3,782,425, 1-1-74, Cl. 140-103.000.

Clarke, Ternece James Leonard; Quarmby, Robert Charles; and Matts, George Arthur, to British United Shoe Machinery Company Limited, The. Manufacture of springs. 3,827,464, 8-6-74, Cl. 140-103.000.

Clarke, Walter Wilson Hugh. Locking system responsive to an electronic key. 3,829,836, 8-13-74, Cl. 340-171.00r.

Clarke, William C., Jr., to Armco Steel Corporation. Free-machining stainless steel. 3,799,765, 3-26-74, Cl. 75-126.000.

Clarke, William Frank: *See—*
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Clarke, William Frank, to Masson Scott Thrissell Engineering Limited. Stands for reels of paper. 3,837,591, 9-24-74, Cl. 242-68.400.

Clarke, William M.: *See—*
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Clarkson, Robert J., to Uniroyal, Inc. Production of asbestos yarns. 3,811,262, 5-21-74, Cl. 57-140.0by.

Clarkson, Robert J., to Uniroyal, Inc. Method and apparatus for twist plied yarn and product thereof. 3,820,316, 6-28-74, Cl. 57-34.0hs.

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Clary, Harry Earl; and Skopin, Harold Cyril, to TRW Inc. Two-piece oil-cooled piston with thermal expansion control. 3,805,677, 4-23-74, Cl. 92-186.000.

Clary, James Barney, to Bell Telephone Laboratories, Incorporated. Serial-paralled binary multiplication using pairqise addition. 3,805,043, 4-16-74, Cl. 235-164.000.

Clary, John G., to Addmaster Corporation. High speed drum printer with stepping motor to advance drum and paper. 3,838,638, 10-1-74, Cl. 101-93.00c.

Clasen, Claus J. Werner, to Standard Car Truck Company. Dampened railway truck bolster wear plate. 3,851,595, 12-3-74, Cl. 105-197.0db.

Clasen, Heinrich. Device for handling flowable materials. 3,804,376, 4-16-74, Cl. 259-4.000.

Clasen, Hermann: *See—*
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Clasen, Richard Howard: *See—*
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Clasen, Richard Howard; and Giglia, Robert Domenico, to American Cyanamid Company. Ammonia-treated electrochromic (EC) electrodes. 3,847,468, 11-12-74, Cl. 350-160.00r.

Clasper, Thomas; Hutton, Wilfred H.; Kessinger, Orville E., Jr.; Randour, Victor; and Simpson, Fred E., to Caterpillar Tractor Company. Method of making a track idler wheel. 3,842,475, 10-22-74, Cl. 29-159.00r.

Claspy,Paul C.: *See—*
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Class, Jean, to Les Ateliers de Construction Mecaniques C. & A. Bag-manufacturing machine. 3,833,446, 9-3-74, Cl. 156-499.000.

Classe, Anthony V.; and Mehn, Robert P., to Ipco Hospital Supply Corporation, mesne. Animal cage. 3,826,229, 7-30-74, Cl. 119-17.000.

Classen, Franz. Method for using molten metal channel for the conveyance of liquid glass. 3,798,017, 3-19-74, Cl. 65-99.00a.

Classen, Franz, to Erste Deutsche Floatglas GmbH & Co.OHG. Channel for the conveyance of liquid glass. 3,826,636, 7-30-74, Cl. 65-182.00r.

Claude, Beaudouin Jean, to Flaminaire. Gas lighters. 3,835,579, 9-17-74, Cl. 431-344.000.

Claude, Rene Louis: *See—*
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Clausi, Joseph V.; Landau, Michael; Otter, Loren H., and Sawyer, Richard D., to United States of America, Navy, mesne. Pressure balanced fuel cell system for underwater vehicle. 3,795,544, 3-5-74, Cl. 136-86.00b.

Clausing, Challiss I., to I-T-E Imperial Corporation. Open air GAP operation with static overload device. 3,794,889, 2-26-74, Cl. 317-27.00r.

Clausing, Challiss I., to I-T-E Imperial Corporation. Current limiting circuit interrupter device. 3,836,819, 9-17-74, Cl. 317-11.00c.

Clauss, Harry G., Jr.: *See—*
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Clauss, Julius A., Jr. Automotive transmission. 3,826,157, 7-30-74, Cl. 74-763.000.

Clauss, Julius A., Jr.; Conley, Jack S.; and Lemon, Robert W., to Borg-Warner Corporation. Transmission. 3,830,082, 8-20-74, Cl. 64-15.00c.

Clauss, Manfred; and Clauss, Ulrich, to Clauss-Markisen Manfred u. Ulrich Clauss, Firma. Roll-up awning construction. 3,782,443, 1-1-74, Cl. 60-22.000.

Clauss, Richard J.: *See—*
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Clauss, Richard J.; and Tremmel, Robert A., to Oxy Metal Finishing Corporation. Electrodeposition of bright nickel iron deposits employing a compound containing a sulfide and a sulfonate. 3,795,591, 3-5-74, Cl. 204-43.00t.

Clauss, Richard J., to Oxy Metal Finishing Corporation. Composite nickel iron electroplate and method of making said electroplate. 3,812,566, 5-28-74, Cl. 29-183.500.

Clauss, Richard J.; Tomaszewski, Thaddeus W.; and Brown, Henry, to Oxy Metal Finishing Corporation. Electrolyte and method for electrodepositing microporous chromium-nickel composite coatings. 3,825,478, 7-23-74, Cl. 204-41.000.

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Claw Corporation: *See—*
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Clawson, Lawrence G., to Thermo Electron Corporation. Fuel system. 3,824,965, 7-23-74, Cl. 123-32.00r.

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Claxton, Patrick H.; and Keenan, Thomas A., to American Sterilizer Company. Low electrical leakage support. 3,848,714, 11-19-74, Cl. 191-33.000.
Claxton, William E.; and Hollow, James E., to Firestone Tire & Rubber Company, The. Stress-strain and area readout instrument. 3,826,902, 7-30-74, Cl. 235-151.300.
Clay, Benjamin Andrew; and Hill, Albert Charles, to Girling Limited. Frictional couplings. 3,805,926, 4-23-74, Cl. 188-79.50p.
Clay, Frank W. Means for relatively varying the position of an axis. 3,817,120, 6-18-74, Cl. 74-571.001.
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Claycomb, Jackson R., to Schlumberger Technology Corporation. Force-measuring apparatus for use in a well bore pipe string. 3,855,857, 12-24-74, Cl. 73-151.000.
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Carnewal, Jose A. C. L.; Decruyenare, Trudo M. J.; and Mesure, Georges M., 3,816,981.
De Coene, Frans J. G. C.; and Muijs, Cornelis G. M., 3,847,160.
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Mortimer, Frans H.; Jacobs, Gerard O.; Decoene, Frans J. G. C.; Braet, August; and Rowland-Hill, Edward W., 3,848,609.
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Clayton & Lambert Manufacturing Company: *See*—
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Clayton, Benjamin; and Thurman, Benjamin H. Tobacco smoke filter. 3,809,097, 5-7-74, Cl. 131-10.700.
Clayton, David W.: *See*—
Liebergott, Norman; Clayton, David W.; Joachimides, Thomas; and Merka, Joseph, 3,806,404.
Clayton, Henry C. Hose clamp tool. 3,800,634, 4-2-74, Cl. 81-9.300.
Clayton, James William Barnes: *See*—
Croasdale, Fred; Clayton, James William Barnes; and Norman, Keith, 3,828,539.
Clayton, James William Barnes, to Platt International Limited. Removal of trash in the open-end spinning of textile yarns. 3,839,764, 10-8-74, Cl. 15-301.000.
Clayton, John, to Waters Manufacturing, Inc. Electrical resistance element and method of manufacture. 3,851,293, 11-26-74, Cl. 338-195.000.
Clayton, John B.: *See*—
Hess, John J., 3,806,120.
Clayton, John Charles; Faulkner, Peter James; Jones, William Reginald; and Phillipps, Gordon Hanley. Chemical process. 3,822,298, 7-2-74, Cl. 260-397.400.
Clayton, John D.: *See*—
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Clayton Manufacturing Company: *See*—
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Clayton, William, 3,837,219.
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Clayton, Ralph S. Colon catheter. 3,802,418, 4-9-74, Cl. 128-2.00f.
Clayton, Robert E.; and Vanderbilt, Byron M., to Esso Research and Engineering Company. Rubber bonded to siliceous surfaces. 3,853,692, 12-10-74, Cl. 161-193.000.
Clayton Specialties, Inc.: *See*—
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Scott, Donald C., deceased, 3,841,469.
Clayton, Thomas G.: *See*—
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Clayton, William, to Clayton Manufacturing Company. Variable inertia flywheel apparatus. 3,837,219, 9-24-74, Cl. 73-117.000.
Clayton, William Harold, Jr.; and Schuetzenduebel, Wolfram Gerhard, to Combustion Engineering, Inc. Economizer bypass for increased furnace wall protection. 3,818,872, 6-25-74, Cl. 122-406.003.
Claytor, Richard N.: *See*—
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Claytor, Richard N.; and Eden, Dayton D., to Advanced Technology Center, Inc. Wide band recording apparatus. 3,789,420, 1-29-74, Cl. 346-1.000.
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Clear Hooters Limited: *See*—
Lloyd, Jeffrey Neil, 3,835,759.
Clear View Manufacturing Company: *See*—
Weast, Gerald T., 3,835,565.
Cleare, Henry M., to Eastman Kodak Company. Radiographic elements and products. 3,822,131, 7-2-74, Cl. 96-82.000.
Cleare, Ian Martin, to Smiths Industries, Limited. End fittings for flexible metallic conduits. 3,791,680, 2-12-74, Cl. 285-174.000.
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Robandt, William F., II; and Clearman, Jack F., 3,828,975.
Clearwaters, Walter L., to United States of America, Navy. Stress relief insert for flexible towed array. 3,791,480, 2-12-74, Cl. 181-.50a.
Cleary, Edward J., Jr., to United States of America, Navy. Omniconverter with digital phase shifter. 3,800,125, 3-26-74, Cl. 235-150.200.
Cleary, Harold J.; Horton, James B.; and Melloy, George F., to Bethlehem Steel Corporation. Corrosion resistant aluminum-zinc coating and method of making. 3,782,909, 1-1-74, Cl. 29-196.200.
Cleary, James, to Phillips Petroleum Company. Polyolefin rendered dye reseptive with capped polyamide, polyamide or polyester. 3,819,758, 6-25-74, Cl. 260-857.001.
Cleary, James M. Hydrofoil sailing craft. 3,789,789, 2-5-74, Cl. 114-60.50h.
Cleary, James M. Instrument for measuring maximum expiratory flow rate. 3,822,699, 7-9-74, Cl. 128-2.080.
Cleary, James W.: *See*—
Doss, Richard C.; and Cleary, James W., 3,806,450.
Cleary, James W., to Phillips Petroleum Company. Process for producing sultone- or hydroxyalkanesulfonate-modified polyamides. 3,842,044, 10-15-74, Cl. 260-78.00r.
Cleary, James W., to Phillips Petroleum Company. Preparation of aminobenzenes sulfonate-modified polyamides. 3,853,823, 12-10-74, Cl. 260-78.00r.
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Cleaveland, Charles M.; and Bould, Fred, to Westinghouse Electric Corporation. Mechanism for holding and levering large draw out type circuit breakers. 3,783,209, 1-1-74, Cl. 200-50.0aa.
Cleaveland, Charles M., to Westinghouse Electric Corporation. Draw out type vacuum circuit breaker assembly with hinged barrier. 3,793,494, 2-19-74, Cl. 200-50.0aa.
Cleaveland, Charles M., to Westinghouse Electric Corporation. Metal-clad switchgear having an improved cell construction with insulating battle supporting terminal conductors. 3,793,562, 2-19-74, Cl. 317-103.000.
Cleaveland, Charles M., to Westinghouse Electric Corporation. Modular disconnecting switch. 3,814,887, 6-4-74, Cl. 200-162.000.
Cleaveland, Charles M., to Westinghouse Electric Corporation. Heat conducting fins for bus bars and other electrical conductors. 3,829,647, 8-13-74, Cl. 200-289.000.
Cleaveland, Charles M., to Westinghouse Electric Corporation. Puffer-type compressed-gas circuit-interrupter. 3,852,551, 12-3-74, Cl. 200-148.00a.
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Clecak, Nicholas J.; Cox, Robert J.; and Mareau, Wayne M., to International Business Machines Corporation. Azides. 3,812,162, 5-21-74, Cl. 260-349.000.
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Cledaniel, William Richard, to Bolton-Emerson, Inc. Inlets for a double disc refiner. 3,845,910, 11-5-74, Cl. 241-245.000.
Cleereman, Kenneth J.: *See*—
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Clemence, Francois; and Le Martret, Odile, to Roussel-UCLAF. 2,2-Diphenyl-2-propargylacetamides. 3,808,213, 4-30-74, Cl. 260-268.000.
Clemence, Francois; and Le Martret, Odile, to Roussel-UCLAF. -2-Oxy-3-methoxy-5-allyl-benzamides. 3,817,999, 6-18-74, Cl. 260-247.70h.
Clemence, Francois; and Le Martret, Odile, to Roussel-UCLAF. Esters of 2-alkyl thiazole 5-carboxylic acid. 3,853,875, 12-10-74, Cl. 260-268.0ph.
Clemens, David H.; and Lange, Raymond J., to Rohm & Haas Company. Preparation of ion exchange resins from acrolein copolymers. 3,813,353, 5-28-74, Cl. 260-2.10c.
Clemens, David H., to Rohm and Haas Company. Macroreticular sulfonated pyridine-divinylbenzene resins. 3,816,355, 6-11-74, Cl. 260-2.10e.
Clemens, David H.; and Hamann, Herman C., to Rohm & Haas Company. Polyol polymethocrylate crosslinked strong base anion exchange resins. 3,817,878, 6-18-74, Cl. 260-2.10e.
Clemens, John Kaufmann, to RCA Corporation. Record fabrication of a capacitive type storage medium. 3,842,217, 10-15-74, Cl. 179-100.40c.
Clemens, Jon Kaufmann, to RCA Corporation. Information records and recording/playback systems therefor. 3,842,194, 10-15-74, Cl. 178-6.60a.
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Clement, Christian; and Blanchard, Christian, to La Telemecanique. Device for regulating the current strength for a thermal relay. 3,800,261, 3-26-74, Cl. 337-84.000.
Clement, Clarence C., Jr., to Halliburton Company. Methods for sealing subterranean earth formations. 3,835,926, 9-17-74, Cl. 166-292.000.
Clement, Gilbert; and Buttman, Rene, to Etat Francais represente par le Ministre d'Etat charge de la Defense Nationale - Delegation - Ministerielle pour l'Armement - Direction Technique des Armements Terrestres. Control system for tracking a moving target.3,840,794, 10-8-74, Cl. 318-632.000.
Clement, Jack M., to Gould Inc. Electric resistance heating element. 3,852,568, 12-3-74, Cl. 219-375.000.
Clement, Jean-Francois: *See*—
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Clement, John H. Signaling device for rural mailbox. 3,827,627, 8-6-74, Cl. 232-35.000.
Clement, Ralph C., to I-T-E Imperial Corporation. Clamping means for mechanical securement of enclosures to bus duct. 3,783,320, 1-1-74, Cl. 317-99.000.
Clement, Ralph C., to I-T-E Imperial Corporation. Trolley collector having replaceable grounding strap. 3,797,617, 3-19-74, Cl. 191-49.000.
Clement, Ralph C., to I-T-E Imperial Corporation. Power tap for continuous outlet duct. 3,813,633, 5-28-74, Cl. 339-14.00r.
Clement, Ralph C., to I-T-E Imperial Corporation. Electrified duct and fittings therefor. 3,836,936, 9-17-74, Cl. 339-21.00r.
Clement, Ralph C., to I-T-E Imperial Corporation. Panelboard with provision for optional use with main breaker or main lugs with spaced insulators supporting main bus bars. 3,848,161, 11-12-74, Cl. 317-119.000.
Clement, Robert A., to Du Pont de Nemours, E. I., and Company. Catalytic synthesis of substituted pyridines from acetylenes and nitriles. 3,829,429, 8-13-74, Cl. 260-290.00p.
Clemente, Joseph J., to Gerald A. Cousino. Inflatable device having amusement and utilitarian purposes. 3,802,009, 4-9-74, Cl. 9-307.000.
Clemente, Stefano; and Pelly, Brian R., to Westinghouse Electric Corporation. Braking circuit for alternating current induction motor. 3,815,002, 6-4-74, Cl. 318-209.000.
Clementi, Anacleto; and Battini, Roberto, to Snam Progetti S.p.A. Process for the polymerization of olefine at high pressure in tubular reactors. 3,809,688, 5-7-74, Cl. 260-94.90r.
Clements, Alwin S.: *See*—
Metcalfe, Kenneth A.; Clements, Alwin S.; and Wilson, Clive W., 3,836,361.
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Clements, Lloyd W., to Ireco Industries, Inc. Trail line moves. 3,807,638, 4-30-74, Cl. 239-212.000.
Clements, Lloyd W., to Ireco Industries, Inc. Trail line shoe. 3,828,809, 8-13-74, Cl. 137-344.000.
Clements, Michael R.: *See*—
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Clemett, Edwin F., Jr.: *See*—
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Clemmons, Quentin T.; Coiner, Ronald W.; Jeffrey, William B.; and Kyllonen, Allen W., to Westinghouse Air Brake Company. Slack adjuster for hydro-pneumatic brake unit having automatic air bleed. 3,837,443, 9-24-74, Cl. 188-196.00a.
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Clendenen, Ronald L.; and Olson, Eugene E., to Shell Oil Company. Beta alumina production. 3,795,723, 3-5-74, Cl. 264-65.000.
Clendenin, William H., to General Electric Company. Polyvinyl acetate resin impregnated plastic laminate and process therefor. 3,853,686, 12-10-74, Cl. 161-167.000.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., to Union Carbide Corporation. Biodegradable transplanter containers. 3,844,987, 10-29-74, Cl. 260-7.500.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., to Union Carbide Corporation. Blends of a biodegradable thermoplastic dialkanoyl polymer and a naturally occurring biodegradable product. 3,850,862, 11-26-74, Cl. 260-7.500.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., to Union Carbide Corporation. Blends of a biodegradable thermoplastic oxyalkanoyl polymer and a naturally occurring biodegradable product. 3,850,863, 11-26-74, Cl. 260-7.500.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., to Union Carbide Corporation. Shaped biodegradable containers from biodegradable thermoplastic oxyalkanoyl polymers. 3,852,913, 12-10-74, Cl. 47-37.000.
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Clerke, John A. Floated barrel rifle with metal stock for improved barrel action bedding. 3,830,003, 8-20-74, Cl. 42-75.00c.
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Cleveland, Dale P.: *See*—
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Cleveland Electronics, Inc.: *See—*
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Cleveland Hardward & Forging Co.: *See—*
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Cleveland, James D., to Chevron Research Company. N-chlorothioamino triazines. 3,796,712, 3-12-74, Cl. 260-249.800.
Cleveland, James D., to Chevron Research Company. 5-Chlorothioimino imidazolidines. 3,843,677, 10-22-74, Cl. 260-309.500.
Cleveland, James D., to Chevron Research Company. N-chlorothio-7-(2,3-dihydrobenzofuranyl) carbamate production. 3,843,688, 10-22-74, Cl. 260-346.20r.
Cleveland, James D., to Chevron Research Company. N-chlorothio urea production. 3,857,883, 12-31-74, Cl. 260-545.00r.
Cleveland, James P.; and Martin, James C., to Eastman Kodak Company. Production of diakyl esters of succinic acid. 3,830,830, 8-20-74, Cl. 260-485.00r.
Cleveland, Joseph J.; and Fritsch, Carl W., Jr., to GTE Sylvania Incorporated. Fine grain translucent alumina. 3,834,915, 9-10-74, Cl. 106-73.400.
Cleveland Machine Controls, Inc.: *See—*
Jones, William M., 3,814,199.
Klimo, Robert G., 3,790,874.
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Cleveland, Peter G.: *See—*
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Clewes, Antony Brasher; and Tuckwood, Denis William, to TRW Inc. Electrical sockets. 3,820,054, 6-25-74, Cl. 339-17.0cf.
Clewes, Antony Brasher; and Tuckwood, Denis William, to TRW Inc. Multiway connector for a printed circuit board. 3,850,493, 11-26-74, Cl. 339-89.00m.
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Clifford, Richard P., to TRW Inc. Electrostatic control method and apparatus. 3,816,772, 6-11-74, Cl. 310-6.000.
Cliffton, Ethan W.; and Culligan, Matthew J. Collapsible support unit for a garment bag or the like. 3,834,548, 9-10-74, Cl. 211-118.000.
Clifton, Arthur E., to Armstrong Machine Works. Steam dispersion manifold. 3,857,514, 12-31-74, Cl. 239-132.000.
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Cline, Edwin L., to Clayton Manufacturing Company. Apparatus for controlling the characteristics of magnetically operated friction type power absorption devices. 3,855,852, 12-24-74, Cl. 73-135.000.
Cline, Harvey E.: *See—*
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Walter, John L.; and Cline, Harvey E., 3,793,013.
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Clippard, William L., III, to Clippard Instrument Laboratory, Inc. Valve with modular manifold body. 3,786,831, 1-22-74, Cl. 137-269.000.
Clippard, William L., III, to Clippard Instrument Laboratory, Inc. Annular port construction for spool valve. 3,819,152, 6-25-74, Cl. 251-367.000.
Clishem, Thomas A.; Duerr, Francis R.; and Snook, Carl T., to Corhart Refractories Company. Electrical furnace for melting glass. 3,818,112, 6-18-74, Cl. 13-6.000.
Clitheroe, Jay B., to Mineral & Chemical Resource Company. High energy gas-liquid contacting process. 3,791,104, 2-12-74, Cl. 55-86.000.
Clobes, Arnold R.: *See—*
Brienza, Michael J.; and Clobes, Arnold R., 3,824,492.
Clock, Donald Page: *See—*
Johnson, Miles Carrington; and Clock, Donald Page, 3,824,450.
Clody, Donald E.: *See—*
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Sordello, Frank J.; and Cloke, Robert L., 3,792,361.
Clonce, Ambrose J.: *See—*
Huffaker, James E.; Clonce, Ambrose J.; and Besser, John E., 3,846,351.
Clonts, Kenyon E., to Merichem Company. Alkylation utilizing fibers in a conduit reactor. 3,839,487, 10-1-74, Cl. 260-683.480.
Clontz, Raeford W., to Celanese Corporation. Automatic yarn feed apparatus. 3,796,032, 3-12-74, Cl. 57-22.000.
Clontz, Raeford Warren: *See—*
Bradley, Walter Eugene; Clontz, Raeford Warren; Floyd, Terry Stephen; and Honeycutt, James Reed, 3,857,309.
Cloosterman, Aloysius Bernardus Maria: *See—*
Van Buren, Alex Maarten; Cloosterman, Aloysius Bernardus Maria; Rek, Johannes Henricus Maria; and Zock, Hendrik Frits, 3,798,245.

Cloots, Henry P.; and Neumann, James A., to Waukesha Foundry Company, Inc. Positive displacement pump. 3,799,713, 3-26-74, Cl. 418-206.000.
Cloran, Arthur J. Telescopic stick for paralytics. 3,795,281, 3-5-74, Cl. 173-30.000.
Clorfeine, Alvin Seymour, to RCA Corporation. Circuit for operating an avalanche diode in the anomalous mode. 3,793,539, 2-19-74, Cl. 307-287.000.
Clorox Company, The: *See—*
Baldwin, Richard F., 3,837,537.
Foley, Lary L., 3,831,205.
Kemp, Charles E., 3,800,987.
Woodward, Peter K., 3,853,463.
Clos, Franz; and Mischke, Joachim, to Uhde, Friedrich, GmbH. Apparatus for the electrolysis of alkali metal chloride solutions with mercury cathode. 3,795,603, 3-5-74, Cl. 204-219.000.
Close, David E., to Transportation Technology, Inc. Linear motor acceleration control system. 3,828,236, 8-6-74, Cl. 318-561.000.
Close, Donald H., to Hughes Aircraft Company. Extended-field holographic lens arrays. 3,807,829, 4-30-74, Cl. 350-3.500.
Close, Ernest Frederick, to Magnavox Company, The. Multiple frequency FM detector. 3,800,226, 3-26-74, Cl. 325-315.000.
Close, Frederick J., to Stolle Corporation, The. Manufacture of cans and the like. 3,811,393, 5-21-74, Cl. 113-120.00r.
Close, Garth, to United Steel and Wire Company. Supermarket checkstand with bagging system. 3,840,092, 10-8-74, Cl. 186-1.0ac.
Close, James Garth. Check out system. 3,789,957, 2-5-74, Cl. 186-1.0ac.
Close, Sam. Portable drinking water purifier. 3,823,824, 7-16-74, Cl. 210-86.000.
Close, Stanley Wayne; Cordovani, John J.; and Shaffer, William E., to Stromberg-Carlson Corporation. Telephone ring trip circuit. 3,829,619, 8-13-74, Cl. 179-18.0hb.
Closmann, Philip J., to Shell Oil Company. Spreading-fluid recovery of subterranean oil. 3,804,169, 4-16-74, Cl. 166-267.000.
Closmann, Philip J.; and Suman, George O., Jr., to Shell Oil Company. Method for the recovery of oil from oil shale. 3,804,172, 4-16-74, Cl. 166-272.000.
Closs, Felix H.; Mueller, Hans R.; and Wild, Daniel, to International Business Machines Corporation. Time division multiplex exchange. 3,856,993, 12-24-74, Cl. 179-15.0at.
Closs, Felix Hugo; Mueller, Hans Rudolf; Port, Erich; Rudin, Harry, Jr.; and Wild, Daniel, to International Business Machines Corporation. Switching system for TDM data which includes an asynchronous submultiplex channel. 3,796,835, 3-12-74, Cl. 179-15.0by
Clossom, Addison; and Morse, Ronald, to Beckwith-Arden, Inc. Process for lasting shoe parts. 3,802,017, 4-9-74, Cl. 12-145.000.
Closson, Addison W.; and Beckwith, Harry L., to Beckwith Corporation. Stiffening material for shoe parts. 3,829,351, 8-13-74, Cl. 161-50.000.
Closson, Addison W., Jr. Foamed sheet for making stiffening elements. 3,797,138, 3-19-74, Cl. 36-68.000.
Closson, Addison Walker, Jr. Shoe lining and counter stiffener. 3,785,915, 1-15-74, Cl. 161-150.000.
Clottes, Georges: *See—*
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Cayol, Andre; Chenal, Jean-Claude; Clottes, Georges; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,816,247.
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Cloud, Charles E.: *See—*
Benner, Harold T., Jr.; and Cloud, Charles E., 3,822,008.
Benner, Harold Thomas, Jr.; and Cloud, Charles E., 3,821,873.
Cloud, Charles E.; and Hartman, Donn Allan, to Cloud Machine Corporation. Apparatus for automatically erecting and loading cartons. 3,854,270, 12-17-74, Cl. 53-159.000.
Cloud, Kenneth C.: *See—*
Sandstrom, John W.; and Cloud, Kenneth C., 3,823,730.
Cloud, Kenneth R. Automatic trench filler and tamper. 3,807,067, 4-30-74, Cl. 37-142.500.
Cloud Machine Corporation: *See—*
Cloud, Charles E.; and Hartman, Donn Allan, 3,854,270.
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Clough, George A.: *See—*
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Clough, James: *See—*
Vaughan, William A., Jr; and Clough, James, 3,824,715.
Clough, Roy L., to Xodar Corporation. Vertical aerating system. 3,806,098, 4-23-74, Cl. 259-101.000.
Clough, Roy L., Jr., to Xodar Corporation. Agitating and aerating apparatus. 3,788,616, 1-29-74, Cl. 261-64.00r.
Clougherty, Edward V., to Man-Labs, Incorporated. Graded impact resistant structure of TiB_2 in Ti_2. 3,802,850, 4-9-74, Cl. 29-182.200.
Cloup, Jean. Apparatus for machining work-pieces. 3,836,276, 9-17-74, Cl. 408-67.000.
Clouse, Donald D.: *See—*
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Clouse, Jerry A., to Caterpillar Tractor Company. Roller bearing retaining clip. 3,822,683, 7-9-74, Cl. 123-90.500.
Clouse, Leland Francis, 20% to Lee, Raymond, Organization, Inc., The. Low voltage warning system. 3,810,144, 5-7-74, Cl. 340-248.00c.
Clouston, John Gannon: *See—*
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Clover, Richmond B., Jr.; and Waites, Robert F., to Hewlett-Packard Company. Magnetic bubble generation. 3,824,571, 7-16-74, Cl. 340-174.0tf.
Clover, Richmond B., Jr., to Hewlett-Packard Company. Magnetic bubble propagation. 3,848,239, 11-12-74, Cl. 340-174.0tf.
Clover, Richmond Bennett, Jr., to RCA Corporation. Low birefringent orthoferrites. 3,804,766, 4-16-74, Cl. 252-62.570.
Clovis, James S.: *See—*
Owens, Frederick H.; and Clovis, James S., 3,796,771.
Clovis, James S.; and Sullivan, Francis R., to Rohm & Haas Company. Ring Phosphonates. 3,812,219, 5-21-74, Cl. 260-936.000.
Clow Corporation: *See—*
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Lee, Dennis D.; and Crookham, Carter C., 3,804,056.
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Clowes, Ernest J., to Aluminum Company of America. Draw ring for cans. 3,789,649, 2-5-74, Cl. 72-350.000.
Cloyd, Harold S., to Nosco Plastics, Incorporated. Plug valve. 3,788,599, 1-29-74, Cl. 251-181.000.
Cloyd, Harold S., to Nosco Plastics, Incorporated. Automatic shut-off valve for administration of sterile fluids. 3,806,086, 4-23-74, Cl. 251-149.700.
Cloyd, Harold S., to Nasco Plastics, Incorporated. Adaptor for hypodermic syringe. 3,822,701, 7-9-74, Cl. 128-221.000.
Cloyd, Harold S., to Nosco Plastics Incorporated. Syringe. 3,845,762, 11-5-74, Cl. 128-218.00p.
Cloyd, Harold S., to Nosco Plastics Incorporated. Syringe with puncturable stem. 3,845,763, 11-5-74, Cl. 128-218.0da.
Cluaran Associated Ltd.: *See—*
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Cluck, Perry U. Electric chess game boards. 3,854,725, 12-17-74, Cl. 273-131.00a.
Cluckey, Bertha L. Protective garment. 3,823,417, 7-16-74, Cl. 2-91.000.
Cluff, Edward Fuller: *See—*
Campbell, John B.; Cluff, Edward Fuller; and Sarafidis, Christos, 3,790,480.
Cluff, Edward Fuller; and Snow, Austin Matthew, Jr., to Du Pont de Nemours, E. I., and Company. Hot melt adhesive composition containing a branched elastomeric copolymer. 3,821,143, 6-28-74, Cl. 260-28.50b.
Clugage, Robert G. Compression hold-down elements. 3,791,640, 2-12-74, Cl. 269-136.000.
Clukey, Howard V.: *See—*
Grossman, Leonard N.; Kaznoff, Alexis I.; and Clukey, Howard V., 3,826,754.
Clumb, Thomas E. Explosive actuated tool for driving fastening stud. 3,797,721, 3-19-74, Cl. 227-9.000.
Clunis, Kenneth, to Minnesota Mining and Manufacturing Company. Differential tape drive. 3,820,701, 6-28-74, Cl. 226-183.000.
Clusener, Gerhard R.; and Kurth, Ingo, to Theta Industries, Inc. Quenching dilatometer. 3,805,589, 4-23-74, Cl. 73-16.000.
Cluwen, Johannes Meijer: *See—*
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C.M. Systems, Incorporated: *See—*
Oeming, Joseph A.; Heffrom, Allan J.; and Estry, Arthur L., 3,808,653.
Cmelik K., Rudolf Max Helmut. Fluid mixture analyzer using a capacitive probe and voltage divider. 3,816,811, 6-11-74, Cl. 324-61.00r.
CMI Corporation: *See—*
Allen, Thomas E., 3,815,622.
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CML-Macarr, Inc.: *See—*
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Chapman, Richard Matthews, 3,793,198.
Cnobloch, Herbert; Kohlmuller, Hans; and Marchetto, Manfredo, to Siemens Aktiengesellschaft. Fuel cell and apparatus for water removal by evaporating the water from the electrolyte of fuel elements. 3,783,028, 1-1-74, Cl. 136-86.00c.
Co-Ordinated Industries, Inc.: *See—*
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Co-Poly-Ex Corporation: *See—*
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Harder, Arthur J., Jr., 3,847,452.
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Harder, Arthur J., Jr., 3,848,937.
Hultquist, Gordon; and Tyler, Patrick J., 3,801,154.
Coackley, Robert, to Hewlett-Packard Ltd. Apparatus for measuring conversion of amplitude modulation to phase modulation. 3,787,763, 1-22-74, Cl. 324-57.00r.
Coad, George L.: *See—*
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Coad, George L.; and Carter, James C., to Applied Radiation Corporation. Scissor lift and drive mechanism therefor. 3,785,462, 1-15-74, Cl. 187-18.000.
Coad, Peter; and Hill, John Arthur, to Kerr-McGee Chemical Corporation. Process for the extraction of tungsten from an aqueous alkaline solution. 3,804,941, 4-16-74, Cl. 423-54.000.
Coaker, Anthony W. M.; Darby, Joseph R.; and Mathis, Thomas C., to Monsanto Company. Plasticizer systems for polyvinyl butyral interlayer. 3,841,890, 10-15-74, Cl. 106-316.000.
Coaker, Anthony W. M.; Darby, Joseph R.; and Mathis, Thomas C., to Monsanto Company. Plasticized polyvinyl butyral interlayers. 3,841,955, 10-15-74, Cl. 161-199.000.
Coaker, Antony W. M.; and Cowell, Elmer E., to Monsanto Company. Lubricated thermoplastic resin compositions. 3,809,667, 5-7-74, Cl. 260-31.80r.
Coakley, Donald L. Inflatable funnel. 3,815,646, 6-11-74, Cl. 141-337.000.
Coakley, Robert D.: *See—*
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Coakley, Thomas A.; and Sullivan, James C., to Owens-Corning Fiberglas Corporation. Glass fiber reinforced elastomers. 3,817,775, 6-18-74, Cl. 117-72.000.
Coal Industry (Patents) Limited: *See—*
Bates, John Joseph; Jackson, Eric Arthur; and Smith, Gordon, 3,786,511.
Blunt, Geoffrey Vincent Dallow; and Hodges, Newton John, 3,793,276.
Hoy, Herbert Raymond; Johnson, Ronald Leslie; and Battcock, Whalley Vowe, 3,784,108.
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Powell, John Lawrence; Winter, Peter John; and Pritchard, Ernest, 3,852,428.
Price, David Watkin; Sidebottom, Ronald; Briscoe, Murray George; and Moore, Ronald Charles, 3,786,011.
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Coale, Edgar B., to Levy, Max, & Co., Inc. Combination of a transmissive diffractive phase-grating and a television picture-tube in operative juxtaposition to each other. 3,842,202, 10-15-74, Cl. 178-7.850.
Coale, Thomas E.; Gunn, Sidney W.; Merrigan, Frank; and Tompkins, Donald M., to St. Regis Paper Company. Method of forming an engraved plate. 3,818,832, 6-25-74, Cl. 101-401.100.
Coalson, John P. Drill bit. 3,847,236, 11-12-74, Cl. 175-383.000.
Coanda, Henri, to Institutul Pentru Creatie Stiintifica Si Technica. System for pneumatically advancing a container within a duct. 3,787,006, 1-22-74, Cl. 243-6.000.
Coanda, Henry; Aldea, Gheorghe; Bodea, Ion; Truica, Vasile; Hanciulescu, Valentin; Posirca, Radu; Lazar, Cristian; and Gabor, Iacob, to Institutul de Cercetare si Proiectare Tehnologica Pentru Industria Extractiva de Titei si Gaza. Method of and apparatus or the gas-light withdrawal of a liquid from a subterranean space. 3,784,325, 1-8-74, Cl. 417-163.000.
Coassolo, Alfredo: *See—*
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Coate Burial Vault Inc.: *See—*
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Coate, Forrest M., to United States of America, Air Force. Method and means for determining fatigue damage and surface stress. 3,854,325, 12-17-74, Cl. 73-67.600.
Coates, Clarence A.: *See—*
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Coates, Clarence A., Jr.: *See—*
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Weaver, Max A.; and Coates, Clarence A., Jr., 3,816,392.
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Coates, Clarence A., Jr.; and Weaver, Max A., to Eastman Kodak Company. 2-Amine-4-aryl-5-(2-cyano-4,6-dinitrophenylazo) thiazole compounds. 3,816,391, 6-11-74, Cl. 260-158.000.
Coates, Clarence A., Jr.; and Weaver, Max A., to Eastman Kodak Company. Thiadiazclyl-azo-indole compounds. 3,829,411, 8-13-74, Cl. 260-158.000.
Coates, David L.: *See—*
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Coates, Harold: *See—*
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Coates, Harold; and Waring, Derek Morris Holt, to United Kingdom of Great Britain and Northern Ireland, Minister of Supply in Her Majesty's Government of the. Preparation of complex aluminum compounds and alkyl phosphorus halides. 3,840,576, 10-8-74, Cl. 20-448.00a.
Coates, Harold J.: *See—*
Craig, H. Lee, Jr.; and Coates, Harold J., 3,812,021.
Coates, Harvey W., to Smith, G. D., Inter Ocean Inc. Airplane animal enclosure. 3,804,065, 4-16-74, Cl. 119-11.000.
Coates, Herbert W.: *See—*
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Coates, Richard H. Propping device for outdoor stoves. 3,834,745, 9-10-74, Cl. 292-339.000.
Coates, Robert N.: *See—*
Bennett, Charles D.; Coates, Peter M.; and Coates, Robert N., 3,828,318.
Coates, Ronald Bell; Marsden, Ralph John Basil; Smith, Frederick Arthur; and Towle, Gerald, to Imperial Chemical Industries Limited. Melt spinning apparatus. 3,830,617, 8-20-74, Cl. 425-464.000.
Coates, Vincent J.; and Welter, Leonard M., to American Optical Corporation. Low voltage field emission scanning electron microscope. 3,784,815, 1-8-74, Cl. 250-49.50c.
Coates, Vincent John; Welter, Leonard M.; and Gold, James J., to American Optical Corporation. Scanning charged particle microprobe with external spurious electric field effect correction. 3,842,272, 10-15-74, Cl. 250-311.000.
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Coats, Jesse C. Lumber cam lifting mechanism. 3,822,778, 7-9-74, Cl. 198-103.000.
Coats, John H.: *See—*
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Argoudelis, Alexander D.; Coats, John H.; and Sebek, Oldrich K., 3,812,096.
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Coats, John H.; Meyer, Curtis E.; and Reusser, Fritz, to Upjohn Company, The. Alamethicin and production therefor. 3,833,723, 9-3-74, Cl. 424-118.000.
Coats, Robert Reid: *See—*
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Coats, Robert Reid; and Greenway, John Michael, to Imperial Chemical Industries Limited. Apparatus for stringing a thread through a hole. 3,823,631, 7-16-74, Cl. 83-100.000.
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Cobarg, Claus Christian; and Schindler, Hans, to Braun Aktiengesellschaft. Operating means for electro-mechanically ignited lighters. 3,808,741, 5-7-74, Cl. 431-256.000.

Cobarg, Claus Christian, to Braun Aktiengesellschaft. Electrically operated dryshaver. 3,813,774, 6-4-74, Cl. 30-43.900.
Cobarg, Claus-Christian; and Steuernagel, Gerhard, to Braun Aktiengesellschaft. Portable cigerette lighter with an electro-magnetic generator. 3,822,395, 7-2-74, Cl. 317-81.000.
Cobaugh, Robert F.; and Shannon, Suel G., to AMP Incorporated. Spring socket electrical connecting device integral with a carrier strip. 3,803,537, 4-9-74, Cl. 339-256.00r.
Cobaugh, Robert Franklin: *See—*
Coller, James Ray; and Cobaugh, Robert Franklin, 3,858,153.
Cobaugh, Robert Franklin; and Parmer, Kenneth Ronald, to AMP Incorporated. Method of fabricating selectively applied flowable solder joints. 3,849,870, 11-26-74, Cl. 29-482.000.
Cobaugh, Robert Franklin; and Heisey, Jay Marlin, to AMP Incorporated. Stamped and formed post and miniature spring receptacle. 3,850,500, 11-26-74, Cl. 339-258.00r.
Cobb, Austell C. A.: *See—*
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Cobb, Carolus M., to American Science & Engineering, Inc. Detecting malignant cells. 3,857,033, 12-24-74, Cl. 250-303.000.
Cobb, Clyde C., to American Screen Process Equipment Company. Automatic multi-color printing arrangement. 3,812,779, 5-28-74, Cl. 101-115.000.
Cobb, David A., to International Harvester Company. Sheet metal compression ring. 3,843,138, 10-22-74, Cl. 277-22.000.
Cobb, Delwin E.; and Stemler, Orrin A., to Caterpillar Tractor Company. Loader mounted material fracturing device. 3,805,897, 4-23-74, Cl. 173-100.000.
Cobb, Donald E., to Lee, Raymond, Organization, Inc., The. Infant bed for use on horseback. 3,845,512, 11-5-74, Cl. 5-82.000.
Cobb, Douglas R.: *See—*
Walker, Walter P.; Cobb, Douglas R.; and Cofer, Frank H., Jr., 3,809,810.
Cobb, Earnest G.; and Reasnor, Larry J. Kamp-top. 3,819,223, 6-25-74, Cl. 296-26.000.
Cobb, Gary W.: *See—*
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Cobb, Harold W., to Dennison Manufacturing Company. Document feeding mechanism. 3,799,537, 3-26-74, Cl. 271-3.000.
Cobb, Jesse M.; and Schaad, William J., to Indak Manufacturing Corporation. Vehicular rotary electrical switch assembly with removable interposed non-conductive plug kill switch means. 3,849,612, 11-19-74, Cl. 200-11.00j.
Cobb, Raymond L.: *See—*
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Cobb, Raymond L., to Phillips Petroleum Company. 2-Amino-2-benzylthio-methyl-1,3-alkanediols. 3,843,726, 10-22-74, Cl. 260-570.50s.
Cobb, Raymond L., to Phillips Petroleum Company. Aluminum phosphate-promoted catalysts for the ammonialytic cleavage of lactams. 3,855,267, 12-17-74, Cl. 260-465.200.
Cobb, Raymond P., to Caterpillar Tractor Company. Flexible band bearing for torque converter element. 3,841,094, 10-15-74, Cl. 60-339.000.
Cobb, Richard O.; and Moore, Albert C., to International Business Machines Corporation. Technique for the conversion of digital form of interspersed symbolic and graphic data. 3,805,237, 4-16-74, Cl. 340-146.30h.
Cobb, Richard O.; and Lipp, James, to International Business Machines Corporation. Edge locating apparatus. 3,835,998, 9-17-74, Cl. 209-111.700.
Cobb, Roy L. Portable pole. 3,823,832, 7-16-74, Cl. 211-119.010.
Cobb, Wayne E. Grain spreader. 3,791,592, 2-12-74, Cl. 239-666.000.
Cobb, Westray Stewart. Cutting board. 3,837,634, 9-24-74, Cl. 269-289.000.
Cobbe, Daniel W., to M&O Metal Products. Spot welding machine. 3,840,719, 10-8-74, Cl. 219-80.000.
Cobbledick, David S.: *See—*
Norman, Arthur J.; and Cobbledick, David S., 3,810,851.
Cobbledick, David S., to General Tire & Rubber Company, The. Heat compressible polyetherurethane foams. 3,801,687, 4-2-74, Cl. 264-54.000.
COBER di Cristofanelli Pietro e Covini Lorenzo S.n.c.: *See—*
Covini, Lorenzo, 3,840,240.
Coberley, Daniel A., to Hurletron Incorporated. Rotary position detector machine control system. 3,812,351, 5-21-74, Cl. 250-231.0se.
Coberley, Daniel A., to Hurletron Incorporated. Industrial machine controller. 3,813,524, 5-28-74, Cl. 235-92.00t.
Coblentz, Michel: *See—*
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Coburn Optical Industries, Inc.: *See—*
Coburn, Orin W.; and Stith, Joe D., 3,794,314.
Coburn, Orin W.; and Stith, Joe D., 3,831,236.
Coburn, Orin W.; and Stith, Joe D., to Coburn Optical Industries, Inc. Vacuum chuck for opthalmic lens finishing machinery. 3,794,314, 2-26-74, Cl. 269-21.000.
Coburn, Orin W.; and Stith, Joe D., to Coburn Optical Industries, Inc. Cup-shaped cutting tool having cutting teeth. 3,831,236, 8-27-74, Cl. 29-103.00r.
Coburn, Theodore Robert: *See—*
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Cobzariu, Tudor: *See—*
Dogariu, Maria; Alupei, Georgeta; Verdes, Maria; Friedman, Gaby; Grumeza, Ecaterina; Cobzariu, Tudor; and Ionescu, Ligia, 3,798,127.
Cobzaru, Aurel, to PETROCHIM Institul deCercetari Pentru Chimizarea Petrolului. Process for improving the active-alumina catalyst properties. 3,839,230, 10-1-74, Cl. 252-463.000.
Coca-Cola Company, The: *See—*
Craft, James Pressley, III, 3,786,947.
Doheny, William Michael, 3,785,669.
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Heenan, Richard H.; and Litsinger, George M., 3,825,186.
Huffman, Carl Franklin, 3,801,717.
Wurl, Wilhelm, 3,812,991.
Cocca, Theadore, to Spacetac Incorporated. Crossover junction. 3,806,629, 4-23-74, Cl. 174-68.500.
Cocca, Theodore F.; and Sanders, Paul J., to Spacetac Incorporated. Method of making resistor. 3,787,965, 1-29-74, Cl. 29-620.000.
Cochran, Burton L.; and Stein, William B., to Warner & Swasey Company, The. Cartridge-type cutoff and grooving tool. 3,825,981, 7-30-74, Cl. 29-96.000.
Cochran, Chudleigh B.: *See—*
Brown, Cicero C.; and Cochran, Chudleigh B., 3,826,307.
Cochran, Chudleigh B., to Brown Oil Tools, Inc. Telescoping displacement joint. 3,791,449, 2-12-74, Cl. 166-312.000.
Cochran, Chudleigh B., to Brown Oil Tools, Inc. Method and apparatus for evacuating drilling fluids from a well. 3,799,268, 3-26-74, Cl. 166-313.000.
Cochran, David S., to Hewlett-Packard Company. Synchronized time delay circuit. 3,800,168, 3-26-74, Cl. 307-290.000.
Cochran, Gary D.; Crosby, David A.; and Franken, Peter A., to CFC Products, Inc. Dynamic tomography with movable table. 3,809,886, 5-7-74, Cl. 250-323.000.
Cochran, Gary D.; Crosby, David A.; Franken, Peter A.; and Crabtree, Lloyd O., to CFC Products, Inc. Film cutter and viewer for dynamic tomography. 3,830,128, 8-20-74, Cl. 83-451.000.
Cochran, Gayle. Cutout forms for concrete fence construction. 3,844,522, 10-29-74, Cl. 249-19.000.
Cochran, J. Richard; and Altnau, Ronald L., to McGraw-Edison Company. Conical spring disk braking mechanism. 3,838,755, 10-1-74, Cl. 188-166.000.
Cochran, J. Richard, to McGraw-Edison Company. Washing machine transmission system. 3,845,642, 11-5-74, Cl. 68-23.700.
Cochran, Ronald; Federle, August J.; and Marsh, Samuel W., III, to Owens-Illinois, Inc. Pushup gauge. 3,823,822, 7-16-74, Cl. 209-80.000.
Cochran, Stanley Robert, to Du Pont de Nemours, E. I., and Company. Method for stringing up a rotating package holder. 3,813,864, 6-4-74, Cl. 57-34.0tt.
Cochran, Stanley Robert; and Johnson, Melvin Harry, to Du Pont de Nemours, E. I., and Company. Process for texturing yarn by gear crimping. 3,833,976, 9-10-74, Cl. 28-72.150.
Cochran, Thomas L., Jr., to American Air Filter Company, Inc. Freeze protection device in heat pump system. 3,823,572, 7-16-74, Cl. 62-160.000.
Cochran Western Corporation: *See—*
Duerksen, Arnold, 3,800,556.
Duerksen, Arnold, 3,806,160.
Cochran, William R.; and Heiling, Gerald M., to International Business Machines Corporation. Digitally compensated scanning system. 3,800,078, 3-26-74, Cl. 178-7.100.
Cochran-Boothe Airport Systems: *See—*
Carder, Victor H., 3,854,610.
Cochrane, Kenneth Alfred; and Holloway, Robert Geofrey, to McGregor, Robert, & Sons Limited. Device for introducing rods, dowels or the like into concrete paved carriageways. 3,849,016, 11-19-74, Cl. 404-100.000.
Cochrane, Peter R., to General Electric Company. Forced contact electrical connector. 3,855,568, 12-17-74, Cl. 339-95.00r.
Cochrane, Ralph W.: *See—*
Czopor, Edmund J.; Newton, Joseph; Cochrane, Ralph W.; and Mazur, Stan T., 3,798,723.
Cochrane, Robin Adam, to Girling Limited. Hydraulic flow control valve assemblies. 3,812,675, 5-28-74, Cl. 60-413.000.
Cochrane, Robin Adam, to Girling Limited. Improvements in pressure-responsive valve assemblies. 3,848,619, 11-19-74, Cl. 137-116.000.
Cocita, Arliene N. Elastomeric pump. 3,820,689, 6-28-74, Cl. 222-207.000.
Cocjin, Diosdado L. Mechanical Christmas tree manifested by its rotating motion and the undulation of its branches. 3,806,399, 4-23-74, Cl. 161-24.000.
Cocke, John; and Helman, David R., to International Business Machines Corporation. Data processing system memory relocating apparatus and method. 3,800,291, 3-26-74, Cl. 340-172.500.

Cocker, Bernice, 20% interest to Lee, Raymond, Organization, Inc., The. Combination end table, magazine rack and step ladder. 3,811,533, 5-21-74, Cl. 182-28.000.
Cockerell, David, to Electronic Music Studios (London) Limited. Data input devices. 3,836,909, 9-17-74, Cl. 340-365.00c.
Cockerill-Ougree-Providence et Esperance-Longdoz en Abrege: *See*—
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Streel, Dominique Thomas Francois Leon, 3,804,059.
Cockerton, Kenneth Archibald: *See*—
Lee, Edward William; Tatchell, Keith Reid; Challis, Kenneth John; and Cockerton, Kenneth Archibald, 3,833,405.
Cockin, Robert, to Lucas, Joseph, (Electrical) Limited. Stator assemblies for dynamo electric machines. 3,845,647, 11-5-74, Cl. 72-137.000.
Cockman, Arthur G.: *See*—
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Cockreham, Harry: *See*—
Turner, Leslie C.; and Cockreham, Harry, 3,824,937.
Cockrell, Darryl W., to Baker Oil Tools, Inc. Sub-surface safety valve with improved balancing valve means. 3,830,297, 8-20-74, Cl. 166-244.00s.
Cockrum, Raymond C. Working barrel rack. 3,827,572, 8-6-74, Cl. 211-81.000.
Cocks, Franklin H.; and Bates, Herbert E., to Tyco Laboratories, Inc. Improvements in and morintings for radiation detecting devices. 3,784,860, 1-8-74, Cl. 313-93.000.
Cockshott, Charles Peter: *See*—
Wright, Maurice James; and Cockshott, Charles Peter, 3,846,061.
Cocozella, Anthony J. Finger-actuated snap open caps for bottles collapsible tubes and the like. 3,785,538, 1-15-74, Cl. 222-490.000.
Cocozza, Salvatore, to I.S.F. S.p.A. Inhaling device for medicinal powder compositions. 3,807,400, 4-30-74, Cl. 128-266.000.
Cocroft, Kelly H., to Skytram Systems, Inc. Aerial tramway vehicle drive and control system. 3,854,407, 12-17-74, Cl. 104-112.000.
Cocroft, Kelly H., to Skytram Systems, Inc. Aerial tramway drive assembly. 3,854,419, 12-17-74, Cl. 105-153.000.
Cocuzza, Giacchino; and Calcagno, Benedetto, to Societa' Italiana Resine S.I.R. S.p.A. Process for recovering ethylene oxide. 3,856,484, 12-24-74, Cl. 55-48.000.
Cocuzza, Gioacchino, to Societa' Italiana Resine S.I.R. S.p.A. Process for the separation of monoethanolamine, diethanolamine, and triethanolamine from crude ethanolamine mixtures. 3,849,262, 11-19-74, Cl. 203-38.000.
Codata Corporation: *See*—
Dorfman, Bertrand; and Lizzio, N. John, 3,818,481.
Codding, Harold E.: *See*—
Pyzel, Ewald D.; and Codding, Harold E., 3,852,896.
Codet, Georgis; Dawans, Francois; De Charentenay, Francois-Xavier; and Teyssie, Philippe, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for polymerizing conjugated diolefins using organic compounds of the transition metals as catalsts. 3,836,444, 9-17-74, Cl. 204-159.240.
Codina, Jorge G., to Combined Sciences Corporation. Optical monitor. 3,827,810, 8-6-74, Cl. 356-201.000.
Codman & Shurtleff, Inc.: *See*—
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Reimels, Harry G., 3,837,950.
Codo, Edward A., to Caterpillar Tractor Company. Drain valve and hose for draining oil reservoirs. 3,806,085, 4-23-74, Cl. 251-144.000.
Codorniu, Francisco Lorente, to Nordiska Maskinfilt Aktiebolaget. Machine cloth for the paper or cellulose industries. 3,815,645, 6-11-74, Cl. 139-383.00a.
Codrino, Giuseppe. Control unit for lights, direction indicators, and windshield wiper. 3,784,770, 1-8-74, Cl. 200-61.360.
Codrino, Giuseppe. Terminal fastener for light-guide cables. 3,806,225, 4-23-74, Cl. 350-96.00b.
Codrino, Giuseppe. Terminals of electrical equipment and ribbon-like leads. 3,828,300, 8-6-74, Cl. 339-74.00r.
Codrino, Giuseppe. Device for the electrical connection between cables and ribbon-like. 3,836,940, 9-17-74, Cl. 339-91.00r.
Cody, Regina J.: *See*—
Pilloff, Herschel S.; and Cody, Regina J., 3,840,823.
Cody, Robert Aurand: *See*—
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Cody, Thomas E.; Davison, Arthur L.; Grohowski, Joseph A.; Horvath, Geza J.; and Linde, Theodore R., to Bethlehem Steel Corporation. Portable flame photometer and sampling probe. 3,791,743, 2-12-74, Cl. 356-187.000.
Coe, Cyril Walter: *See*—
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Coe, Roger Frank, to Lucas, Joseph (Industries) Limited. Method of producing a pair of silicon. 3,819,787, 6-25-74, Cl. 264-65.000.
Coe, Roger Frank; and Lumby, Roland John, to Lucas, Joseph, (Industries) Limited. Silicon nitride products. 3,835,211, 9-10-74, Cl. 264-66.000.
Coe, Ronald J., to SCI Systems, Inc. Ground fault-sensitive detector and circuit breaker device. 3,787,709, 1-22-74, Cl. 317-18.00d.
Coe, Warren B.; and Davenport, Arthur K., to United Aircraft Corporation. Process for recovering feed products from animal waste. 3,838,199, 9-24-74, Cl. 426-55.000.
Coe, William H., to Keystone Consolidated Industries, Inc. Integral spring and cam unit. 3,837,043, 9-24-74, Cl. 16-180.000.
Coen Company: *See*—
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Coenen, John Stephen; and Hunt, Ronald Eugene, to International Business Machines Corporation. Switching apparatus for single button hand microphone. 3,822,372, 7-2-74, Cl. 200-157.000.
Coenen, Renier Gertruda Hubertus; Kuiper, Adrianus; and Collaris, Maria Antonius Alphonsus Andreas, to U.S. Philips Corporation. Method of electrophoretically covering helically wound heating wires with an insulating layer. 3,794,593, 2-26-74, Cl. 204-181.00.
Coenen, Willem Frans. Seat belt. 3,833,239, 9-3-74, Cl. 280-150.0sb.
Coes, Loring, Jr., to Norton Company. Segmental cut-off wheel. 3,795,078, 3-5-74, Cl. 51-206.500.
Coes, Loring, Jr., to Norton Company. Method and means of grinding with electrophoretic assistance. 3,823,515, 7-16-74, Cl. 51-322.000.
Coets, Christian, to Centre de Recherches Metallurgiques - Centrum voor Research In de Metallurgie. Processes for the conversion of iron into steel. 3,801,304, 4-2-74, Cl. 75-60.000.
Coeurderoy, Yves G., to Societe Anonyme. Grab buckets. 3,814,471, 6-4-74, Cl. 294-70.000.
Cofek, Henry R., to Geisco Associates. Photo-detector for optical inspection system. 3,849,004, 11-19-74, Cl. 356-200.000.
Cofer, Daniel B.; Chia, Enrique Calixto; Burnitt, John E.; and Kaltenberg, Theodor W., to Southwire Company. Continuous pickling of cast rod. 3,806,366, 4-23-74, Cl. 134-3.000.
Cofer, Daniel B.; and Betterton, Bruce E., to Southwire Company. Method and apparatus for detecting incipient short circuit conditions in electrolytic cells. 3,809,902, 5-7-74, Cl. 250-338.000.
Cofer, Frank H., Jr.: *See*—
Walker, Walter P.; Cobb, Douglas R.; and Cofer, Frank H., Jr., 3,809,810.
Coffay, John B.: *See*—
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Coffelt, James D.: *See*—
Rhinehart, Vance E.; Coffelt, James D.; and Yother, Floyd G., 3,785,345.
Coffen, David; and Fryer, Rodney, to Hoffmann-La Roche Inc. 2-Substituted-3H-1,4-benzodiazepines. 3,849,399, 11-19-74, Cl. 260-239.0bd.
Coffen, David Llewellyn; and Fryer, Rodney Ian, to Hoffmann-La Roche Inc. Process for preparing triazolobenzodiazepines. 3,849,434, 11-19-74, Cl. 260-308.00r.
Coffen, David Llewellyn; and Katonak, David Allen, to Hoffmann-La Roche Inc. 6,7,8,9-Tetrahydro-7α,11α-ethanooxyindolo [1,2-H][1,7]naphthyridin-10(11H)-ones. 3,850,934, 11-26-74, Cl. 260-293.530.
Coffen, David Llewellyn; and Fryer, Rodney I., to Hoffmann-La Roche Inc. Certain 3a,4 dihydro-8-chloro-6-phenylthiozolo (3,2H) -1,4-benzodeazepin-1 (2H0-ones). 3,850,948, 11-26-74, Cl. 260-306.70r.
Coffey, Charles A., to Harris Paint Company. Spray head. 3,806,028, 4-23-74, Cl. 239-1.000.
Coffey, Charles A.; and Catena, Michael J., to Harris Paint Company. Sprayer for decorating surfaces. 3,819,119, 6-25-74, Cl. 239-337.000.
Coffey, Eugene R. Trailer type mole unit. 3,849,999, 11-26-74, Cl. 61-72.600.
Coffey, James M.; and Lang, Clifford H., to Cybergenics Inc. Clutch with vacuum release motor. 3,841,449, 10-15-74, Cl. 192-3.590.
Coffey, James P.; and Duddy, Joseph C., to ESB Incorporated. Solar still and the like. 3,785,931, 1-15-74, Cl. 202-234.000.
Coffield, Thomas H.; Gistous, Chaumont; and Keblys, Kestutis A., to Ethyl Corporation. Hydrometallurgical process. 3,804,614, 4-16-74, Cl. 75-103.000.
Coffin, Harry S., to Control Valve Corporation. Printed circuit card component removal apparatus. 3,834,605, 9-10-74, Cl. 228-20.000.
Coffin, Harry S., to Computer Peripherals, Inc. Method of assembling semiconductor devices. 3,849,873, 11-26-74, Cl. 29-576.000.
Coffin, Lamar D.: *See*—
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Coffin, Leon B.: *See*—
Lawrence, Willis G.; and Coffin, Leon B., 3,824,112.
Coffman, Homer R. Cementitious precast construction unit. 3,817,289, 6-18-74, Cl. 138-515.000.

Coffman, Moody L. Illuminating device. 3,831,023, 8-20-74, Cl. 240-106.00r.
Coffman, Rudleigh G. Coaxial connector with integral switched terminating resistor. 3,784,950, 1-8-74, Cl. 338-200.000.
Coffman, Rudleigh G. Toilet tank discharge control for selectively discharging variable amounts of water. 3,823,425, 7-16-74, Cl. 4-53.000.
Cofield, Eugene P., Jr.; and Rowe, Richard G., to Scripto, Inc. Fingerprint apparatus. 3,851,619, 12-3-74, Cl. 118-31.500.
Cogan, Frederick Thomas: *See*—
Morrell, Ronald Joseph; Gumb, Bev William; Laing, Graham Sterling; and Cogan, Frederick Thomas, 3,838,229.
Cogan, Michael S.: *See*—
Willard, David G.; Cogan, Michael S.; Vacherot, Maurice G.; and Shay, John W., 3,851,104.
Cogar Corporation: *See*—
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Allen, Charles A.; Bryant, Richard W.; Delaney, Thomas J.; Dhaka, Vir A.; Meade, Robert M.; and Wharmby, James D., 3,787,837.
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Chough, Euiwon; Deverse, Frank T.; Konrad, Franz; Kurtz, John A.; and Manchester, Russell C., 3,809,050.
Cogar, George R.; and Huyck, Arnold G., 3,794,980.
Finster, Leslie P.; Petkovsek, Richard J.; and Reader, Trevor D., 3,788,571.
Reuter, James L.; and Sandhu, Jagtar S., 3,828,722.
Titus, Robert J.; and Kelly, William J., 3,848,155.
Valli, Henry M.; and Wharmby, James D., 3,805,487.
Cogar, George R.; and Huyck, Arnold G., to Cogar Corporation. Apparatus and method for controlling sequential execution of instructions and nesting of subroutines in a data processor. 3,794,980, 2-26-74, Cl. 340-172.500.
Cogar, George R.; Sekse, Torkjell; Banziger, Walter; Ming, Joseph W.; and Horvath, Laszlo, to Mohawk Data Sciences Corporation. Backspace mechanism for a tape handling apparatus for a data recorder. 3,807,614, 4-30-74, Cl. 226-49.000.
Cogas Development Company, mesne: *See*—
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Cogger, John F.: *See*—
Unfried, Happy H.; and Cogger, John F., 3,848,514.
Coggeshall, John C., 25% to Blowitz, Milroy R., 25% to Pastin, Max and 50% to Magnor, Inc. Blood analyzer. 3,785,772, 1-15-74, Cl. 23-253.00r.
Coggon, Philip: *See*—
Sanderson, Gary Warner; and Coggon, Philip, 3,812,266.
Coghill, Timothy L., to Precision Metalsmiths, Inc. Metal casting apparatus with means for evacuating mold chamber and fouring chamber. 3,800,851, 4-2-74, Cl. 164-255.000.
Cogley, James J. Vascular clamp and forceps system. 3,805,792, 4-23-74, Cl. 128-325.000.
Cogley, James J.; and Markham, Harold A. Package for storing and dispensing liquids. 3,838,794, 10-1-74, Cl. 222-95.000.
Cogliano, Joseph A., to Grace, W. R., & Co. Continuous process for making low density thermoplastic foam. 3,822,331, 7-2-74, Cl. 264-51.000.
Cogliano, Joseph A., to Grace, W. R., & Co. Process for forming a strippable coating. 3,823,024, 7-9-74, Cl. 117-6.000.
Cognacq, Jean-Claude: *See*—
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Cognacq, Jean-Claude, to Societe Anonyme dite: Hexachimie. Piperidinoethyl and piperidinoethoxyethyl esters of 2,2-diarylcyclopropane-carboxylic acids. 3,846,436, 11-5-74, Cl. 260-293.820.
Cognard, Georges: *See*—
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Cohen, Abraham B.; and Tobias, Herbert A., to Du Pont de Nemours, E. I., and Company. Process and apparatus for delaminating an adherent receptor sheet on a sensitized element. 3,794,546, 2-26-74, Cl. 156-344.000.
Cohen, Alfred. Apparatus for determining organic carbon content of polluted liquids. 3,854,881, 12-17-74, Cl. 23-253.0pc.
Cohen, Amnon Mordechai, to Polak's Frutal Works N.V. Alicyclic diketones and process for their manufacture. 3,845,133, 10-29-74, Cl. 260-586.00r.
Cohen, Arnold. Reflective light box. 3,840,732, 10-8-74, Cl. 240-10.00r.
Cohen, Arthur M., to Airpot Corporation. Damping dashpot assembly. 3,799,299, 3-26-74, Cl. 188-282.000.
Cohen, Arthur M., to Airpot Corporation. Dashpot assembly with sheath having built-in valve. 3,800,921, 4-2-74, Cl. 188-298.000.
Cohen, Arthur M. Means for arranging data. 3,828,453, 8-13-74, Cl. 40-19.500.
Cohen, Choua; Giuliani, Pierre; and Sillion, Bernard, to Institut Francais du Petrole des Carburants et Lubrifiants. Aromatic polyimides comprising carbinol groups, their manufacture and uses. 3,793,291, 2-19-74, Cl. 260-47.0cp.
Cohen, David J. Electrically operated coin box lock. 3,795,417, 3-5-74, Cl. 292-144.000.
Cohen, David J., to Smith, A. O., Corporation. Vehicle door proximity detector system. 3,845,843, 11-5-74, Cl. 187-29.00r.
Cohen, Edgar A., to Columbia Pictures Industries, Inc. Music stave. 3,817,145, 6-18-74, Cl. 84-471.000.
Cohen, Edwin J. Arched building assembly formed of resilently, flexible members. 3,849,953, 11-26-74, Cl. 52-86.000.
Cohen, Eli. Sun visor accessory. 3,809,428, 5-7-74, Cl. 296-97.00c.
Cohen, Elie. Method of making a cast guide for folding flexible sheets. 3,822,335, 7-2-74, Cl. 264-219.000.
Cohen, Elliott; Sloboda, Adolph Edward; Osterberg, Arnold Curtis; and Child, Ralph Grassing, to American Cyanamid Company. Compositions of 4-biphenyl acetic acid and method of use. 3,784,704, 1-8-74, Cl. 424-317.000.
Cohen, Elliott; and Paul, Rolf, to American Cyanamid Company. Levo 1-amino-3-chloro-2-propanol and acid addition salts thereof. 3,855,283, 12-17-74, Cl. 260-501.170.
Cohen, Ernest S.; and Shubert, Roland H., to United States of America, Interior. Magnetite coating composition. 3,826,667, 7-30-74, Cl. 106-259.000.
Cohen, Fredric S., to Polaroid Corporation. Light-polarizing element. 3,846,013, 11-5-74, Cl. 350-147.000.
Cohen, Harold; and Noto, William L., to Shop-Rite Supermarkets, Inc. Shopping cart with article storage preventing means under basket. 3,829,114, 8-13-74, Cl. 280-33.99r.
Cohen, Harry, 20% to Lee, Raymond, Organization, Inc., The. Plumb bob and level. 3,854,218, 12-17-74, Cl. 33-358.000.
Cohen, Harvey K. Filter and water recirculation system. 3,850,806, 11-26-74, Cl. 210-169.000.
Cohen, Herbert: *See*—
Burian, Paul D.; Impellizzeri, Julius S.; Cohen, Herbert; and Hahn, Steven, 3,802,698.
Cohen, Herman. Frozen food defrosting indicator. 3,844,718, 10-29-74, Cl. 23-253.0tp.
Cohen, Howard. Calibrated bracket securing means. 3,787,976, 1-29-74, Cl. 32-14.00a.
Cohen, Hyman L.; King, James R., Jr.; and Minsk, Louis M. Novel polymers and photographic elements containing same. 3,788,855, 1-29-74, Cl. 96-84.00r.
Cohen, Jacques; and Zwingle, Claude, to La Telemecanique Electrique. Setting and triggering device for thermal relay. 3,839,691, 10-1-74, Cl. 337-132.000.
Cohen, John B.; Janson, Paul E.; and McFarland, Harold L., Jr., to Digital Equipment Corporation. Data processing system. 3,815,099, 6-4-74, Cl. 340-172.500.
Cohen, Joseph: *See*—
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Collier, John Richard; and Porter, Alan Sidney, to Albright & Wilson Limited. Chroman-3-ols. 3,842,093, 10-15-74, Cl. 260-345.200.
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Collins, Henry R., Jr. Composite sampler method and apparatus. 3,798,972, 3-26-74, Cl. 73-422.0tc.
Collins, Howard W. Floating roof deck construction. 3,849,956, 11-26-74, Cl. 52-376.000.
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Collins, Leslie C.; and Smith, Arthur W., to Eastern Rotorcraft Corporation. Cable reel spring installation. 3,785,464, 1-15-74, Cl. 191-12.20r.
Collins, Lloyd O.: *See—*
Edge, Billy J.; and Collins, Lloyd O., 3,783,939.
Collins Machinery Corporation: *See—*
Birkestrand, Orville J.; and Haas, John L., 3,820,180.
Collins, Martin F.; and Michalek, Romuald, to Engelhard Minerals & Chemicals Corporation. Purification of waste gases containing oxides of nitrogen and oxygen. 3,808,323, 4-30-74, Cl. 423-219.000.
Collins, Michael Henry, to Searle, G. D., & Co., Ltd. Method of bonding a balloon sleeve to a catheter lumen tube. 3,850,720, 11-26-74, Cl. 156-155.000.
Collins, Neil E.; and Neville, Raymond R., to General Electric Company. Solid state lamp construction. 3,805,347, 4-23-74, Cl. 29-25.130.
Collins, Paul W.; and Pappo, Raphael, to Searle, G. D., & Co. Manufacture of 2-(3-hydroxy-3-optionally alkylated-1-alkynyl)-3-hydroxy-5-oxocyclopent-1-enealkanoic acids and esters. 3,787,449, 1-22-74, Cl. 260-345.700.
Collins Radio Company: *See—*
Bass, Larry F., 3,787,785.
Fassett, John R., 3,823,015.
Foster, Jimmie J. L.; and Schultz, Elmer J., 3,805,235.
Frazier, Melvin A., 3,842,358.
Griffee, Leslie V.; and Anderson, Mardis V., 3,811,127.
Guillot, Joseph M., Jr., 3,848,078.
Hall, John C.; and Tribuno, Robert F., 3,816,718.
Hattendorf, Edwin R., 3,809,867.
Hungerford, Laurence D.; and Marshall, Clarence G., 3,810,100.
Johnson, Frederick W., 3,836,935.
Lundgreen, Michael W., 3,833,855.
Manke, Girard M.; Tribuno, Robert; Hattendorf, Edwin R.; and Schuldt, Theodore J., Jr., 3,805,033.
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Schultz, Elmer L.; Tribuno, Robert F.; Hall, John C.; and Schuldt, Theodore J., Jr., 3,837,603.
Semrad, Lawrence J., 3,807,010.
Steen, Carl E., 3,836,797.
Stephens, Raymond A., 3,809,819.
Stover, Harris A., 3,810,018.
Stover, Harris A., 3,831,094.
Stump, Theodore M.; and Williford, Jerry G., 3,794,928.
Tribuno, Robert F.; and Foster, Jimmie L., 3,815,850.
Williford, Jerry G., 3,826,999.
Collins, Robert F., to Kendall Company, The, mesne. Waterproof body converings with fluid receiving pockets. 3,791,382, 2-12-74, Cl. 128-132.00d.
Collins, Robert F., to Kendall Company, The. Multiple purpose drape. 3,799,161, 3-26-74, Cl. 128-132.00d.
Collins, Robert F., to Kendall Company, The. Surgical drape with protected access opening. 3,800,790, 4-2-74, Cl. 128-132.00d.
Collins, Robert J., to Upjohn Company, The. Animal feed for obtaining increased production in animals. 3,786,149, 1-15-74, Cl. 424-269.000.
Collins, Robert J., to Upjohn Company, The. Animal feed and process. 3,803,313, 4-9-74, Cl. 424-251.000.
Collins, Robert J., to Upjohn Company, The. Animal feed and process. 3,803,315, 4-9-74, Cl. 424-269.000.
Collins, Robert J., to Upjohn Company, The. Animal feed and process. 3,812,259, 5-21-74, Cl. 424-269.000.
Collins, Robert J. Animal feed and process. 3,836,660, 9-17-74, Cl. 424-269.000.
Collins, Robert J. Animal feed and process. 3,836,661, 9-17-74, Cl. 424-269.000.
Collins, Robert J. Animal feed and process. 3,836,662, 9-17-74, Cl. 424-269.000.
Collins, Robert J. Animal feed and process. 3,840,664, 10-8-74, Cl. 424-269.000.
Collins, Robert L., Jr.: *See—*
Carr, Richard T.; and Collins, Robert L., Jr., 3,805,448.
Collins, Ronald J. Stethoscope receptacle. 3,797,717, 3-19-74, Cl. 224-5.00h.
Collins, S. J.: *See—*
Gilmore, Oscar P., 3,817,317.
Collins, Samuel C., to Cryogenic Technology, Inc. Helium purification method and apparatus. 3,792,591, 2-19-74, Cl. 62-40.000.
Collins, Thomas E.; and Lee, John H., to Minnesota Mining and Manufacturing Company. Security system and control circuit. 3,839,711, 10-1-74, Cl. 340-286.000.
Collins, Thomas Robert Stephen: *See—*
Garner, Paul Johnson; and Collins, Thomas Robert Stephen, 3,784,152.
Garner, Paul Johnson; and Collins, Thomas Robert Stephen, 3,811,175.
Collins, Walter Wells, to Adventure Products, Inc. Apparel belt. 3,823,421, 7-16-74, Cl. 2-321.000.
Collins, Wayne I., to Eastman Kodak Company. Magazine for a reel. 3,820,738, 6-28-74, Cl. 242-197.000.
Collins, William O. Method and apparatus for recovering gold. 3,799,334, 3-26-74, Cl. 209-11.000.
Collinson, John Dunn, to Rank Organisation Limited, The. Electro-acoustic transducers. 3,833,771, 9-3-74, Cl. 179-115.5pv.
Collis, Raymond D.: *See—*
Meyer, Martin H.; and Collis, Raymond D., 3,839,986.
Collis, Raymond D.; and Meyer, Martin H., to Outboard Marine Corporation. Tilt position indicator. 3,844,247, 10-29-74, Cl. 115-41.0ht.
Collision Devices, Inc.: *See—*
Sobel, Leonard H., 3,784,182.
Collmann GmbH & Co. Spezialmaschinenbau KG: *See—*
Collmann, Wilhelm; and Goldner, Udo, 3,793,526.
Steffel, Horst, 3,809,900.
Collmann, Wilhelm; and Goldner, Udo, to Collmann GmbH & Co. Spezialmaschinenbau KG. Apparatus for the simultaneous X-ray examination of both side walls of a motor vehicle tire. 3,793,526, 2-19-74, Cl. 250-360.000.
Collmann, Wilhelm. Tire removal apparatus. 3,853,165, 12-10-74, Cl. 157-1.200.
Colln, Reimer; Hammann, Ingeborg; Unterstenhafer, Gunter; and Behrenz, Wolfgang, to Bayer Aktiengesellschaft. Thionothiolphosphoric acid O,S-diester amides. 3,787,539, 1-22-74, Cl. 260-959.000.
Colln, Reimer, to Bayer Aktiengesellschaft. Preparation of N-unsubstituted (thiono)-(thiol)-phosphoric (phosphonic) acid O-ester mono-amides. 3,813,457, 5-28-74, Cl. 260-971.000.
Colln, Reimer, to Bayer Aktiengesellschaft. Process for the preparation of thiolphosphoric acid O,S-dialkyl ester amides. 3,839,512, 10-1-74, Cl. 260-973.000.
Colln, Reimer; Hammann, Ingeborg; and Unterstenhofer, Gunter, to Bayer Aktiengesellschaft. O-pyrazolopyrimidine-(thiono)-phosphoric-(phosphonic or phosphinic)-acid esters or ester-amides. 3,840,541, 10-8-74, Cl. 260-256.50r.
Colln, Reimer; Hofer, Wolfgang; Maurer, Fritz; and Rohe, Lothar, to Bayer Aktiengesellschaft. O-Ethyl-O-(3-methyl-4-methylmercaptophenyl)-phosphoric acid diester chloride. 3,849,524, 11-19-74, Cl. 260-949.000.
Colloids, Inc.: *See—*
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Collomosse, Herbert; and Bacon, Patrick Albert Henry, to Newmark, Louis, Limited. Pattern control system for controlling textile machinery. 3,790,704, 2-5-74, Cl. 178-6.800.
Collura, Peter C.; and Kipp, Michael Allen, to Container Corporation of America. Display carton. 3,847,282, 11-12-74, Cl. 206-491.000.
Colman, John M.: *See—*
Hagopian, Nubar D.; and Colman, John M., 3,786,802.
Lerch, Donald C.; and Colman, John M., 3,795,242.
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Colodense Limited: *See—*
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Colodney, Daniel, to Colgate-Palmolive Company. Method of preparing stable dentifrice. 3,842,168, 10-15-74, Cl. 424-52.000.
Colomb, Henry Octave, Jr.; Trecker, David John; and Brotherton, Thomas Kemper, to Union Carbide Corporation. Radiation curable dinorbornene compositions. 3,789,042, 1-29-74, Cl. 260-17.4cl.
Colomb, Henry Octave, Jr.; and Trecker, David John, to Union Carbide Corporation. Radiation convertible norbornene polymers. 3,836,509, 9-17-74, Cl. 260-77.5bb.
Colombo, Arturo, to Sitam Societa' Industriale Telai Automatici Milano S.r.l. Fastener. 3,812,556, 5-28-74, Cl. 24-230.0ak.
Colombo, Gregory R.: *See*—
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Ligorati, Ferdinando; Colombo, Paolo; and Galliverti, Marco, 3,840,470.
Colombo, Paolo; and Galliverti, Marco, to Societa Italiana Resine S.I.R. S.p.A. Process for the preparation of catalysts for the polymerisation and copolymerisation of ethylene. 3,835,065, 9-10-74, Cl. 252-429.00c.
Colombo, Peter: *See*—
Steinberg, Meyer; Colombo, Peter; and Farber, Gerald, 3,856,054.
Colombo, Roberto, to S.p.A. Lavorazione Materie Plastiche L.M.P. Manufacturing laminates of expanded thermoplastic resins. 3,823,047, 7-9-74, Cl. 156-322.000.
Colombo, Roberto, to Lavorazione Materie Plastiche L.M.P. S.p.A. Synthetic resin laminate and its manufacturing process. 3,823,211, 7-9-74, Cl. 264-47.000.
Colombot, Pierre, to Agence Nationale de Valorisation de la Recherche (Anvar). Handrails for passenger conveyors. 3,796,161, 3-12-74, Cl. 104-25.000.
Colomer Munmany, S.A.: *See*—
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Colomrani, Bruno; and Pacciarini, Antonio, to Industrie Pirelli S.p.A. Stitching apparatus for tire drum building machines. 3,794,542, 2-26-74, Cl. 156-358.000.
Colonel, Celio Trinca, to Honeywell Information Systems Italia. Bistable electronic circuit. 3,845,330, 10-29-74, Cl. 307-289.000.
Colonial Mechandising Corporation: *See*—
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Colonial Metals, Inc.: *See*—
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Colonna, Vincenzo: *See*—
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Colosimo, Richard L. Commutatorless and brushless direct current motor or generator. 3,821,575, 6-28-74, Cl. 310-266.000.
Colovas, Denny D.; Logan, John S.; and Skruch, Richard R., to Ford Motor Company. Guided transportation system. 3,788,233, 1-29-74, Cl. 104-88.000.
Colquett, Jack L.: *See*—
Van Doorn, Donald W.; Hawkins, James B.; Pease, William C., III; and Colquett, Jack L., 3,816,970.
Colson, Frank S. Portable kilns. 3,786,162, 1-15-74, Cl. 13-22.000.
Colson, Ralph E. Shrimp washers. 3,847,169, 11-12-74, Cl. 134-183.000.
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Bell, Oliver A., Jr.; and Gilleland, Randall C., 3,805,012.
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Bell, Oliver A., Jr.; and Gilleland, Randall C., 3,814,894.
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Bell, Oliver A., Jr.; and Gilleland, Randall C., 3,832,511.
Bell, Oliver A., Jr.; and Gilleland, Randall C., 3,854,026.
Bell, Oliver A., Jr.; and Gilleland, Randall C., 3,855,443.
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Dreher, James H., 3,796,415.
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Into, Henry A., 3,799,684.
Into, Henry A., 3,824,697.
Mello, William R., 3,823,644.
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Colt, James G.; and Emus, Ronald W., Jr., to Carpetech Corporation. Carpet and upholstery cleaning apparatus with improved noise muffling feature. 3,831,223, 8-27-74, Cl. 15-321.000.
Colten, Frank P.; and Kaplan, Morton, to General Foods Corporation. Moisture barrier coating composition. 3,784,713, 1-8-74, Cl. 426-171.000.
Colton, Frank B.; Marsheck, William J.; and Miyano, Masateru, to Searle, G. D., & Co. Stereospecific microbiological hydrolysis process. 3,801,459, 4-2-74, Cl. 195-30.000.
Colton, Martin S.; and Schulman, Marvin, to General Foods Corporation. Process for producing coffee extract. 3,782,965, 1-1-74, Cl. 426-432.000.
Colton, Russell F.: *See*—
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Leitner, Frank Wilhite; and Griffin, William Thomas, 3,839,767.
Litner, Frank W.; and Childress, Bobby B., 3,825,725.
Colucci, Ivo, to Alfa Romeo S.p.A. Safety belt having three fastening points for the seat of a motor car. 3,799,577, 3-26-74, Cl. 280-150.50b.
Colucci, Ivo, to Alfa Romeo S.p.A. Safety seat belt having four fastening points, for a motor car seat. 3,822,915, 7-9-74, Cl. 297-389.000.
Colucci, Ivo, to Alfa Romeo S.p.A. Headlamp for motor vehicles. 3,848,121, 11-12-74, Cl. 240-41.600.
Colucci, Ivo, to Alfa Romeo S.p.A. Windshield and/or rear window positioning member and attendant peripheral glass rim in motor car bodies. 3,851,433, 12-3-74, Cl. 52-401.000.
Colucci, Stephen L.; Elliott, Michael T.; Erichsen, Ronald L.; Sypniewski, David L.; and Vopat, Frank E., to University of Notre Dame du Lac. Coded access device. 3,805,246, 4-16-74, Cl. 340-172.500.
Colugno, Dolores. Method of forming a ruffle or the like. 3,797,714, 3-19-74, Cl. 223-46.000.
Columb, Henry Octave, Jr.; and Trecker, David John, to Union Carbide Corporation. N-(5-norbornen-2-ylmethyl) carbamate of cellulose acetate. 3,784,492, 1-8-74, Cl. 260-13.00r.
Columbia Broadcasting System, Inc.: *See*—
Auber, Benjamin B., 3,813,494.
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Columbia Ribbon & Carbon Manufacturing Co., Inc.: *See*—
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Colwill, Richard H., to Burroughs Corporation. Toggle platen unit. 3,804,015, 4-16-74, Cl. 101-297.000.
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Comas, Jorge Rectoret. Spring loaded pattern drum for ease of pattern jack insertion. 3,834,188, 9-10-74, Cl. 66-50.00b.
Comas, Jorge Rectoret. Mechanism for actuating pattern or control drums in knitting machines, and knitting machines incorporating the same. 3,846,996, 11-12-74, Cl. 66-50.00b.
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Combes, Robert P., to Societe pour le Developpement de la Recherche Applique. Pressurized fluid valves. 3,789,866, 2-5-74, Cl. 137-219.000.
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Combined Sciences Corporation: *See*—
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Combrinck, Hendrik Johannes Van Jaarsveldt. Mechanical emergency central switch assembly for motor vehicles. 3,787,805, 1-22-74, Cl. 340-52.00h.
Combs, Cassius C.; and Hulet, Arthur D. Assembly tool. 3,797,094, 3-19-74, Cl. 29-237.000.
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Calkin, Billy C.; and Lowrie, Neely E., 3,850,599.
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Caruso, Robert M.; and Musick, Charles R., 3,849,637.
Clayton, William Harold, Jr.; and Schuetzenduebel, Wolfram Gerhard, 3,818,872.
Conner, James Marvin, 3,791,040.
Cooper, Thomas H., 3,854,500.
Cooper, Thomas Henry; and Heil, Fred Bowman, Jr., 3,823,532.
Creek, Ronald Boyd, 3,850,231.
Deve, Vagn, 3,817,314.
Dietrich, Joseph R.; and Groves, Malcolm D., 3,855,060.
Ferrin, Charles R., 3,835,816.
Garner, Kenneth B.; Martin, James R.; and Smith, Jack C., 3,802,245.
Garner, Kenneth Bishop; and Roberson, Lewis Shepherd, 3,851,516.
Gilbert, Lyman Francis, 3,847,092.
Groves, Malcolm D., 3,841,202.
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Harris, David A.; Burbach, Henry E.; and Singer, Joseph G., 3,799,242.
Harris, Lewis K., 3,798,968.
Harris, Lewis K.; and Burrus, Bill S., 3,840,044.
Harris, Lewis Karl, 3,801,064.
Hill, Ernest C.; and Patterson, Charles T., 3,813,855.
Holt, Fletcher O., 3,851,625.
Hordis, Victor Andrew, 3,802,495.
Jacobs, Louis J.; Fisher, Robert E.; and Felice, Frank T., 3,793,042.
Jacobs, Louis John, 3,849,206.
Jacobs, Louis John, 3,849,586.
Jones, Thomas Alan, 3,851,987.
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Leshem, Adam, 3,818,786.
Lichtenberger, Harold V.; and Ruoss, Christian W., 3,825,160.
Martucci, John Anthony, 3,849,655.
McAllister, Owen E., 3,854,246.
Misenti, Angelo J.; and Notari, Gennaro V., 3,788,943.
Musick, Charles R., 3,791,922.
Notari, Gennard V.; Groves, Malcolm D.; and Elinn, William S., 3,806,167.
Notari, Gennaro V., 3,785,924.
Parobek, Edward George, 3,817,697.
Peck, Daniel Anthony, 3,795,139.
Polsak, Edwin Mark; and Kalfas, Donald Joseph, 3,788,244.
Polsak, Edwin Mark, 3,823,677.
Prestridge, Floyd L., 3,847,775.
Prestridge, Floyd Leon, 3,849,285.
Regan, John William, 3,815,882.
Rennie, David M., 3,795,091.
Riley, Lawrence Raymond, 3,833,334.
Romanos, Nicholas D., 3,802,498.
Rosso, John B., 3,820,400.
Round, Byron Joseph; and Abolins, Eizens, 3,793,991.
Schuss, Jack Ascher, 3,849,056.
Sutton, Larry Leon; and Bratton, John, 3,805,954.
Taccone, Russell William, 3,811,813.
Vincent, Gerald H., 3,782,986.
West, John M., 3,801,734.
Williamson, Ronald Eugene; Porter, Sidney Clark, Jr.; and Shotting, Kenneth Frederic, 3,851,772.
Young, Lester Charles, 3,855,796.

Combustion Equipment Associates, Inc.: *See—*
Lyshkow, Norman A., 3,824,836.
Monro, Richard J., 3,829,015.
Vandenhoeck, J. Paul, 3,812,660.

Combustion Power Co., Inc.: *See—*
Reese, Richard G., 3,818,846.

Combustion Unlimited, Incorporated: *See—*
Straitz, John F., III, 3,797,991.
Straitz, John F., III, 3,797,992.
Straitz, John F., III, 3,816,059.
Straitz, John F., III, 3,822,984.
Straitz, John F., III, 3,822,985.
Straitz, John F., III, 3,824,073.

Comdel, Inc.: *See—*
Johnson, Theodore E., Jr.; and Dahn, Edward W., 3,792,709.

Comeau, Andre: *See—*
Roelofs, Wendell; Comeau, Andre; and Hill, Ada, 3,852,419.

Comeau, Robert L., to Scott Paper Company. Electrophotographic, contact-printing process employing a dielectric liquid layer. 3,796,570, 3-12-74, Cl. 96-1.00r.

Comegys, Cornelius W. Self supporting cement. 3,839,269, 10-1-74, Cl. 260-41.00r.

Comer, Glen S., to Caterpillar Tractor Company. Single lever control for actuating multiple control valves. 3,831,633, 8-27-74, Cl. 137-636.200.

Comer, Glen S., Jr.; and Sitton, Ellis A., to Caterpillar Tractor Company. Idler mounting mechanism and track adjuster. 3,841,715, 10-15-74, Cl. 305-10.000.

Comer, Glen S., Jr.; Cryder, John R.; and Waggoner, John B., to Caterpillar Tractor Company. Supplemental fluid supply. 3,851,721, 12-3-74, Cl. 180-79.20r.

Comer, Robert C.: *See—*
Sagi, Zsigmond L.; Comer, Robert C.; Andersen, Norman; Burtha, John R.; and Pertchik, Samuel, 3,835,990.

Comer, William T.: *See—*
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Comer, William T.; and Roth, Herbert R., to Mead Johnson & Company. 2'-Hydroxy-5'-[1-hydroxy-2(2-methyl-1-phenyl-2-propylamino) ethyl]methanesulfonanilide and its salts. 3,801,631, 4-2-74, Cl. 260-501.190.

Comer, William T.; Larsen, Aubrey A.; and Scarborough, Homer C.; deceased (by Scarborough, Phyllis Jean; widow and personal representative), to Mead Johnson & Company. Hexahydrobenzazocines. 3,840,522, 10-8-74, Cl. 260-239.0bb.

Comer, William T.; Rayburn, James W.; and Temple, Davis L., to Mead Johnson & Company. 6-Methylene-1-cyclopentene-1-pentanoic acid. 3,853,949, 12-10-74, Cl. 260-468.00l.

Comer, William Timmey: *See—*
Kreighbaum, William Eugene; and Comer, William Timmey, 3,798,225.
Martin, Tellis Alexander; and Comer, William Timmey, 3,809,697.

Comerford, John M.; and Kapur, Chandra, to Personal Products Company. Flushable sanitary napkin. 3,838,695, 10-1-74, Cl. 128-290.00r.

Cometto, Dante James; Morse, Jeremy Painter; Crickmer, Robert Edward; and Kirk, Irvin, to International Nickel Company, Inc., The. Production of powder alloy products. 3,814,635, 6-4-74, Cl. 148-11.50r.

Comey, David L., to Lumatron Corporation. Light organ. 3,806,919, 4-23-74, Cl. 340-366.00b.

Comfort Care Products: *See—*
Cox, Wayne H., 3,856,004.

Comfort, Theodore F.; Legare, Richard J.; and Rosher, Ronald, to United States of America, Navy. Alpha-hydro-gama-hydroxy poly(oxymethylene nitroamino)polymer. 3,808,276, 4-30-74, Cl. 260-584.00c.

Cominassi, Adolphe: *See—*
Lievremont, Henri; and Cominassi, Adolphe, 3,813,356.

Cominco Ltd.: *See—*
Johnston, David Lawrence, 3,807,556.
Liang, Shou Chu; Milner, Edward Francis Godfrey; Toop, Gerald Wesley; and Anderson, Ronald Walter, 3,847,595.
McKay, Donald R.; Swinkels, Godefridus M.; and Szarmes, Kornel R. V., 3,816,105.
Milner, Edward Francis Godfrey; Peters, Ernest; Swinkels, Godefridus M.; and Vizsolyi, Andrew Imre, 3,798,026.
Reynolds, John Windley, 3,843,198.

Cominotti, Franco, to Concast AG. Cover for casting vessels in continuous casting machines. 3,814,408, 6-4-74, Cl. 266-39.000.

Comitato Nazionale per l'Energia Nucleare (CNEN): *See—*
Boccalari, Mario, 3,849,869.
De Carolis, Massimiliano, 3,812,422.
Sacerdoti, Giancarlo; Catitti, Aldo; and Di Marino, Ciampino, 3,811,740.

Commanda, Ephrem. Retractable wheels for snowmobiles. 3,810,662, 5-14-74, Cl. 280-415.00r.

Commander Industries, Inc.: *See—*
Sandberg, Ernest J., 3,838,723.
Stout, Bud D., 3,832,922.

Commerce Bank and Trust Bank: *See—*
McDonald, Ralph R., 3,850,023.

Commercial Affiliates, Inc.: *See—*
Ward, Robert C., 3,808,760.

Commercial Decal, Inc.: *See—*
Blanco, Louis A.; and Wenning, William F., Jr., 3,857,746.
Carmellini, Andrew E.; and Rogers, Andrew J., 3,791,841.

Commercial Electronics, Inc.: *See—*
Irwin, Charles P., 3,826,577.
Kline, Donald D., 3,789,133.
Porter, William A.; Burough, Irvin G.; and Kline, Donald D., 3,833,305.

Commercial Metals Company: *See—*
Berry, Samuel M., 3,816,038.
Berry, Samuel M., 3,816,039.

Commercial Resins Company: *See—*
Hart, Robert J., 3,854,634.

Commercial Shearing & Stamping Company: *See—*
Chlumecky, Nicholas, 3,818,710.

Commercial Shearing Inc.: *See—*
Boop, John L.; and Rudinec, Joseph P., 3,830,602.
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Griffith, George L., 3,789,760.
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Hodge, Edward B., 3,808,233.
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Hunsucker, Jerry H., 3,843,607.
Hunsucker, Jerry Hoyt, 3,839,350.
James, Frank; and Jones, Richard A., 3,810,853.
Miescher, Guide Max, 3,795,663.
Purcell, Robert F.; and Sausaman, David K., 3,783,002.
Runge, Wallace F.; and Edwards, Donald W., 3,798,092.
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Commercial Wire and Display Prod. Corporation: *See—*
Orlandi, Arthur A., 3,850,396.

Commerical Appliances, Inc.: *See—*
Pottinger, Eugene A.; and Shelton, Winston L., 3,792,698.

Commiant, Michel, to Compagnie generale des Isolants (Cogebi). Method for stowing-away cassettes in a suitable holder. 3,856,369, 12-24-74, Cl. 312-107.000.

Comminications Stallite Corporation: *See—*
Kaul, Pradman Prithvinath; Gaunt, William; and Ford, Harold, 3,796,868.

Commins, James A. Emission monitoring system. 3,852,730, 12-3-74, Cl. 340-237.00r.

Commissariat a l'Energie Atomique: *See—*
Abbe, Lucien; Eschbach, Jean Michel; Letang, Roland; and Sachs, Charles, 3,837,065.
Abbes, Claud; Bianchi, Santos; Chevallereau, Roger; Rogemont, Jean; Roques, Robert; Rouaud, Christian; and Royer, Henri, 3,820,799.
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Bathellier, Andre; and Germain, Michel, 3,855,298.
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Boutaine, Jean-Louis; Bujas, Roko; and Tortel, Jean, 3,824,396.
Brafman, Marek; Godeau, Alain; Laverlochere, Jean; and Lecomte, Jean-Luc, 3,798,455.
Brandstetter, Robert; and Robin, Marcel, 3,801,448.
Brie, Michel; and Riess, Gerard, 3,855,174.
Carles, Maurice; and Fra, Jacky, 3,806,579.
Carossi, Jean-Claude; and Fierard, Pierre, 3,844,166.
Carron, Georges; and Violet, Jean-Louis, 3,821,093.
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Cartier, Louis, 3,803,365.
Cayol, Andre; and Clottes, Georges, 3,801,449.
Cayol, Andre; Chenal, Jean-Claude; Clottes, Georges; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,816,247.
Cayol, Andre; and Ratier, Jean-Louis, 3,816,248.
Chabre, Andre Paul, 3,844,174.
Chenai, Jean-Claude; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,795,579.
Chenault, Roger; and Prigent, Raymond, 3,852,589.
Chenebault, Pierre; and Pointud, Marie-Louise, 3,842,283.
Cordelle, Michel; Crescini, Jean; Glenat, Henri; and Salvi Antoine, 3,823,364.
Costes, Didier, 3,834,452.
Courcier, Francois; Blouet, Jean; Courtel, Robert; and Risler, Francis, 3,816,309.
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Debergh, Philippe; and Lagrange, Maurice, 3,806,409.
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Delisle, Jean-Paul; and Sauvage, Michel, 3,807,772.
Devin, Bernard; Dupuy, Gerard; and Schwartz, Jean-Pierre, 3,840,431.
Dufrene, Jean-Louis; Lacoste, Jean; Schley, Robert; and Tortel, Jean, 3,791,026.
Dumayne, Raymond, 3,841,964.
Edeline, Jean-Claude; and Lavergne, Justin, 3,842,285.
Espie, Jean Yves; Jouan, Claude; and Koehly, Gerard, 3,787,553.
Ferrand, Bernard; Forrat, Francis; Grange, Yves; Joubert, Jean-Claude; and Mareschal, Jean, 3,849,193.
Fromageot, Pierre; Hung, Lam Thanh; and Morgat, Jean-Louis, 3,828,102.
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Germond, Jean-Claude; Glachet, Charles; and Guilbaud, Jean-Pierre, 3,790,002.
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Grunberg, Georges, Melnick, Igor; and Lazzari, Jean Pierre, 3,787,237.
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Kostic, Svetislav; and Le Meur, Roger, 3,784,823.
Lemercier, Daniele; and Salvi, Antoine, 3,808,519.
Lesinski, Jacek, 3,806,249.
Maillard, Pierre, 3,803,900.
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Max, Jacques; and Kofman, Wlodzimierz, 3,827,629.
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Pluchery, Max; and Roughon, Claude, 3,855,469.
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Poujois, Robert, 3,810,031.
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Stohr, Jacques Andre, 3,848,314.
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Volsy, Robert, 3,827,217.
Volsy, Robert, 3,853,750.

Commisso, Nicholas D., to Mobil Oil Corporation. Covered container for serving food. 3,794,090, 2-26-74, Cl. 150-.500.

Commonwealth Industrial Gases Limited, The: *See—*
Johnstone, Edward Townshend Carruthers; and Brunton, Robert Sidney, 3,823,012.

Commonwealth of Australia, care of the Secretary: *See—*
Metcalfe, Kenneth A.; Clements, Alwin S.; and Wilson, Clive W., 3,836,361.

Commonwealth of Australia, The: *See—*
Metcalfe, Kenneth A.; and Lowe, William H., 3,793,205.
Metcalfe, Kenneth A.; and Lowe, William H., 3,804,660.

Commonwealth of Australia, The; care of the Secretary, Department of Supply: *See—*
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Commonwealth of Australia, The; care of the Secretary, Department of Supply Department of Supply, The: *See—*
Metcalfe, Kenneth A., 3,810,193.

Commonwealth Scientific and Industrial Research Organization: *See—*
Battaerd, Hendrik Adrian Jacobus; Bolto, Brian Alfred, and Shah, Pir Ghulam Samadani, 3,839,237.
Battaerd, Hendrik Adrian Jacobus, 3,849,525.
Bolto, Brian Alfred; and Stephens, Geoffrey Keith, 3,840,482.
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Hodgkin, Jonathan Howard; Hawthorne, David Geoffrey; Swift, Jean Drummond; and Solomon, David Henry, 3,834,923.
Holan, George, 3,823,192.
Laby, Ralph Henry, 3,844,285.
Merry, Lorraine Anne; and Solomon, David Henry, 3,829,564
Pearce, Jack Hallam; and Chapman, Peter Miles, 3,807,160
Plate, Dieter Erich Alexander; and Feehan, John Desmond, 3,844,098.
Sweett, Francis Archibald; Casamento, Pietro; and Taylor, Robert Norton, 3,839,588.
Swift, Jean Drummond; Hawthorne, David Geoffrey; Loft, Bryan Clarence; and Solomon, David Henry, 3,849,149.
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Commonwealth Scientific Corporation: *See—*
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Monk, Gaines W., 3,840,721.

Commplex, Inc.: *See—*
Suttill, Francis John, Jr.; Holt, John M.; and Ray, Robert H., 3,838,395.

Communication Equipment & Contracting Co., Inc.: *See—*
Pirnie, Robert M., III, 3,854,009.

Communication Mfg. Co.: *See—*
Boucher, C. Wendell, 3,814,867.
Hanneman, Thomas W.; and Cook, Jeffrey A., 3,845,253.
O'Dea, Orrin B., 3,792,205.

Communications Development Corporation. *See—*
Luxon, Norval N., Jr., 3,807,072.

Communications Patents Limited: *See—*
Gabriel, Ralph Parton, 3,801,735.
Smart, Daniel Henry, 3,835,244.

Communications Satellite Corporation: *See—*
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Campanella, Samuel J., and Suyderhoud, Henri G., 3,836,734.
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Kreutel, Randall William, Jr.; and Hyde, Geoffrey, 3,852,763.
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Maillet, Wilfrid G., 3,813,496.
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Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; and Maillet, Wilfrid G., 3,806,879.
Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; Maillet, Wilfrid G.; and Haeberle, Heinz H., 3,812,430.
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Sciulli, Joseph Albert; and Lutz, Paul Andrew, 3,832,491.
Shimasaki, Nobuhiko; and Rapuano, Robert, 3,789,142.
Tomozawa, Atsushi; and Ford, Harold E., 3,816,666.
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Wachs, Marvin Richard; and Berman, Arnold, 3,813,497.
Wentworth, Donald L., 3,785,590.
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Communications Satellite Corporation (Comsat): *See—*
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Communications Transistor Corporation: *See—*
Duncan, David M.; and Johnson, Joseph H., 3,784,883.

Compaan, Klaas; and Bouwhuis, Gijsbertus, to U.S. Philips Corporation. Apparatus for positional control of a reading head in a device for reproducing optically coded video disk recordings. 3,833,769, 9-3-74, Cl. 179-100.30v.

Compac Corporation, mesne: *See—*
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Compac Engineering, Inc.: *See—*
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Compac-Cutting Machine Corporation: *See—*
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Compagnia Italiana Tubi Metallici Flessibili S.p.A.: *See—*
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Compagnie d'Applications et de Diffusion de Techniques Nouvelles: *See—*
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Compagnie de Material et d'Equipements Techniques C.O.M.E.T.: *See—*
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Gringras, Michel, 3,817,776.
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Jochim, Friedrich; Peetz, Dieter; Karla, Heinz; and Luerssen, Hermann, 3,813,519.
Laurent, Bernard; and Haslay, Claude, 3,853,569.

Compagnie d'Electronique et de Piezo-Electricite C.E.P.E.: *See—*
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Compagnie des Ateliers et Forges de la Loire: Saint Chamond; Firminy; Saint Etienne; Jacob Holtzer; C.A.E.L.: *See—*
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Compagnie des Compteurs: *See—*
Accaries, Maurice Emile; and Girard, Maurice Emile, 3,826,722.
Brelot, Rene; and Tourret, Jean, 3,784,309.
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Compagnie des Freins et Signaux Westinghouse: *See—*
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Compagnie des Montres Longines Francillon S.A.: *See—*
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Compagnie Electro-Mecanique: *See—*
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Laronze, Joseph, 3,835,339.

Compagnie Europeene pour l'Equipement Menager CEPEM: *See—*
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Compagnie Europeene Pour l'Equipment Menager CEPEM: *See—*
Capy, Marcel, 3,845,582.

Compagnie Europeenne de Manutention: *See—*
Bergeron, Maurice, 3,807,548.

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Compare, Giampiero, to General Electric Information Systems S.p.A. Method for preparing artwork to be used in manufacturing of printed circuits. 3,782,942, 1-1-74, Cl. 96-41.000.

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Compass Holding Corporation: *See—*
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Compere, Newton L. Rupturable blister pill package with safety backing. 3,809,221, 5-7-74, Cl. 206-461.000.

Compere-Whitney, Alicia L., to Imperatrix. Process and device for producing microorganismic matter. 3,825,475, 7-23-74, Cl. 195-104.000.

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Compernass, Josef; Grunberger, Eberhard; and Schmidt, Friedo Eberhard, to Henkel & Cie GmbH. Method for the production of water-permeable porous concrete. 3,847,630, 11-12-74, Cl. 106-90.000.

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Compton, Carlton B.; and Doelp, Walter L., Jr., to Ford Motor Company. Breakerless ignition system. 3,831,570, 8-27-74, Cl. 123-148.00e.

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Compton, Ell Dee: *See—*
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Compton, Jerry L.; and Seitz, David R., to Globe Tool and Engineering Company, The. Armature winding method and apparatus. 3,812,577, 5-28-74, Cl. 29-597.000.

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Compton, Max E. Automatic alarm system for bathroom. 3,803,579, 4-9-74, Cl. 340-309.100.

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Compton, Wayne W., to Kim Lighting, Inc. Luminaire. 3,786,248, 1-15-74, Cl. 240-25.000.

Compu-Sort Systems, Inc.: *See—*
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Computer Communications, Inc.: *See—*
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Comstock, Alfred E. Color photo processing apparatus. 3,856,395, 12-24-74, Cl. 354-299.000.

Comstock, Allen L.: *See—*
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Comstock, George E.; and Gilmer, Thomas P., Jr., to Singer Company, The. Electronic calculator. 3,854,124, 12-10-74, Cl. 340-172.500.

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Comstock, Lowell R.; and Smith, Percy L., to Union Carbide Corporation. Flame retardant polyesters from bromnated diols. 3,826,806, 7-30-74, Cl. 260-869.000.

Comstron Corporation: *See—*
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Comtec Economation: *See—*
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Comtois, Alfred Louis. Method and apparatus for modifying lock keys. 3,841,175, 10-15-74, Cl. 76-110.000.

Con-Ray, Inc.; a subsidiary of Red-Ray Manufacturing Company, Inc.: *See—*
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Conair, Inc.: *See—*
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Conant, Barton C.; and Yao, Szee Ming, to Abbott Coin Counter Co., Inc. Coin processor having error-indicating system. 3,848,614, 11-19-74, Cl. 133-8.00r.

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Conard, Robert G., to United States of America, Army. Node suspended flexible rocket. 3,857,320, 12-31-74, Cl. 89-1.808.

Conard, Wendell R.; and Ellis, Ronald M., to Firestone Tire & Rubber Company, The. Flame and burn resistant butadiene resin compositions. 3,786,087, 1-15-74, Cl. 260-41.50a.

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Conat Industries Limited, mesne: *See—*
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Conaway, Mildred; Thompson, Alligene; Bowen, Dorsie Mae; Brown, Danny; and McGarrah, Larry, to Bear Brand Hosiery Co. Method of securing a waistband to combination garment. 3,848,266, 11-19-74, Cl. 2-237.000.

Conax Corporation: *See—*
Fisher, Edward; Rautio, Wilbur S.; Jankowiak, Roman; and Natell, Richard W., 3,856,983.

Conca, Romeo John; Hergert, Herbert Lawrence; Maranville, Lawrence Frank; and Huges, Albert Marian, to International Telephone and Telegraph Corporation. Bleaching and refining process for producing dissolving pulps. 3,817,825, 6-18-74, Cl. 162-89.000.

Concast AG: *See—*
Bollig, Georg; Grothe, Horst; Knell, Gernhard; Thalmann, Armin; and Zeller, Josef, 3,812,900.
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Concentrados Nacionais S.A.: *See—*
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Concentric Pumps, Limited: *See—*
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Concept, Inc.: *See—*
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Conch International Methane Limited: *See—*
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Concord Computing Corporation: *See—*
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Concorde Fibers, Inc.: *See—*
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Concordia Maschinen- und Elektrizitats-GmbH: *See—*
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Concrete Conduit Company, Inc.: *See—*
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Concrete Cutting Equipment, Incorporated: *See—*
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Concrete Industries (Monier) Limited: *See—*
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Concrete Pipe Machinery Company: *See—*
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Condamine, Armand Eloi; and Rigal, Rene Jean Jacques Philippe, to Centre Technique du Cuir. Method and apparatus for making lasts. 3,790,978, 2-12-74, Cl. 12-146.001.

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Condes Corporation: *See—*
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Condon, Edward U., to Corning Glass Works. Fiber optic plate with dense opal glass cladding. 3,836,809, 9-17-74, Cl. 313-465.000.

Condon, John J. Dental tool. 3,827,147, 8-6-74, Cl. 32-17.000.

Condon, Joseph Henry, to Bell Telephone Laboratories, Incorporated. Shift register having (N/2 Δ - 1) stages for digitally synthesizing an N-phase sinusoidal waveform. 3,801,807, 4-2-74, Cl. 235-197.000.

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Condon, Joseph Henry, to Bell Telephone Laboratories, Incorporated. Band-separation filter with reduced path cross-connections. 3,855,537, 12-17-74, Cl. 328-167.000.

Condon, Nancy J., to Shell Oil Company. Block copolymer compositions. 3,830,767, 8-20-74, Cl. 260-28.50b.

Condon, Richard W.: *See—*
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Condux-Werk, Herbert A. Merges KG: *See—*
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Lehr, Heinz; and Swarat, Walter, 3,837,584.
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Cone, Eugene J., to PPG Industries, Inc. Method and apparatus for producing glass beads. 3,843,340, 10-22-74, Cl. 65-21.000.

Cone, George W.; and Kinzie, James E., to Garrett Comtronics Corporation. Clock calculator. 3,813,533, 5-28-74, Cl. 235-156.000.

Cone, Irwin C., to Gates Rubber Company, The. Retainer clip for windshield wiper blades. 3,849,828, 11-26-74, Cl. 15-250.420.

Conenco International Limited: *See—*

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Coneo Inc.: *See—*
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Conerly, Howard Jeffery, to International Telephone and Telegraph Corporation. Memory control for toll systems. 3,813,495, 5-28-74, Cl. 179-7.0mm.

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Confer, Raymond C.: *See—*
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Confino, Maurice; and Godard, Gerard. Device for the emission of volatile products. 3,785,561, 1-15-74, Cl. 239-60.000.

Conflow Irrigation Systems: *See—*
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Conforti, Arthur R., to Melco Industries Inc. Sewing guide apparatus. 3,811,391, 5-21-74, Cl. 112-147.000.

Congelli, Henry C., to AMF Incorporated. Bowling pin delivery mechanism with single elevating device for a plurality of bowling alleys. 3,807,732, 4-30-74, Cl. 273-43.00r.

Conger, Marvin T.; Evans, Theodore A.; and Gordon, Larry A., to Goodyear Tire & Rubber Company, The. Antifoulant composition and method of preparation. 3,792,000, 2-12-74, Cl. 260-3.500.

Conger, Marvin T., to Goodyear Tire & Rubber Company, The. Method of molding embossed foamed polymethane laminates. 3,813,463, 5-28-74, Cl. 264-45.000.

Conger, Robert L., to United States of America, Navy. Explosive luneberg lens warhead. 3,796,158, 3-12-74, Cl. 102-67.000.

Conger, Robert L., to United States of America, Navy. Explosive fisheye lens warhead. 3,796,159, 3-12-74, Cl. 102-67.000.

Conger, Robert P.: *See—*
Palmer, Leon B.; and Conger, Robert P., 3,849,157.
Palmer, Leon B.; and Conger, Robert P., 3,849,158.
Palmer, Leon B.; and Conger, Robert P., 3,849,159.

Conger, Robert P.; and Varadhachary, Seevaram N., to Congoleum Industries, Inc. Resinous product having sharp color definitions therein. 3,787,280, 1-22-74, Cl. 161-168.000.

Congleton, Wayne, to Dolco Packaging Corporation. Container assembly having compartments and means for stacking container blank. 3,834,609, 9-10-74, Cl. 229-28.00r.

Congoleum Industries, Inc.: *See—*
Conger, Robert P.; and Varadhachary, Seevaram N., 3,787,280.
Palmer, Leon B., 3,809,534.
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Petry, Robert K.; Biskup, John; and Murphy, Robert E. J., 3,845,182.
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Winters, Donald C., 3,833,459.

Coniagas Research, Inc.: *See—*
Sharpe, Edgar John, 3,790,882.

Conibear, David Eustace; and Halls, Maurice Vernon, to Sperry Rand Limited. Navigational apparatus. 3,831,286, 8-27-74, Cl. 33-317.000.

Conibear, Frank. Actuator for animal trap. 3,816,955, 6-18-74, Cl. 43-90.000.

Conibear, Frank Ralph. Releasable mount means for animal trap. 3,797,162, 3-19-74, Cl. 43-90.000.

Conkey, Robert E.: *See—*
Angelis, William J.; Berger, Robert E.; and Conkey, Robert E., 3,811,366.

Conkle, Ellsworth V., 5% to Stratman, James A. and Morgan, Fred P. Tailgate assembly. 3,785,695, 1-15-74, Cl. 296-50.000.

Conklin, Alfred R. Leather. 3,837,797, 9-24-74, Cl. 8-94.260.

Conklin, Carroll C., Jr. Disposable tooth cleaner. 3,798,698, 3-26-74, Cl. 15-167.00r.

Conklin, Clayton E. Apparatus for orientating and stacking cup-like articles. 3,791,537, 2-12-74, Cl. 214-6.500.

Conklin, Clement L., Jr., to United States of America, Army. Valve reference system for high acceleration environment. 3,788,351, 1-29-74, Cl. 137-512.100.

Conklin, George W.: *See—*
Fetterly, Lloyd C.; Conklin, George W.; and May, Nathan C., 3,832,363.

Conklin, Robert M., to Brunswick Corporation. Process for building molds to produce pile materials. 3,804,617, 4-16-74, Cl. 75-208.00r.

Conklin, Thomas: *See—*
Richison, Eugene M.; and Richison, Ethel M., 3,823,790.

Conlan, William A., Jr.: *See—*
Dutkewych, Oleh Borys; and Conlan, William A., Jr., 3,795,622.

Conlee, George D. Coil spring worm shaft. 3,797,326, 3-19-74, Cl. 74-425.000.

Conlee, George D., to Slifer Manufacturing Company, Incorporated. Fluid flow detector and control for a hot water system. 3,799,184, 3-26-74, Cl. 137-94.000.

Conley, Fred Miller, to Dudley & Conley Scale Co., Inc. Heavy duty industrial scale. 3,797,593, 3-19-74, Cl. 177-134.000.

Conley, Jack S.: *See—*
Clauss, Julius A., Jr.; Conley, Jack S.; and Lemon, Robert W., 3,803,948.
Clauss, Julius A., Jr.; Conley, Jack S.; and Lemon, Robert W., 3,830,082.

Conley, James D.; Belden, Donald E.; and Terhune, Ralph D., to Fram Corporation. Fluid analyzer. 3,795,810, 3-5-74, Cl. 250-339.000.

Conley, James W.: *See—*
Davis, Richard K.; and Conley, James W., 3,839,705.

Conley, John L. Automatic poultry egg collector. 3,789,802, 2-5-74, Cl. 119-48.000.

Conley, John L. Automatic animal dropping pit cleaner. 3,810,444, 5-14-74, Cl. 119-22.000.

Conley, Larry R., to Accra-Point Arrays Corporation. Printed circuit board method and apparatus. 3,786,172, 1-15-74, Cl. 174-68.500.

Conley, Larry R., to Accra-Point Arrays Corporation. Through-insulation welding method and apparatus. 3,789,183, 1-29-74, Cl. 219-92.000.

Conley, Larry R., to Accra-Point Arrays Corporation. Method of forming printed circuit. 3,850,711, 11-26-74, Cl. 156-11.000.

Conley, Robert F.; Catherwood, Billy Reid; and Lloyd, Mary Kate, to Georgia Kaolin Company. Satin white-clay compositions and methods of manufacture. 3,854,971, 12-17-74, Cl. 106-214.000.

Conlon, Joseph M.: *See—*
Lowy, George W.; Conlon, Joseph M.; and Marcus, Byron E., 3,787,121.

Conlon, Rodney Frederick Barker: *See—*
Cooke, Roger Ernest; and Conlon, Rodney Frederick Barker, 3,851,271.

Conlon, Willard S., 30% to Murphy, Peter J. Lineman's safety belt. 3,840,091, 10-8-74, Cl. 182-9.000.

Conn. C. G., Ltd.: *See—*
Southard, James S., 3,837,254.

Conn, Jack Samuel; and Fabien, Lionel Ralph, to Surrey Steel Components, Limited. Device for clearing blocked pipes. 3,789,861, 2-5-74, Cl. 134-166.00c.

Conn, Robert O., Jr. Car wash control apparatus. 3,854,054, 12-10-74, Cl. 307-41.000.

Conn, William K., to Philadelphia Quartz Company. Detergent composition with controlled alkalinity. 3,846,346, 11-5-74, Cl. 252-527.000.

Conn, William K.; and Blake, Chester T., Jr., to Philadelphia Quartz Company. Defoamer for aerosol concentrates. 3,853,989, 12-10-74, Cl. 424-47.000.

Connac, Gabriel Henri. Method and apparatus for cutting saw-teeth from the webs of structural shapes. 3,811,351, 5-21-74, Cl. 83-49.000.

Connan, Maxwell H. Electrical wire end connector. 3,821,464, 6-28-74, Cl. 174-87.000.

Connaughton, Joseph W.: *See—*
Wharton, Walter W.; and Connaughton, Joseph W., 3,811,280.

Conneally, Martin L.; and Hajduk, George, to Ardco, Inc. Refrigerator door closure system. 3,837,119, 9-24-74, Cl. 49-404.000.

Connectronics Corporation: *See—*
Bonhomme, Francois Robert, 3,808,589.

Connel, Allan A. Inhalation anesthesia device. 3,851,645, 12-3-74, Cl. 128-188.000.

Connell, Eugene W.: *See—*
Elkins, William, granted to United States National Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457 Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457; Connell, Eugene W.; and Alesna, Robert E., 3,832,735

Connell, Gordon Sidney, to Formflo Limited. Forming rolls. 3,846,999, 11-12-74, Cl. 72-68.000.

Connell, Gordon Sidney, to Formflo Limited. Rolling machines. 3,855,833, 12-24-74, Cl. 72-91.000.

Connell, Gordon Sydney, to National Research Development Corporation. Rolling machines. 3,803,890, 4-16-74, Cl. 72-107.000.

Connell, John G. Self-cleaning air flow bar for apparatus for making aggregate. 3,790,337, 2-5-74, Cl. 432-239.000.

Connell, Kenneth Percy, to National Cash Register Company, The. Method of employing a soluble matrix to maintain a plurality of objects in a fixed relationship. 3,808,668, 5-7-74, Cl. 29-423.000.

Connell, Lehman J.; and Johnson, Jeffrey L., to General Motors Corporation. Energy absorber for collapsible steering columns or the like. 3,788,148, 1-29-74, Cl. 74-492.000.

Connell, Lehman J.; and Durkee, Lyle H., to General Motors Corporation. Vehicle steering column installation. 3,827,710, 8-6-74, Cl. 280-87.00r.

Connell, Richard Allen, to Pitney-Bowes, Inc. Optical bar code reading method and apparatus having an X scan pattern. 3,818,444, 6-18-74, Cl. 340-146.30f.

Connelly, Daniel Joseph; Reuter, George Henry; and Rudy, James A., to Melchior Armstrong Dessau, Inc. Control circuit for preventing rapid recycling in automatic systems. 3,817,052, 6-18-74, Cl. 62-158.000.

Connelly, David M.; and Villani, Victor, to Connelly, David M., M.D., mesne and Villani, Victor. Method of replacing hair. 3,842,439, 10-22-74, Cl. 3-1.000.

Connelly, David M., M.D., mesne: *See—*
Connelly, David M.; and Villani, Victor, 3,842,439.

Connelly, Lawrence W.: *See—*
McCurdy, Richard H.; and Connelly, Lawrence W., 3,810,331.

Connelly, William N., to AICO Surgical Supports Co. Reversible (universal) radical pad and breast form combination. 3,807,412, 4-30-74, Cl. 128-481.000.

Conner, Algie J.: *See—*
Stine, Laurence A.; and Conner, Algie J., 3,844,973.

Conner, Algie J.; Strother, Charles W.; and Vermilion, Willas L., to Universal Oil Products Company. Fluidized catalytic cracking process. 3,785,962, 1-15-74, Cl. 208-164.000.

Conner, Algie J.; Dudych, Daniel; and Vermilion, Willas L., to Universal Oil Products Company. Regeneration apparatus. 3,843,330, 10-22-74, Cl. 23-288.00b.

Conner, Charles J., to United States of America, Agriculture. Process for brown mineral dyeings of cellulosics without oxidative degradation (tendering), from a single bath. 3,791,786, 2-12-74, Cl. 8-52.000.

Conner, Charles J., to United States of America, Agriculture. Single bath chromic chloride mineral dyeing process for cellulosics. 3,794,466, 2-26-74, Cl. 8-52.000.

Conner, Donald E.: *See—*
Zak, Henry; and Conner, Donald E., 3,855,290.

Conner, Frank E., Jr.; Fontalbert, Terry; McFarland, John W.; and Lewis, Don W., to FMC Corporation. Electrolytic cell having self-aligning anodes. 3,796,648, 3-12-74, Cl. 204-286.000.

Conner, Frank E., Jr., to FMC Corporation. Electrolytic cell having adjustable anode sections. 3,803,016, 4-9-74, Cl. 204-286.000.

Conner, James M.: *See—*
Purcell, William F. H.; Conner, James M.; and Pelly, Charles W., 3,802,530.

Conner, James M.; and Salvador, Henry J., to Polaroid Corporation. Photographic apparatus for motion picture projection. 3,794,399, 2-26-74, Cl. 312-244.000.

Conner, James Marvin, to Combustion Engineering, Inc. Recess template. 3,791,040, 2-12-74, Cl. 33-174.00g.

Conner, Jesse R., to Chemfix Inc., mesne. Method of making wastes non-polluting and disposable. 3,837,872, 9-24-74, Cl. 106-74.000.

Conner, Jessee R.; and Polosky, Ronald J., to Environmental Sciences, Inc. Method of improving the quality of leachate from sanitary landfills. 3,841,102, 10-15-74, Cl. 61-35.000.

Conner, Kenneth F.: *See—*
Conway, Edward F.; and Conner, Kenneth F., 3,845,658.

Conner, Michael E., to United States of America, Army. Matched pair of enhancement mode MOS transistors. 3,813,586, 5-28-74, Cl. 317-234.00r.

Conner, William R., Jr., to Stahl-Urban Company, mesne. Punch-tape-controlled sewing apparatus. 3,822,658, 7-9-74, Cl. 112-121.120.

Conner, William R., Jr., to Stahl-Urban Company. Drive for programmable sewing apparatus. 3,842,766, 10-22-74, Cl. 112-121.120.

Connerat, Edwin B., to Hennessy Products, Incorporated. Transport carrier and container securing structure. 3,817,570, 6-18-74, Cl. 296-35.00a.

Conners, Edward V., Jr.: *See—*
Egtvedt, Robert B.; Wolfer, Anthony J.; Conners, Edward V., Jr.; and Boomers, Jerry L., 3,802,016.

Conners, John P., to Giddings & Lewis, Inc. Automatic deceleration to zero velocity in iteratively computing numerical control systems. 3,798,427, 3-19-74, Cl. 235-151.110.

Conners, Richard G.: *See—*
Price, Frank D.; and Conners, Richard G., 3,792,193.

Connery, Arthur W.: *See—*
Pennisi, Joseph V.; and Connery, Arthur W., 3,853,280.

Connery, Colin A., to Calc Securities Systems, Inc. Tamper switch device for detection of relative motion. 3,849,614, 11-19-74, Cl. 200-61.410.

Connett, Hugh H., to Ucote Corporation, mesne. Article for the finishing of leather. 3,809,597, 5-7-74, Cl. 161-39.000.

Connick, William J., Jr.: *See—*
Ellzey, Samuel E., Jr.; and Connick, William J., Jr., 3,833,661.

Connolly, Franklin J.: *See—*
Vander Ploog, Cornelius J.; Henry, Arnold W.; and Connolly, Franklin J., 3,852,516.

Connolly, James P.: *See—*
Leon, Henry A.; Connolly, James P.; Hitchman, Maurice J.; and Humbert, John E., 3,782,334.

Connolly, Peter F.: *See—*
Drozdowski, Robert J.; Connolly, Peter F.; Massaglia, Italo M.; and Chlupsa, John Rudolph, 3,832,135.

Connollys (Blackley) Ltd.: *See—*
Tomlinson, Roy, 3,811,406.

Connon, Neil W., to Eastman Kodak Company. Synthesis of ethyl 4-haloacetoacetates. 3,786,082, 1-15-74, Cl. 260-483.000.

Connor, Daniel S.; and Krummel, Harry Karl, to Procter & Gamble Company, The. Detergent composition containing a polyfunction ally-substituted aromatic acid sequestering agent. 3,812,044, 5-21-74, Cl. 252-89.000.

Connor, Daniel S.; and Thompson, James E., to Procter & Gamble Company, The. Built detergent composition. 3,844,982, 10-29-74, Cl. 252-544.000.

Connor, David T.: *See—*
Strandtmann, Max Von; Connor, David T.; and Shavel, John, Jr., 3,784,600.

Connor, Edward C.: *See—*
Miskel, John J.; Kindt, Warren W.; and Connor, Edward C., 3,851,051.

Connor Engineering Corporation: *See—*
Day, Thomas L., 3,818,815.
Day, Thomas L., 3,848,799.

Connor, James E., Jr.; Rieve, Robert W.; and Shalit, Harold, to Atlantic Richfield Company. Process for preparing para-xylene. 3,836,603, 9-17-74, Cl. 260-673.500.

Connor, John S.; and Pugh, Robert E., to Fike Metal Products Corporation. Electrical control apparatus. 3,825,766, 7-23-74, Cl. 307-9.000.

Connor, Thomas George, to Babcock & Wilcox Limited. Metal panels. 3,802,853, 4-9-74, Cl. 29-183.000.

Connors, Donald J. Expendable raincoat and hood. 3,849,803, 11-26-74, Cl. 2-84.000.

Connors, John D.: *See—*
Moore, William C.; and Connors, John D., 3,812,847.

Connors, John J.; and Smith, Charles C., to Tappan Company, The. Guard for mechanical power press. 3,798,998, 3-26-74, Cl. 74-612.000.

Connors, John J. Strip gage change during rolling in a tanden rolling mill. 3,807,206, 4-30-74, Cl. 72-8.000.

Connors, John J. Gage control method and system for tandem rolling mills. 3,808,857, 5-7-74, Cl. 72-8.000.

Connors, John J.; Dolphin, Thomas J.; and Cook, John W. Gage control system and method for tandem rolling mills. 3,808,858, 5-7-74, Cl. 72-8.000.

Connors, Robert H.: *See—*
Muskat, Robert L.; Connors, Robert H.; Klopfenstein, King L.; and Stachnik, Michael S., 3,805,903.

Connors, Robert H.; and Klopfenstein, King L., to Triangle Package Machinery Company. Bulk weight servo control for packaging machines. 3,837,415, 9-24-74, Cl. 177-123.000.

Conoflow Corporation: *See—*
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Conoflow Europa N.V.: *See—*
Stamm, David Paul, 3,785,757.

Conolon Corporation, The: *See—*
Barnes, Richard D., 3,827,173.

Conover, George E., to Lynes, Inc. Tool for running on a drill string in a well bore. 3,850,240, 11-26-74, Cl. 166-162.000.

Conover, Haywood W. Combination boat hook and pole. 3,799,099, 3-26-74, Cl. 114-221.000.

Conover, Lloyd H.; and Woodward, Robert B., to Pfizer Inc. Octahydroanthracene-2-aminoacetic acids and esters and mixed anhydrides thereof. 3,829,453, 8-13-74, Cl. 260-351.000.

Conover, Lloyd H.; and Woodward, Robert B., to Pfizer Inc. D-ring substituted 6-deoxytetracyclines. 3,849,493, 11-19-74, Cl. 260-559.0at.

Conrac Corporation: *See—*
Eaton, Homer L.; and Shevell, Walter I., 3,821,525.

Conrad, Albert C.; and Maria, Paul N. Light flashing apparatus. 3,808,418, 4-30-74, Cl. 240-10.00g.

Conrad, Bernd: *See—*
Ortner, Lorenz; Heinzelmann, Karl-Georg; Conrad, Bernd; and Dierker, Joachim, 3,847,696.

Conrad, Cuno: *See—*
Erlenbach, Lutz; Conrad, Cuno; and Hermann, Rudolf, 3,806,320.

Conrad, Frank. Kick putt device. 3,829,091, 8-13-74, Cl. 273-67.00r.

Conrad, George A.: *See—*
Genzer, Jerome D.; and Conrad, George A., 3,829,498.

Conrad, Horst: *See—*
Dietrich, Werner; Uhlig, Konrad; Wagner, Kuno; Maaben, Dieter; Conrad, Horst; Bormann, Heinrich; and Piechota, Helmut, 3,793,268.
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Conrad Industries Inc.: *See—*
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Conrad, Jack R.: *See—*
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Conrad, Joseph D., Jr.; Gangloff, Wilmer C., Jr.; and Luongo, Michael C., to Westinghouse Electric Corporation. System and method for operating a steam turbine with independent overspeed protection expecially adapted for a nuclear reactor powered steam turine. 3,826,094, 7-30-74, Cl. 60-686.000.

Conrad, Joseph D., Jr.; and Gangloff, Wilmer C., Jr., to Westinghouse Electric Corporation. General system and method for operating a steam turbine with independent overspeed protection especially adapted for a nuclear reactor powered stem turbine. 3,826,05, 7-30-74, Cl. 60-686.000.

Conrad, Karl, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Take-off mechanism for sheet delivery apparatus used with a printing press. 3,831,932, 8-27-74, Cl. 271-182.000.

Conrad Kern AG: *See—*
Frei, Ernst, 3,818,657.

Conrad, Rene. Scalloped belt engaging tangent for ribbing on centering and idler tracking rollers. 3,812,732, 5-28-74, Cl. 74-240.000.

Conrad, Rene, to Dynaloc Corporation. Method for making self-centering pulleys. 3,831,243, 8-27-74, Cl. 29-148.40d.

Conrad, Richard, to I-T-E Imperial Corporation. Timing control circuit for solid state protective relays for providing novel control of the pickup and timing circuits provided therein. 3,792,313, 2-12-74, Cl. 317-27.00c.

Conrad, Richard A., to Litton Systems, Inc. Identification and polarization of msi/lsi assembly and receptacle. 3,786,393, 1-15-74, Cl. 339-17.00c.

Conrad, Robert F.: *See—*
Seem, Warren A.; and Conrad, Robert F., 3,803,674.

Conrad, Sherman E.; and Bintner, Dennis W., to Delavan Manufacturing Company. Foam generating nozzle. 3,836,076, 9-17-74, Cl. 239-8.000.

Conrad, Victoria N.; and Nemec, Charles A. Protective face mask. 3,828,366, 8-13-74, Cl. 2-174.000.

Conrad, Winthrop B., to Teleflex Incorporated. Method for manufacturing a gear wheel. 3,815,201, 6-11-74, Cl. 29-159.200.

Conrad-Stork B.V.: *See—*
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Van der Wijden, Franciscus Theodorus Maria, 3,830,320.

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Conrey, John P.: *See—*
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Conring, Imko: *See—*
Haberkorn, Gunther; and Conring, Imko, 3,802,292.

Conroy, George J.; and Parkinson, Howard E., to United States of America, Interior. Paging visual signal. 3,829,856, 8-13-74, Cl. 340-366.00r.

Conroy, John J.: *See—*
Gottlieb, Milton; and Conroy, John J., 3,794,937.

Conroy, Joseph E., Jr.: *See—*
Smithson, Harold R.; Conroy, Joseph E., Jr.; and Kardan, Cevat, 3,830,618.

Conroy, Lino: *See—*
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Conroy, Richard F. M.: *See—*
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Conroy, Richard M.: *See—*
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Conroy, Robert E., to Air Guard Industries. Athletic armor and inflatable bag assembly. 3,784,985, 1-15-74, Cl. 2-22.000.

Conroy, Robert E. Athletic armor and inflatable bag assembly. 3,854,228, 12-17-74, Cl. 36-71.000.

Conruyt, Pierre Y.; and Serrand, Jean-Pierre. High speed logical gates. 3,803,426, 4-9-74, Cl. 307-215.000.

Consarc Corporation: *See—*
Luchok, John; and Wooding, Patrick J., 3,782,445.
Luchok, John; and Wooding, Patrick J., 3,834,447.

Consentino, Augustine V.: *See—*
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Conserv Resources Inc.: *See—*
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Conservatome: *See—*
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Considine, Kevin T.: *See—*
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Considine, William: *See—*
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Consiglio Nazionale delle Ricerche: *See—*
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Boari, Gianfranco, 3,842,002.
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Chiolle, Antonio; Credali, Lino; Longi, Paolo, Greco, Francesco; and D'Angelo, Romano, 3,840,634.
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Consoli, Claudio C., to Carle & Montanari S.p.A. Mill for the refining the cocoa, chocolate, paints and other similar products. 3,840,190, 10-8-74, Cl. 241-117.000.

Consoli, Frank J.; Rebechini, Peter G.; and Beisch, Hanspeter E., to Skil Corporation. Rotary hammer power tool. 3,837,409, 9-24-74, Cl. 173-48.000.

Consoli, Nicholas R. Golf club for hazard surfaces. 3,830,503, 8-20-74, Cl. 273-167.00a.

Consoli, Sebastian A.: *See—*
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Consolidated Bathurst Limited: *See—*
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Consolidated Business Products: *See—*
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Consolidated Coal Company: *See—*
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Consolidated Edison Company of New York, Inc.: *See—*
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Consolidated Educational Publishing, Inc.: *See—*
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Consolidated Electric Corporation: *See—*
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Consolidated Foods Corporation: *See—*
Anderson, James; Lashia, Peter; and Holloway, Francis John, 3,803,815.
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Consolidated Foods Corporation; d/b/a Popsicle Industries: *See—*
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Consolidated Medical Equipment Inc.: *See—*
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Consolidated Natural Gas Service Co., Inc.: *See—*
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Massey, Lester G.; Tarman, Paul B., and Huebler, Jack, 3,812,048.
Tarman, Paul B.; and Massey, Lester G., 3,856,928.

Consolidated Natural Gas Service Co., Inc., mesne: *See—*
Eliot, Sigdon A., 3,816,064.
Janka, John C., 3,820,964.

Consolidated Novelty Co., Inc.: *See—*
Mottel, Alan, 3,819,457.
Mottel, Alan, 3,834,976.

Consolidated Paper (Bahamas) Limited: *See—*
Wilkinson, Michael C.; Blais, Leo; Martin, Wilhelm N.; and Tesainer, Silvano, 3,811,987.

Consolidated Papers, Inc.: *See—*
Damrau, Wayne A., 3,799,111.

Consolidated Rock Products, Company: *See—*
Vincent, Clifford A., 3,799,221.

Consolidated Video Systems, Inc.: *See—*
Hendershot, William B., III; Wald, David; and Whitlock, Larry K., 3,825,948.

Consolidated/Eureka Paperbox, Inc.: *See—*
La Tourette, Charles; and Mullen, Patrick E., 3,820,655.

Consolidation Coal Company: *See—*
Burr, John F.; and Powell, Gary L., 3,823,342.
Gorin, Everett; Kulik, Conrad J.; and Lebowitz, Howard E., 3,791,956.
May, Francis A., 3,783,487.
Petry, Eston, 3,784,126.

Consorti, Sebastian John. Laundry bag. 3,831,650, 8-27-74, Cl. 150-7.000.

Consortium fur Elektrochemische Industrie G.m.b.H.: *See—*
Frey, Volker; and Kreiss, Bernhard, 3,843,731.
Muller, Frank; Lohringer, Werner; Milles, Karl; Brauling, Herman; and Prigge, Helmut, 3,816,532.

Constant, James Nickolas. Real time synthetic radar. 3,790,939, 2-5-74, Cl. 343-10.000.

Constant, James Nickolas. Vector velocity system. 3,798,644, 3-19-74, Cl. 343-8.000.

Constant, James Nickolas. Synthetic radiometer and system for identifying objects. 3,858,203, 12-31-74, Cl. 343-6.5ss.

Constant, Marcel: *See—*
Carre, Roland; and Constant, Marcel, 3,800,235.

Constantin, Flavia T.: *See—*

Nastasi, Adrian Vasile; Zirna, Ion; Grigoriu, Ion Doru; Savu, Constantin L.; Stefanescu, Corneliu Nicolae; Iorga, Dumitru C.; Ghejan, Ion V.; Platon, Alexandru C.; Constantin, Flavia T.; Vilcu, Petru T.; Dumitrescu, Stelian GH.; and Bohiltea, Ion T., 3,793190.

Constantinescu, Petre B.; Barthon, Stefan; Dumitrescu, Constantin; and Alexandrescu, Mihail, to Institutul de Proiectari Al Industriei Usoare. Skylight turret with movable screen for industrial halls. 3,820,448, 6-28-74, Cl. 98-42.000.

Constantino, Petronilo C., & Associates: *See*—
Zoleta, Jose C., 3,817,043.

Constellation Corporation: *See*—
Paull, Stephen; and Crafton, Paul A., 3,854,310.

Construction Company Limited: *See*—
Tanaka, Tohachiro; Ishii, Kenichi; Sasaki, Seiya; and Shiraishi, Hiromi, 3,800,116.

Construction Forms, Inc.: *See*—
Binsfeld, George H., 3,813,068.

Construction Machinery Company: *See*—
Johnson, James E., 3,785,622.

Construction Materials, Inc.: *See*—
Binger, Wynn S.; Shope, Leonard L.; and Moey, Glenn W., 3,785,705.

Construction Plastics, Incorporated: *See*—
Epley, Lee R., 3,795,566.

Construction Specialties, Inc.: *See*—
Bartlett, Gary F.; and Zampetti, Patrick L., 3,825,229.
Betts, Kenneth H., 3,808,628.
McGeary, Frank L.; and Zampetti, Patrick L., 3,783,471.
Olsen, Robert W., 3,815,309.

Construction Technology, Inc.: *See*—
Lance, Raymond E., 3,827,507.

Constructions Edmond Coignat S.A.: *See*—
Fougea, Edouard Marie, 3,822,794.

Constructions Electrotechniques du Centre: *See*—
Hess, Jean-Marc; and Knop, Adolph, 3,824,517.

Constructions Mecaniques de Normandie: *See*—
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Constructions Mills K: *See*—
Coppel, Georges, 3,786,943.
Coppel, Georges, 3,827,365.

Constructions Navales et Industrielles de la Mediterrance C.N.I.M.: *See*—
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Nathan, Guy E.; and Varaud, Claude A., 3,839,963.

Constructors Supply Company: *See*—
Carson, William M., 3,810,312.

Construzioni Meccaniche (OSMEC di Piglin e Conz S.n.C.): *See*—
Conz, Loris, 3,803,870.

Consul GmbH: *See*—
Weissmann, Peter, 3,782,885.

Consulab Inc.: *See*—
Delisle, Jules; Deschenes, Pierre A.; and Leroux, Adrien, 3,805,158.

Consulta-Treuhand GmbH: *See*—
Eyer, Charles, 3,810,721.

Consumat Systems Inc.: *See*—
Fishback, James K., 3,844,233.
Hughes, Carroll T., Jr.; and Fishback, James K., 3,855,950.

Consumers Glass Company Limited: *See*—
Demers, Jacques; and Chartier, Robert, 3,844,439.
Steele, Barbara A.; and Gevaert, Lieven H., 3,817,729.

Consupak, Inc.: *See*—
Frazer, John S., 3,830,404.
Pollock, Donald M.; and Hallowell, Fulton W., 3,854,855.

Container Bins, Inc.: *See*—
Mayers, Gerald K., 3,809,264.

Container Company of New York: *See*—
Gilbert, Jack A.; and Franklyn, Stanley, 3,784,430.

Container Corporation of America: *See*—
Austin, Timothy K., 3,801,266.
Bernard, Vincent E.; and MacGregor, Duane F., 3,849,836.
Carpenter, John L., 3,790,065.
Carpenter, John L.; and Ostler, Charles R., 3,792,811.
Collura, Peter C.; and Kipp, Michael Allen, 3,847,282.
Desmond, John D.; and Hart, Joseph I., 3,851,815.
Gardner, Jeffrey M., 3,810,574.
Geisel, Charles E., 3,788,035.
Gilliam, Scott W., 3,792,562.
Koboldt, Melvin A., 3,837,523.
McCloud, Robert D., 3,827,622.
McGinley, Patrick; and Formica, Santo J., 3,814,239.
Miller, Ronald H.; and Radli, Bruce A., 3,836,104.
Murray, Lowell C.; and Hose, John M., 3,790,019.
Murray, Lowell C.; and Ruble, John G., 3,829,008.
Pilz, William M., III, 3,791,571.
Potts, Herbert M.; and Trutna, Maynard A., 3,786,915.

Container Equipment Corporation: *See*—
Allen, Russell W., 3,848,397.

Container Graphics Corporation: *See*—
Saunders, Philip G., 3,792,637.
Saunders, Philip G.; Simpson, Jack R.; and Peer, Daniel R., 3,827,322.
Simpson, Jack R., 3,805,657.

Contantinescu, Petre B.; Barthon, Stefan; Dumitrescu, Constantin; and Alexandrescu, Mihail, to Institutul de Proiectori al Industriei Usoare. Adjustable deflector made of prefabricated reinforced concrete members. 3,793,930, 2-26-74, Cl. 98-42.000.

Conte, John. Building structure for floors and roofs. 3,800,490, 4-2-74, Cl. 52-250.000.

Contel Corporation: *See*—
Polson, Jerry H., 3,844,273.

Contemporary, Inc.: *See*—
Deau, William J., 3,842,525.

Contemporary Products Inc.: *See*—
Polidori, Thomas P., 3,830,427.

Conti, Cesare L. Device for synchronizing the slackening of the needle thread with the thread cutting, with timing of the slackening of the needle thread and independent control of the delay of disc opening for lockstitch sewing machines. 3,782,313, 1-1-74 Cl. 112-252.000.

Conti, Gianni: *See*—
Bianchi, Massimo; and Conti, Gianni, 3,811,296.
Bianchi, Massimo; and Conti, Gianni, 3,828,584.

Conti, John A.: *See*—
Boucher, Raymond W.; Boudreau, Robert; and Conti, John A., 3,849,008.

Conti, Luciano: *See*—
Montanari, Fernando; Calcagno, Benedetto; and Conti, Luciano, 3,839,466.

Conti, Michele: *See*—
Carignani, Milvio; Conti, Michele; Dufour-Berte, Casimiro; Rossi, Geremia; Pasero, Edoardo; and Zmolnig, Hermann, 3,851,827.

Continental Aluminum Products Company: *See*—
Fink, Frederick M., 3,785,106.

Continental Can Company, Inc.: *See*—
Adomaithis, Domas, 3,833,700.
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Adomaitis, Domas, 3,848,041.
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Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Jeoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,807,209.
Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Geoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,842,631.
Booth, Clarence R., Jr., 3,825,174.
Borchert, Jerome A., 3,828,977.
Bowen, Paul E.; and Evans, Leigh D., 3,800,994.
Bozek, John S., 3,844,154.
Brennan, James Norton; and Mitchell, Americus, 3,800,578.
Catalano, James A., 3,848,732.
De Phillips, James V.; and Karka, Ronald O., 3,796,344.
Frankenberg, Henry E., 3,804,283.
Frankenberg, Henry E., 3,807,601.
Frankenberg, Henry E.; and Peyser, Harry A., 3,811,597.
Friendship, Kenneth Francis Montague, 3,845,791.
Garver, Edward B., 3,797,985.
Hekal, Ihab M.; and Chelton, Raymond G., 3,836,494.
Hellmer, Ernest W., 3,831,929.
Hentsch, Helmut O., 3,788,548.
Hilgenbrink, John T., 3,786,957.
Hilgenbrink, John T., 3,820,486.
Hilgenbrink, John T., 3,845,653.
Holk, Albert J., Jr., 3,819,083.
Holk, Albert J., Jr., 3,848,557.
Hougen, Gary A.; and Kloc, Henry F., 3,795,340.
Hougen, Gary A.; and Kloc, Henry F., 3,813,001.
Hougen, Gary A.; and Kloc, Henry F., 3,826,400.
Hougen, Gary A.; and Kloc, Henry F., 3,826,402.
Howeler, Warren F.; Radosh, Lubi; Roth, Donald J.; Wright, Norbert L.; Grek, John W.; Godsted, Kent B.; and Geuss, Joseph A., 3,857,265.
Kehe, Alfred W., 3,809,283.
Kennedy, John B., Jr., 3,828,670.
LaRocca, James J.; McGrail, John G.; and Mazur, Richard A., 3,850,123.
Lecinski, Frank H., Jr., 3,836,034.
Lecinski, Frank H., Jr., 3,857,507.
Lurie, Randolph D., 3,812,002.
Merz, Edmund H., 3,797,983.
Mohr, Glenn R., 3,794,802.
Mohr, Glenn R., 3,840,138.
Moller, Jens L.; and Ruekberg, Herbert S., 3,817,419.
Moller, Jens L., 3,828,963.
Moller, Jens L., 3,855,862.
O'Neill, Roger M.; and Kennedy, John B., Jr., 3,802,381.
Ostrem, Obert M., 3,795,341.
Pacilio, Joseph C., 3,833,339.

Pasternack, George, 3,804,736.
Peyser, Harry A.; and Ruekberg, Herbert S., 3,851,806.
Raatz, Helmuth E.; and Melzer, Eugene, 3,800,501.
Radlove, Sol B.; Ravve, Abraham; and Brown, Kenneth H., 3,804,735.
Radlove, Sol B.; Ravve, Abraham; and Brown, Kenneth H., 3,856,744.
Radlowe, Sol B.; Ravve, Abraham; and Brown, Kenneth H., 3,847,770.
Rarey, Kenneth W.; and Kennedy, John B., Jr., 3,824,924.
Roth, Donald J., 3,786,662.
Roth, Donald J., 3,797,294.
Schnell, Albert C.; Arends, Craig W.; and Zwikel, Dean N., 3,851,725.
Simoudis, John C., 3,804,602.
Stone, James N.; Wing, James H.; and Thomas, Frank B., III, 3,795,527.
Su, Chen-Jen, 3,804,938.
Szatkowski, Richard R., 3,833,692.
Szatkowski, Richard R., 3,841,479.
Szpitalak, Wesley J., 3,822,639.
Turner, Howard M., 3,806,587.
Vercillo, Peter A., 3,788,508.
Zavasnik, Fred J., 3,792,946.
Zipper, Donald H.; and Boik, Elmer J., 3,820,678.

Continental Carbon Company: *See*—
Thomson, Ely Knox, 3,804,136.

Continental Conveyor and Equipment Company: *See*—
Studdard, Donald T.; and Morrison, Thomas E., 3,810,678.

Continental Copper & Steel Industries, Inc.: *See*—
Kalifon, Sam, 3,857,091.

Continental Disc Corporation: *See*—
Solter, Robert L.; and Hansen, Franklin A., 3,834,581.

Continental Distributors, Inc.: *See*—
Brown, Fon R., Jr., 3,826,574.

Continental Drilling Co.: *See*—
Pack, Kenneth E., 3,810,495.

Continental Electronics Manufacturing Company: *See*—
Shafer, James F., 3,814,838.

Continental Energy Corporation, mesne: *See*—
Koppelman, Edward, 3,855,071.

Continental Gummi-Werke Aktiengesellschaft: *See*—
Bretschneider, Walter, 3,785,068.
Depmeyer, Lothar, 3,782,440.
Klopper, Friedrich; and Bullmann, Rolf, 3,833,324.
Sohnemann, Richard, 3,819,471.
Specht, Hans; Kroll, Bruno; and Gruttner, Alfred, 3,834,518.
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Continental Hair Products, Inc.: *See*—
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Continental Homes, Inc.: *See*—
Hazelett, Earl T., Jr., 3,789,102.
Powell, John Dillard, 3,811,235.

Continental Lektroniks Corporation: *See*—
Hunter, Robert E., 3,853,343.

Continental Linoleum Uion Bertiebs AG: *See*—
Joos, Pierre Emmanuel, 3,833,703.

Continental Oil Company: *See*—
Awan, Mohemmed M.; and Epperly, Albert D., 3,840,437.
Bishop, Clyde E., 3,855,303.
Bourne, Henry A., Jr.; and Schroeder, Rondon L., 3,853,182.
Carlberg, Bobbie L., 3,837,899.
Carlson, Jon R.; Banks, William P.; and Flood, Rodney L., 3,830,776.
Clark, Charles R.; Gregory, M. Duane; Kerfoot, Oliver C.; Veatch, Fred C.; Krehbiel, Delmar D.; and Kennedy, Carl D., 3,847,823.
Dahl, H. Douglas; Davis, J. Gilbert, II; and Ehlers, Peter L., 3,814,480.
Dahl, Herbert Douglas; and Edmond, Tibor O., 3,853,185.
Dahl, Hilbert D.; Haworth, Gordon R.; and Edmond, Tibor O., 3,853,186.
Dew, John N.; Boyer, Lyndon D.; and Gawel, Len J., 3,846,244.
Edmond, Tibor O., 3,827,512.
Fair, Delbert W., 3,792,751.
Ferrell, Ralph T., 3,829,520.
Fertl, Walter H.; Cavanaugh, Robert J.; and Hillhouse, John L., 3,785,446.
Folmer, Orville F., Jr., 3,853,503.
Fonseca, Anthony G., 3,846,535.
Fonseca, Anthony G., 3,848,056.
Gilchrist, James L., 3,812,353.
Gordon, Ronnie D.; and Starks, Charles M., 3,799,999.
Gordon, Ronnie D., 3,806,527.
Gordon, Ronnie D., 3,812,212.
Gordon, Ronnie D., 3,824,295.
Gordon, Ronnie D.; Johnson, Gary R.; Skinner, Joseph L.; and Leach, Bruce E., 3,830,859.
Gordon, Ronnie D., 3,836,592.
Gordon, Ronnie D., 3,840,605.
Gregory, M. Duane; Stolhand, James E.; and Yost, Marvin E., 3,842,270.
Hackett, Homer L.; and Starks, Charles M., 3,832,306.
Harmon, Richard A., 3,841,404.
Haworth, Gordon R.; Edmond, Tibor O.; and Poundstone, William N., 3,823,787.
Hudson, Joseph A., Jr., 3,804,908.
Hunt, Mack W., 3,785,976.
Hunt, Mack W., 3,816,310.
Johnson, Morris A.; and Yang, Kang, 3,812,211.
Johnson, Morris A.; Reedy, James D.; and Yang, Kang, 3,823,194.
Kellum, Jerome B.; and Smith, Bill, 3,835,738.
Kennedy, Carl D.; Butler, Claude D.; Krehbiel, Delmar D.; and Nicks, Gene E., 3,787,441.
Kennedy, Eugene F., 3,794,601.
Kerfoot, Oliver C.; Lundeen, Allan J.; Kennedy, Carl D.; and Wenterith, William A., 3,808,272.
Krehbiel, Delmar D.; and Butler, Claude D., 3,784,572.
Krehbiel, Delmar D.; Gregory, M. Duane; Clark, Charles R.; and Kennedy, Carl D., 3,804,170.
Krehbiel, Delmar D.; Gregory, M. Duane; Clark, Charles R., and Kennedy, Carl D., 3,804,171.
Krenowicz, Robert A.; and Scott, William P., 3,812,035.
Laufer, Robert J., 3,839,469.
Leach, Bruce E., 3,846,540.
Leach, Bruce E.; and Motz, Kaye L., 3,855,320.
Martin, Theodore T.; and Allen, Marvin C., 3,849,300.
Maxson, Orwin G.; and Achenbach, Gary D., 3,851,704.
McCain, David L., 3,845,990.
McGuire, Lindell V.; and Sparlin, Derry D., 3,815,680.
McGuire, Stephen E.; Stauter, John C.; and Kennedy, Carl D., 3,834,533.
McGuire, Stephen E.; Kennedy, Carl D.; and Stauter, John C., 3,845,862.
McMullan, Jeffrey S., 3,823,739.
Mehdizadeh, Parviz, 3,841,137.
Miller, Dale E., 3,838,335.
Miller, William J., 3,807,341.
Motz, Kaye L., 3,784,623.
Neuworth, Martin B., 3,786,100.
Pace, Gerald F.; and Shortridge, Earl W., 3,801,694.
Parsons, Roger C.; and Yang, Kang, 3,823,775.
Parsons, Roger C., 3,856,084.
Porchey, David V.; and Royer, Dennis J., 3,803,259.
Porchey, David V.; and Royer, Dennis J., 3,803,260.
Radd, Frederick J.; Oertle, Donald H.; and Wolee, Louis H., 3,801,158.
Romine, Hugh E., 3,812,036.
Romine, Hugh Ernest, 3,808,134.
Scott, William P., 3,785,974.
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Smith, John H., 3,851,049.
Starks, Charles M.; and Hood, Larry H., 3,791,343.
Starks, Charles M., 3,816,512.
Starks, Charles M., 3,818,043.
Starks, Charles M.; Johnson, Morris A.; and Yang, Kang, 3,839,399.
Starks, Charles M., 3,839,474.
Tarter, James H., 3,827,454.
Tarter, James H., 3,828,875.
Tarter, James H., 3,830,325.
Washecheck, Paul H.; Starks, Charles M.; and Portwood, Owen, Jr., 3,839,377.
Waters, Kenneth H., 3,846,026.
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Weimer, Dean R., 3,819,048.
Whitehouse, James W., 3,844,240.
Williams, Billy J.; Napier, Donald R.; and Schwab, Peter A., 3,839,473.
Wiseman, Minor R.; and Schoreder, Rondon L., 3,810,007.
Yost, Marvin E., 3,800,944.
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Continental Oil Company, mesne: *See*—
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Continental Scale Corporation: *See*—
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Hutchinson, William Y.; and Kushmuk, Walter P., 3,809,171.
Hutchinson, William Y.; and Kushmuk, Walter P., 3,827,515.

Continental Tapes, Incorporated: *See*—
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Continental Water Conditioning Corporation: *See*—
Burgess, William R., 3,842,870.

Continental-Wirt Electronics Corporation: *See*—
Worth, Sidney V., 3,840,840.
Worth, Sidney V., 3,858,159.

Continentalplastic AG.: *See*—
Flax, Valar, 3,824,145.

Contini, Leo, to Hogla Ltd. Method for tail sealing a flat film web material wound on a roll. 3,806,388, 4-23-74, Cl. 156-184.000.
Continuous Curve Contact Lenses, Inc.: *See—*
Brucker, Donald, 3,833,786.
Contois, Lawrence E., to Eastman Kodak Company. Electrophotographic element. 3,814,600, 6-4-74, Cl. 96-1.600.
Contourpedic Corporation: *See—*
Flicker, Bernard; Burridge, Robert E.; and Low, Frank H., 3,830,896.
Contractors Traffic Protection Co.: *See—*
Kanan, Bernard D., 3,802,667.
Contraves AG: *See—*
Gahwiler, Hermann, 3,852,666.
Gahwiler, Hermann, 3,854,088.
Schmied, Arthur, 3,818,597.
Contraves Antriebstechnik AG: *See—*
Kind, Burckart, 3,803,477.
Contrea, Aureliu; and Milos, Marin, to Institutul Agronomic Timisoara. Polyphosphate glass of polymetals useful in animal feed. 3,807,981, 4-30-74, Cl. 65-62.000.
Control Building Systems, Inc.: *See—*
Lowery, William E.; and Jennings, Roger G., 3,834,967.
Control Concepts, Inc.: *See—*
Zeuner, Kenneth W., 3,799,497.
Zeuner, Kenneth W., 3,818,927.
Control Data Canada, Ltd.: *See—*
Henshaw, Charles H.; and Boucherville, Benoit Jean, 3,838,814.
McDonald, George B., 3,834,222.
McDonald, George B.; and Mackintosh, George B., 3,837,220.
McDonald, George B., 3,852,741.
Control Data Corporation: *See—*
Barbour, William P., 3,810,424.
Blumke, Eugene G.; and Bergan, Kenneth N., 3,815,127.
Carter, James M., 3,845,434.
Chari, Srinivasan V., 3,816,776.
Cray, Seymour R.; and Roush, Maurice D., 3,832,603.
Cray, Seymour R., 3,833,889.
Ehrich, William G. E.; and Bigham, Jackson D., Jr., 3,816,645.
Garde, Lawrence; and Ritter, Rolland R., 3,838,448.
Mayer, William N.; Strom, Richard A.; and Ulstad, Meredith S., 3,790,849.
Meyer, Bruce L., 3,792,208.
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Seim, Howard N.; and Roebke, Neal E., 3,832,494.
Tate, Donald P., 3,814,924.
Tate, Donald P.; and Desmonds, Daniel J., 3,831,012.
Van Houwelingen, Jan; Van Osch, Gerardus Wouter Serge; and Weelink, Anton Maarten Herman, 3,824,171.
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Control Flow Systems, Inc.: *See—*
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Control Process, Incorporated: *See—*
Paulson, Donald C.; and Groleau, Rodney J., 3,807,914.
Paulson, Donald C.; and Groleau, Rodney J., 3,840,312.
Control Switch, Inc.: *See—*
Hopkins, Alton W., 3,848,434.
Hopkins, Alton W., 3,851,502.
Control Techniques Corporation: *See—*
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Control Valve Corporation: *See—*
Coffin, Harry S., 3,834,605.
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De Livois, Guy Baudelet, 3,783,684.
Controlled Printout Devices, Inc., mesne: *See—*
Ploeger, Walter, Jr.; and Bishop, John W. H., 3,819,026.
Controls Company of America: *See—*
Biermann, William A.; and Rice, John S., 3,793,837.
Biermann, William A., 3,799,190.
Ditzig, Albert F., 3,789,701.
Gebel, Irving; and Kahale, Abed G., 3,798,400.
Kothe, Erich, 3,845,265.
Kozel, James A.; and Ostrowski, Edwin A., 3,812,398.
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Orth, Charles D., 3,810,366.
Orth, Charles D.; Treder, Charles F.; and Griffoul, Marcel P., 3,810,488.
Orth, Charles D., 3,817,053.
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Controls Research Corporation: *See—*
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Arn, Fred A.; Dowicki, William J.; and Pierce, Howard E., 3,801,062.
Arn, Fred A., 3,838,844.
Controulis, John; Larsen, Kenneth N.; and Wheeler, Larry M., to Parke, Davis & Company. Water-soluble package. 3,823,816, 7-16-74, Cl. 206-.500.
Converse, David B. Guided tool. 3,827,822, 8-6-74, Cl. 408-110.000.
Converse, Gordon L.; and Mihulka, Merle C., to Twin Bay Industries, Inc. Template for use in the routing of workpieces. 3,789,892, 2-5-74, Cl. 144-144.500.
Converse, Gordon L.; and Mihulka, Merle C., to Twin Bay Industries, Inc. Apparatus for hanging doors. 3,807,720, 4-30-74, Cl. 269-40.000.
Converse, John O.; Korpi, Kenneth W.; and Diver, John R., to Hart-Carter Company. Vertical rotating screen separator. 3,794,166, 2-26-74, Cl. 209-301.000.
Converse, Vernon G.: *See—*
Grikscheit, Henry W.; and Converse, Vernon G., 3,820,386.
Converse, Vernon G., III; and Lizzio, Angelo A., to Scans Associates, Inc. Apparatus for testing carburetors. 3,851,523, 12-3-74, Cl. 73-118.000.
Conversion Chemical Corporation: *See—*
Beckwith, Merton M.; and Hsu, Grace F., 3,787,297.
Beckwith, Merton M., 3,839,098.
Beckwith, Merton M.; and Fong, Jaan-Jiue, 3,849,218.
Brough, Richard W., 3,816,186.
Hsu, Grace F., 3,785,939.
Convertex, Ltd.: *See—*
Marosi, Michael N., 3,849,207.
Marosi, Michael N., 3,849,208.
Convertine, Frank J.; and Ganance, Charles G., to General Mills Fun Group, Inc. Compressed air propelled toy vehicle and launching system. 3,789,540, 2-5-74, Cl. 46-202.000.
Conveyor Covers, Incorporated: *See—*
Emmenegger, Russell E., 3,844,404.
Conveyor Line Products, Inc.: *See—*
Richard, Jimmy W., 3,827,554.
Conveyor Systems, Inc.: *See—*
Burt, Harold S.; and Carvalho, Vasco O., 3,782,562.
Duffy, Torrence L., II, 3,803,556.
Conway, Bernard W.; and Moran, James, to Dexter, C. H., & Sons, Inc. Process of forming wet laid tufted nonwoven fibrous web from a viscous fibrous dispersion and product. 3,834,983, 9-10-74, Cl. 162-168.000.
Conway, Edward F.; and Conner, Kenneth F., to Magnaflux Corporation. Method of detecting flaws in the exterior surfaces of hollow workpieces. 3,845,658, 11-5-74, Cl. 73-104.000.
Conway, Gerard V.: *See—*
Charbonneau, Albert J.; Conway, Gerard V.; and Hucko, Henry, 3,798,583.
Conway, John J.; and Evesque, Roger A., to Jonson, S. C., & Son, Inc. Aerosol valve for low delivery rate. 3,854,636, 12-17-74, Cl. 222-402.240.
Conway, Joseph C., Jr., to United States of America, Navy. Theta-shaped test specimen for composite materials. 3,842,664, 10-22-74, Cl. 73-88.00r.
Conway, Patrick H., to Sperry Rand Corporation. Phase lock loop with sampling techniques for regenerating clock signal associated with data input signals. 3,840,821, 10-8-74, Cl. 331-14.000.
Conway, Patrick H. Signal conditioner and bit synchronizer. 3,851,266, 11-26-74, Cl. 328-162.000.
Conway, Robert W. Apparatus for aerating water. 3,790,140, 2-5-74, Cl. 261-62.000.
Conway, Terry Thomas, to Bristol-Myers Company. Synthesis for the preparation of 3-hydroxy-N-alkylisomorphinans. 3,803,151, 4-9-74, Cl. 260-285.000.
Conway, Walter D. Apparatus for filtration. 3,788,483, 1-29-74, Cl. 210-416.000.
Conway, William H.; and Aukland, Jerry C., to United States of America, Air Force. Four-horn radiometric tracking RF system. 3,836,972, 9-17-74, Cl. 343-100.0me.
Conwed Corporation: *See—*
Astedt, George; and Benasutti, Roger, 3,834,106.
Larsen, Ronald L., 3,790,326.
Larsen, Ronald L., 3,795,180.
Conwicke, Joel A., to Du Pont de Nemours, E. I., and Company. Barium- or sirontium-containing glass frits for silver metallizing compositions. 3,849,142, 11-19-74, Cl. 106-1.000.
Conwicke, Joel Alfred, to Du Pont de Nemours, E. I., and Company. Sintering aids for producing alumina dielectric compositions cofireable with palladium 3,801,337, 4-2-74, Cl. 106-73.400.
Conwicke, Joel Alfred, to Du Pont de Nemours, E. I., and Company. Disc Capacitor silver compositions. 3,824,127, 7-16-74, Cl. 117-227.000.
Conwicke, Joel Alfred, to Du Pont de Nemours, E. I., and Company. Vanadium based resistor compositions. 3,836,340, 9-17-74, Cl. 29-182.500.
Conz, Loris, to Construzioni Meccaniche (OSMEC di Piglin e Conz S.n.C.). Macnine for the instantaneous production of ice cream of one or more flavours. 3,803,870, 4-16-74, Cl. 62-342.000.
Conzelmann, Gerhard: *See—*

Kugelmann, Adolf; Conzelmann, Gerhard; Henninger, Ewald; Meyer, Dieter; and Seiler, Hartmut, 3,858,177.
Conzelmann, Gerhard; and Kugelmann, Adolf, to Bosch, Robert, G.m.b.H. Astable multivibrator and amplifier circuit with frequency control. 3,854,105, 12-10-74, Cl. 331-111.000.
Cook, Albert C.: *See—*
Grey, Donald M.; Cook, Albert C.; and Butler, Lee D., 3,795,327.
Cook, Albert C.; and Grey, Donald M., to Sperry Rand Corporation. Ball wagon. 3,804,267, 4-16-74, Cl. 214-8.50k.
Cook, Albert C.; and Butler, Lee D., to Sperry Rand Corporation. Disappearing bale wedge for a bale wagon. 3,807,580, 4-30-74, Cl. 214-6.00b.
Cook, Albert N.; Goetz, Lawrence R.; Manley, Paul A.; and Yelpo, Joseph P. Sewing machine and motor speed regulating system therefor. 3,789,783, 2-5-74, Cl. 112-220.000.
Cook, Albert W.; and Dernovshek, Joseph F., to Goodyear Tire & Rubber Company, The. Graphite and/or carbon disk with removable wear faces. 3,800,392, 4-2-74, Cl. 29-401.000.
Cook, Barry; and Randell, Donald Richard, to Ciba-Geigy Corporation. Substituted phenothiazines. 3,803,140, 4-9-74, Cl. 260-243.00a.
Cook, Barry, to Ciba-Geigy Corporation. Piperidine stabilizers for polymers. 3,850,877, 11-26-74, Cl. 260-45.80n.
Cook, Bernard D., to General Electric Company. Mounting apparatus for a surge voltage arrester. 3,856,242, 12-24-74, Cl. 248-20.000.
Cook, Calvin S.: *See—*
Lohr, Raymond J.; Cook, Calvin S.; and Seiersen, William K., 3,829,126.
Cook, Charles A., to Ethyl Corporation. Energy absorbing apparatus. 3,797,873, 3-19-74, Cl. 293-63.000.
Cook, Charles A.; and Hajduk, Thaddeus J., to Zenith Radio Corporation. Method of lacquering cathode ray tube panels. 3,832,211, 8-27-74, Cl. 117-33.50c.
Cook, Charles E.; and Bogotch, Stanley E., to Sperry Rand Corporation. Multiplicative signal processor for target detection systems. 3,808,594, 4-30-74, Cl. 343-17.20r.
Cook, Charles W.: *See—*
Caretto, Howard L.; Cook, Charles W.; and Johnson, Gustave A., 3,815,093.
Cook, Charles W., to Ball Corporation. Apparatus for positioning articles. 3,783,992, 1-8-74, Cl. 198-33.0ab.
Cook, Charles W., to Ball Corporation. Glass container angular displacement device. 3,785,473, 1-15-74, Cl. 198-33.0ac.
Cook, Charles W., to Avco Corporation. Alarm signal channel control circuit for burgler and fire alarm system. 3,831,164, 8-20-74, Cl. 340-276.000.
Cook, Charles W., to Avco Corporation. Open circuit and ground detector for fire and burglar alarm system. 3,846,793, 11-5-74, Cl. 340-409.000.
Cook, Christie K. Pressure relief vent. 3,814,123, 6-4-74, Cl. 137-493.900.
Cook, Clayton C.; and Pope, Roy M., to Aluminum Company of America. Tapering fluidized bed chamber. 3,816,078, 6-11-74, Cl. 23-277.00r.
Cook, Cleo E.: *See—*
Jones, Dana C.; Cook, Cleo E.; and Murray, Alfred K., 3,834,175.
Cook, David E.; and Clapp, John W., Jr., to Eastman Kodak Company. Method and apparatus for continuously detecting abnormal cross-sectional areas in running tow. 3,796,094, 3-12-74, Cl. 73-159.000.
Cook, David Langman, to Square D Company. Mechanically held latch attachment for an electromagnetic relay. 3,812,440, 5-21-74, Cl. 335-167.000.
Cook, Donald F. Floating chemical feeding and chemical process plant for water purification. 3,833,122, 9-3-74, Cl. 210-207.000.
Cook, Edward H., Jr.: *See—*
Schultz, Robert F.; and Cook, Edward H., Jr., 3,824,174.
Schultz, Robert F.; and Cook, Edward H., Jr., 3,824,175.
Schultz, Robert F.; and Cook, Edward H., Jr., 3,826,731.
Schultz, Robert F.; and Cook, Edward H., Jr., 3,826,732.
Schultz, Robert F.; and Cook, Edward H., Jr., 3,826,733.
Schultz, Robert F.; and Cook, Edward H., Jr., 3,836,450.
Cook, Edward H., Jr.; and Snyder, Daniel J., to Hoaker Chemical Corporation. Reactivation of cathodes in chlorate cells. 3,799,849, 3-26-74, Cl. 204-95.000.
Cook, Edward H., Jr.; Emery, Alvin T.; and Schoepfle, Blaine O., to Hooker Chemical Corporation. Patching damaged cation-active permselective diaphragms. 3,852,135, 12-3-74, Cl. 156-94.000.
Cook, Elton S.; and Fujii, Akra, to Stanley Drug Products, Inc. Methods and compositions for inducing resistance to bacterial infections. 3,843,798, 10-22-74, Cl. 424-319.000.
Cook, Eugene B., to Allis-Chalmers Corporation. Gyratory crusher with external dynamic balancing assembly. 3,809,324, 5-7-74, Cl. 241-210.000.
Cook, Forrest W.: *See—*
Brown, Morris C.; Cook, Forrest W.; Kalert, Ralph E.; Vollmer, Arthur C.; and Winkley, Jerry H., 3,857,908.
Cook, Frank M., to Cincinnati Butchers' Supply Company, The. Accumulative trolley conveyor. 3,837,288, 9-24-74, Cl. 104-162.000.
Cook, Galen B. Tongue extender. 3,809,094, 5-7-74, Cl. 128-321.000.
Cook, George H.; and Baldi, Alfonso L. Continuous diffusion coating. 3,824,122, 7-16-74, Cl. 117-107.20p.
Cook, George W.: *See—*
Milne, David T.; and Cook, George W., 3,801,918.
Cook, George W.; and Milne, David T., to United States of America, Navy. Direct measurement of ship body distortion using a laser beam. 3,790,276, 2-5-74, Cl. 356-5.000.
Cook, Gerald H.: *See—*
Baker, Philip G.; Cook, Gerald H.; and Downey, Rogers B., 3,820,149.
Cook, Gerald H.; and Friedman, Melvin, to Polaroid Corporation. Film handling cassette having reel locking means. 3,807,840, 4-30-74, Cl. 352-72.000.
Cook, Gerald H., to Polaroid Corporation. Photographic cassette having an improved film operated processing system. 3,812,515, 5-21-74, Cl. 354-319.000.
Cook, Gerald H., to Polaroid Corporation. Film reel with a chordal connection slot. 3,814,344, 6-4-74, Cl. 242-74.000.
Cook, Gordon Henry; Fawcett, John Anthony; and Whitehead, Gordon, to Rank Organisation Limited, The. Beam splitting prisms. 3,802,763, 4-9-74, Cl. 350-173.000.
Cook, Harold D., to Teletype Corporation. Cathode ray tube display device including test probe adapter. 3,787,618, 1-22-74, Cl. 178-6.800.
Cook, Harold D., to Teletype Corporation. Display apparatus with visual segment indicia. 3,827,041, 7-30-74, Cl. 340-324.0ad.
Cook, Harry E., to Ford Motor Company. Releasable caliper retaining means for a disc brake. 3,782,508, 1-1-74, Cl. 188-73.300.
Cook, Harry E.; and Janosi, Francis L., to Ford Motor Company. Caliper retaining means for a motor vehicle disc brake. 3,782,509, 1-1-74, Cl. 188-73.300.
Cook, Harvey A., to TRW Inc. Electrical means for varying spark timing of an internal combustion engine. 3,791,357, 2-12-74, Cl. 123-117.00r.
Cook, Henry A.: *See—*
Strong, Herbert W.; Radway, Jerrold E.; and Cook, Henry A., 3,784,680.
Cook, Henry A.; and Radway, Jerrold E., to Basic Incorporated. Treatment of flue gases and the like. 3,826,812, 7-30-74, Cl. 423-242.000.
Cook, Henry D., to K & M Enterprises, Incorporated. Spray bar with guide wheels and stabilizing poles. 3,831,848, 8-27-74, Cl. 239-104.000.
Cook, Jack E.: *See—*
Holmen, Reynold E.; and Cook, Jack E., 3,836,227.
Cook, James J. Stack-wall. 3,788,026, 1-29-74, Cl. 52-749.000.
Cook, Jay E. Ball receiving, metering and projecting system. 3,815,907, 6-11-74, Cl. 273-30.000.
Cook, Jeffrey A.: *See—*
Hanneman, Thomas W.; and Cook, Jeffrey A., 3,845,253.
Cook, Jerry J. Pumping device for liquids. 3,837,766, 9-24-74, Cl. 417-414.000.
Cook, John A.: *See—*
Longoria, Juan, III; and Cook, John A., 3,819,541.
Cook, John E., to Owens-Illinois, Inc. Self-aligning shear blade holders. 3,850,607, 11-26-74, Cl. 65-334.000.
Cook, John F., to Telectron, Inc. Door control system providing automatic delayed door reversal. 3,783,556, 1-8-74, Cl. 49-25.000.
Cook, John Hayward, to English Numbering Machines, Limited. Rotary index mechanisms. 3,802,282, 4-9-74, Cl. 74-128.000.
Cook, John N.; and Madalinski, Charles L., Jr., to Motorola, Inc. Bidirectionally actuated switch mechanism. 3,854,016, 12-10-74, Cl. 179-167.000.
Cook, John Stone; and Marcatili, Enrique Alfredo Jose, to Bell Telephone Laboratories Incorporated. Butt-joined optical fibers. 3,825,319, 7-23-74, Cl. 350-96.0wg.
Cook, John W.: *See—*
Connors, John J.; Dolphin, Thomas J.; and Cook, John W., 3,808,858.
Peterson, Robert S.; Cook, John W.; and Bolkey, Harold B., 3,782,151.
Peterson, Robert S.; and Cook, John W., 3,848,443.
Cook, John W. Toilet flush apparatus. 3,831,204, 8-27-74, Cl. 4-57.00r.
Cook, John W., to Westinghouse Electric Corporation. Work strip gauge change during rolling in a tandem rolling mill. 3,852,983, 12-10-74, Cl. 72-12.000.
Cook, Kenneth J., to Beaumont, William, Hospital. Centrifuge speed control. 3,809,982, 5-7-74, Cl. 318-313.000.
Cook, Kenneth J.; and Korwitz, Norman H., to Beaumont, William, Hospital. Bed egress alarm circuit. 3,852,736, 12-3-74, Cl. 340-279.000.
Cook, Leo W., to Borg-Warner Corporation. Clutch driven member assembly with vibration damper. 3,799,309, 3-26-74, Cl. 192-106.200.
Cook, Lucien H., to Chemical Construction Corporation. Urea synthesis process. 3,816,528, 6-11-74, Cl. 260-555.00a.

Cook, Luther N. Mounting of coins in the pages of coin albums. 3,844,410, 10-29-74, Cl. 206-.830.

Cook Machinery Company, Division of Wire Technology & Machinery Company: *See—*
Bravin, Ben, 3,831,412.

Cook, Marvin K., to MacAndrews & Forbes Company. Sweetening agent. 3,851,073, 11-26-74, Cl. 426-217.000.

Cook, Melvin A.; Udy, Lex L.; Hagmann, Mark J.; and Jessop, Harvey A., to Ireco Chemicals. Explosive compositions containing calcium netrate. 3,787,254, 1-22-74, Cl. 149-60.000.

Cook, Melvin Alonzo; Funk, Albert G.; and Hansen, Gary L., to Ireco Chemicals. Method of blasting under high pressure conditions at elevated and normal temperatures. 3,811,971, 5-21-74, Cl. 149-92.000.

Cook, Melvin W.: *See—*
Cook, Melvin W.; and Begley, Donald E. (said Begley assor to said), 3,783,127.

Cook, Melvin W.; and Begley, Donald E., said Begley assor to said Cook, Melvin W. Combination concentrator-dialyzer device. 3,783,127, 1-1-74, Cl. 210-22.000.

Cook, Neal A.; and Friedenfeld, Gerard. Vehicle space closing means. 3,834,752, 9-10-74, Cl. 296-1.00s.

Cook, Newell C., to General Electric Company. Process for tantalliding and niobiding base metal compositions. 3,814,673, 6-4-74, Cl. 204-39.000.

Cook, Norman K.: *See—*
Juelke, Charles V.; and Cook, Norman K., 3,816,520.

Cook Paint and Varnish Company: *See—*
Frizelle, Gerald L., 3,857,818.
Leonard, David P., 3,806,480.
Wright, Howard J.; and Bradley, John W., 3,808,163.
Wright, Howard J., 3,812,202.

Cook, Raymond F. Leveling and stabilizing device. 3,844,582, 10-29-74, Cl. 280-150.500.

Cook, Reginald Kenneth; and Burylo, Piotr Stanislaw. Fluid-cooled nuclear reactor. 3,834,987, 9-10-74, Cl. 176-59.000.

Cook, Richard L., to Goodyear Aerospace Corporation. Self-sealing container. 3,801,425, 4-2-74, Cl. 161-190.000.

Cook, Richard S.: *See—*
Bayer, Horst O.; Cook, Richard S.; and Von Meyer, William C., 3,821,376.

Cook, Richard S., to PPG Industries, Inc. Fluidized solids reactor with refractory lining. 3,813,225, 5-28-74, Cl. 23-284.000.

Cook, Robert C., to Centre de Recherche Industrielle du Quebec. Method for making an integrated circuit apparatus. 3,810,301, 5-14-74, Cl. 29-593.000.

Cook, Robert G.: *See—*
Groth, Clarence N.; Hempel, James N.; Wieczorek, Robert A.; Meyer, Charles F.; and Cook, Robert G., 3,809,965.

Cook, Robert G., to Square D Company. Solid state timing circuit. 3,809,970, 5-7-74, Cl. 317-141.00s.

Cook, Robert Lewellyn, to Flavor Pict, Inc. Tomato plant tying machine. 3,785,087, 1-15-74, Cl. 47-1.000.

Cook, Roger J.; and McGeachy, Donald E., to Numatics, Incorporated. Connector for plastic tube. 3,817,562, 6-18-74, Cl. 285-233.000.

Cook, Roland A.; and Counter, Frederick T., to Lilly, Eli, and Company. Method of producing animal cells in suspension culture. 3,850,748, 11-26-74, Cl. 195-1.800.

Cook, Ronald; Guppy, John Reginald; and Howells, John D., to British Aircraft Corporation. Signal Processing method and apparatus. 3,810,027, 5-7-74, Cl. 328-129.000.

Cook, Ronald Joseph, to Matburn (Holdings) Limited. Surgical operation table. 3,851,870, 12-3-74, Cl. 269-322.000.

Cook, Rufus L., to United States of America, Navy. Transducer. 3,851,300, 11-26-74, Cl. 340-8.00r.

Cook, Rufus L., to United States of America, Navy. Transducer for FM sonar application. 3,854,060, 12-10-74, Cl. 310-9.600.

Cook, Russell E., to Ranco Incorporated. Cold weather starting control means for refrigerating systems. 3,792,592, 2-19-74, Cl. 62-158.000.

Cook, Russell P., to Polaroid Corporation. Underwater camera housing with means for manipulating a flash unit. 3,832,720, 8-27-74, Cl. 354-64.000.

Cook, Russell P., to Polaroid Corporation. Underwater housing for enclosing photographic apparatus. 3,832,725, 8-27-74, Cl. 354-64.000.

Cook, Sanford L.: *See—*
Wilder, Charles M. G.; and Cook, Sanford L., 3,834,101.

Cook, Terence John: *See—*
Davies, Owen Mansel; Olive, Martin Frederick; Cook, Terence John; and Hilder, Graham Keith, 3,791,960.

Cook, Terence John; and Olive, Martin Frederick, to British Petroleum Company Limited, The. Isomerisation of paraffin hydrocarbons. 3,789,082, 1-29-74, Cl. 260-683.680.

Cook, Thomas A.: *See—*
United States of America, National Aeronautics and Space Administration, 3,790,037.

Cook, Thorsten P., to Goldmark Communications Corporation. Automatic skew corrector having tension control. 3,821,801, 6-28-74, Cl. 360-70.000.

Cook, Wallace H. Tab top can opener. 3,845,675, 11-5-74, Cl. 81-3.30r.

Cook, Webster Warren; and Maitland, James A. Method of reducing sulphur dioxide emissions from coal. 3,823,676, 7-16-74, Cl. 110-1.00j.

Cook, Willard P.; and Baker, J. Howard, to Scott & Williams, Inc. Pneumatic yarn feeder device for knitting machines. 3,813,900, 6-4-74, Cl. 66-125.00r.

Cook, William: *See—*
Hamilton, Earle M.; and Cook, William, 3,857,687.

Cook, William A.: *See—*
Lerwick, Everett R.; and Cook, William A., 3,811,446.

Cook, William G.: *See—*
Price, Robert B.; Hosterman, Richard N.; and Cook, William G., 3,795,155.

Cook, William George: *See—*
Gill, Ronald Yaxley; and Cook, William George, 3,804,271.

Cook, William H.: *See—*
Lombardi, Frank G.; Hostettler, Fritz; and Cook, William H., 3,806,473.

Cook, William H., to Custom Electronic Systems, Inc. Unitarily cast hammer. 3,844,321, 10-29-74, Cl. 145-29.00r.

Cook, William Joseph; and Carlsen, Jon Erik Marius, to DIMO Holdings Limited of Llandowlais Works. Low pressure die castings apparatus. 3,804,152, 4-16-74, Cl. 164-306.000.

Cook, William R.: *See—*
Sheeley, Donald R.; Rion, James H.; Cook, William R.; and Biggs, William A., Jr., 3,787,283.

Cook, William R., Jr. Transmission bands. 3,842,952, 10-22-74, Cl. 188-249.000.

Cooke, Anson R.; and Gallagher, Nancy E., to Amchem Products, Inc. Method of inducing carontenoid accumulation in plant tissue. 3,833,350, 9-3-74, Cl. 71-98.000.

Cooke, Anson R.; Jacobs, Richard L.; and Compton, Ell Dee, to Amchem Products, Inc., mesne. Method of controlling plant growth with 3-substituted- pyrido (3,2-d) pyrimidine-2,4-(1H,3H)-dienes. 3,836,351, 9-17-74, Cl. 71-92.000.

Cooke, Clifford M. Hydraulic propulsion unit. 3,828,719, 8-13-74, Cl. 115-35.000.

Cooke, George A.: *See—*
Bacso, Imre; and Cooke, George A., 3,852,312.

Cooke, George A.; and Houlihan, William J., to Sandoz-Wander, Inc. Method of inhibiting inflammation using 1,4-disubstituted-methylenedioxy-2(1H)-quinazolinones and quinazolinthiones. 3,856,960, 12-24-74, Cl. 424-251.000.

Cooke, H. Sherwood: *See—*
Grossel, Stanley S.; Cunninghame, Andrew L.; and Cooke, H. Sherwood, 3,835,314.

Cooke, Harry F.; and Emery, Frank E., to Texas Instruments, Incorporated. Semiconductor devices. 3,808,474, 4-30-74, Cl. 317-234.00r.

Cooke, Harry G. Jr., to Du Pont de Nemours, E. I., and Company. Blasting cartridge and primer. 3,837,279, 9-24-74, Cl. 102-24.00r.

Cooke, Michael B. D.; and Kaplan, Ervin. System for whole body imaging and count profiling with a scintillation camera. 3,839,641, 10-1-74, Cl. 250-369.000.

Cooke, Richard C., Jr., to General Electric Company. Silicone composition containing pretreated silica filler. 3,826,773, 7-30-74, Cl. 260-37.0sb.

Cooke, Robert E.: *See—*
Roe, Kenneth W.; Studwell, Ernest E.; and Cooke, Robert E., 3,846,046.

Cooke, Roger Ernest; and Conlon, Rodney Frederick Barker, to International Standard Electric Corporation. Broadband injection-tuned gunn diode microwave oscillator. 3,851,271, 11-26-74, Cl. 331-47.000.

Cooke-Varborough, Edmund Harry; Franklin, Ernest; and West, Colin Douglas, to United Kingdom Atomic Energy Authority. Stirling cycle heat engines. 3,805,527, 4-23-74, Cl. 60-517.000.

Cooke-Yarborough, Eustace. Screwdrivers and like tools. 3,789,896, 2-5-74, Cl. 145-54.000.

Cooke-Yarborough, Eustace. Screwdrivers and like tools. 3,802,517, 4-9-74, Cl. 173-18.000.

Cookes, Austin C., to Clark Equipment Company. Adjustable seat for an industrial truck. 3,827,747, 8-6-74, Cl. 296-65.00r.

Cooksey, John A.: *See—*
Barboni, Philip G.; and Cooksey, John A., 3,796,828.

Cooksey, William Harold, to Lucas, Joseph, (Industries) Limited. Vacuum operable units for ignition distributors. 3,847,063, 11-12-74, Cl. 92-100.000.

Cooksley, Ralph D. Heat transfer method and apparatus. 3,834,448, 9-10-74, Cl. 165-1.000.

Cookson, Alan H.: *See—*
Sletten, Andreas M.; and Cookson, Alan H., 3,856,978.
Sommerman, George M. L.; and Cookson, Alan H., 3,840,716.

Cookson, Alan H.; Farish, Owen; and Gauntz, John M., to Westinghouse Electric Corporation. Circuit interrupter with improved trap for removing particles from fluid insulating material. 3,814,879, 6-4-74, Cl. 200-144.000.

Cookson Company, The: *See—*
Hill, Martin Arthur; and Wardlaw, Russell, 3,850,465.

Wardlaw, Russel, 3,853,167.

Cookson Sheet Metal Developments Limited: *See—*
Cookson, William, 3,852,929.

Cookson, William, to Cookson Sheet Metal Developments Limited. Sheet fixing device. 3,852,929, 12-10-74, Cl. 52-543.000.

Cool Hans: *See—*
Grenendaal, Gradus Cornelis; Cool Hans; DeVos, Jacob; and Van Zuuren, Eduard Willem, 3,829,783.

Coolen, Josephus Henricus: *See—*
Vermeulen, Geert Jan; and Coolen, Josephus Henricus, 3,818,952.

Cooley, Austin C.; Bober, Thomas W.; and Zankowski, John S., to Eastman Kodak Company. Electrolytic cell for recovering metals from solution. 3,840,455, 10-8-74, Cl. 204-269.000.

Cooley, Charles O. Magnetic phase difference meter. 3,816,814, 6-11-74, Cl. 324-83.00a.

Cooley, Denton A.: *See—*
Talonn, Daniel A.; and Cooley, Denton A., 3,853,479.

Cooley, Richard F., to Owens-Illinois, Inc. Laser glass host compositions comprising TeO_2, B_2O_3 and ZnO. 3,836,868, 9-17-74, Cl. 331-94.500.

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Cooley, Richard F., to Owens-Illinois, Inc. Laser glass host compositions comprising TeO2 and BaO. 3,836,870, 9-17-74, Cl. 331-94.500.

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Cooley, Richard F., to Owens-Illinois, Inc. Laser glass host compositions comprising TeO_2, CaO and ZnO. 3,845,407, 10-29-74, Cl. 331-94.50e.

Cooley, Richard F., to Owens-Illinois, Inc. Laser glass host compositions comprising TeO_2, SrO and ZnO. 3,845,408, 10-29-74, Cl. 331-94.50e.

Cooley, Richard F., to Owens-Illinois, Inc. Laser glass host compositions comprising TeO_2,PbO and ZnO. 3,849,739, 11-19-74, Cl. 331-94.50e.

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Cooley, Stone D.: *See—*
Barone, Bruno J.; and Cooley, Stone D., 3,816,540.
Besozzi, Alfio J.; Cooley, Stone D.; and Potts, Fred E., III, 3,812,158.

Cooley, William C. Pulsed liquid jet device. 3,784,103, 1-8-74, Cl. 239-101.000.

Cooley, William C. Hydraulic powered hammer. 3,792,740, 2-19-74, Cl. 173-119.000.

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Coolidge, Anson S., to United Aircraft Products, Inc. Wing surface cooler. 3,837,395, 9-24-74, Cl. 165-47.000.

Coolidge, Richard M.: *See—*
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Coombe, Andrew J., to Britten-Norman (Bembridge) Limited. Aircraft. 3,807,665, 4-30-74, Cl. 244-55.000.

Coombe, Anthony John; Danisavich, Edward Anthony; Gniewek, Thomas Thaddeus, Jr.; Muhlmichl, Philip John; and Stuber, Robert Ernest, to Du Pont de Nemours, E. I., and Company. Fluid energy drying and grinding mill. 3,840,188, 10-8-74, Cl. 241-39.000.

Coombe, Thomas R., to Reuters Limited. System for providing a video display having differing video display formats. 3,801,961, 4-2-74, Cl. 340-154.000.

Coombes, William A.; Zavada, Richard A.; Hansen, John E.; Singleton, William A.; and King, Robert R., to Blaw-Knox Chemical Plants, Inc. Continuous hydrogenation of fatty materials. 3,792,067, 2-12-74, Cl. 260-409.000.

Coombs, Robert V.: *See—*
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Coombs, Robert V.; and Houlihan, William J., to Sandoz-Wander, Inc. Substituted naphtno pyrazoles. 3,843,664, 10-22-74, Cl. 260-296.00t.

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Coon, George M. Control for forced air heating and/or cooling system. 3,814,173, 6-4-74, Cl. 165-12.000.

Coon, Lewis Buel, Jr.; and Stocker, Hermann Walter, to Burroughs Corporation. Digital data copy duplication method and apparatus utilizing bit to bit data verification. 3,805,284, 4-16-74, Cl. 360-15.000.

Coon, Marvin D.: *See—*
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Coon, Marvin D., to Chevron Research Company. Fuel additives. 3,826,633, 7-30-74, Cl. 44-72.000.

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Coone, Joseph H., Jr.: *See—*
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Coone, Malcolm G. Apparatus for an aggregate pump. 3,854,694, 12-17-74, Cl. 251-5.000.

Cooney, William J., to GAF Corporation. Antistatic floor covering and textile structure. 3,823,056, 7-9-74, Cl. 161-67.000.

Cooney, William J., to GAF Corporation. Chelating compositions and detergent compositions pertaining to same. 3,852,213, 12-3-74, Cl. 252-181.000.

Coons, Everett A.; Poggiali, Lewis D.; and Jacalone, Richard P., to Olinkraft, Inc. Method for forming package. 3,813,844, 6-4-74, Cl. 53-32.000.

Coons, Everett A.; Poggiali, Lewis D.; and Jacalone, Richard P., to Olinkraft, Inc. Bathtub container. 3,814,302, 6-4-74, Cl. 229-23.00r.

Coons, Gex B. Pressurized storage container. 3,819,040, 6-25-74, Cl. 206-315.000.

Coons, John D.: *See—*
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Coons, Uzal E., to Wrigley, Wm., Jr., Company. Method and apparatus for discharging measured amounts of dough. 3,854,627, 12-17-74, Cl. 222-1.000.

Coons, William R., Jr.; Colvert, James H.; and Nelson, Gerald V., to Texaco Inc. Hydrocracking effluent cooling prior to hydrodesulfurization. 3,825,485, 7-23-74, Cl. 208-97.000.

Coontz, David: *See—*
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Coop, Thomas, to Princeton Applied Research Corporation. Rotating capacitor square wave filter and applications thereof. 3,793,599, 2-19-74, Cl. 333-70.00a.

Coop, Vernon W., to Snyder, Brazil H. Method of joining sheet metal, and sheet metal joints. 3,824,757, 7-23-74, Cl. 52-758.00d.

Coop, William Henry; Christian, Robert Dale; and Gaffney, John Stiles, to Celesco Industries Inc. Chaff dispensing system. 3,808,595, 4-30-74, Cl. 343-18.003.

Coope, Robert L., to Stevens Engineering, Incorporated. Apparatus for securing a wheel onto a shaft or the like. 3,844,666, 10-29-74, Cl. 403-355.000.

Cooper, Abraham J. Dental gestoration jig. 3,815,236, 6-11-74, Cl. 32-11.000.

Cooper, Albert S., Jr.: *See—*
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Cooper, Alfred. Safety closure cap. 3,784,047, 1-8-74, Cl. 220-40.00r.

Cooper, Barry John: *See—*
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Cooper, Barry John, to Johnson, Matthey & Co., Limited. Carbon molecular sieve catalysts. 3,793,224, 2-19-74, Cl. 252-423.000.

Cooper, Brian Frederick, to English Electric Valve Company, Limited. Devices incorporating cavity resonators. 3,784,849, 1-8-74, Cl. 310-8.200.

Cooper, Bryan Ewart: *See—*
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Cooper, Cleveland N., to Pandjiris Weldment Co., The. Self-centering chuck mechanism. 3,841,647, 10-15-74, Cl. 279-110.000.

Cooper, David: *See—*
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Cooper, Duane H.: *See—*
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Cooper, Duane H. Multidirectional sound reproduction. 3,856,992, 12-24-74, Cl. 179-1.0gq.

Cooper, Earl D.; and Hall, Dick S., to Phillips Petroleum Company. Heteropolysaccharides as stripping acids in recovery of polymer from solution. 3,821,185, 6-28-74, Cl. 260-94.70r.

Cooper, Edward Frank. Transmission unit. 3,808,899, 5-7-74, Cl. 74-203.000.

Cooper, Edwin & Company Limited: *See—*
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Cooper, Ernest A., to Foodmakers, Inc. Food handling equipment and method of use. 3,782,272, 1-1-74, Cl. 99-450.700.

Cooper, Erwin E., to Texas Instruments, Incorporated. Method and apparatus of scanning electromagnetic radiation using rotating detectors-emitters and control circuit. 3,786,269, 1-15-74, Cl. 250-334.000.

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Cooper, George W., to Fruehauf Corporation. Sway-arrest system. 3,825,128, 7-23-74, Cl. 212-15.000.
Cooper, George W., to Fruehauf Corporation. Spreader list, trim and skew adjustment means. 3,828,940, 8-13-74, Cl. 212-14.000.
Cooper, Gerald D.: *See*—
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Cooper, Geroge F. Portable barbecue assembly. 3,828,759, 8-13-74, Cl. 126-9.00r.
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Cooper, Glenn Adair; and Barham, Stanley H., to United States of America, Agriculture. Reducing defects in kiln drying lumber. 3,818,601, 6-25-74, Cl. 34-13.400.
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Cooper, James Joseph, Jr., to International Telephone and Telegraph Corporation. Insulation piercing connector for underground installation. 3,789,347, 1-29-74, Cl. 339-97.00r.
Cooper, James Joseph, Jr., to International Telephone and Telegraph Corporation. Electrical connector. 3,794,963, 2-26-74, Cl. 339-242.000.
Cooper, James Joseph, Jr.; and Schurter, Gary Lee, to International Telephone and Telegraph Corporation. Terminal connector. 3,813,635, 5-28-74, Cl. 339-22.00b.
Cooper, Jamshed Rustom, to Longyear Company. Adjustable mast for drilling apparatus. 3,815,690, 6-11-74, Cl. 173-44.000.
Cooper, Jerry D. Superheated electric arc steam generator. 3,854,032, 12-10-74, Cl. 219-383.000.
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Cooper, John Leslie Edward; and Morris, Peter Alan, to Cosham Engineering and Design Limited. Screen changer. 3,804,758, 4-16-74, Cl. 210-65.000.
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Cooper, Kenneth, to Westinghouse Electric Corporation. Cathode ray tube with inorganic phosphor and fiber optic face plate. 3,826,944, 7-30-74, Cl. 313-473.000.
Cooper, Kenneth W., to Borg-Warner Corporation. Air conditioning control system. 3,803,864, 4-16-74, Cl. 62-217.000.
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Cooper, Patricia P. Proteus resistant agar culture media. 3,825,474, 7-23-74, Cl. 195-103.50r.
Cooper, Paul W., to Castiglia, Frank J. Apparatus for retarding freezing of a fluid. 3,817,500, 6-18-74, Cl. 261-77.000.
Cooper, Peter J., to Cooperheat. Work piece heating and welding control system. 3,851,141, 11-26-74, Cl. 219-132.000.
Cooper, Philip G., to Kaiser Aerospace & Electronics Corporation. System for deriving azimuth steering commands from automatic direction finding equipment. 3,787,809, 1-22-74, Cl. 343-117.00r.
Cooper, Phillip V.; and Brendel, Albert E., to Lebow Associates, Inc. Ground reference network. 3,790,811, 2-5-74, Cl. 307-94.000.
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Cooper, Raymond Edward, to Liberty Industries, Inc. Exhaust gas treatment system. 3,841,828, 10-15-74, Cl. 432-222.000.
Cooper, Robert J.; and Dozier, Homer A. Ground anchor for mobile homes. 3,808,756, 5-7-74, Cl. 52-156.000.
Cooper, Ronald Charles; and Aldridge, Alan Albert, to Ilford Limited. Method of splicing of web material. 3,824,143, 7-16-74, Cl. 156-157.000.
Cooper, Ronald Charles, to Ilford Limited. Device for holding a stub end a spindle. 3,850,400, 11-26-74, Cl. 248-251.000.
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Cooper, Roy M.; and Putnam, Clair H., to Olin Corporation. Rotary cathode cell. 3,840,453, 10-8-74, Cl. 204-212.000.
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Cooper, Stuart B., to Honeywell Information Systems Inc. Multiplexing apparatus having interlaced and/or parellel data transfer with a data processor and communication lines. 3,804,987, 4-16-74, Cl. 179-15.00a.
Cooper, Theodore W. Method and system for open cycle operation of internal combustion engines. 3,792,690, 2-19-74, Cl. 123-3.000.
Cooper, Thomas H., to Combustion Engineering, Inc. Gate valve. 3,854,500, 12-17-74, Cl. 137-601.000.
Cooper, Thomas Henry; and Heil, Fred Bowman, Jr., to Combustion Engineering, Inc. Filter. 3,823,532, 7-16-74, Cl. 55-357.000.
Cooper, Thomas V. Portable electrically heated combination over boiler and open grate cooking unit. 3,837,270, 9-24-74, Cl. 99-339.000.
Cooper, Thomas William, to Dresser Industries, Inc. Rock bit maximum temperature recording apparatus. 3,802,269, 4-9-74, Cl. 73-343.00r.
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Cooprider, Rex C., to Diamond International Corporation. Dispensing pump. 3,785,532, 1-15-74, Cl. 222-207.000.
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Cope, Geoffrey Wilton; and Smith, Loren William, to Dresser Industries, Inc. Railway car center bearing assembly. 3,831,530, 8-27-74, Cl. 105-199.00c.
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Cope, James R.; and McCully, Everette R., to International Business Machines Corporation. Field and armature control in a reel motor servomechanism. 3,809,328, 5-7-74, Cl. 242-184.000.
Cope, Kenneth P.; and Pearce, Warren, Jr., to General Motors Corporation. Map and flood light assembly. 3,811,043, 5-14-74, Cl. 240-8.160.
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Copeland, Mark I.; O'Brien, William L.; and Blickensderfer, Robert, to United States of America, Interior. Oxyreaction strengthening of metals. 3,821,036, 6-28-74, Cl. 148-126.000.
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Coppa, Anthony P. Three-dimensional folded structure with curved surfaces. 3,788,934, 1-29-74, Cl. 161-17.000.
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Coppel, Georges, to Constructions Mills. K. Automatic type of load-carrying trolley and its applications to storage installations on one or more levels. 3,827,365, 8-6-74, Cl. 104-88.000.
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Copping, Bruce G., to A-T-O Inc. Bottle purging method. 3,804,133, 4-16-74, Cl. 141-6.000.
Copple, Christopher John: *See*—
Chisholm, Andrew Alexander; and Copple, Christopher John, 3,845,612.
Copplestone, Donald Sydney: *See*—
Burchall, Malcolm Arthur; Copplestone, Donald Sydney; Crowe, John Edward; Brand, Norman James; Bland, Ian Robert; Cryer, Terence Frederick; and Thompson, Robert Stuart, 3,840,798.
Coppock, Walter J.: *See*—
Newingham, Thomas D.; Amaroso, James R.; Coppock, Walter J.; and Williams, Edward S., 3,855,135.
Coppock, Walter J.; Amaroso, James R.; and Griffith, John Q., III, to Sun Oil Company of Pennsylvania. Textile-machinery lubricant composition. 3,813,338, 5-28-74, Cl. 252-42.100.
Coppock, Walter J.; Amaroso, James R.; and Griffith, John Q., III, to Sun Oil Company of Pennsylvania. Lubricant for spindles, needles or twister rings. 3,816,346, 6-11-74, Cl. 252-32.500.
Coppola, John, to Bunker Ramo Corporation. Modular push button switch assembly mounted on printed circuit board. 3,809,838, 5-7-74, Cl. 200-159.00r.
Coppola, Patrick S.; Sunderland, Luther D.; and Wildrick, Milton L., to General Electric Company. Servo system including flow voting redundant failure correcting hydraulic actuator. 3,813,990, 6-4-74, Cl. 91-1.000.
Cops, Michael Herbert: *See*—
Ironside, John Michael; Hodgson, Duncan Barry; Cops, Michael Herbert; and Williams, Malcolm, 3,824,574.
Copyer Co., Ltd.: *See*—
Abe, Yoshiharu; and Ito, Kenzo, 3,850,356.
Kitahara, Makoto; Ishikawa, Shozo; Arita, Tetsuo; and Dohi, Masaaki, 3,817,749.
Konno, Minoru; and Ichiki, Mitsuo, 3,854,344.
Coquery, Jean-Paul: *See*—
Chaurand, Patrice; Magnan, Regis; and Coquery, Jean-Paul, 3,789,111.
Coquillion, Jean; deceased (by Coquillion, Marie-Josephe; executrix); and Jay, Pierre, to Progil. Chlorinated dielectric liquids. 3,788,998, 1-29-74, Cl. 252-65.000.
Coquillion, Marie-Josephe: *See*—
Coquillion, Jean; and Jay, Pierre, 3,788,998.
Coquyt, Camiel J. Animal trap. 3,837,110, 9-24-74, Cl. 43-87.000.
Cor Tech Research Limited: *See*—
Vasishth, Ramesh C., 3,850,677.
Coral Audio Corporation: *See*—
Sato, Tadao; and Ebihara, Toshio, 3,783,311.
Coran, Aubert Y.: *See*—
Boustany, Kamee; and Coran, Aubert Y., 3,802,478.
Coran, Aubert Yaucher: *See*—
Boustany, Kamel; and Coran, Aubert Yaucher, 3,836,412.
Coran, Aubert Yaucher; and Kerwood, Joseph Edward, to Monsanto Company. N-(thio)-glutarimides and N-(thio)-adipimides. 3,832,348, 8-27-74, Cl. 260-239.30r.

Coran, Aubert Yaucher; and Kerwood, Joseph Edward, to Monsanto Company. N-(hydrocarbylthio) amides. 3,855,262, 12-17-74, Cl. 260-453.00r.

Corasanti, Eugene, to Consolidated Medical Equipment Inc. Electrode arrangement. 3,841,312, 10-15-74, Cl. 128-2.06e.

Corban, Claudiu. Hole cutter for film covered packages. 3,816,017, 6-11-74, Cl. 408-19.000.

Corbellini, Glauco. Arc foil blade for machine wires of paper making machines. 3,793,140, 2-19-74, Cl. 162-352.000.

Corbett, James C. Slide-in camper unit. 3,823,992, 7-16-74, Cl. 312-201.000.

Corbett, John Frank; and Fooks, Allen G., to Gillette Company, The. Dyestuff and method of making and using same. 3,856,788, 12-24-74, Cl. 260-244.00r.

Corbett, John Roger; and Percival, Albert, to Fisons Limited. 2-Trifluoromethylbenzimidazoles. 3,823,154, 7-9-74, Cl. 260-309.200.

Corbett, Luke W., to Esso Research and Engineering Company. Reconstituted asphalt paving compositions. 3,793,189, 2-19-74, Cl. 208-23.000.

Corbett, Paul M., to SCM Corporation. Electroslag refining flux compositions and process for making same. 3,857,702, 12-31-74, Cl. 75-94.000.

Corbett, Robert Lee, Jr. Heat transfer plates. 3,802,834, 4-9-74, Cl. 432-260.000.

Corbett, Thomas J., to General Motors Corporation. Easy-enter vehicle seat. 3,853,373, 12-10-74, Cl. 297-341.000.

Corbett, William J.: *See—*
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Corbiere, Claude. Process for storing textile filaments in knitted form. 3,849,847, 11-26-74, Cl. 28-72.160.

Corbin, Dennis Dale: *See—*
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Gabby, John Lester; Corbin, Dennis Dale; and Lowe, Jack Brunner, 3,809,764.

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Corbin, Marcel Pierre Ernest Marie: *See—*
Kuhn, Karl Walter; and Corbin, Marcel Pierre Ernest Marie, 3,783,842.

Corbineau, Jean G. Method of fashioning a dental prosthesis device and a temporary prosthesis device to put this method into effect. 3,793,728, 2-26-74, Cl. 32-6.000.

Corby, Neville Slater; Hunter, James Stuart; and Leng, John Lindley, to Imperial Chemical Industries Limited. Water-soluble azo dyestuffs containing cationic groups by coupling diazonium nitrophenyl compounds with homophthalimides. 3,849,393, 11-19-74, Cl.260-155.000.

Corcia, John T.: *See—*
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Corco, Inc.: *See—*
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Schieser, Warren J., 3,848,776.

Corcoran, Brian F.: *See—*
Boone, Jimmie H.; Chenkovich, Gary A.; Corcoran, Brian F.; Marley, Arley C., III; and Simpson, Robert D., 3,843,077.

Corcoran, Edward Michael, to Bell Telephone Laboratories, Incorporated. Indenting rheometer. 3,805,598, 4-23-74, Cl. 73-81.000.

Corcoran, Vincent J., to Martin Marietta Corporation. Laser control system. 3,820,037, 6-25-74, Cl. 331-94.50c.

Cord, Paul: *See—*
Feuillade, Georges; and Cord, Paul, 3,849,199.

Cordeiro, Rodney R.: *See—*
Petrides, Petros T.; Nickerson, Russell J.; Cordeiro, Rodney R.; and Dodson, James S., Jr., 3,838,244.

Cordel, Ted. Pivoting and lifting structure for sheeting building material. 3,822,023, 7-2-74, Cl. 214-1.0sw.

Cordell, Carl R., Jr. Fish lure. 3,782,024, 1-1-74, Cl. 43-42.310.

Cordell, Carl R., Jr. Open top compartmented lid. 3,824,733, 7-23-74, Cl. 43-54.50r.

Cordelle, Michel; Crescini, Jean; Glenat, Henri; and Salvi Antoine, to Commissariat a l'Energie Atomique. Method and device for providing compensation for gyromagnetic effect in yawing motion of craftcarried total-field magnetometers. 3,823,364, 7-9-74, Cl 324-.50r.

Corderman, Sidney A., to McIntosh Laboratory, Inc. Equalization system for power amplifier and loudspeaker system. 3,803,359, 4-9-74, Cl. 179-1.00d.

Corderoy, Henry Morgan, to ACI Operations Pty. Limited. Apparatus for assembling cartons and like containers. 3,800,681, 4-2-74, Cl. 93-59.0mt.

Cordes, Jacques: *See—*
Michaud, Roger P.; and Cordes, Jacques, 3,852,567.

Cordes, Linus F.: *See—*
Engeler, William E.; and Cordes, Linus F., 3,794,516.

Cordes, Linus F.; and Garfinkel, Marvin, to General Electric Company. Schottky barrier diodes. 3,849,789, 11-19-74, Cl. 357-15.000.

Cordes, Phil Heinrich: *See—*
Mensenkamp, Ewald; and Cordes, Phil Heinrich, 3,788,880.

Cordi, Vincent A.; and Gurski, Chester S., to International Business Machines Corporation. Item lister using a shift register. 3,811,115, 5-14-74, Cl. 340-172.500.

Cordiak, Robert P. Wheel guard. 3,796,465, 3-12-74, Cl. 301-37.0sa.

Cording, Eldon F., to Heede International, Inc. Crane trolley indicator. 3,796,322, 3-12-74, Cl. 212-63.000.

Cording, James Jr.; and Eskew, Roderick K. Process for reducing the hygroscopicity of dehydrated fruits. 3,833,747, 9-3-74, Cl. 426-289.000.

Cordis Corporation: *See—*
Tarjan, Peter F.; Goldstein, Jacob; and Simicich, Esperanto J., 3,804,082.
Terry, Reese S., Jr.; and Davies, Gomer L., 3,805,796.

Cordless Car Heater Co.: *See—*
Pfender, Emil, 3,818,884.

Cordoba, Gines Gascon. Device for breaking up compressed material packed in a sack. 3,841,572, 10-15-74, Cl. 241-202.000.

Cordoba, Raul J. Marsal. Chamber for testing soils with triaxial stresses. 3,820,385, 6-28-74, Cl. 73-84.000.

Cordon, Martin; and Pintenich, Brian J., to Colgate-Palmolive Company. Clear toothpastes containing visible agglomerates. 3,803,301, 4-9-74, Cl. 424-49.000.

Cordonnier, Gerard Anatole, to Le Materiel Compact. Apparatus for reading microdocuments. 3,811,763, 5-21-74, Cl. 353-77.000.

Cordova, Elmer. Aircraft hanger. 3,823,519, 7-16-74, Cl. 52-65.000.

Cordovani, John J.: *See—*
Close, Stanley Wayne; Cordovani, John J.; and Shaffer, William E., 3,829,619.

Cords, Frederick W., to Minnesota Automotive, Inc. Hydraulic actuator. 3,813,883, 6-4-74, Cl. 60-582.000.

Cordsen, Gerd: *See—*
Borse, Dietrich; Lockemann, Albert; and Cordsen, Gerd, 3,828,646.

Corduroy Rubber Company: *See—*
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Corein, Marcel Pierre Ernest Marie: *See—*
Kohn, Karl Walter; and Corein, Marcel Pierre Ernest Marie, 3,782,357.

Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., to Monsanto Company. Poly(vinyl acetate-dialkyl maleate-acrylic acid) textile sizes. 3,817,892, 6-18-74, Cl. 260-29.6ta.

Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., to Monsanto Company. Process for the preparation of a poly(vinyl acetate dialkyl maleate acrylic acid) textile size. 3,832,321, 8-27-74, Cl. 260-33.8ua.

Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., to Monsanto Company. Process for sizing textile materials. 3,854,990, 12-17-74, Cl. 117-139.50a.

Corey, Garland G.; Csorba, Francis S.; Torok, Karl A.; and Weinstein, Bernard, to American Home Products Corporation. Hard surface polishes. 3,793,275, 2-19-74, Cl. 260-28.50r.

Corey, Garland George, to Colgate-Palmolive Company. Keto acid containing compositions. 3,793,210, 2-19-74, Cl. 252-89.000.

Corey, Harold; Bakal, Abraham; Konigsbacher, Kurt; and Schoenholz, Daniel, to Snell, Foster D., Inc. Compressed compounded food product and method of making same. 3,812,268, 5-21-74, Cl. 426-146.000.

Corey, Harry S., III, to United States of America, Atomic Energy Commission. Optical method and system for measuring surface finish. 3,850,526, 11-26-74, Cl. 356-109.000.

Corey, Robert A. Construction siding members. 3,815,308, 6-11-74, Cl. 52-316.000.

Corey, Robert W.: *See—*
Wright, Raymond W.; and Corey, Robert W., 3,830,163.

Corhart Refractories Company: *See—*
Clishem, Thomas A.; Duerr, Francis R.; and Snook, Carl T., 3,818,112.

Coriale, Samuel D., to Xerox Corporation. Image compensation method and apparatus for electrophotographic devices. 3,788,739, 1-29-74, Cl. 355-17.000.

Corigliano, Rose. Reversible multi-purpose article carrier. 3,847,194, 11-12-74, Cl. 150-28.000.

Corini, Louis J., to Melbro Corporation. Thermoelectric-vacuum shipping container. 3,823,567, 7-16-74, Cl. 62-3.000.

Corish, Patrick Joseph; Kirkham, Malcolm Cedric; and Powell, Brian David William, to Dunlop Holdings, Limited. Vulcanizable compositions. 3,793,252, 2-19-74, Cl. 260-77.5cr.

Corken Pump Company: *See—*
Kennedy, Neal R.; and Kennedy, William A., Jr., 3,805,827.
Kennedy, William A., Jr., 3,811,792.

Corker, Alfred Eric, to Cox, Auther H., & Co. Ltd. Pharmaceutical compositions providing potassium chloride in aqueous solution. 3,822,344, 7-2-74, Cl. 424-44.000.

Corkery, Gregory O'C.; and Diehl, Raymond A., to Arundale Manufacturers, Inc. Method of welding thermoplastics to prevent warping. 3,801,405, 4-2-74, Cl. 156-306.000.

Corkins, Jack P., to Uniroyal, Inc. Acaricidal compositions for treating plants. 3,839,554, 10-1-74, Cl. 424-78.000.

Corkum, James L.; Schoepflin, David; and Taylor, Paul A., to Alden Self-Transit Systems Corporation. Transportation system electrical power distribution. 3,786,762, 1-22-74, Cl. 104-148.00r.

Corless, Lee M., to B & J Manufacturing Company. Tire mounting, bead seating and inflation apparatus and method of use. 3,805,871, 4-23-74, Cl. 157;1.100.

Corley, William P.: *See—*
Eddens, Fletcher C.; Corley, William P.; Salling, Jack Ronald; and McDonald, Ralph E., 3,784;137.

Corliss, Duncan S., to FMC Corporation. Stable dishwashing compositions containing sodium dichloroisocyanurate dihydrate. 3,816,320, 6-11-74, Cl. 252-99.000.

Corman, Daniel L. Longitudinal support post. 3,782,048, 1-1-74, Cl. 52-738.000.

Corman, Edward M.: *See—*
Balzer, Claude P.; Corman, Edward M.; Reiff, Almer A.; and Henry, Michael D., 3,849,958.

Corman, James C.: *See—*
Mc Laughlin, Michael H.; Walmet, Gunnar E.; and Corman, James C., 3,826,957.
Walmet, Gunnar E.; Corman, James C.; and McLaughlin, Michael H., 3,852,803.

Corman, James C.; Edgar, Robert F.; McLaughlin, Michael H.; and Tompkins, Russell E., to General Electric Company. Rotating electrical machine having rotor and stator cooled by means of heat pipes. 3,801,843, 4-2-74, Cl. 310-52.000.

Corman, James C.; and Walmet, Gunnar E., to General Electric Company. Heat transfer device. 3,828,849, 8-13-74, Cl. 165-105.000.

Corman, James C.; McLaughlin, Michael H.; and Walmet, Gunnar E., to General Electric Company. Double-sided heat-pipe cooled power semiconductor device assembly. 3,852,804, 12-3-74, Cl. 357-82.000.

Corman, James C.; McLaughlin, Michael H.; and Walmet, Gunnar E., to General Electric Company. Nonwicked heat-pipe cooled power semiconductor device assembly having enhanced evaporated surface heat pipes. 3,852,806, 12-3-74, Cl. 357-82.000.

Cormany, Joseph L., Jr.: *See—*
Bhakuni, Roop S.; and Cormany, Joseph L., Jr., 3,793,132.
Bhakuni, Roop S.; and Cormany, Joseph L., Jr., 3,803,035.

Cormey, Walter P.: *See—*
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Cormie, William Alexander: *See—*
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Cormier, Paul L., to Aqua Ski Launch Corporation. Floating platform from which to start water skiing. 3,817,364, 6-18-74, Cl. 193-2.00r.

Corn, Adolph D.: *See—*
Spiegel, Ray W.; Wassilak, Chester W.; and Corn, Adolph D., 3,854,762.

Corn, Prentice R.: *See—*
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Wolf, Walter A.; Gebhardt, Wallace A.; and Corn, Prentice R., 3,838,236.

Corn, Robert J., to United States of America, Navy. Closed-loop gun control system. 3,848,509, 11-19-74, Cl. 89-41.0aa.

Corn States Metal Fabricators, Inc.: *See—*
Carter, Russell W., 3,842,150.
Carter, Russell W., 3,854,852.

Cornacchia, Felice, to Fiat Societa per Azioni. Interlocking device for automobile doors. 3,819,228, 6-25-74, Cl. 296-146.000.

Cornair, Russell J., to International Basic Economy Corporation. Fluid motor pressure cylinder mounting apparatus. 3,785,252, 1-15-74, Cl. 92-161.000.

Cornair, Russell J.; and Nishida, Warren T., to International Basic Economy Corporation. Drill press feed unit. 3,805,630, 4-23-74, Cl. 74-89.210.

Cornair, Russell J. Multi-purpose support apparatus. 3,835,527, 9-17-74, Cl. 29-560.000.

Cornaro, Louis V.: *See—*
Curley, John L.; Franklin, Benjamin S.; Martland, Wallace A.; Donahue, Thomas; and Cornaro, Louis V., 3,796,996.
Curley, John L.; Donahue, Thomas J.; Franklin, Benjamin S.; Martland, Wallace A.; and Cornaro, Louis V., 3,821,709.

Cornelis, Clarence C.; and Hanna, Harry A., to United States of America, Atomic Energy Commission. Transparent anti-static device. 3,801,418, 4-2-74, Cl. 161-43.000.

Cornelison, Floyd S., Jr.; and Turner, Robert L. Golf instruction device. 3,820,130, 6-25-74, Cl. 354-34.000.

Cornelison, James J.: *See—*
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Johnson, Edgar G., Jr.; and Cornelison, James J., 3,826,621.

Cornelissen, Gerardus Antonius Petrus Maria: *See—*
Beyer, Louis Benjamin; Cornelissen, Gerardus Antonius Petrus Maria; Driessen, Antonius Jozephus Gerardus Cornelis; Jacobs, Cornelis Adrianus Joannes; and Siebers, Gerardus Henricus Maria, 3,842,304.

Cornelissen, Johannes; and Vreeburg, Robertus Antonius Marie, to U.S. Philips Corporation. Method of manufacturing a mixture for a borosilicate glass. 3,843,376, 10-22-74, Cl. 106-54.000.

Cornelius Company, The: *See—*
Birrell, Peter Leslie, 3,828,973.
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Cornelius Company, The, mesne: *See—*
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Cornelius, Edward B.; Delamater, George B.; Koester, David W.; and McEvoy, James E., to Air Products and Chemicals, Inc. Reforming catalyst and preparation. 3,786,001, 1-15-74, Cl. 252-464.000.

Cornelius, Gail, to Wade, R. M., & Co. Drive apparatus for an irrigation system. 3,795,365, 3-5-74, Cl. 239-212.000.

Cornelius, Gail, to Wade, R. M., & Co. Circular irrigation system with portable pivot point. 3,817,455, 6-18-74, Cl. 239-177.000.

Cornelius, Gail, to Wade, R. M., & Co. Apparatus for interconnecting a hydrant and a riser pipe. 3,854,759, 12-17-74, Cl. 285-251.000.

Cornelius, Gail L., to Wade, R. M., & Co. 90° Safety shutoff system for self-propelled sprinkling apparatus. 3,811,617, 5-21-74, Cl. 239-189.000.

Cornelius, Victor W. Removable vehicle tray. 3,800,939, 4-2-74, Cl. 206-19.50r.

Cornelius, Wolf: *See—*
Blass, Eckhart; Koch, Kurt-Henning; Cornelius, Wolf; and Gross, Bodo, 3,853,986.

Cornelius, Wolf; Gross, Bodo; Meiners, Jochen; Blass, Eckhart; and Koch, Kurt-Henning, to Schering Aktiengesellschaft. Method for continuously effecting solid-catalyzed liquid phase reactions in a bubble column-cascade reactor. 3,853,929, 12-10-74, Cl. 260407.000.

Cornell Aeronautical Laboratory, Inc.: *See—*
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Schneider, Clayton J., Jr., 3,792,663.
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Cornell, Alan Ananias: *See—*
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Cornell, Alverin M., to Cornell Forge Company. Method of making golf club head. 3,825,991, 7-30-74, Cl. 29-412.000.

Cornell, Edward P., to General Electric Company. Drive system for automatic meter reader. 3,842,268, 10-15-74, Cl. 250-231.0se.

Cornell Forge Company: *See—*
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Cornell, Paul A.; and Latta, Lynn H., to Electro-Clamp Corporation. Cable clamp with non-shearing jaws. 3,831,134, 8-20-74, Cl. 339-266.00r.

Cornell Research Foundation Inc.: *See—*
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Cornell, Richard D.: *See—*
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Cornell, Richard D., to Johnson Products, Inc. Hydraulic lash adjuster oil metering means. 3,799,129, 3-26-74, Cl. 123-90.360.

Cornell, Richard R., to Groovfold, Inc. Drawer construction. 3,826,554, 7-30-74, Cl. 312-330.000.

Cornell, Thomas V.; Smith, Wayne A.; and Wilkinson, Lester, to General Motors Corporation. Phase-lock-loop FM-stereo decoder including stereophonic/monophonic blend system for reducing audio distortion. 3,825,697, 7-23-74, Cl. 179-15.0bt.

Cornell, William H.; and Siedenstrang, Roy W., to Phillips Petroleum Company. Heat resistant vulcanizable blend of but adiene/styrene rubbers and ethylene-propylene-diene terpolymers. 3,821,152, 6-28-74, Cl. 260-336.0aq.

Cornell-Dubilier Electric Corporation: *See—*
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Cornella, Emanuel; and Cornella, Thomas E. Resistance heating system. 3,808,400, 4-30-74, Cl. 219-341.000.

Cornella, Thomas E.: *See—*
Cornella, Emanuel; and Cornella, Thomas E., 3,808,400.

Cornet, Jean; and Rossier, Dominique, to U.S. Philips Corporation. Method of manufacturing a solid semiconductor glass. 3,824,087, 7-16-74, Cl. 65-32.000.

Cornett, Walter G., III; and Gaspar, Donald G., to Respiratory Care, Inc. Method for molding and sealing thermoplastic containers. 3,851,029, 11-26-74, Cl. 264-89.000.

Cornett, Walter Goaz, III; and Van Amerongen, Edward, to Respiratory Care, Inc. Bottle containing fluid for inhalation therapy apparatus. 3,807,713, 4-30-74, Cl. 261-122.000.

Cornett, Walter Goza, III; and van Amerongen, Edward, to Respiratory Care, Inc. Reservoir for ultrasonically operated nebulizer. 3,806,100, 4-23-74, Cl. 261-1.000.
Cornford, Arthur Selwyn. Journal bearing. 3,784,265, 1-8-74, Cl. 308-73.000.
Cornford, Arthur Selwyn. Gear cutting machine with means for continuously controlling the position of the tool in accordance with the position of the carriage. 3,841,198, 10-15-74, Cl. 90-4.000.
Cornier, Sally P.; and Wymore, Charles E., to Dow Chemical Company, The. Process for preparing cyclic oligomers of N-substituted aziridines. 3,828,023, 8-6-74, Cl. 260-239.0bc.
Cornillault, Jean: *See*—
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Cornillault, Jean; and Joly, Francois, to Compagnie Industrielle des Lasers. Device for determining a granulometry curve of particle mixture. 3,807,864, 4-30-74, Cl. 356-102.000.
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Coski, William D., to Ingersoll-Rand Company. Shaft mounting means. 3,836,271, 9-17-74, Cl. 403-355.000.

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Costa, Giacomo; and Mestroni, Giovanni, to Snam Progetti S.p.A. Process for photochemical and thermal production of cobalt complexes. 3,809,632, 5-7-74, Cl. 204-158.00r.

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Costa, Gianmario; Monti, Giancarlo; Poretti, Isidoro; and Bagnoli, Alvaro, to Societa Italiana Telecomunicazioni Siemens S.p.A. PCM telecommunication system having means for temporary exclusion of voice channels under overload conditions. 3,811,013, 5-14-7, Cl. 179-15.0ba.

Costa, Michael J.; and Haberland, Peter H., to Greeson, James C., Jr. and International Business Machines Corporation. Gaseous discharge device and method of spacing the plates thereof. 3,808,497, 4-30-74, Cl. 313-182.000.

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Costes, Didier, to Commissariat a l'Energie Atomique and Electricite de France (Service National). Removable head pressure vessel, especially for boiling-water reactors. 3,834,452, 9-10-74, Cl. 165-47.000.

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Cotabish, Harry N.; Wise, Layton A.; and Buban, Elmer E., to Mine Safety Appliances Company. Emergency breathing apparatus. 3,794,030, 2-26-74, Cl. 128-202.000.

Cote, Paul; and Roy, Charles A., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Method and apparatus for detecting a projectile leaving the barrel of a gun. 3,787,770, 1-22-74, Cl. 324-178.000.

Cote, Raymond A.: *See—*
Shea, John V.; and Cote, Raymond A., 3,784,088.

Cote, Walter E., to United States of America, Air Force. Communications system having single RF channel diversity means. 3,842,352, 10-15-74, Cl. 325-56.000.

Cotey, John; and Poirier, Jean R., to Medspecs, Inc. Speculum. 3,847,143, 11-12-74, Cl. 128-17.000.

Cotreau, Alex P.; and Jacobs, John F., to USM Corporation. Positive drive roller planetary wave generator. 3,789,700, 2-5-74, Cl. 74-801.000.

Cotreau, Alex P.; and Sayce, Robert A. Hoist or the like. 3,807,697, 4-30-74, Cl. 254-173.00r.

Cotrel, Claude; Jeanmart, Claude; and Messer, Mayer Naoum, to Rhone-Poulenc S.A. Pharmacologically active 3-piperazinyl-carbonyloxy-2-pyridyl-isoindolin-1-ones. 3,847,921, 11-12-74, Cl. 260-268.0bc.

Cotswold Dairy Equipment U.S.A. Ltd.: *See—*
Van Zutphen, Clement J.; and Moran, Brian J., 3,814,291.

Cotta, Ernesto; Julita, Piera; and Sanfilippo, Aurora, to Societa' Farmaceutici Italia S.p.A. Antibiotic axenomycine and method for the preparation thereof. 3,853,991, 12-10-74, Cl. 424-121.000.

Cotten, Howell J.: *See—*
Jureit, John Calvin; Cotten, Howell J.; Castillo, Adolfo; and Leutwyler, Roy, 3,848,791.

Cotten, Whitworth W., Jr., to Harris-Intertype Corporation. High speed signal multiplexer. 3,801,748, 4-2-74, Cl. 179-15.00a.

Cotter, Ashby M. Screwdriver level. 3,816,864, 6-18-74, Cl. 7-1.00m.

Cotter, James B.: *See—*
Ginsburgh, Irwin; and Cotter, James B., 3,807,465.

Cotter, Mitchell A.: *See—*
Nadler, Bernard David; and Cotter, Mitchell A., 3,810,106.

Cotter, William L., to Darmtronics Engineering, Inc. Alarm detector with increased operating range. 3,786,467, 1-15-74, Cl. 340-258.00a.

Cotter, William L., to Gulf & Western Manufacturing Company, mesne. Ultrasonic alarm circuit. 3,801,977, 4-2-74, Cl. 340-258.00a.

Cotter, William L. Coordinated digitizer incremental system. 3,818,133, 6-18-74, Cl. 178-18.000.

Cotter, William W., Jr.: *See—*
Whitney, Paul V., Jr.; Bolen, Robert J.; and Cotter, William W., Jr., 3,854,898.

Cotterell, Robert Frederick Joseph. Method of molding heat-expandable thermo-plastic polymeric resinous granules involving enhanced distribution of the hot gaseous medium in the mold cavity. 3,809,735, 5-7-74, Cl. 264-51.000.

Cottis, Steve G.: *See—*
Economy, James; Cottis, Steve G.; and Nowak, Bernard E., 3,784,405.
Economy, James; Cottis, Steve G.; and Nowak, Bernard E., 3,816,417.
Economy, James; Cottis, Steve G.; and Nowak, Bernard E., 3,857,814.

Cottis, Steve G.; Economy, James; and Nowak, Bernard E., to Carborundum Company, The. Fabricable infusible para-oxybenzoyl polyester production. 3,829,406, 8-13-74, Cl. 260-47.00c.

Cottlieb, David: *See—*
Shier, Wayne Thomas; Rinehart, Kenneth L. Jr.; and Cottlieb, David, 3,833,556.

Cotton, Barton Lester: *See—*
Humiston, Gerald Francis; and Cotton, Barton Lester, 3,837,491.

Cotton, Charles C.: *See—*
Johnson, Walker P.; Cotton, Charles C.; Bon, David R.; and Peterson, Trules L., 3,845,937.

Cotton, Curran D., to Maytag Company, The. Clothes dryer control. 3,782,001, 1-1-74, Cl. 34-45.000.

Cotton, Curran D., to Maytag Company, The. Grounded control circuit. 3,824,476, 7-16-74, Cl. 328-4.000.

Cotton, Curran D., to Maytag Company, The. Ground sensitive control for electrical apparatus. 3,824,477, 7-16-74, Cl. 328-4.000.

Cotton, Curran K., to Maytag Company, The. Moisture sensing control for dryer. 3,822,482, 7-9-74, Cl. 34-44.000.

Cotton, Incorporated: *See—*
Gamarra, Jose P.; and Swidler, Ronald, 3,801,277.
Gamarra, Jose P.; Swidler, Ronald; and Wilson, Katherine W., 3,811,131.
Jones, Joseph Kennedy; and Smith, Milton Louis, 3,807,590.
LeBlanc, Robert Bruce, 3,827,907.
Lord, John G., 3,835,552.
Starr, John R.; and Drennan, Arthur P., 3,819,462.
Swidler, Ronald; and Wilson, Katherine W., 3,841,832.
Wilson, Katherine W.; Swidler, Ronald; and Gamarra, Jose P., 3,837,799.

Cotton Incorporated, mesne: *See—*
Lalor, William F., 3,822,656.

Cotton, John Michael: *See—*
Cole, Alun John; Cotton, John Michael; and Cosserat, David Cockburn, 3,787,813.

Cotton, Joseph Bernard; Mack, Peter Albert; and Price, Raymond, to Imperial Chemical Industries Limited and Imperial Metal Industries (Kynoch) Limited. Benzotriazole pre-lamination treatment of metal substrates. 3,837,964, 9-24-74, Cl. 156-331.000.

Cotton, Malcolm, to Shell Oil Company. Epoxy resin curing agent compositions, their preparation and use. 3,823,107, 7-9-74, Cl. 260-23.70n.

Cotton, Michael John, to Nu Swift International Limited. Pressure vessel testing. 3,826,125, 7-30-74, Cl. 73-4.00r.

Cotton, Robert B. Thrust augmenting device for jet aircraft. 3,811,791, 5-21-74, Cl. 416-129.000.

Cottrell, Arnold George, to Imperial Chemical Industries Limited. Surface treatment of particulate solids. 3,830,738, 8-20-74, Cl. 252-4.000.

Cottrell, James E., Jr.: *See—*
Cioccio, Armand; Whitman, Edward C.; Cottrell, James E., Jr.; McQuitty, Jim B.; Sherman, John D.; and Weinmann, Helmut T., 3,803,543.

Cottrex, Gerard: *See—*
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Coty, Vernon F.: *See—*
Chen, Nai Yuen; Leavitt, Richard I.; and Coty, Vernon F., 3,841,972.

Couch, Benjamin M.: *See—*
Elmore, Richard R.; and Couch, Benjamin M., 3,846,524.

Couch, Francis O., to GTE Automatic Electric Laboratories Incorporated. Battery reversal detection. 3,783,198, 1-1-74, Cl. 179-16.0aa.

Couch, James L. Back fill attachment for a draft vehicle. 3,797,582, 3-19-74, Cl. 172-45.000.

Couch, Richard W., Jr., to Hypertherm, Incorporated. Water-scrubber cutting table. 3,787,247, 1-22-74, Cl. 148-9.00r.

Couch, Richard W., Jr., to Hypotherm, Incorporated. Plasma jet cutting torch having reduced noise generating characteristics. 3,833,787, 9-3-74, Cl. 219-121.00p.

Couch, Robert O., to Ric-Wil, Incorporated. Conduit system. 3,854,756, 12-17-74, Cl. 285-47.000.

Coucher, Robert G., to Kearns-Tribune Corporation. Plasma spray gun and method for applying coatings on a substrate. 3,851,140, 11-26-74, Cl. 219-121.00p.

Couchman, Richard: *See—*
Furney, Charles P., Jr.; and Couchman, Richard, 3,850,705.

Couchman, Robert Jr., to Briggs & Stratton Corporation. Drag device for bendix-type rope starters. 3,827,307, 8-6-74, Cl. 74-6.000.

Couchois, William J.; and Doerfler, Roger E., to Kelsey-Hayes Company. Trailer sway control system. 3,819,234, 6-25-74, Cl. 303-20.000.

Cougar, Inc.: *See—*
Rappleyea, Frederick A., 3,820,163.

Coughlin, Donald W. Testable plug shut-off and double check valve. 3,851,665, 12-3-74, Cl. 137-614.170.

Coughran, Samuel J., Jr., to Rome Industries. Tree accumulator attachment for a tree harvester. 3,795,264, 3-5-74, Cl. 144-3.00d.

Coughran, Samuel J., Jr., to Rome Industries. Quick hitch assembly. 3,818,551, 6-25-74, Cl. 24-243.0fm.

Coulbourn, John. Modular rest cage for animals. 3,830,201, 8-20-74, Cl. 119-17.000.

Could Inc.: *See—*
Shaltz, Gregory P.; and van Loo, Carl G., 3,855,128.

Coules, Ronald A., to Richco Plastic Company. Circuit board spacer-support. 3,836,703, 9-17-74, Cl. 174-138.00d.

Coules, Ronald A., to Richco Plastic Company. Insulator grommet or spacer. 3,836,704, 9-17-74, Cl. 174-138.00d.

Couleur, John F.: *See—*
Lange, Ronald Edwin; Couleur, John F.; and Pine, Donald L., 3,845,474.

Couleur, John Francis: *See—*
Beard, Albert LeMessurier; Couleur, John Francis; Lange, Ronald Edwin; Montee, Robert Frank; and Ruth, Richard Leroy, 3,818,460.

Coulombe, Lionel J., to Singer Company, The. Pattern selection system. 3,786,769, 1-22-74, Cl. 112-158.00a.

Coulombe, Lionel J., to Singer Company, The. Pattern cam ejector mechanism. 3,804,041, 4-16-74, Cl. 112-158.00a.

Coulson, Dale Robert, to Du Pont de Nemours, E. I., and Company. Bis(2,3-dimethylenebutyl)amines. 3,792,092, 2-12-74, Cl. 260-583.00h.

Coulson, Dale Robert, to Du Pont de Nemours, E. I., and Company. Amination of aromatic compounds in liquid hydrogen fluoride. 3,832,364, 8-27-74, Cl. 260-378.000.

Coulter, Alvin B., to Gerber Scientific Instrument Company, The. Apparatus and method for tracking a raised edge without shadow interference. 3,840,739, 10-8-74, Cl. 250-202.000.

Coulter Chemistry, Inc., mesne: *See—*
Jones, Alan Richardson, 3,791,509.

Coulter, Earl E., to Babcock & Wilcox Company, The. Furnace seal. 3,857,344, 12-31-74, Cl. 110-165.00r.

Coulter Electronics, Inc.: *See—*
Bergegere, Pierre, 3,790,883.

Blank, Fritz, 3,854,602.
Bull, Brian S., 3,824,841.
Bull, Brian S., 3,848,796.
Bull, Brian S.; Proni, Oscar; and Melnick, Loran V., 3,850,369.
Coulter, Wallace H.; and Hogg, Walter R., 3,810,011.
Coulter, Wallace H.; and Hogg, Walter R., 3,812,335.
Coulter, Wallace H.; Ingram, Marylou; and Ferro, Patrick Vincent, 3,836,849.
Coulter, Wallace H., 3,836,850.
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Doty, Edward N.; and Hogg, Walter R., 3,820,020.
Doty, Edward Neal; and Hogg, Walter R., 3,820,019.
Duquesne, Victor, 3,856,071.
Figueroa, David Richard; and Ginsberg, Guenter, 3,854,879.
Godin, Thomas J., 3,788,484.
Hogg, Walter R.; and Coulter, Wallace H., 3,783,391.
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Hogg, Walter R.; and Coulter, Wallace H., 3,801,904.
Hogg, Walter R., 3,815,023.
Jones, Alan Richardson, 3,799,744.
Klein, Robert I.; and Hogg, Walter R., 3,783,247.
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Tucker, Lorn Kenneth, 3,786,261.

Coulter Electronics Inc., mesne: *See—*
Nelson, John Russell, 3,848,962.
Smith, Lester C.; Ziffer, Garret F.; and Nelson, John Russell, 3,851,972.

Coulter, Geoffrey Lionel: *See—*
Edwards, Reginald Harold; Coulter, Geoffrey Lionel; and Dodd, Alan Michael, 3,850,217.

Coulter, Gerald R., to Halliburton Company. Method for controlling movement of liquids and solids through a subterranean fracture. 3,818,990, 6-25-74, Cl. 166-280.000.

Coulter Information Systems, Inc.: *See—*
Kuehnle, Manfred R., 3,829,373.

Coulter, J. Roland: *See—*
Toman, Donald J.; and Coulter, J. Roland, 3,808,558.

Coulter, J. Roland, to Tull Aviation Corporation. Method and apparatus for monitoring frequency. 3,812,427, 5-21-74, Cl. 324-79.00d.

Coulter, J. Roland; Hundley, Warren; and Koblick, Sol N., to Tull Aviation Corporation. Navigation aid transmitter-monitor system. 3,818,476, 6-18-74, Cl. 343-100.0ap.

Coulter, John G.: *See—*
Seeger, Richard E., Jr.; and Coulter, John G., 3,789,167.
Seeger, Richard E., Jr.; and Coulter, John G., 3,806,685.

Coulter, Kenneth E.: *See—*
Stowe, Robert A.; Coulter, Kenneth E.; and Winegardner, David K., 3,851,008.

Coulter, Michael Oliver; and Bell, David, to BP Chemicals Limited. Mercury recovery process. 3,847,598, 11-12-74, Cl. 75-121.000.

Coulter, Michael Oliver, to BP Chemicals Limited. Mercury recovery process. 3,857,704, 12-31-74, Cl. 75-121.000.

Coulter, Wallace H.: *See—*
Hogg, Walter R.; and Coulter, Wallace H., 3,783,391.
Hogg, Walter R.; and Coulter, Wallace H., 3,801,904.

Coulter, Wallace H.; and Hogg, Walter R., to Coulter Electronics, Inc. Apparatus and method for analyzing the particle volume distribution for a plurality of particles of different size in a quantity of liquid. 3,810,011, 5-7-74, Cl. 324-17.0cp.

Coulter, Wallace H.; and Hogg, Walter R., to Coulter Electronics, Inc. Apparatus for obtaining statistical indices and analyzing the same and method. 3,812,335, 5-21-74, Cl. 235-151.300.

Coulter, Wallace H.; Ingram, Marylou; and Ferro, Patrick Vincent, to Coulter Electronics, Inc. Method for classifying particles. 3,836,849, 9-17-74, Cl. 324-71.0cp.

Coulter, Wallace H., to Coulter Electronics, Inc. Apparatus for particle size distribution display with means to selectively alter the display by adding predetermined D.C. signals to the data. 3,836,850, 9-17-74, Cl. 324-71.0cp.

Coulter, William John; and Graville, Brian Anthony, to Dominion Bridge Company Limited. Process for electroslag-welding of circumferential joints. 3,795,781, 3-5-74, Cl. 219-73.000.

Coulthard, James Albert; and Coulthard, Marie Luise Batzner, to David Malcolm Pearson. Projection screens. 3,811,750, 5-21-74, Cl. 350-117.000.

Coulthard, Marie Luise Batzner: *See—*
Coulthard, James Albert; and Coulthard, Marie Luise Batzner, 3,811,750.

Coumans, Harry Maria: *See—*
Hemming, Raymond Charles; and Coumans, Harry Maria, 3,834,504.

Counceller, John D.; De Capite, Robert T.; Burpulis, John Samuel; and Souffie, Robert David, said Counceller & said De Capite assors. to Du Pont de Nemours, E. I., and Company, mesne. Apparatus for injection molding of rubber. 3,846,057, 11-5-74, Cl. 425-27.000.

Council, Malcolm N., to Gardner-Denver Company. Crawler undercarriage. 3,828,874, 8-13-74, Cl. 180-9.600.

Council of Scientific and Industrial Research: *See—*
Rao, Vaddadi Siva Bhaskar; Gopinath, Kottil Wallapil; and Iyengar, Madhur Srinivas, 3,821,303.

Council on Library Resources, Inc., mesne: *See—*
Walker, Bernard F.; and Kusterer, James E., Jr., 3,837,804.

Counsell, Raymond, to University of Michigan, The Regents of the. Halogenated cholesterol. 3,784,576, 1-8-74, Cl. 260-397.200.

Counsell, Raymond E.; and Lu, Matthias C. H., to University of Michigan, The Regents of the. 17(Aralpylaminoalkyl)androstan-3β-ols,Δ⁵ derivative thereof, ethers and esters corresponding. 3,818,055, 6-18-74, Cl. 260-397.500.

Counter, Frederick T.: *See—*
Cook, Roland A.; and Counter, Frederick T., 3,850,748.

Counter, Frederick T., to Lilly, Eli, and Company. Device for administering immunication against virus. 3,837,340, 9-24-74, Cl. 128-260.000.

Countryman, Albert J., to Ty-Lok Assembly Systems, Inc. Strapping method. 3,799,214, 3-26-74, Cl. 140-93.200.

Countryman, Albert J., to Ty-Lok Assembly Systems, Inc. Binding machine. 3,849,816, 11-26-74, Cl. 11-1.00a.

Countryman, James H., to Dybvig, Roger S. Reel assembly. 3,823,502, 7-16-74, Cl. 43-20.000.

Coupal, Bernard: *See—*
Lalancette, Jean Marc; and Coupal, Bernard, 3,835,042.

Couper, Neale S., to Glacier Metal Company, Limited, The. Bearings. 3,842,473, 10-22-74, Cl. 29-149.50c.

Couper, Neale Sansome; and Deane, Norman Philip, to Covrad Limited. Corrugation-forming machines. 3,830,088, 8-20-74, Cl. 72-196.000.

Coupin, Claude; and Deval, Alain, to Societe d'Applications Generales d'Electricite et de Mecanique. Electric motors with electronic commutation. 3,794,895, 2-26-74, Cl. 318-254.000.

Couquelet, Dieudonne, to Ateliers de Construction Mecanique Dieudonne Couquelet, societe anonyme. Machine for the production of hollow glass bodies. 3,792,991, 2-19-74, Cl. 65-272.000.

Couqueti, Jack L.: *See—*
Van Doorn, Donald W.; Hawkins, James B.; Plase, William C., III; and Couqueti, Jack L., 3,796,150.

Courard, Camille Alphonse; and Fritz, Ernst, to Eisenwerk-Gesellschaft Maximilianshutte m.b.H. Device for blowing-in oxygen through the refractory lining of a metallurgical converter. 3,819,165, 6-25-74, Cl. 266-41.000.

Courard, Camille Alphonse, to Centre de Recherches Metallurgiques. Devices blowing-in oxygen through the bottoms of metallurgical converters. 3,829,073, 8-13-74, Cl. 266-41.000.

Courcier, Francois; Blouet, Jean; Courtel, Robert; and Risler, Francis, to Commissariat a l'Energie Atomique. Friction material. 3,816,309, 6-11-74, Cl. 252-12.000.

Courier Terminal Systems, Inc.: *See—*
Hittel, Lorenz A., 3,803,584.

Courier-De-Mere, Henri Edouard Francois Marie, to Bicosa Societe de Recherches. Lighter employing electric spark ignition. 3,846,063, 11-5-74, Cl. 431-255.000.

Cournoyer, Hector S., to United Commodities, Inc. Hair dryer. 3,816,940, 6-18-74, Cl. 34-101.000.

Cournoyer, Roger J. A. Three-way screw driver. 3,809,136, 5-7-74, Cl. 145-50.00r.

Cournut, Rene Henri, to Societe Bordelaise de Matieres Plastiques. Process for moulding structures of plastics material. 3,796,784, 3-12-74, Cl. 264-255.000.

Coursaut, Henri, to Le Bouchage Mecanique (L.B.M.). Tamper-proof easy-opening bottle cap. 3,810,556, 5-14-74, Cl. 215-7.000.

Coursigns, Inc.: *See—*
Ferris, Robert C., 3,785,331.

Court, Frederick Charles, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Binary data communication apparatus. 3,835,386, 9-10-74, Cl. 325-50.000.

Court, Kenneth: *See—*
Klimaszewski, Richard A.; and Court, Kenneth, 3,820,920.

Court, Otto: *See—*
Vernaleken, Hugo; Court, Otto; Bottenbruch, Ludwig; and Lippert, Axel, 3,834,441.

Court, Patrick R. J., to Garrity, Paul G. Lighter and fuel reservoir. 3,784,352, 1-8-74, Cl. 431-277.000.

Court, Patrick R. J., to Garrity, Paul G. Lighter with single member valve activator and spark generator support. 3,816,058, 6-11-74, Cl. 431-254.000.

Court, Patrick R. J., to Optical Systems Corporation. Video and audio encoding/decoding system employing suppressed carrier modulation. 3,852,519, 12-3-74, Cl. 178-5.100.

Courtaulds Limited: *See—*
Betts, Max William; and Robinson, Frank, 3,796,068.
Betts, Max William; and Robinson, Fran, 3,808,841.
Betts, Max William; and Robinson, Frank, 3,813,901.
Betts, Max William; and Robinson, Frank, 3,824,810.
Carrotte, Frederick Henry; and Ellis, John Ernest, 3,817,060.
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Flavell, John; and Jeffcoat, Keith, 3,839,884.
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Courtaulds North America, Inc.: *See—*
Bakewell, David, 3,782,088.

Courteix, Jean: *See—*
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Courtel, Robert: *See—*
Courcier, Francois; Blouet, Jean; Courtel, Robert; and Risler, Francis, 3,816,309.

Courten, Henry C.; and Mattal, Joseph P., to Grumman Aerospace Corporation. Angular orientation measuring apparatus. 3,836,258, 9-17-74, Cl. 356-138.000.

Courtesy Communications Corporation: *See—*
Kemmerly, Richard C.; Kaner, Gary M.; and Merritt, Gary C., 3,794,774.

Courtin, Erich: *See—*
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Tietze, Ulrich; Courtin, Erich; and Traub, Stefan, 3,787,774.

Courtiol Bernard, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Arrangement for controlling processes. 3,795,799, 3-5-74, Cl. 235-150.100.

Courtney, Albert L.; and Weldy, Floyd P., to Bendix Corporation, The. Structural fitting for filament composite tubular member. 3,838,712, 10-1-74, Cl. 138-103.000.

Courtney, George W.: *See—*
Khayat, Ali; Courtney, George W.; and Dunn, Howard J., 3,851,078.

Courtney, Henry R.: *See—*
Merrill, Roger F., Jr.; and Courtney, Henry R., 3,857,731.

Courtney-Pratt, Jeofry S.; and Schmidt, Alfred C., Jr., to Bell Telephone Laboratories, Incorporated. Fiber optic devices and method for making same. 3,786,840, 1-22-74, Cl. 139-11.000.

Courtney-Pratt, Jeofry Stuart, to Bell Telephone Laboratories, Incorporated. Measuring small displacements. 3,810,699, 5-14-74, Cl. 256-153.000.

Courtney-Pratt, Jeofry Stuart; and Gregory, Richard Langton, to Bell Telephone Laboratories, Incorporated. Apparatus for enhanced depth of field viewing. 3,846,009, 11-5-74, Cl. 350-87.000.

Courtois, Charles E.; and Dippold, Herbert O. Stacking sled. 3,840,129, 10-8-74, Cl. 214-6.00b.

Courtois, Lucien, to Institut Francais du Petrole, des Carburants et Lubrifiants. Remotely actuated device for surveying underground strata. 3,833,074, 9-3-74, Cl. 175-87.000.

Courtot, Louis B., to Weatherhead Company, The. Flexible cable assembly. 3,812,738, 5-28-74, Cl. 74-501.00r.

Courtot, Louis B., to Weatherhead Company, The. Hose construction. 3,814,138, 6-4-74, Cl. 138-124.000.

Courtright, Amedee H. Holder for can or bottle of beer or other beverage container. 3,844,460, 10-29-74, Cl. 224-45.00c.

Courtright, Burr, to CH_2O, Inc. Wheeled cradle structure for use with agricultural wheel lines. 3,799,582, 3-26-74, Cl. 280-408.000.

Courtright, Burr, to CH_2O, Inc. Conduit grip. 3,800,370, 4-2-74, Cl. 24-260.000.

Courtright, Burr, to CH_2O, Inc. Hose reel construction. 3,826,275, 7-30-74, Cl. 137-355.200.

Courtright, Burr, to CH_2O, Inc. Prime mover for and in wheel-line irrigation apparatus. 3,848,625, 11-19-74, Cl. 137-344.000.

Courtright, Burr, to CH_2O, Inc. Winch-driven irrigation apparatus. 3,848,805, 11-19-74, Cl. 239-189.000.

Courtright, Burr, to CH_2O, Inc. Agricultural wheel-lines. 3,856,039, 12-24-74, Cl. 137-344.000.

Courtsey Products Corporation: *See—*
Gust, Raymond E., 3,802,606.

Courty, Philippe, to Institut Francais du Petrole, des Carburants et Lubrifiants. Process for manufacturing iron molybdate catalysts of high strength and the use of the resulting catalysts in the catalytic oxidation of alcohols to aldehydes. 3,846,341, 11--74, Cl. 252-462.000.

Coury, Arthur J.; Rogier, Edgar R.; Schwebke, Gerald L.; and Cozad, Douglas D., to General Mills Chemicals, Inc. Reaction of polyisocyanates with compounds containing blocked amine groups in the presence of acids or metal salts of acids. 3,789,045, 1-29-74 Cl. 260-18.0tn.

Coury, William J.: *See—*
Mogel, Ralph E.; and Coury, William J., 3,800,974.

Cousin, Maurice Claude, to A & M Cousin et Cie. Etablissements Cousin Freres, Le Bois de Flers. Slide-guide for motor car seats. 3,850,484, 11-26-74, Cl. 308-6.00r.

Cousino, Bernard A., to Faraday, Inc. Tape cartridge and player apparatus. 3,829,033, 8-13-74, Cl. 242-55.19a.

Cousino, Reynold J.: *See—*
Buhs, Marion W.; Cousino, Reynold J.; and DiFrank, Frank J., 3,818,812.

Cousino, Walter F., to Thermad, Inc. Impact actuated reciprocating mower. 3,802,171, 4-9-74, Cl. 56-13.400.

Cousins, Alexander G.: *See—*
Stokes, John H.; and Cousins, Alexander G., 3,846,301.

Cousins, Edward E., Jr. Automatic mechandise pricing calculator. 3,806,711, 4-23-74, Cl. 235-151.300.

Cousins, Sydne. Separable fastener. 3,798,711, 3-26-74, Cl. 24-77.00r.

Cousins, Terence; and Zanker, Klaus Joachim, to Kent, George, Limited. Flowmeters. 3,810,388, 5-14-74, Cl. 73-194.00b.

Cousins, True E.: *See—*
Chaudoir, Charles J.; Cousins, True E.; and Nagy, Kornel, 3,806,262.

Cousserans, Gilbert; Mathey, Francois; and Gryszkiewic-Trouchimowski, Oleg, to Azote et Produits Chimiques S.A. Sulfur containing fungicidal compositions and methods of use. 3,786,155, 1-15-74, Cl. 424-301.000.

Coussot, Gerard J., to Thomson-CSF. Monolithic electro-mechanical filters. 3,838,366, 9-24-74, Cl. 333-72.000.

Coutant, Ralph W.; and Schlueter, Frederick, to Litton Systems Inc. Bearing cartridge assembly. 3,841,721, 10-15-74, Cl. 308-20.000.

Coutin, Bernard: *See—*
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Coutin, Pierre F.: *See—*
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Coutin, Pierre Fernand: *See—*
Costes, Bertrand Marie Dominique; Coutin, Pierre Fernand; and Hasquenoph, Jean Henri Marie, 3,799,478.
Hasquenoph, Jean Henri; and Coutin, Pierre Fernand, 3,840,201.
Hasquenoph, Jean Henri; and Coutin, Pierre Fernand, 3,854,680.
Hasquenoph, Jean Henri; and Coutin, Pierre Fernand, 3,854,681.

Coutinho, John. Hydraulic jib. 3,828,941, 8-13-74, Cl. 212-144.000.

Couto Martins, Jose V., to GTE Automatic Electric Laboratories Incorporated. Solid state relay. 3,858,057, 12-31-74, Cl. 307-254.000.

Couture, Gerard; and Lindberg, Leo H., to PPG Industries, Inc. Heated cover protector for press bending block. 3,837,833, 9-24-74, Cl. 65-288.000.

Couture, John W.: *See—*
Bantz, Walter J.; Couture, John W.; and Pittaro, Richard J., 3,848,460.

Couture, John W., to Krautkramer-Branson, Incorporated, mesne. Pulse-echo ultrasonic test apparatus with cathode ray tube digital display. 3,792,613, 2-19-74, Cl. 73-67.900.

Couture, John W., to Automation Industries, Inc. Ultrasonic inspection apparatus. 3,823,603, 7-16-74, Cl. 73-67.900.

Couture, Paul A.: *See—*
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Couture, Robert L., to Eastman Kodak Company. Shutter mechanism. 3,816,843, 6-11-74, Cl. 354-250.000.

Couture, Romeo E.: *See—*
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Couvillon, James B., to Texas Instruments Incorporated. Differential amplitude angle guidance. 3,852,752, 12-3-74, Cl. 343-108.00m.

Couvreur, Jean-Marie, to Glaverbel S.A. Sheet cutting and marking. 3,807,261, 4-30-74, Cl. 83-6.000.

Coval, Arthur B. Articulated haulage vehicle. 3,827,721, 8-6-74, Cl. 280-400.000.

Coventry, Sarah, Inc.: *See—*
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Cover, John H. Weapon for immobilization and capture. 3,803,463, 4-9-74, Cl. 317-262.00s.

Cover, Richard J.: *See—*
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Coverdale, James C., Jr., to Franklin Mint Corporation. Copying machine. 3,799,028, 3-26-74, Cl. 90-13.700.

Coverley, Jack: *See—*
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Covill, Dennis H., to Nautical Electronic Laboratories Limited. Four port combiner utilizing single transformer. 3,784,931, 1-8-74, Cl. 333-6.000.

Covill, Dennis H., to Nautical Electronic Laboratories Limited. Beacon transmitter. 3,845,392, 10-29-74, Cl. 325-158.000.

Coville, Patrick; and Laurencier, Andre, to U.S. Philips Corporation. Heat transferring device. 3,812,908, 5-28-74, Cl. 165-105.000.

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Covington, Cecil E., to Textron, Inc. Four blade main rotor control power coupling. 3,804,552, 4-16-74, Cl. 416-134.000.

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Covini, Lorenzo, to COBER di Cristofanelli Pietro e Covini Lorenzo S.n.c. Toe-clip attachment for ski. 3,840,240, 10-8-74, Cl. 280-11.35t.

Covini, Ramano: *See—*
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Cowan, Edwin J. Flush-mountable, self-cooling gas-fired heater. 3,805,763, 4-23-74, Cl. 126-92.00r.
Cowan, George R.: *See—*
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Cowan, George R., to Du Pont de Nemours, E. I., and Company. Increasing the detonation pressure of ammonium nitrate/fuel oil compositions. 3,823,044, 7-9-74, Cl. 149-21.000.
Cowan, Gerald DeG.: *See—*
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Cowan, John G., to United States of America, Navy. Wedge shaped raster generation. 3,805,109, 4-16-74, Cl. 315-23.000.
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Cowan, John R.: *See—*
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Cowan, John Vincent; Cowan, Gerald DeG.; and Cowan, John Gerald, to Scanning Systems, Inc. Method and apparatus for testing wheels and defect detection in wheels. 3,812,708, 5-28-74, Cl. 73-67.50r.
Cowan, Larry C.; and Rubel, Edward A., to Leesona Corporation. Fluid operated system. 3,789,864, 2-5-74, Cl. 137-119.000.
Cowan, Larry Clyde: *See—*
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Cowan, Larry Clyde, to Leesona Corporation. Fluid circuit indicator. 3,834,346, 9-10-74, Cl. 116-70.000.
Cowan, Larry Clyde, to Leesona Corporation. Fluid operated system. 3,835,751, 9-17-74, Cl. 91-420.000.
Cowan, Philip L., to Electrogasdynamics, Inc. Electrostatic paint spray system. 3,791,579, 2-12-74, Cl. 239-3.000.
Cowan, Philip L., to Electrogasdynamics, Inc. Method for electrostatically depositing a fluid. 3,797,739, 3-19-74, Cl. 239-3.000.
Cowan, Philip L., to Electrogasdynamics, Inc. Pneumatically assisted hydraulic spray coating apparatus. 3,843,052, 10-22-74, Cl. 239-3.000.
Cowans, Kenneth W. Heat exchanger and method for making the same. 3,825,063, 7-23-74, Cl. 165-146.000.
Cowardin, Robert L.; Matuck, George C.; McCray, Charles M.; Powell, Flavius M.; Pratt, Woodrow W.; Thomas, Delbert C., Jr.; and Thorne, William D., to International Business Machines Corporation. Arcuate printer. 3,854,563, 12-17-74, Cl. 197-1.00r.
Cowden, Earl T.: *See—*
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Cowden, Herbert B.: *See—*
Rasch, Arthur A.; and Cowden, Herbert B., 3,801,325.
Cowden, James W. Photographic studio lights. 3,821,766, 6-28-74, Cl. 354-132.000.
Cowdery, James R.; and Korstvedt, Harald O. Pinch roll drive. 3,807,549, 4-30-74, Cl. 198-203.000.
Cowell, Clifton Douglas; and Wright, John Richardson, to Imperial Chemical Industries Limited. Process of increasing the molecular weight of molten polyamides with diaryl esters. 3,810,876, 5-14-74, Cl. 260-78.0sc.
Cowell, David, to Sybron Corporation. RF power transistor secondary breakdown protection circuit. 3,784,877, 1-8-74, Cl. 317-33.00r.
Cowell, Elmer E.: *See—*
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Cowell, Robert Lynn: *See—*
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Cowell, Thomas E., to Rockwell International Corporation. Surface scaler apparatus. 3,811,320, 5-21-74, Cl. 73-71.50u.
Cowell, Timothy Anton Turton; and Brown, Dennis Cockburn, to Associated Engineering Limited. Ignition devices. 3,842,818, 10-22-74, Cl. 123-169.0mg.
Cowen, John F. Honeycomb decapping and honey extracting apparatus. 3,789,443, 2-5-74, Cl. 6-12.00a.
Cowen, Samuel H., to Chemed Corporation. Releasable medicament dental carrier and method. 3,844,286, 10-29-74, Cl. 128-260.000.
Cowen, William E., Jr., to United Industrial Engineering Corporation. Shaft driver device and conveyor system embodying the same. 3,782,515, 1-1-74, Cl. 192-56.00c.
Cowett, Philip M., Jr., to United States of America, Army. Method for nuclear radiation hardening of DC-to-DC converters. 3,836,836, 9-17-74, Cl. 321-44.000.
Cowham, Michael John; and Wadlow, David Edward, to Image Analysing Computers Limited. Detection devices for image analysis systems. 3,813,487, 5-28-74, Cl. 178-7.100.
Cowie, George Raymond, to Cowie Scientific, Limited. Taps. 3,782,686, 1-1-74, Cl. 251-309.000.
Cowie, John McKenzie Grant: *See—*
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Irish, Charles G., Jr.; Silva, Joseph W.; and Cowles, Raymond I., 3,795,195.
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Cowles, Walter C., to Esso Research and Engineering Company. Water ballast arrangement for externally insulated tankers. 3,797,437, 3-19-74, Cl. 114-74.00a.
Cowley, Brian Richard; Graham, William; Humber, David Cedric; Wetherill, Aubrey; and White, William James, to Glaxo Laboratories Limited. Method of producing 7β-acylamido-3-methylceph-3-em-4-carboxylic acid esters. 3,819,622, 6-25-74, Cl. 260-243.00c.
Cowley, Brian Richard; Gregory, Gordon I.; and Long, Alan C., to Glaxo Laboratories Limited. Cephalosporins having a polyazole substituent. 3,821,206, 6-28-74, Cl. 260-243.00c.
Cowley, Gerald: *See—*
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Cowley, Gerald, to ERCO Industries Limited. Separation of gaseous mixtures of chlorine dioxide and chlorine and recovery of aqueous solution of chlorine dioxide. 3,854,901, 12-17-74, Cl. 55-51.000.
Cowley, John James. Pressure regulator. 3,854,495, 12-17-74, Cl. 137-505.440.
Cowley, William C.; and Stutzke, Robert E., to Vermont American Corporation. Hedge trimmer assembly. 3,798,768, 3-26-74, Cl. 30-223.000.
Cowper, Glenn Sherwin, to Caterpillar Tractor Company. Handling rod assembly for investment casting mold. 3,854,832, 12-17-74, Cl. 403-349.000.
Cowpland, Michael C. J.; and Zambakoglu, Feyyaz I., to Microsystems International Limited. Coupler circuit for telephone networks and the like. 3,787,739, 1-22-74, Cl. 307-255.000.
Cowpland, Michael C. J., to Microsystems International Limited. Dual tone receiver. 3,795,775, 3-5-74, Cl. 179-84.0vf.
Cowpland, Michael C. J., to Microsystems International Limited. Power supply circuit for an electronic telephone set. 3,800,095, 3-26-74, Cl. 179-77.000.
Cowpland, Michael C. J., to Microsystems International Limited. Temperature stable tone generator. 3,815,050, 6-4-74, Cl. 331-110.000.
Cowpland, Michael C. J., to Microsystems International Limited. Audio frequency automatic gain control circuit. 3,824,345, 7-16-74, Cl. 179-1.0vl.
Cowsert, Charles A., to Monarch Molding, Inc. Intercept connector suitable for use in a telephone system. 3,858,152, 12-31-74, Cl. 339-17.00c.
Cox, A. B. Trailer hitch. 3,829,130, 8-13-74, Cl. 280-479.000.
Cox, Adrian H. Tire chain attaching means. 3,805,867, 4-23-74, Cl. 152-213.00r.
Cox, Arthur R., to United Aircraft Corporation. Nickel-base superalloy. 3,785,809, 1-15-74, Cl. 75-171.000.
Cox, Arthur R.; and Holiday, Paul R., to United Aircraft Corporation. Apparatus for making articles from particulated matter. 3,832,107, 8-27-74, Cl. 425-78.000.
Cox, Arthur R.; Holiday, Paul R.; Lewis, Gary K.; and Soderquist, Seven D., to United Aircraft Corporation. Wrought nickel-base alloy and products thereof. 3,843,421, 10-22-74, Cl. 148-32.000.
Cox, Auther H., & Co. Ltd.: *See—*
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Cox, Bruce O.: *See—*
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Cox, Calvin Howard, to Bell-Fruit Manufacturing Company Limited. Gaming machine with comparison of randomly determined and player preselected symbols. 3,834,712, 9-10-74, Cl. 273-143.00r.
Cox, David A.; Barnish, Ian T.; and Evans, Anthony G., to Pfizer Inc. Phenyl-alkanolamine, alkylamine and alpha-aminoalkyl ketone derivatives as heart stimulants. 3,816,516, 6-11-74, Cl. 260-501.170.
Cox, David Alexander; Danilewicz, John Christopher; Ham, Allan Leslie; Kemp, John Edward Glyn; and Snarey, Michael, to Pfizer Inc. Phenoxypropanolamine therapeutic agents. 3,845,123, 10-29-74, Cl. 260-562.00p.
Cox, Delbert L., to Butler Manufacturing Company. Ensilage loader with automatically positioned cutter reel. 3,847,266, 11-12-74, Cl. 198-9.000.
Cox, Don O. Article retainer for a refrigerator. 3,851,765, 12-3-74, Cl. 211-184.000.
Cox, Donald Clyde; and Reudink, Douglas Otto John, to Bell Telephone Laboratories, Incorporated. Delay equalizing circuit for an audio system using multiple microphones. 3,794,766, 2-26-74, Cl. 179-1.00p.

Cox, Donald Clyde, to Bell Telephone Laboratories, Incorporated. Bipolar sample and hold circuit with low-pass filtering. 3,838,346, 9-24-74, Cl. 328-151.000.
Cox, Donald E., to PPG Industries, Inc. Potassium polyphosphate fertilizers containing micronutrients. 3,856,500, 12-24-74, Cl. 71-34.000.
Cox, Edgar R., to Texas Industries, Inc. Batch admixture metering control. 3,804,300, 4-16-74, Cl. 222-67.000.
Cox, Edgar Russell, to Texas Industries, Inc. Dust collector. 3,832,833, 9-3-74, Cl. 55-378.000.
Cox, Edwin, Associates: *See—*
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Cox, Edwin Dexter, to Johns-Manville Corporation. Drip irrigator device. 3,856,333, 12-24-74, Cl. 285-14.000.
Cox, Eric Reginald; and Wall, John Shiel Clements, to Babcock & Wilcox Limited. Material handling apparatus. 3,828,915, 8-13-74, Cl. 198-88.000.
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Cox, George B., Jr.; and Huls, Ralph M., to United States of America, Air Force, mesne. Combustion device. 3,814,575, 6-4-74, Cl. 431-352.000.
Cox, Gerald C.: *See—*
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Cox, Gordon John: *See—*
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Cox, Harold Autrey, to Texas Instruments Incorporated. Duty cycle control system. 3,783,366, 1-1-74, Cl. 321-5.000.
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Cox, Ivan E. Metatarsal pad mounting for weight distributing shoe shank. 3,841,005, 10-15-74, Cl. 36-76.00c.
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Cox, James P., to Martin, Robertson & Bain Ltd. Mass-balanced vibrating conveyor. 3,817,370, 6-18-74, Cl. 198-220.0cb.
Cox, James R., to Cosar Corporation. Calibration system for reflection densitometers. 3,832,070, 8-27-74, Cl. 356-209.000.
Cox, John A., Jr., to Ideal Industries, Inc. Wire stripper and latch structure. 3,821,909, 7-2-74, Cl. 81-9.50a.
Cox, John A., Jr., to Ideal Industries, Inc. Connector structure. 3,840,256, 10-8-74, Cl. 285-174.000.
Cox, John Ernest; Crafts, Robert Charles; Houlihan, John Brendan; and Lawson, Leslie Edward, to Howson-Algraphy, Limited. Method of removing insolubilized light sensitized poly(vinyl alcohol) from a surface utilizing periodate ions. 3,796,603, 3-12-74, Cl.134-42.000.
Cox, Joseph F. Technique for aligning anchor bolts. 3,829,540, 8-13-74, Cl. 264-34.000.
Cox, Lawrence Alfred, to British Oxygen Company Limited, The. Fluid mixing. 3,830,256, 8-20-74, Cl. 137-599.000.
Cox, Louis G.; Kusters, Norbert L.; and MacMartin, Malcolm P., to Canadian Patents and Development Limited. Automatic AC/DC RMS comparator. 3,842,349, 10-15-74, Cl. 324-98.000.
Cox, Lyle G. P.; and Cibula, Ralph J. Mobile power unit. 3,797,446, 3-19-74, Cl. 115-6.100.
Cox, Lyndon S.; and Joyce, James W., Jr., to United States of America, Army. Fluidic artillery round counter. 3,792,638, 2-19-74, Cl. 89-14.00r.
Cox, Lyndon S., to United States of America, Army. Oxygen powered volume cycled respirator with oxygen air mix. 3,850,170, 11-26-74, Cl. 128-145.800.
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Cox, Paul D., to Cox Manufacturing Co., Inc. Pulse relief damper. 3,786,799, 1-22-74, Cl. 128-91.00a.
Cox, Paul F., to Texas Instruments, Incorporated. Environment monitoring device and system. 3,831,432, 8-27-74, Cl. 73-23.000
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Cox, Robert James, to Pennwalt Corporation. Process for compacting fluorspar for metallurgical use. 3,814,789, 6-4-74, Cl. 264-117.000.
Cox, Robert L. Adjustable router guide. 3,782,431, 1-1-74, Cl. 144-144.500.
Cox, Robert M., to SLI Industries. Hydraulic actuator with mechanical feedback. 3,817,150, 6-18-74, Cl. 91-186.000.
Cox, Robert N., to Etamco Industries. Guarded insert and gadget supporting device. 3,815,756, 6-11-74, Cl. 211-57.000.
Cox, Russell G., to Magnetic Controls Company. Telephone looptest system. 3,843,848, 10-22-74, Cl. 179-175.30r.
Cox, Thomas L.; and Rodriquez, David G., to J & J Manufacturing Company. Pallet manufacturing machine. 3,853,670, 12-10-74, Cl. 156-562.000.
Cox, Wayne H., to Comfort Care Products. Clavicle brace. 3,856,004, 12-24-74, Cl. 128-87.00r.
Cox, Willis T. Orchard heater. 3,857,671, 12-31-74, Cl. 431-352.000.
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Coyle, Charles Ray. Live-well aerator. 3,800,462, 4-2-74, Cl. 43-57.000.
Coyle, Edward L.; and Murph, Howard L., to ACF Industries, Incorporated. Apparatus for opening and closing a door in the duct work of an air conditioned transportation vehicle. 3,791,168, 2-12-74, Cl. 62-408.000.
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Coyne, James Christopher; McCoy, Robert Gordon; and Smith, Arnold Ray, to Bell Telephone Laboratories, Incorporated. Mole with decoupled nose and body. 3,797,586, 3-19-74, Cl. 173-133.000.
Coyne, James Christopher, to Bell Telephone Laboratories, Incorporated. Cross connect switch. 3,838,317, 9-24-74, Cl. 317-119.000.
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Suekane, Mikio; Kanno, Mutsuo; and Hasegawa, Shiro, 3,826,714.

CPC International Inc., mesne: *See—*
Knight, James W., 3,782,964.

CPM/Europe N.V.: *See—*
Vink, Johannes Albertus, 3,828,661.

Crabb, Jasper R., to Lobee Pump and Manufacturing Co. Automatic bagging machine. 3,789,573, 2-5-74, Cl. 53-55.000.

Crabb, Jasper R., to Domain Industries, Inc. Twist-tie bag closing machine. 3,825,039, 7-23-74, Cl. 140-93.00a.

Crabbe, Pierre, to Syntex Corporation. Process for preparing 17alpha,21-dihydroxy-20-keto-pregnanes, derivatives and intermediates thereof. 3,793,350, 2-19-74, Cl. 260-397.450.

Crabbe, Pierre; and Fried, John H., to Syntex Corporation. 16,17-Seco-B-nor steroids. 3,793,368, 2-19-74, Cl. 260-488.00b.

Crabbe, Pierre; Edwards, John A.; and Fried, John H., to Syntex (U.S.A.) Inc. 16,17-Seco-delta4,9(10)and-delta4,9(10),11 steroids. 3,819,686, 6-25-74, Cl. 260-488.00b.

Crabbe, Pierre; and Fried, John H., to Syntex (U.S.A.) Inc. 16, 17-Seco-A-nor steroids. 3,821,288, 6-28-74, Cl. 260-488.00b.

Crabbe, Pierre; Edwards, John A.; and Fried, John H., to Syntex (U.S.A.) Inc. 16,17-Seco-delta 4,6 steroids. 3,823,184, 7-9-74, Cl. 260-488.00b.

Crabbe, Pierre; and Fried, John H., to Syntex Corporation. B,D-seco-delta 4 and delta 5 (10)-steroidal compounds 3,833,644, 9-3-74, Cl. 260-488.00r.

Crabbe, Pierre; and Fried, John H., to Syntex (U.S.A.) Inc., mesne. 16,17-Seco-delta 4 and delta 5(10) steroids. 3,839,420, 10-1-74, Cl. 260-488.00b.

Crabbe, Pierre; and Guzman, Angel, to Syntex (U.S.A.) Inc., mesne. 10-Hydroxy PGE and PGE. 3,846,475, 11-5-74, Cl. 260-468.00d.

Crabtree, Bruce L., Sr.: *See—*
Bronson, Orville P.; and Crabtree, Bruce L., Sr., 3,795,070.

Crabtree, Charles R. Machine feed and output monitoring apparatus. 3,790,761, 2-5-74, Cl. 235-92.0pd.

Crabtree, Clarence, to Fedders Corporation. Dishwasher with improved spray apparatus. 3,809,106, 5-7-74, Cl. 134-176.000.

Crabtree, Kenneth L., to Keyes Fibre Company. Open bottom tray with multiple pedestal display platform. 3,845,896, 11-5-74, Cl. 229-2.500.

Crabtree, Lloyd O.: *See—*
Cochran, Gary D.; Crosby, David A.; Franken, Peter A.; and Crabtree, Lloyd O., 3,830,128.

Cracco, Francis Jean; Pacini, Pier-Luigi; and O'Connell, Ian, to Procter & Gamble Company, The. Detergent composition with an amido-amine fabric softening agent. 3,844,959, 10-29-74, Cl. 252-8.750.

Crachy, Rudolf: *See—*
Ledergerber, Alfred; and Crachy, Rudolf, 3,798,720.

Cracknell, Alan: *See—*
Duke, Dennis; Swain, Michael James; and Cracknell, Alan, 3,856,350.

Cracknell, John Roland; and Groszek, Aleksander Jerzy, to British Petroleum Company, Limited, The. Graphite pellets. 3,819,532, 6-25-74, Cl. 252-447.000.

Cracknell, John Roland; and Gorszek, Aleksander Jerzy, to British Petroleum Company, Limited, The. Graphite pellets. 3,855,117, 12-17-74, Cl. 208-307.000.

Cracolice, William N. Expansion trailer hitch. 3,794,355, 2-26-74, Cl. 280-482.000.

Cracraft, Larry F.; Oppmann, Richard C.; and Whitaker, Edward G., to General Motors Corporation. Apparatus for measuring the speed of a moving member. 3,836,853, 9-17-74, Cl. 324-166.000.

Cracraft, Larry F.; Houser, David E.; and Whitaker, Edward G., to General Motors Corporation. Motor vehicle seat belt safety system. 3,836,955, 9-17-74, Cl. 340-52.00e.

Craddock, John H.; Hershman, Arnold; Paulik, Frank E.; and Roth, James F., to Monsanto Company. Increasing the selectivity and yield in the production of carboxylic acids. 3,816,488, 6-11-74, Cl. 260-413.00a.

Craddock, John H.; Hershman, Arnold; Paulik, Frank E.; and Roth, James F., to Monsanto Company. Increasing the selectivity and yield in the production of carboxylic acids. 3,816,489, 6-11-74, Cl. 260-413.000.

Craddock, Michael John, to Geecen Limited. Taximeters. 3,843,869, 10-22-74, Cl. 235-30.00r.

Craddock, Michael John, to Geecen Limited. Taximeters. 3,843,870, 10-22-74, Cl. 235-30.00r.

Crafford, John W.: *See—*
Crafford, Thomas J.; and Crafford, John W., 3,791,004.
Crafford, Thomas J.; and Crafford, John W., 3,841,088.

Crafford, Thomas J.; and Crafford, John W., to Crafford Tool & Die Co. Pin extracting device. 3,791,004, 2-12-74, Cl. 29-200.00d.

Crafford, Thomas J.; and Crafford, John W., to Crafford Tool & Die Co. Apparatus for forming wire links. 3,841,088, 10-15-74, Cl. 59-16.000.

Crafford Tool & Die Co.: *See—*
Crafford, Thomas J.; and Crafford, John W., 3,791,004.
Crafford, Thomas J.; and Crafford, John W., 3,841,088.

Craft Camera Corporation: *See—*
Rathburn, Paul, 3,834,811.

Craft, David John, to International Business Machines Corporation. Priority data handling system and method. 3,818,447, 6-18-74, Cl. 340-147.01p.

Craft, James Pressley, III, to Coca-Cola Company, The. Movable shelf apparatus. 3,786,947, 1-22-74, Cl. 214-75.00r.

Craft, Richard Allan, to RCA Corporation. Precision digital interpolator. 3,840,174, 10-8-74, Cl. 235-151.320.

Craft, Walter Boone. Ballast attachment for boats. 3,792,676, 2-19-74, Cl. 114-123.000.

Craftics, Inc.: *See—*
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Craftmaster, Inc.: *See—*
Smith, Raymond Peter, Jr., 3,785,496.

Crafton, Paul A.: *See—*
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Craftool Company, Inc., The: *See—*
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Crafts, Robert Charles: *See—*
Cox, John Ernest; Crafts, Robert Charles; Houlihan, John Brendan; and Lawson, Leslie Edward, 3,796,603.

Crafts, Robert L., to Telex Computer Products Inc. Variable rate incrementing recorder. 3,786,456, 1-15-74, Cl. 340-174.10a.

Cragg, William Donald, to International Standard Electric Corporation. Electro-acoustic armature transducer. 3,836,733, 9-17-74, Cl. 179-119.00a.

Cragg, William Donald; and Bradley, Stuart, to International Standard Electric Corporation. Pressure gradient piezoelectric microphone. 3,856,995, 12-24-74, Cl. 179-121.00r.

Craggs, Donald E.; Gillen, Richard S.; and Lipman, Stephen C., to Union Oil Company of California. Well completion and pumping system. 3,833,060, 9-3-74, Cl. 166-68.000.

Craggs, Lester R., to Arvin Industries, Inc. Recording arm safety lifter. 3,814,441, 6-4-74, Cl. 274-23.00r.

Cragoe, Edward J., Jr.: *See—*
Schultz, Everett M.; and Cragoe, Edward J., Jr., 3,809,721.

Cragoe, Edward J., Jr.; and Schultz, Everett M., to Merck & Co., Inc. Methods of treating edema and hypertension using certain 2-aminoethylphenols. 3,794,734, 2-26-74, Cl. 424-330.000.

Cragon, Harvey; and Logan, Russell H., to Texas Instruments, Incorporated. Coherent digital radar target signal enhancement. 3,787,855, 1-22-74, Cl. 343-17.10r.

Cragon, Harvey G., to Texas Instruments Incorporated. Memory device. 3,812,476, 5-21-74, Cl. 340-173.0rc.

Craig, Bryant F. Fluid mixed drink card programable dispenser. 3,814,285, 6-4-74, Cl. 222-2.000.

Craig, Daniel L.: *See—*
White, Dowell; and Craig, Daniel L., 3,825,733.

Craig, Frank G., Sr., to Roblin Industries, Inc. Demountable shelf edge fence. 3,827,574, 8-6-74, Cl. 211-184.000.

Craig, Frank G., Sr.; and Schray, Walter H., to United Steel and Wire Company. Transport rack. 3,840,242, 10-8-74, Cl. 280-33.99h.

Craig, Fred A.: *See—*
Ross, Lee F.; Wilkinson, James E.; Craig, Fred A.; and Hudson, Allan M., 3,837,774.

Craig, Gale M., to General Motors Corporation. Leak detection system for sealed beam headlamp units. 3,855,844, 12-24-74, Cl. 73-40.700.

Craig, Gerald. Tractor splitter. 3,850,419, 11-26-74, Cl. 269-17.000.

Craig, Glenn D.: *See—*
La Haye, Paul G.; Craig, Glenn D.; and Turecek, Joseph L., 3,832,122.
Lahaye, Paul G.; Craig, Glenn D.; and Turecek, Joseph L., 3,816,595.

Craig, Glenn D.; Feuling, David T.; and LaHaye, Paul G., to Aqua-Chem, Inc. Reduction of gaseous pollutants in combustion fuel gas. 3,837,788, 9-24-74, Cl. 431-351.000.

Craig, H. Lee, Jr.: *See—*
Schardein, Daniel J., Jr.; Rogers, Charles M.; and Craig, H. Lee, Jr., 3,812,023.

Craig, H. Lee, Jr.; and Coates, Harold J., to Reynolds Metals Company. Inorganic coatings for aluminous metals. 3,812,021, 5-21-74, Cl. 204-58.000.

Craig, Henry A. Target maker. 3,805,390, 4-23-74, Cl. 33-27.00c.

Craig, Herbert C.; and Lamphier, Walter C., to Sprague Electric Company. Wound capacitor. 3,789,277, 1-29-74, Cl. 317-260.000.

Craig, James T.: *See—*
Norris, Allan S.; and Craig, James T., 3,818,783.

Craig, John C., Jr., to American Parking Company, Inc. Fee collection device. 3,836,069, 9-17-74, Cl. 232-1.00r.

Craig, John M., to Rockwell International Corporation. Solid propellant containing stronium carbonate-calcium citrote burning rate depressant. 3,841,929, 10-15-74, Cl. 149-17.000.

Craig, Joseph C.; and Henry, Robert B., said Craig assor. to said Henry, Robert B. Twist drill sharpeners. 3,852,921, 12-10-74, Cl. 51-133.000.

Craig, Lloyd L. Exercise apparatus on pedestal for patients. 3,848,870, 11-19-74, Cl. 272-67.000.

Craig, Loren J.; and Hochreiter, William T., to Eastman Kodak Company. Exposure control apparatus. 3,842,423, 10-15-74, Cl. 354-29.000.

Craig, Paul N.; and Zirkle, Charles L., to Smithkline Corporation. Pharmaceutical methods using a substituted 10-aminoalkyl-9,10-dihydroanthracene. 3,800,044, 3-26-74, Cl. 424-330.000.

Craig, Robert J. G., to Teledyne Industries, Inc. Gimbal structure for dymanically tuned free rotor gyro. 3,832,906, 9-3-74, Cl. 74-5.00f.

Craig, Robert S.: *See—*
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Craig, Robert T. Security device for doors. 3,809,417, 5-7-74, Cl. 292-259.000.

Craig, Theodore Warren; and Henika, Richard Grant, to Patent Technology, Inc., mesne. Bread process and additive composition therefor. 3,803,326, 4-9-74, Cl. 426-21.000.

Craig, William A. Extension desubluxation hinge appliance. 3,785,372, 1-15-74, Cl. 128-80.00c.

Craig, William Allan, to Imperial Chemical Industries Limited. Slurry explosives cross-linked with a compound of tellurium VI. 3,784,421, 1-8-74, Cl. 149-29.000.

Crail, Ian Robert Henry: *See—*
Elliott, John Scotchford; Crail, Ian Robert Henry; and Askew, Herbert Frank, 3,788,990.
Elliott, John Scotchford; Crail, Ian Robert Henry; and Askew, Herbert Frank, 3,833,501.

Crain, Donald L.: *See—*
Zuech, Ernest A.; and Crain, Donald L., 3,786,106.

Crain, Graydon H. Mooring structure and method. 3,791,154, 2-12-74, Cl. 61-46.000.

Crain, Philip W. Apparatus for applying medication or the like to human nasal passages. 3,812,853, 5-28-74, Cl. 128-173.000.

Craine, Richard W.: *See—*
Parker, Ernest G.; Lucanera, Constantino; and Craine, Richard W., 3,845,485.

Crainich, Victor A., Jr.: *See—*
de la Torriente, Leandro J.; and Crainich, Victor A., Jr., 3,812,056.

Crall, Donald H. System for reefing and furling sails. 3,789,790, 2-5-74, Cl. 114-106.000.

Cramb, Clayton V., to Carlbuilt, Inc. Trailer cap and method of forming same. 3,820,223, 6-28-74, Cl. 29-415.000.

Cramer, Harold. Step stool. 3,826,336, 7-30-74, Cl. 182-15.000.

Cramer, Harold E.: *See—*
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Cramer, Howard A., to Lowrance Electronics, Inc. Trolling motor with steering means. 3,797,448, 3-19-74, Cl. 115-18.00e.

Cramer, Howard A. 4 Lowrance Electronics, Inc. Oxygen analyzer. 3,782,170, 1-1-74, Cl. 73-19.000.

Cramer, Jurgen: *See—*
Alt, Hartmuth; Clasen, Hermann; and Cramer, Jurgen, 3,836,440.

Cramer, Mert, to Berkey-Colortran, Inc. Dimmer circuit and gapped core inductor useful therewith. 3,793,557, 2-19-74, Cl. 315-199.000.

Cramer, Paul C., Company: *See—*
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Cramer, Richard D.: *See—*
Bilofsky, Ruth C.; and Cramer, Richard D., 3,816,119.

Cramer, Robert L.; and Henneman, John W., to Bendix Corporation, The. Servo controlled oxygen regulator. 3,782,402, 1-1-74, Cl. 137-81.000.

Cramer, Robert L.; and Henneman, John W., to Bendix Corporation, The. Mine rescue breating apparatus. 3,805,780, 4-23-74, Cl. 128-142.200.

Cramer, Werner: *See—*
Asselborn, Peter; Cramer, Werner; Gladbach, Bergisch; and Mullejans, Heinrich, 3,785,189.
Asselborn, Peter; Cramer, Werner; and Schmitz, Guenter, 3,819,073.
Asselborn, Peter; Cramer, Werner; and Mullejans, Heinrich, 3,846,610.

Cramer, William H. Method and apparatus for mounting a sleeve on a combined ferrule and electrical conductor. 3,842,483, 10-22-74, Cl. 29-450.000.

Cramer, William H. Negative pressure underfire control system. 3,848,551, 11-19-74, Cl. 110-18.00r.

Crampton, Clifford Archibald; and Cardy, Charles Frederick. Vapor phase oxidation of benzene to maleic anhydride at low oxygen to benzene molar ratios and high benzene concentrations. 3,849,448, 11-19-74, Cl. 260-346.80a.

Cramton, Frank Richard, to E.B. & A.C. Whiting Company. Method for commingling and orienting colored sets of thermoplastic filaments. 3,790,655, 2-5-74, Cl. 264-210.00f.

Cramwinckel, Arnaud; and Reintjes, Rudolf Carlo, to Bitumarin N.V. Method of laying wide asphaltic open mesh reinforced strips. 3,822,556, 7-9-74, Cl. 61-38.000.

Cranch, John F.: *See—*
Hudson, Frederick W.; and Cranch, John F., 3,784,300.

Cranda Corporation: *See—*
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Crandall, Charles B.; and Wieneke, Frederick L., to Barber-Colman Company. Method and apparatus for drawing in warp threads. 3,787,938, 1-29-74, Cl. 28-44.000.

Crandall, Milton A.: *See—*
Rearwin, Richard H.; and Crandall, Milton A., 3,845,412.

Crandall, Olon F.; and Thompson, Ralph. Beet harvesting machine. 3,792,733, 2-19-74, Cl. 171-58.000.

Crandall, Walter E.; and Curtis, Orlie L., Jr., to Northrop Corporation. High speed deflection modulator electron beam signal processor. 3,784,799, 1-8-74, Cl. 325-130.000.

Crandall, Walter E., to Northrop Corporation. Electron storage device with long storage time capability. 3,796,902, 3-12-74, Cl. 313-68.00r.

Crandall, William B.; and Lee, Charles M., Jr., to Sybron Corporation. Low porosity coating and method for producing same. 3,788,874, 1-29-74, Cl. 117-23.000.

Crandell, William H.: *See—*
Barger, J. P.; Crandell, William H.; and Gardner, Thomas W., 3,782,386.

Crandlemire, Roger C. Case inverter. 3,812,982, 5-28-74, Cl. 214-1.0qa.

Crane, Arthur T., to Xerox Corporation. Dual cord interlock. 3,809,916, 5-7-74, Cl. 307-18.000.

Crane, Burke J.; and Shean, Bertram M., to Rixson-Firemark, Inc. Electrical connector hinge. 3,857,625, 12-31-74, Cl. 339-4.000.

Crane, Carl J. Aircraft landing altimeter. 3,797,308, 3-19-74, Cl. 73-178.00t.

Crane, Carl J. Voice-directed aircraft navigation system. 3,840,877, 10-8-74, Cl. 343-102.000.

Crane, Clayton H.; and Fikse, Tyman H., to Robbins Company, The. Upward tunneling. 3,840,272, 10-8-74, Cl. 299-56.000.

Crane Co.: *See—*
Rittenhouse, Howard E.; and Prestridge, James C., 3,802,266.
Rittenhouse, Howard E., 3,826,138.

Crane, Edward J., to International Agri-Systems, Inc. Flexible finger support. 3,795,942, 3-12-74, Cl. 17-11.10r.

Crane, Glen Robert: *See—*
Bergman, John George, Jr.; and Crane, Glen Robert, 3,824,098.

Crane, Harold G.: *See—*
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Crane, Hewitt D.; and Cornsweet, Tom N., to Stanford Research Institute. Two dimensional eye tracker and method for tracking an eye. 3,804,496, 4-16-74, Cl. 351-6.000.

Crane, Jack W.: *See—*
Blanshine, Allison W.; Crane, Jack W.; and Mast, Aquila D., 3,827,223.
Grey, Donald M.; Butler, Lee D.; Welker, Jerry W.; and Crane, Jack W., 3,811,584.

Crane, Jacob: *See—*
Shapiro, Eugene; Crane, Jacob; and Eichelman, George H., Jr., 3,788,902.
Shapiro, Eugene; and Crane, Jacob, 3,841,921.

Crane, Jacob; Friedman, Sam; and Pryor, Michael J., to Olin Corporation. Copper base alloy. 3,816,109, 6-11-74, Cl. 75-157.500.

Crane, Jacob; Friedman, Sam; and Pryor, Michael Joseph, to Olin Corporation. Process for making a novel copper base alloy. 3,852,121, 12-3-74, Cl. 148-2.000.

Crane, James W.; and Hand, David R., to Crosman Arms Company, Inc. Semi-automatic B-B pistol with trigger-connected linkages. 3,824,981, 7-23-74, Cl. 124-11.00r.

Crane, John R.: *See—*
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Crane, John R.; Lawson, James C.; and Petschajer, Richard J., to Sperry Rand Corporation. Flexible carrier and interconnect for uncased ic chips. 3,838,984, 10-1-74, Cl. 29-193.500.

Crane, Merlin L., to Deutsch Company Electronic Components Division, The. Zero insertion force electrical connector. 3,818,419, 6-18-74, Cl. 339-74.00r.

Crane Packing Company: *See—*
Gardner, James F., 3,804,424.
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Novosad, Eugene, 3,782,735.
Wheelock, Edward A., 3,829,106.

Crane, Robert A.; Lipps, Benjamin J.; and Sargent, John A., to Dow Chemical Company, The. Control of ultrafiltration rates during hemodialysis with highly permeable membranes. 3,795,318, 3-5-74, Cl. 210-321.000.

Crane, Robert Anthony, to RCA Limited. Gas discharge device and electrode for use therein. 3,784,928, 1-8-74, Cl. 331-94.500.

Crane, Robert Jr., to Perkin-Elmer Corporation, The. Coherent light source detector. 3,824,018, 7-16-74, Cl. 356-112.000.

Crane, Roy B., to Keene Corporation. Two circuit track lighting system. 3,832,503, 8-27-74, Cl. 200-51.00r.
Crane, Vaemond H.: *See—*
Boss, Garold D.; Crane, Vaemond H.; McBeath, Donald G.; and Thompson, Martin D., 3,815,101.
Crane-Veyor Corporation: *See—*
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Cranford, Wilbert W., Jr.: *See—*
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Crank, George, to Lilly Industries Limited. Certain 2-oxazolylthioureas as fungicides. 3,809,755, 5-7-74, Cl. 424-272.000.
Crank, Gerald E., to Hole Pluggers, Inc. Hole plugging method. 3,831,383, 8-27-74, Cl. 61-35.000.
Crankshaft Machine Company: *See—*
Oeming, Joseph A.; Heffrom, Allan J.; and Estry, Arthur L., 3,808,653.
Crankshaw, John H., to Dynetics, Inc. Accumulator. 3,802,465, 4-9-74, Cl. 138-31.000.
Crankshaw, John H., to Dynetics, Inc. Sound isolation coupling. 3,817,056, 6-18-74, Cl. 64-14.000.
Cranney, William D.: *See—*
Blosser, Robert L.; and Cranney, William D., 3,834,799.
Cranor, Dennis A., to Esco Corporation. Integral cast pin type chain. 3,789,607, 2-5-74, Cl. 59-84.000.
Cranston, Albert E., III; and Lewis, Charles B., to Cranston Machinery Company, Inc. Lifting hook for bound packages. 3,782,772, 1-1-74, Cl. 294-82.00r.
Cranston, Benjamin Howell, to Western Electric Company, Incorporated. Explosive bonding of workpieces. 3,805,120, 4-16-74, Cl. 317-234.00r.
Cranston, Lawrence: *See—*
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Cranston Machinery Company, Inc.: *See—*
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Crapanzano, Angelo T.: *See—*
Steigerwald, John R.; Rasmussen, John P.; and Crapanzano, Angelo T., 3,856,365.
Crapio, Anthony, 30% interest to Lee, Raymond, Organization, Inc., The. Children's feeding utensil. 3,839,793, 10-8-74, Cl. 30-123.000.
Crask, Roy I.; and Egerer, William D., to Buckbee-Mears Company. Lightning arrester. 3,816,802, 6-11-74, Cl. 317-16.000.
Crast, Leonard Bruce, Jr. 7-D-(δ-Amino-α-phenyl-,2-thiengl-and 3-thienyl-and 3-thienyl-acetamido) [-3-]S-(2-methyl-1,2,3-thiazole-4-yl)thiomethyl[-3-cephem-4-carloxylic acids. 3,813,388, 5-28-74, Cl. 260-239.100.
Crast, Leonard Bruce, Jr., to Bristol-Myers Company. 7-Amino-3-[S-(1,2,3-triazole-5-yl)thiomethyl]-3-cephem-4-carboxylic acid and salts thereof. 3,850,916, 11-26-74, Cl. 260-243.00c.
Cratz, Robert E.: *See—*
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Craven, Donald: *See—*
Maltby, Peter John; Glaze, Stanley George; Ellis, Kenneth Harold; Craven, Donald; and Binns, John Michael, 3,847,251.
Craven, Eugene J.: *See—*
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Craven, George Frederick; and Hockham, George Alfred, to International Standard Electric Corporation. Waveguide antenna. 3,848,256, 11-12-74, Cl. 343-768.000.
Craven, Wilbur J., to Stanadyne, Inc. Environment free snap hook. 3,831,229, 8-27-74, Cl. 24-235.000.
Craven, William A., Jr.: *See—*
Adler, Fred P.; and Craven, William A., Jr., 3,853,405.
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Craver, Albert F., to Aurora Corporation of Illinois. Burner cap assembly. 3,809,055, 5-7-74, Cl. 126-39.00h.
Craveri, Renato; Coronelli, Carolina; and Sensi, Piero, to Lepetit, S.p.A. Tetrahexin and process for preparing same. 3,808,331, 4-30-74, Cl. 424-122.000.
Craveri, Renato; Manachini, Luigi; and Aragozzini, Fabrizio, to Societa Italiana Resine S.I.R. S.p.A. Process for the manufacture of proteases. 3,813,319, 5-28-74, Cl. 195-65.000.
Crawford, Alexander, to Massey-Ferguson-Perkins, Limited. Material discharge and spreading apparatus for fluent material. 3,785,573, 1-15-74, Cl. 239-658.000.
Crawford, Allan H., to Mohasco Industries, Inc. Printing apparatus. 3,783,654, 1-8-74, Cl. 68-200.000.
Crawford, Beverley; and Jenkins, Genelle. Automatic animal feeder. 3,826,231, 7-30-74, Cl. 119-51.120.
Crawford, Brian Thomas: *See—*
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Crawford, Burdette B. Unloader mechanism for a handtruck. 3,844,431, 10-29-74, Cl. 214-511.000.
Crawford, Charles M., III: *See—*
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Crawford, Chester C. Pulp bound compacted fuels. 3,829,297, 8-13-74, Cl. 44-15.00d.
Crawford, Donald. Artist's paint box. 3,786,913, 1-22-74, Cl. 206-1.800.
Crawford, Donald C.; and Besserdich, Orrin H., to FMC Corporation. Folding machine. 3,790,157, 2-5-74, Cl. 270-62.000.
Crawford, Donald C.; and Nack, Michael R., to FMC Corporation. Extended dwell heat sealer. 3,850,780, 11-26-74, Cl. 156-583.000.
Crawford Fitting Company: *See—*
Spontelli, Leonard P., 3,786,677.
Spontelli, Leonard P., 3,810,296.
Zahuranec, Emery J.; Bedo, Alfred; and Barth, Ross E., 3,812,963.
Zahuranec, Emery J.; and Barth, Ross E., 3,838,493.
Crawford, Gerald J. B., to Schlumberger Technology Corporation. Acoustic logging apparatus for travel time and cement bond logging. 3,811,529, 5-21-74, Cl. 181-.5ed.
Crawford, Harry M. Method and apparatus for withdrawing fluid samples from a process stream. 3,807,233, 4-30-74, Cl. 73-421.50r.
Crawford, Harry M., to Exxon Research and Engineering Company. Fluid impurity analyzer. 3,856,466, 12-24-74, Cl. 23-230.00r.
Crawford, Howard E.: *See—*
Wehner, William C., 3,842,463.
Crawford, Irvin H.; and Hartman, Francis M.; to Eastman Kodak Company. Novel photographic elements. 3,833,380, 9-3-74, Cl. 96-74.000.
Crawford, Irvin H.; Democh, Roger E.; and Baron, Robert J., to Eastman Kodak Company. Highly stable resin coated paper products and method for making same. 3,853,592, 12-10-74, Cl. 117-60.000.
Crawford, James A. Portable, collapsible multipurpose container. 3,799,228, 3-26-74, Cl. 150-49.000.
Crawford, James E.; and Russell, Richard H., to Owens-Illinois, Inc. Method of coating glass surface and products produced thereby. 3,799,795, 3-26-74, Cl. 117-54.000.
Crawford, James E.; and Russell, Richard H., to Owens-Illinois, Inc. Method of coating glass surface and products produced thereby. 3,811,921, 5-21-74, Cl. 117-72.000.
Crawford, James E., to Owens-Illinois Inc. Process for the preparation of multifunctional peroxydiesters. 3,850,891, 11-26-74, Cl. 260-78.0st.
Crawford, James Edwin: *See—*
Chadha, Rajendra Nath; Crawford, James Edwin; and Getson, John Charles, 3,794,694.
Crawford, Jay D.: *See—*
Kramer, Dean; and Crawford, Jay D., 3,847,217.
Crawford, John T., to Towmotor Corporation. Lift truck fork retaining pins. 3,851,779, 12-3-74, Cl. 214-731.000.
Crawford, Joseph A., to Advance Transformer Co. Three-lamp lead lag rapid start ballast apparatus. 3,792,310, 2-12-74, Cl. 315-257.000.
Crawford, Juan Hamilton, to Industrial Nucleonics Corporation. Measuring gauge with air bearing and resistant to tilt. 3,855,524, 12-17-74, Cl. 324-34.0tk.
Crawford, Kenneth: *See—*
Ashworth, Brian Thomas; Crawford, Kenneth; and Quan, Peter Michael, 3,826,779.
Crawford, Lawrence G., Jr. Plate boring device. 3,841,417, 10-15-74, Cl. 173-31.000.
Crawford, Ollie Lee. Electric lamp menans. 3,852,588, 12-3-74, Cl. 240-108.00r.
Crawford, Ralph W., to Quaker Oats Company, The. Tow cow. 3,792,550, 2-19-74, Cl. 46-98.000.
Crawford, Robert J., to Procter & Gamble Company, The. Insecticidal esters of 1-acenaphthenol. 3,840,584, 10-8-74, Cl. 260-468.00h.
Crawford, Roy P., to International Business Machines Corporation. Sheet removing apparatus. 3,784,190, 1-8-74, Cl. 271-80.000.
Crawford, Thomas G.; and Kearse, William E., to Westinghouse Electric Corporation. Tubing made from B-staged epoxy-resin composition. 3,848,640, 11-19-74, Cl. 138-145.000.
Crawford, Warren N.: *See—*
Miller, Samuel E.; Crawford, Warren N.; and Lawter, Cletus C., 3,805,737.
Crawford, Wheeler C.; Godfrey, Arthur W.; and Reid, Robert E., to Texaco Inc. Lubricating oil containing an alkylmercaptosuccinimide. 3,809,651, 5-7-74, Cl. 252-47.500.
Crawford Wheeler C.; Doyle, William P.; and Patterson, John A., to Texaco Inc. Michael-type addition process. 3,839,259, 10-1-74, Cl. 260-30.200.
Crawford, Wilbur B.; Young, Earl W.; and Happy, Raymond, to General Motors Corporation. Cam controlled surface forming machine. 3,827,191, 8-6-74, Cl. 51-101.00r.
Crawford, William B., to Burlington Industries, Inc. Apparatus for treating cotton to reduce the byssinotic effect thereof. 3,802,031, 4-9-74, Cl. 19-66.00r.
Crawford, William C.: *See—*

Tucker, Richard B. C.; and Crawford, William C., 3,822,062.
Crawley, Alan Arthur, to Lucas Aerospace Limited. Fuel supply arrangements for gas turbine engines. 3,784,329, 1-8-74, Cl. 417-252.000.
Crawley, Carroll L.: *See—*
Schlinger, Warren G.; Kaufman, Harold C.; and Crawley, Carroll L., 3,852,047.
Crawley, James A. Gas cleaner. 3,823,531, 7-16-74, Cl. 55-233.000.
Crawley, Thomas B. Removable reusable labels. 3,822,492, 7-9-74, Cl. 40-2.000.
Crawley, William B.: *See—*
Povlacs, Lawrence J.; and Crawley, William B., 3,809,090.
Crawshaw, James R.: *See—*
Bernstein, Benjamin T.; Crawshaw, James R.; and McCurry, Morris H., 3,832,613.
Craxton, Robert Trevor, to Autoflow Engineering, Limited. Digital to analogue converter. 3,790,875, 2-5-74, Cl. 318-573.000.
Cray, Seymour R.; and Roush, Maurice D., to Control Data Corporation. Interconnect technique for stacked circuit boards. 3,832,603, 8-27-74, Cl. 317-101.00d.
Cray, Seymour R., to Control Data Corporation. Multi-mode data processing system. 3,833,889, 9-3-74, Cl. 340-172.500.
Crayton, John W.: *See—*
Miller, Robert G.; Crayton, John W.; Farmer, Charles G.; and Satzler, Ronald L., 3,840,979.
CRC Compagnie di Ricerca Chimica S.A.: *See—*
Kajfez, Franjo; Kovac, Tomislav; and Sunjic, Vitomir, 3,852,274.
CRC-Crose International, Inc.: *See—*
Calvin, Edward A.; Wheeler, Lionel H.; Brooks, Robert E., Jr.; and Campbell, Wallace C., Jr., 3,851,519.
Clavin, Edward A.; Wheeler, Lionel H.; Brooks, Robert E., Jr.; and Campbell, Wallace Clealon, Jr., 3,834,210.
Foster, Robert D.; and Scott, Leonard W., Jr., 3,840,262.
Foster, Robert Don, 3,837,698.
Nelson, Jerome W.; Pollock, Robert E.; and Randolph, James B., 3,806,694.
Nelson, Jerome W.; Randolph, James B.; and Pollock, Robert E., 3,807,715.
Nelson, Jerome W.; Andolph, James B.; and Miller, Ford S., 3,844,468.
Thigpen, James L., 3,831,684.
CRC-Crose International Inc., mesne: *See—*
Edwards, Coy W.; and Laborde, Enos J., Jr., 3,858,026.
Creach, Eugene F.: *See—*
De Luca, Anthony F.; Creach, Eugene F.; and Jones, Michael H., 3,817,435.
Creadon, William F.: *See—*
Norton, James F.; and Creadon, William F., 3,836,114.
Creager, John E.: *See—*
Schlanzky, Manfred P. H.; and Creager, John E., 3,798,970.
Creager, John E.; and Taylor, Robert G., to General Motors Corporation. Combination engine operated fuel pump and air pump. 3,849,029, 11-19-74, Cl. 417-388.000.
Creamer, Charles Edward, to Union Carbide Corporation. Polysiloxane carbamate compounds. 3,816,359, 6-11-74, Cl. 260-2.50s.
Crear, Jobie: *See—*
Lalk, James W.; and Crear, Jobie, 3,852,102.
Creaser, Leonard F., to Shell Oil Company. Flexible insulants for containers and conduits. 3,810,839, 5-14-74, Cl. 252-62.000.
Creasey, Jack R., to PPG Industries, Inc. Thread wear indicator. 3,814,160, 6-4-74, Cl. 152-330.000.
Creasman, David O.: *See—*
Boettcher, Clifford T.; and Creasman, David O., 3,788,575.
Creasman, Frances S.: *See—*
Boettcher, Clifford T.; and Creasman, David O., 3,788,575.
Creason, Howard. Cartridge roller bearing roll mounts for roller mill. 3,806,049, 4-23-74, Cl. 241-233.000.
Creative Building Systems: *See—*
Hodess, Paul T., 3,846,953.
Creative Concepts Corporation: *See—*
Rosenberg, Arthur, 3,824,001.
Creative Inc.: *See—*
Calhan, Richard B., 3,797,353.
Creative Logic Corporation: *See—*
Renzo, Peter C., 3,809,894.
Creative Patents & Products Limited: *See—*
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Creators Limited: *See—*
Hearn, Robert Renner, 3,811,989.
Kent, Cecil, 3,843,475.
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Credali, Lino: *See—*
Chiolle, Antonio; Credali, Lino; Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, 3,813,354.
Chiolle, Antonio; Credali, Lino, Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, 3,840,634.
Credico, Delphine: *See—*
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Credico, John, Jr.; and Credico, Delphine. Simulated mountain climbing board game apparatus. 3,792,865, 2-19-74, Cl. 273-131.00b.
Credoz, Paul; Descremoux, Jacques; and Gaffet, Jacques, to Fives-Lillie-Cail. Heat exchanger. 3,797,566, 3-19-74, Cl. 165-114.000.
Cree, David A., to Eastman Kodak Company. Electrophotographic transfer process. 3,814,599, 6-4-74, Cl. 96-1.400.
Creech, Barnard C.: *See—*
De Vries, Donald L.; and Creech, Barnard C., 3,855,014.
Creed, John: *See—*
Arild, Arnulf; Creed, John; Folkestad, Olav; Odegard, Erik; Brandtzaeg, Anton; and Selberg, Arne Brigt Bru., 3,849,821.
Creefkes, Johannes Anton: *See—*
Boudewijns, Henricus Petrus Johannes; and Creefkes, Johannes Anton, 3,794,763.
Creek, Ellis A.: *See—*
Brown, Absalom, 3,812,674.
Creek, Ronald Boyd, to Combustion Engineering, Inc. IMFBR intermediate heat exchanger. 3,850,231, 11-26-74, Cl. 165-83.000.
Creely, Joseph W. Compositions for rendering fibrous materials hydrophobic. 3,806,482, 4-23-74, Cl. 260-28.50a.
Crees, Silas Ray. Cable bending apparatus. 3,786,668, 1-22-74, Cl. 72-388.000.
Crees, Silas Ray. Apparatus for drawing conductor wires through conduits. 3,809,366, 5-7-74, Cl. 254-134.3ft.
Creger, Paul L.: *See—*
Moersch, George W.; and Creger, Paul L., 3,857,884.
Creger, Paul L.; and Neuklis, Winifred A., to Parke, Davis & Company. 2,2-Dimethyl-5-(aryloxy)-valeraldehydes. 3,847,994, 11-12-74, Cl. 260-600.000.
Creighton, Albert M.; and Devaney, William D., to Chemical Development Corporation. Dispenser for precisely metered dispensing of viscous fluids. 3,828,980, 8-13-74, Cl. 222-137.000.
Creighton, David M.: *See—*
Austin, Robert R.; and Creighton, David M., 3,811,253.
Creighton, David M., to International Telephone and Telegraph Corporation. Fluid monitoring system and fluid sampling method and apparatus for use therewith. 3,819,330, 6-25-74, Cl. 23-254.00e.
Creighton, Stephen M., to Hooker Chemical Corporation. Hydroxyaryl adducts of decachloropentacyclo (5.3.0.0^{2,6}.0^{4,10}.0^{5,9}) decane-3-one and esters thereof. 3,816,543, 6-11-74, Cl. 260-619.00d.
Creighton, Stephen Mark; Mitchell, David Lawrence; and Kay, William Chee, to Research Counsil of Alberta. Seedling container. 3,788,003, 1-29-74, Cl. 47-56.000.
Crellin, John R., Jr., to Albany International Corporation. Snap lock assembly. 3,785,584, 1-15-74, Cl. 242-118.600.
Cremean, Stephen P.: *See—*
Reid, Edward A., Jr.; and Cremean, Stephen P., 3,815,489.
Cremer, Dieter; and Hans, Rainer, to Interatom Internationale Atomreaktorbau GmbH. Device for discontinuously measuring the level of liquid metal supplied to a container. 3,818,759, 6-25-74, Cl. 73-290.00r.
Crener, Bengt Olof, to Aktiebolaget Electrolux. Vacuum cleaning apparatus. 3,802,026, 4-9-74, Cl. 15-372.000.
Crenna, Richard D. Acoustical earpiece for air-push sound systems 3,810,525, 5-14-74, Cl. 181-23.000.
Crenshaw, William N., Jr., to KCL Corporation. Folding device. 3,797,821, 3-19-74, Cl. 270-79.000.
Crepaco, Inc.: *See—*
Wakeman, Alden H., 3,831,906.
Crepinsek, Alois, to Security Technology Corporation. Preassembled lock of the unit type. 3,789,633, 2-5-74, Cl. 70-110.000.
Crepinsek, Alois, to Security Technology Corporation. Slidably removable padlock assembly. 3,796,071, 3-12-74, Cl. 70-32.000.
Crescent Hosiery Mills: *See—*
East, Raymond B., 3,796,067.
Crescent Insulated Wire & Cable Company, Inc.: *See—*
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Crescent Manufacturing Company: *See—*
Simonton, Robert D.; and Axe, Albert A., 3,822,510.
Crescentini, Lamberto: *See—*
Wells, Rodney Lee; and Crescentini, Lamberto, 3,794,631.
Wells, Rodney Lee; and Crescentini, Lamberto, 3,808,291.
Crescentini, Lamberto; and Wells, Rodney Lee, to Allied Chemical Corporation. Antistatic polyamide fiber containing sulfonic acid polyether reaction product. 3,787,523, 1-22-74, Cl. 260-857.0pg.
Crescentini, Lamberto; Wells, Rodney Lee; Lazarus, Stanley David; and Weedon, Gene Clyde, to Allied Chemical Corporation. Antistatic polyamide fiber containing sulfonic acid polyether reaction product. 3,787,524, 1-22-74, Cl. 260-857.0pg.
Crescini, Jean: *See—*
Cordelle, Michel; Crescini, Jean; Glenat, Henri; and Salvi Antoine, 3,823,364.
Creskoff, Jacob J., to Aerovac Corporation. Longitudinally stiffened flexible lifter for arcuate objects. 3,833,251, 9-3-74, Cl. 294-64.00r.
Crespi, Carlo. Device for raising weights in precision balances. 3,842,925, 10-22-74, Cl. 177-248.000.
Crespo, Carlos A. Portable submersible pump. 3,785,752, 1-15-74, Cl. 417-319.000.

Cressey, Philo Burton, Jr., to Scott Paper Company. Method of cast coating paper. 3,832,216, 8-27-74, Cl. 117-64.00c.
Cressman, Fred D., to Canada Barrels & Kegs, Limited. Helical shelf for rotary inclined processing tank. 3,795,121, 3-5-74, Cl. 69-30.000.
Cresswell, Harold William. Retention devices for sheet material. 3,818,550, 6-25-74, Cl. 24-243.00k.
Cresswell, Michael C.: *See—*
Roberts, John S.; and Cresswell, Michael C., 3,852,612.
Cresswell, Michael W.: *See—*
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Cresswell, Ronald M.: *See—*
Mentha, John W.; Shaffner, Janice V.; and Cresswell, Ronald M., 3,849,416.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., to Burroughs Wellcome & Co. (U.S.A.) Inc. 5-Benzyl pyrimidines intermediates. 3,849,407, 11-19-74, Cl. 260-240.00r.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., to Burroughs Wellcome Co. 5-Benzyl pyrimidines intermediates therefor and method. 3,849,470, 11-19-74, Cl. 260-465.00f.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., to Burroughs Wellcome Co. 5-Benzyl pyrimidines intermediates therefore, and method. 3,850,927, 11-26-74, Cl. 260-256.40n.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., to Burroughs Wellcome Co. 5-Benzyl pyrimidines intermediate therefore, and method. 3,852,276, 12-3-74, Cl. 260-240.00r.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., to Burroughs, Wellcome Co. 5-Benzyl pyrimidines intermediates therefore, and method. 3,855,265, 12-17-74, Cl. 260-465.00e.
Crest Container Corporation: *See—*
Harrison, James M., 3,820,684.
Harrison, James M., 3,852,390.
Crested Butte Records, Inc.: *See—*
Sch maker, Aaron C.; and Hay, Isaac K., Jr., 3,825,112.
Creston Manufacturing Co., Inc.: *See—*
Behrens, Norman A., 3,797,807.
Creswick, William E.: *See—*
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Crete Guerin, Adolphe. Compact ground preparing roller. 3,823,780, 7-16-74, Cl. 172-150.000.
Crete, Richard C. Tripod shelf. 3,830,168, 8-20-74, Cl. 108-50.000.
Creter, Phillip G., to Itek Corporation. Physically developable copy medium with photoconductors and complexing agent. 3,791,829, 2-12-74, Cl. 96-48.0pd.
Cretex Companies, Inc., The: *See—*
Longfellow, Richard C., 3,831,954.
Cretin, Jacques: *See—*
Therond, Jean-Francois; Mermet, Jean; Barret, Jean-Pierre; and Cretin, Jacques, 3,800,126.
Cretin-Mattenaz, Bernard, to Essilor International (Compagnie Generale d'Optique). Ophthalmic lenses with progressively varying focal length. 3,785,724, 1-15-74, Cl. 351-169.000.
Creusot-Loire: *See—*
Almand, Edouard, 3,784,374.
Ancelle, Bernard; and Lejeune, Pierre, 3,834,869.
Brochard, Claude; and Cossart, Rene, 3,812,764.
Champeau, Andre, 3,790,141.
Daniel, Edmond, 3,831,870.
Delaire, Georges, 3,841,615.
Demus, Andre, 3,795,127.
Leroy, Pierre; and Sprunck, Emile (said Leroy assor. to), 3,817,505.
Leroy, Pierre, 3,832,161.
Leroy, Pierre; Cadart, Michel; Morlet, Jean Georges; and Saleil, Jean, 3,844,768.
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Creusot-Loire, Societe Anonyme, mesne: *See—*
Leroy, Pierre; Gombert, Marcel; and Sprunck, Emile, 3,817,744.
Creutz, Hans-Gerhard; Romanowski, Edward A.; and Symons, Philip C., to Occidental Energy Development Company. Battery electrolyte composition containing the reaction product of an amine and an aldehyde. 3,811,946, 5-21-74, Cl. 136-30.000.
Creutz, Hans-Gerhard, to Oxy Metal Finishing Corporation. Method to improve zinc deposition employing multi-nitrogen quaternaries. 3,853,718, 12-10-74, Cl. 205-55.00r.
Creuzet, Robert. Heat-extrusion method. 3,791,183, 2-12-74, Cl. 72-46.000.
Creuzet, Robert Armand. Hot extrusion machine. 3,786,665, 1-22-74, Cl. 72-259.000.
Crevar, Steve, Jr.: *See—*
Boisen, Martin H.; Crevar, Steve, Jr.; and Morris, Robert T., 3,797,635.
Crew, Norman B.: *See—*
Self, Kenneth W.; Crew, Norman B.; and Twyman, Bill I., 3,806,159.
Crewe, Albert V., to Perkin-Elmer Corporation, The. Electron microscope. 3,783,281, 1-1-74, Cl. 250-311.000.
Crewe, Peter Rowland, to British Hovercraft Corporation, Limited. Fluid cushion supported vehicles. 3,837,314, 9-24-74, Cl. 114-67.00a.
Crewe, Stanley Carleton: *See—*
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Crews, Donald R.; and Larson, Larry A., to Caterpillar Tractor Company. Fuel-air ratio control for supercharged engines. 3,795,233, 3-5-74, Cl. 123-140.00r.
Crews, Ernest R.: *See—*
Roberts, Donald R.; Peters, William J.; Harrington, Thaddeus A.; Broomfield, Junior; and Crews, Ernest R., 3,839,823.
Crews, Sam T.: *See—*
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Cribben, James T.: *See—*
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Cribbens, Alan H.; and Smith, Olive V., to British Railways Board. Vehicle communications. 3,796,838, 3-12-74, Cl. 179-82.000.
Cricchi, James R.: *See—*
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Cricchi, James R., to Westinghouse Electric Corporation. Method and apparatus for electronically recovering metal-nitride-oxide semiconductor devices exposed to radiation. 3,821,566, 6-28-74, Cl. 307-304.000.
Cricchi, James R., to Westinghouse Electric Corporation. MNOS/SOS random access memory. 3,836,894, 9-17-74, Cl. 340-173.00r.
Cricchi, James R., to Westinghouse Electric Corporation. Counter with memory utilizing MNOS memory elements. 3,845,327, 10-29-74, Cl. 307-238.000.
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Cricchio, Renato, to Gruppo Lepetit S.p.A. Pyrono-rifamycins. 3,817,986, 6-18-74, Cl. 260-239.30p.
Cricchio, Renato, to Gruppo Lepetit S.p.A. N-Derivatives of 4-amino-4-desoxy-rifamycin SV and preparation. 3,821,199, 6-28-74, Cl. 260-239.30p.
Cricchio, Renato, to Gruppo Lepetit S.p.A. Alkenyl substituted rifamcyin SV compounds. 3,847,901, 11-12-74, Cl. 260-239.30p.
Crichton, David R.: *See—*
Charnley, Peter W.; and Crichton, David R., 3,803,874.
Crickmer, Charles D. Adjustable tongs. 3,809,424, 5-7-74, Cl. 294-113.000.
Crickmer, Robert Edward: *See—*
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Criddle, Dean W.; and Meader, Arthur L., Jr., to Chevron Research Company. Resilient oil extended polyurethane surfaces. 3,846,364, 11-5-74, Cl. 260-33.6ub.
Crider, Albert A.: *See—*
Zawiski, Robert F.; Crider, Albert A.; and Ernohazy, Stephen, 3,833,214.
Criel, Martin J.: *See—*
Hunt, Maureen A.; and Criel, Martin J., 3,798,685.
Crigger, Clarence J.; and Arbogast, Ralph S. Snow and ice anti-skid devices for shoes. 3,834,045, 9-10-74, Cl. 36-7.600.
Crile, Eugene E.: *See—*
Wright, Lawrence W.; Tolleson, Leon H.; Abrahamson, Daniel P.; Thomas, Paul M.; and Crile, Eugene E., 3,789,101.
Crilly, Robert R. Sterile drainage assemblies. 3,832,999, 9-3-74, Cl. 128-275.000.
Crim, Ivan H.: *See—*
Pittman, Clarence E.; and Crim, Ivan H., 3,819,895.
Crim, Paul E.; and Warfield, Wayne, to Stryker Corporation. Drill like driving device. 3,797,497, 3-19-74, Cl. 128-310.000.
Crim, Walter W. Telephone and electric cord reel. 3,854,017, 12-10-74, Cl. 191-12.20r.
Crimmel, Harry W.; Terezakis, Emanuel G.; and Sutula, Phyllis A., to Owens-Corning Fiberglas Corporation. Fast coloring of glass fibers and glass fabrics. 3,847,655, 11-12-74, Cl. 117-126.0gq.
Crimmins, Arthur G.; and Nissley, William J., Jr., to All American Industries, Inc. Air cushion apparatus. 3,826,329, 7-30-74, Cl. 180-125.000.
Crimmins, Arthur G., to All American Industries, Inc. Air cushion pallet. 3,834,556, 9-10-74, Cl. 214-1.0be.
Criner, Joseph C., to Kyle Incorporated. Bell wire expander. 3,847,005, 11-12-74, Cl. 72-393.000.

Crinos Industria Farmacobiologica S.p.A.: *See—*
Butti, Adriano; Prino, Giuseppe; and Mantovani, Marisa, 3,829,567.
Cripe, Donald M.: *See—*
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Crippa, Jean-Pierre, to Les Produits Associes SA. Removable attachment for a hand appliance for body care including coupling retaining means. 3,851,984, 12-3-74, Cl. 403-322.000.
Crisafulli, Angelo J. Oil skimmer module with free floating weir trough. 3,822,789, 7-9-74, Cl. 210-242.000.
Crisafulli, Angelo J. Reversible endless track for vehicles. 3,851,931, 12-3-74, Cl. 305-54.000.
Crisci, Victor Eugene, to Mammoth Plastics Inc. Container and cover therefor. 3,830,395, 8-20-74, Cl. 215-321.000.
Criscione, John Michael: *See—*
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Crisler, Larry R.; and Eggerman, William G., to United States of America, Atomic Energy Commission. Chemical Vapor deposition of uranium and plutonium. 3,832,222, 8-27-74, Cl. 117-107.20r.
Crisp, David J.; and Ford, Roger A., to N.R. Fitments Limited. Non-refillable fitment. 3,810,558, 5-14-74, Cl. 215-21.000.
Crispin, Thayer S.; and Duskin, Fred E., to McDonnell Douglas Corporation. Decorative acoustic panel. 3,822,762, 7-9-74, Cl. 181-33.00g.
Crisplant A/S: *See—*
Christensen, Svend; and Nielsen, Jacob August, 3,828,681.
Criss, William H.; and Shackeleford, John R., to Stange Co. Method of applying liquid surface treating material to sausages. 3,790,685, 2-5-74, Cl. 426-302.000.
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Cristelli, Joseph. Compartmental adapters for golf bags. 3,842,876, 10-22-74, Cl. 150-1.50r.
Cristiani, Athos, to AMF Incorporated. System and device for cutting and reducing rod segments. 3,782,229, 1-1-74, Cl. 83-37.000.
Cristiani, Athos, to AMF Incorporated. Method and apparatus for increasing the density of tobacco in predetermined sections of a tobacco braid. 3,795,249, 3-5-74, Cl. 131-84.00c.
Cristiani, Athos, to AMF Incorporated. Decelerator of cigarettes collected by a fluted drum. 3,825,105, 7-23-74, Cl. 198-20.00c.
Criswell, H. C.: *See—*
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Criswell, Homer C. Curtain wall gasket system. 3,841,045, 10-15-74, Cl. 52-395.000.
Criswell, Richard R. Playing table with base for holding fluid therein. 3,837,645, 9-24-74, Cl. 273-3.00c.
Critchfield, Frank E.; and Koleske, Joseph V., to Union Carbide Corporation. Graft copolymers of lactone polyesters and blends thereof with/PVC. 3,816,566, 6-11-74, Cl. 260-898.000.
Critchfield, Jack G., to Handy Button Machine Company. Button collet. 3,829,935, 8-20-74, Cl. 24-90.00b.
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Critchley, John Edward; and Haight, William John, to Bell Canada-Northern Electric Research Limited. Telephone substation apparatus for generating multi-frequency signals. 3,814,865, 6-4-74, Cl. 179-84.0vf.
Critchley, John Phillip, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Aromatic fluoro-polyimides. 3,832,322, 8-27-74, Cl. 260-37.00n.
Critchlow, Arthur J.; and Bryson, Charles J., to Materials Management Systems, Inc. Article handling machine. 3,820,667, 6-28-74, Cl. 214-1.0bt.
Critchlow, Dale L.; and Schuster, Stanley E., to International Business Machines Corporation. Fet device with guard ring and fabrication method therefor. 3,798,512, 3-19-74, Cl. 317-235.00r.
Critchlow, Ezra F.: *See—*
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Critchlow, Philip R.; and Zeitlein, Bruce A., to Airco, Inc. Multi-filament composite superconductor with transposition of filaments and method of making same. 3,829,964, 8-20-74, Cl. 29-599.000.
Critchlow, Philip R.; and Zeitlin, Bruce A. Multi-filament composite superconductor with transposition of filaments. 3,835,242, 9-10-74, Cl. 174-126.0cp.
Crites, Nelson A., to Battelle Memorial Institute. Ratigue indication. 3,786,679, 1-22-74, Cl. 73-88.50r.
Crites, Nelson A., to Battelle Memorial Institute. Stress indication. 3,788,186, 1-29-74, Cl. 85-62.000.
Crites, Nelson A.; and Schaer, Glenn R., to Battelle Development Corporation. Encapsulation. 3,788,955, 1-29-74, Cl. 204-25.000.
Crites, Nelson A.; and Chambers, Samuel P., to Battelle Development Corporation, The. Indicating coating for locating fatigue cracks. 3,803,485, 4-9-74, Cl. 324-65.00r.
Critten, Donald Louis. Flow velocity measurement. 3,844,170, 10-29-74, Cl. 73-194.00e.
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Crivellaro, Gianbattista; and Oldani, Francesco, to Gruppo Lepetit S.p.A. Soluble tablets. 3,819,824, 6-25-74, Cl. 424-44.000.
Crivello, James V., to General Electric Company. Polyimides. 3,855,239, 12-17-74, Cl. 260-326.260.
Crivilles, Jose Maria Roger. Front loading washing and drying machine. 3,841,117, 10-15-74, Cl. 68-20.000.
Croan, Kenneth F. Honeycomb spacer strip. 3,820,177, 6-28-74, Cl. 6-2.00a.
Croan, Kenneth F. Method of recovering honey from artificial honeycombs. 3,840,925, 10-15-74, Cl. 6-2.00r.
Croasdale, Fred; and Evans, Raymond Victor, to Platt International Limited. Open end spinning apparatus. 3,822,541, 7-9-74, Cl. 57-58.890.
Croasdale, Fred; Clayton, James William Barnes; and Norman, Keith, to Platt International Limited. Open-end textile spinning machines. 3,828,539, 8-13-74, Cl. 57-58.910.
Croasdale, Fred; and English, Michael John, to Platt International Limited. Apparatus for the open-end spinning of textile yarns. 3,844,100, 10-29-74, Cl. 57-58.890.
Croce, Joesph; and Bayer, Kurt. Retractable leash device. 3,853,283, 12-10-74, Cl. 242-107.400.
Croce, Louis J.; and Bajars, Laimonis, to Petro-Tex Chemical Corporation. Process of dehydrogenation. 3,845,153, 10-29-74, Cl. 260-680.00e.
Croce, Nicola. Device for releasably connecting a sinker to a line. 3,786,595, 1-22-74, Cl. 43-44.870.
Crocker, Clifford G. Dart and roulette board. 3,850,432, 11-26-74, Cl. 273-105.200.
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Crocker, James Dennis: *See—*
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Crocker, Richard E., to Chevron Research Company. Process for preparing oil-soluble basic magnesium salts. 3,853,774, 12-10-74, Cl. 252-33.400.
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Crocker, Roger A.; and Schoolcraft, Jim F., said Schoolcraft assor. to said Crocker, Roger A. Drill pipe handling apparatus. 3,785,506, 1-15-74, Cl. 214-1.00p.
Crocker, Roger A.; and Schoolcraft, Jim F., said Schoolcraft assor. to said Crocker, Roger A. Pipe handling device. 3,810,553, 5-14-74, Cl. 214-2.500.
Crocker, Roy E. Apparatus for heat treating liquid or semi-liquid material. 3,846,302, 11-5-74, Cl. 210-71.000.
Crocker, Tallie Joseph, to Du Pont de Nemours, E. I., and Company. Toothed piddler belts. 3,807,615, 4-30-74, Cl. 226-172.000.
Crocket, James H. Guide for severing sheet material. 3,854,214, 12-17-74, Cl. 33-80.000.
Crockett, Ivan L.; and Davidson, Ian H., to Hewlett-Packard Company. Integrator providing automatic tangential base-line correction. 3,818,357, 6-18-74, Cl. 328-127.000.
Crockett, Joseph T.: *See—*
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Croft, Brian Hugh; and Browne, Denis Anthony, to Lucas, Joseph, (Industries) Limited. Inlet manifolds. 3,814,069, 6-4-74, Cl. 123-52.00m.

Croft, Harry E. Shopper's kit. 3,827,551, 8-6-74, Cl. 206-214.000.
Croft, Thomas S.; and La Mar Zollinger, Joseph, to Minnesota Mining and Manufacturing Company. α~τ-Di-s-triazinyl perfluorooxaalkanes. 3,816,416, 6-11-74, Cl. 260-248.0cs.
Croft, W. Jack, to Wichita Engineering Co., Inc. Pecan harvesting machine. 3,789,592, 2-5-74, Cl. 56-328.00r.
Croisier, Alain; and Riso, Vladimir, to International Business Machines Corporation. Digital filter for delta coded signals. 3,822,404, 7-2-74, Cl. 325-38.00b.
Croisier, Alain, to International Business Machines Corporation. Digital Phase detector. 3,825,737, 7-23-74, Cl. 235-186.000.
Croisier, Alain, to International Business Machines Corporation. Method and apparatus for noise reduction in discrete phase modulated signals. 3,855,539, 12-17-74, Cl. 329-104.000.
Croisier, Paul, to VCB, Societe Anonyme. Thieno [3,4-d pyrimidines. 3,850,919, 11-26-74, Cl. 260-247.101
Croix, Louise S., to Airco, Inc. Inhalant analgesic and anesthetic method and composition. 3,806,602, 4-23-74, Cl. 424-342.000.
Croix, Louise S., to Airco, Inc. Azeotropes of 1-chloro-2,2,2-trifluoroethyl difluoromethyl ether with acetone, methyl ethyl ketone and tetrahydrofuran. 3,846,332, 11-5-74, Cl. 252-364.000.
Croix-Marie, Francis Marie; and Dubois, Daniel Jean-Marie, to Bertin & Cie. Attitude compensation method and system for ground-effect machines. 3,835,952, 9-17-74, Cl. 180-118.000.
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Crom, John M., Jr. Prestressed tank and method of producing same. 3,822,520, 7-9-74, Cl. 52-224.000.
Cromer, Charles F.; Yoon, Kue Hong; and Dakin, Hayes O., Jr., to Westinghouse Electric Corporation. Gas operated blast valve for double-flow interrupters. 3,792,218, 2-12-74, Cl. 200-148.00b.
Cromer, George P., to General Electric Company. Battery coil construction. 3,790,408, 2-5-74, Cl. 136-13.000.
Cromie, Harry W., to Baxter Laboratories, Inc. Modular pneumatic surgical drill. 3,832,088, 8-27-74, Cl. 415-199.00r.
Cromp, Theodore O., to Hunter Engineering Company, Inc. Closed loop, inert atmosphere, paint line oven heat. 3,787,171, 1-22-74, Cl. 432-72.000.
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Kronoff, Clarence R.; and Hayden, Donald F., 3,788,361.
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Crompton, George. Wind turbulence metering. 3,803,910, 4-16-74, Cl. 73-188.000.
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Cromwell, John E., to Koppers Company, Inc. Flame-sprayable composition of nickel coated molybdenum. 3,843,334, 10-22-74, Cl. 29-191.200.
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Cromwell, William E., to Philadelphia Quartz Company. Quaternary ammonium silicate for polishing silicon metal. 3,807,979, 4-30-74, Cl. 51-308.000.
Cronan, Charles J.: *See—*
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Crone, John M., Jr.; and Suggitt, Robert M., to Texaco Inc. Method of separating dicyclohexyl benzenes. 3,784,619, 1-8-74, Cl. 260-668.00r.
Crone, Ruth B. Paper roll support for typewriters. 3,797,631, 3-19-74, Cl. 197-133.00r.
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Cronin, John C., to I-T-E Imperial Corporation. Conductive particle trap for high-power, gas-insulated transmission system. 3,792,188, 2-12-74, Cl. 174-28.000.
Cronin, John C. Grounded gas insulated bus enclosure-combined enclosure joint backup ring and contamination control device. 3,813,475, 5-28-74, Cl. 174-21.00c.
Cronin, John C.; and Dodge, David S., to I-T-E Imperial Corporation. Low dielectic stress termination for gas-insulated transmission system. 3,814,830, 6-4-74, Cl. 174-22.00c.
Cronin, John C., to I-T-E Imperial Corporation. Cable drawn through polymer tube within polymer housing for electrical transmission. 3,814,832, 6-4-74, Cl. 174-28.000.
Cronin, John E., to United States of America, Army. Modulated transistor oscillators. 3,855,553, 12-17-74, Cl. 331-117.00r.
Cronin, Michael J.; and Vogt, George H., to General Electric Company. Voltage and current monitoring system. 3,831,160, 8-20-74, Cl. 340-256.000.
Cronin, Timothy H.; and Hess, Hans-Jurgen E., to Pfizer Inc. 4-(Quinolin-4-yl)piperazine-1-carboxylic acid esters. 3,812,127, 5-21-74, Cl. 260-268.0bq.
Cronin, Timothy H.; and Hess, Hans-Jurgen E., to Pfizer Inc. Piperazino quinazoline bronchodilators. 3,814,760, 6-4-74, Cl. 260-356.40q.
Cronin, Timothy H.; and Richardson, Kenneth, to Pfizer Inc. Hydroxyalkyl esters of quinoxaline-di-N-oxide-2-carboxylic acid. 3,818,007, 6-18-74, Cl. 260-250.00r.
Cronin, Timothy H., to Pfizer, Inc. Labile esters of alpha-isocyanobenzylpenicillin as chemical intermediates. 3,847,900, 11-12-74, Cl. 260-239.100.
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Cronson, Harry M.; and Mitchell, Peter G., to Sperry Rand Corporation. Network time domain measurement system. 3,812,423, 5-21-74, Cl. 324-58.50a.
Cronstedt, Val, to Avco Corporation. Gas turbine engine with power shaft damper. 3,814,549, 6-4-74, Cl. 417-406.000.
Cronstedt, Val, to Avco Corporation. Differential gas turbine engine. 3,853,432, 12-10-74, Cl. 417-405.000.
Cronsweet, Tom N., to Acuity Systems, Incorporated. Method and means for relaxing the accommodation of the eye. 3,843,240, 10-22-74, Cl. 351-2.000.
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Crook, Alan; and Lumsden, Norman, to British Domestic Appliances Limited. Switching mechanism. 3,823,329, 7-9-74, Cl. 307-141.00r.
Crook, Edward J., Jr., to American Hoist & Derrick Company. Two-piece swage fittings. 3,825,356, 7-23-74, Cl. 403-122.000.
Crook, Evan H.; and Kittle, Paul A., to Rohm and Haas Company. Removal of residual organoleads from organic liquids. 3,838,043, 9-24-74, Cl. 208-251.00r.
Crook, James E.; Cutler, John F., Jr.; and Khanna, Jai K., to Wallace-Murray Corporation. Engine supercharging air · cooling system. 3,796,047, 3-12-74, Cl. 60-612.000.
Crook, Keith Jeremy, to International Computers Limited. Data display. 3,842,404, 10-15-74, Cl. 340-172.500.
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Crooks, Gary V. Ozone generating means. 3,838,290, 9-24-74, Cl. 250-532.000.
Crooks, Horatio Nelson, to Information International, Inc., mesne. Method and apparatus for forming halftone images. 3,806,641, 4-23-74, Cl. 178-6.700.
Crooks, James W., to Smith, R. L., Gear Company. Winch mechanism. 3,788,607, 1-29-74, Cl. 254-186.00r.
Crooks, Stanley R., to Whirlpool Corporation. Vacuum cleaner structure. 3,832,753, 9-3-74, Cl. 15-371.000.
Croom, Hardy C., to Owens-Illinois, Inc. Method of decolorizing waste process liquid discharged by a paper mill. 3,833,463, 9-3-74, Cl. 162-29.000.
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Cropper, Wendell P.; Kapff, Staxt Frederick; and Jacobs, Robert B., to Standard Oil Company. Phase interface indicator. 3,794,913, 2-26-74, Cl. 324-65.00p.
Croquelois, Jean-Pierre; Erskine, William; and Gerber, Raymond, to Battelle Memorial Institute. Process and device for non-impact printing with liquid ink. 3,834,301, 9-10-74, Cl. 101-1.000.

Crosa, Valentin L. Clamping system. 3,796,124, 3-12-74, Cl. 85-36.000.
Crosbie, Richard B.; and Byra, Thomas A., to Uniroyal, Inc. Footwear embodying fabricless thermoplastic counter. 3,851,411, 12-3-74, Cl. 36-68.000.
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Crosby, David Winston, to Imperial Chemical Industries Limited. Treatment of sheet materials. 3,782,899, 1-1-74, Cl. 8-149.200.
Crosby, Edward L. Jr., to United States of America, Air Force. Tethered balloon refueling system. 3,834,655, 9-10-74, Cl. 244-135.00r.
Crosby, Guy A.; and Peters, Gerald C., to Dynapol. Halogenated aromatic compound having sweetening properties. 3,845,225, 10-29-74, Cl. 426-217.000.
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Crosby, Millard W. Refrigeration apparatus, including defrosting means. 3,822,562, 7-9-74, Cl. 62-196.000.
Crosby, Murray G., to Audicom Corporation. Communication including submerged identification signal. 3,845,391, 10-29-74, Cl. 325-64.000.
Crosby, Philip C.; and Goyette, Robert J., to Meditech Energy and Environmental Corporation. Quick-responding thermometer. 3,833,145, 9-3-74, Cl. 220-64.000.
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Croset, Michel; and Velasco, Gonzalo, to Thomson-CSF. Stepped integrated waveguide structure with directional coupling and a method of manufacturing such structures. 3,785,717, 1-15-74, Cl. 350-96.0wg.
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Croset, Michel; and Velasco, to Thomson-CSF. Short wavelength waveguides formed of metal oxides. 3,820,871, 6-28-74, Cl. 350-96.0wg.
Croset, Michel; and Velasco, Gonzalo, to Thomson-CSF. Waveguide coupler having transparent stratified structure with aparallel faces. 3,825,318, 7-23-74, Cl. 350-96.0wg.
Croset, Michel, to Sescosem-Societe Europeenne de Semiconducteurs et de Microelectronique. Interconnection for integrated UHF arrangements. 3,826,956, 7-30-74, Cl. 317-234.00r.
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Crosley, Thomas Whitley, to GTE Automatic Electric Laboratories, Incorporated. Sequential control circuit having improved fault detection and diagnostic capabilities. 3,812,337, 5-21-74, Cl. 235-153.0ac.
Croslin, Michael E. Dispensing pipette. 3,805,998, 4-23-74, Cl. 222-32.000.
Croslin, Michael E., to Grumman Data Systems Corporation. Dispensing apparatus. 3,809,296, 5-7-74, Cl. 222-309.000.
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Cross, Barrington, to American Cyanamid Company. Substituted phenylurea herbicides. 3,819,697, 6-25-74, Cl. 260-553.00a.
Cross, Barrington; and Gastrock, William Henry, to American Cyanamid Company. Phenylnitramine herbicides. 3,844,762, 10-29-74, Cl. 71-121.000.
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Cross, Charles, to Robertshaw Controls Company. Analog to digital converter. 3,836,905, 9-17-74, Cl. 340-347.0ad.
Cross, Charles, to Robertshaw Controls Company. Method and apparatus for decoding biphase signals. 3,836,956, 9-17-74, Cl. 340-146.1ab.
Cross, Charles, to Robertshaw Controls Company. Remote station addressing system. 3,854,122, 12-10-74, Cl. 340-151.000.
Cross, Christopher G., to PPG Industries, Inc. Strand clamping apparatus for automatic knock off system. 3,852,141, 12-3-74, Cl. 156-351.000.
Cross, Christopher R.; and Kapoor, Subodh, to Imperial Smelting Corporation (Alloys) Limited. Superplastic zinc/aluminum alloys. 3,843,416, 10-22-74, Cl. 148-11.50r.
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Cross, David F. W.: *See—*
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Cross, Norton M., Jr., to Guyer, Reynolds W., Jr.; d/b/a Winsor Concepts. Board game apparatus. 3,784,205, 1-8-74, Cl. 273-131.0ac.
Cross, Norton M., Jr.; and Sward, Melvin L., said Sward assor. to said Cross, Norton M., Jr.; d/b/a Source Properties. Sectional game device. 3,792,858, 2-19-74, Cl. 273-1.00r.
Cross, Norton M., Jr.; d/b/a Source Properties: *See—*
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Cross, Peter Edward; and Dickinson, Roger Peter, to Pfizer Inc. Basic ethers of l-phenyl-2-(2-thienyl)ethanols. 3,814,750, 6-4-74, Cl. 260-239.00b.
Cross, Raymond E. Die casting method. 3,791,440, 2-12-74, Cl. 164-113.000.
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Crossland, Edward J.; Blossom, James H.; and Krasin, Lester Q., to Seismograph Service Corporation. Remote monitoring and remote control systems. 3,812,462, 5-21-74, Cl. 340-163.000.
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Crosslen, Louis John, to Mayer, Frank, & Associates, Inc. Theft proof display device. 3,820,862, 6-28-74, Cl. 312-123.000.
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Crossley, Ian Alexander; Kirk, Geoffrey Eric; Anthony, Norman Howell; and Bamber, Derek Robert, to Rolls-Royce (1971) Limited and University of Technology, The. Stator assembly for gas turbine engines which accommodates circumferential and axial expansion f engine components. 3,843,279, 10-22-74, Cl. 415-191.000.
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Crotty, James M.; Geary, Daniel C.; Levy, Edward F.; Lopiekes, Dolores V.; Raymond, Robert L.; and Siegal, Bernard, to Gillete Company, The. Astringent compositions. 3,833,720, 9-3-74, Cl. 424-47.000.
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Crouch, William B., to Texaco Inc. Partial oxidation of hydrocarbons to synthesis gas. 3,840,355, 10-8-74, Cl. 48-212.000.
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Crovetti, Aldo Joseph, to Abbott Laboratories. 4'-[(Diiodomethyl) sulfonyl] acetanilide. 3,855,253, 12-17-74, Cl. 260-397.600.
Crow, George E. Afterburner for internal combustion engine. 3,817,032, 6-18-74, Cl. 60-294.000.
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Crow, Morgan Levon, to Dresser Industries, Inc. Hydrostatic rock bit lubrication system. 3,844,364, 10-29-74, Cl. 175-228.000.
Crow, William T.; Sands, Arthur E.; and Scrivner, Michael E., to United States of America, Atomic Energy Commission. Method for the manufacture of carbon foam. 3,857,913, 12-31-74, Cl. 264-29.000.
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Crowe, Talmadge L., to Baker Oil Tools, Inc. Anti-friction ball valve operating means. 3,827,494, 8-6-74, Cl. 166-224.000.
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Crowell, John A.; and Bull, Alan D., to Du Pont de Nemours, E. I., and Company. Apparatus for controlling addition of replenishment solution to a photographic processor. 3,822,723, 7-9-74, Cl. 137-624.150.
Crowell, Merton H., to North American Philips Corporation. Circuit arrangement for producing pedestal current in a pyroelectric thermo imaging tube. 3,812,396, 5-21-74, Cl. 315-10.000.
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Crowley, Richard P. Oxybis (benzenesulfonylpolyalkoxyalkanols) and their use as surfactants. 3,829,500, 8-13-74, Cl. 260-607.00a.
Crowley, Richard P. Tufted carpet with gas-expandable pile and method. 3,847,719, 11-12-74, Cl. 161-65.000.
Crowley, Richard P., to Abcor, Inc. Semipermeable membrane process and device employing an aminoethylated polymeric material as the semipermeable membrane. 3,857,782, 12-31-74, Cl. 210-22.000.
Crowley, Richard P. Embossed plastic surface covering and method of preparing same. 3,857,915, 12-31-74, Cl. 264-52.000.
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Crowther, John Cooper; and Ashpole, Roger Frederick. Electroplating chromium and chromium alloys. 3,833,485, 9-3-74, Cl. 204-43.00r.
Crowther, Milton, to Proctor Chemical Company, Inc. Process for the manufacture of penthaerythritol tetracarbamate. 3,853,960, 12-10-74, Cl. 260-482.00b.
Crowther, Russell L., to General Electric Company. Nuclear reactor utilizing plutonium in peripheral fuel assemblies. 3,844,886, 10-29-74, Cl. 176-44.000.
Crowther, Ted J.; Jacobson, Charles F.; and Sutherlin, Kent K., to Optical Data Systems, Inc. Data storage and retrieval system. 3,849,766, 11-19-74, Cl. 340-173.01m.
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Crutsch, Louis; and Ducassou, Bernard. Mechanism for the operation of railroad track switches. 3,842,256, 10-15-74, Cl. 246-258.000.
Cruz, Luxmi S. Body shirt for men. 3,840,900, 10-15-74, Cl. 2-77.000.
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Csanady, Michael, Jr.: *See—*
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Csatlos, Geza M., to Akron Standard, division of Eagle-Picher Industries, Inc. Telescoping tube assembly. 3,837,689, 9-24-74, Cl. 285-302.000.
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Csicsery, Sigmund M., to Chevron Research Company. Single-stage cold start and evaporative control method and apparatus for carrying out same. 3,831,572, 8-27-74, Cl. 123-179.00g.
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Csurgay, Gregory N. Magnetic combination door lock. 3,837,193, 9-24-74, Cl. 70-276.000.
Csuros, Zoltan; and Petro, Jozsef, to Magyor Tudomanyos Akademia. Process for the preparation of Raney-metal catalysts having high activity. 3,809,658, 5-7-74, Cl. 252-472.000.
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Cubalchini, Ronald, to Hughes Aircraft Company. Catadioptric beamsplitter system. 3,858,046, 12-31-74, Cl. 250-353.000.
Cubbon, Robert C. P.; Braid, John E.; Oates, Alfred E.; and Preston, Ronald, to Laporte Chemicals Limited. Peroxygen compounds. 3,787,503, 1-22-74, Cl. 260-610.00r.
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Cucinella, Salvatore; and Mazzei, Alessandro, to Snam Progetti S.p.A. Process for producing ethylene-butadiene copolymers. 3,845,027, 10-29-74, Cl. 260-85.30r.
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Cudmore, Patrick. Wheeled coasting device. 3,795,409, 3-5-74, Cl. 280-87.040.
Cudnohufsky, Sylvester. Tracer control circuit for machine tools. 3,820,439, 6-28-74, Cl. 91-37.000.
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Cudzik, Daniel F., to Reynolds Metals Company. Easy-open container and method of making same. 3,844,443, 10-29-74, Cl. 220-40.00r.
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Cuevas, John W.; and Jones, Harley W. Binary clock. 3,841,082, 10-15-74, Cl. 58-50.00r.
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Cugini, John C. Hydrocarbon cracking system. 3,824,388, 7-16-74, Cl. 235-151.120.
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Culbertson, George W., to FMC Corporation. Cam operated clutch. 3,791,501, 2-12-74, Cl. 192-93.00a.
Culbertson, George W., to FMC Corporation. Friction couplings with spring cushioned operators. 3,841,453, 10-15-74, Cl. 192-109.00a.
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Culbertson, Samuel W.: *See—*
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Culhane, Gerald John; Layton, Gary Richard; and Pittman, Walter Elwood, to Eastman Kodak Company. Process control apparatus and method for silver halide emulsion making. 3,821,002, 6-28-74, Cl. 96-94.00r.
Cull, Alan Sidney. Concrete shaft forming unit. 3,841,596, 10-15-74, Cl. 249-20.000.
Cull, Alan Sidney; and Abdallah, Nessib, to International Property Investments Limited, mesne. Reinforced concrete construction method. 3,851,024, 11-26-74, Cl. 264-34.000.
Cull, Duncan E.; and Culbertson, Alvin E., to National Cash Register Company, The. Character display system. 3,792,461, 2-12-74, Cl. 340-324.0ad.
Cull, Neville L.; and Vohsberg, Darius B., to Esso Research and Engineering Company. Regeneration process for flue gas sorbent. 3,846,536, 11-5-74, Cl. 423-244.000.
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Cullen, William P.; Chafetz, Harry; and Hellmut, Walter W., to Texaco Inc. Lubricant composition containing sulfurized and chlorinated alkylene polyamine reaction product. 3,843,533, 10-22-74, Cl. 252-47.500.
Culley, Donnell H., Jr. Mandrel for sanding drums. 3,828,489, 8-13-74, Cl. 51-378.000.
Culley, Donnell H., Jr. Sander with improved feed mechanism. 3,847,271, 11-12-74, Cl. 198-168.000.
Culley, John Edward, to Imperial Metal Industries (Kynoch), Limited. Voltage follower with matched field effect transistors and matched current amplifying transistors for capacitor charging. 3,805,146, 4-16-74, Cl. 323-16.000.
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Cullis, John Crawford, to Engineering Components Limited. Automatic valves, particularly for use with filters. 3,807,561, 4-30-74, Cl. 210-130.000.
Cullom, John T. Repair facility for overhead crane. 3,783,792, 1-8-74, Cl. 104-128.000.
Culp, Charles R.; and Otthofer, Jacob A., Jr., to Armstrong Cork Company. Carpet tile cutter. 3,818,790, 6-25-74, Cl. 83-408.000.
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Culpepper, Bertram C., Jr. Building insulation and sheathing. 3,826,054, 7-30-74, Cl. 52-309.000.
Culpepper, Clifford, Jr., to Aero-Dyne. Noise attenuator. 3,841,434, 10-15-74, Cl. 181-36.00r.
Culpepper, George O., Jr., 1/3 to Kendall, Jim W. and Pitts, James W. Method and apparatus for cleaning solids for pollution free disposal. 3,807,942, 4-30-74, Cl. 432-72.000.
Cultrera, Salvatore J. Emergency V-belt for vehicles. 3,834,245, 9-10-74, Cl. 74-231.00j.
Culver, David Wayne: *See—*
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Culver, Irven H., to Primus Mfg. Inc. Mounting for precision friction wheel measuring devices. 3,844,044, 10-29-74, Cl. 33-125.00m.
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Culver, Richard B., to Dresser Industries, Inc. Method and apparatus for logging well boreholes with gamma rays from the inelastic scattering of fast neutrons. 3,787,686, 1-22-74, Cl. 250-83.30r.
Culver, Robert M., to Bernardin, Inc. Linerless container closure. 3,802,590, 4-9-74, Cl. 215-344.000.
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Cummin, Alfred S.; Daun, Henryk; Gilbert, Seymour G.; and Henig, Yair, to Borden, Inc. Packaging lettuce in carbon dioxide permeable film. 3,795,749, 3-5-74, Cl. 426-316.000.
Cummin, Alfred Samuel; Daun, Henryk; Gilbert, Seymour George; and Henig, Yair, to Borden, Inc. Packaging bananas in carbon dioxide permeable film. 3,798,333, 3-19-74, Cl. 426-106.000.
Cummingham, Douglas James, to Wingard Limited. Slats for motor vehicles. 3,799,609, 3-26-74, Cl. 297-340.000.
Cummings, Aaron E. One-hand operated ice cube tray. 3,825,219, 7-23-74, Cl. 249-71.000.
Cummings, Alan F.; and Freeman, Gene G., to Rockwell International Corporation, mesne. Tubular extendable structure. 3,811,633, 5-21-74, Cl. 242-54.00a.
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Cummings, Clinton M., to Acme United Corporation. Disposable scalpel handle and method of manufacture thereof. 3,817,077, 6-18-74, Cl. 72-376.000.
Cummings, Clinton M., to Acme United Corporation. Finger operated forcep type surgical instruments. 3,823,719, 7-16-74, Cl. 128-322.000.
Cummings, Gilbert A., to Peters & Company, Inc. Stack storage and lifter device. 3,806,218, 4-23-74, Cl. 312-71.000.
Cummings, Gordon F., III, to Borg-Warner Corporation. Temperature modulated variable speed drive and control therefor. 3,804,219, 4-16-74, Cl. 192-82.00t.

Cummings, Gordon F., III, to Borg-Warner Corporation. Temperature modulated pressure regulating valve. 3,848,622, 11-19-74, Cl. 137-468.000.

Cummings, Jeffrey, to Imperial Chemical Industries Limited. Probe holder. 3,817,707, 6-18-74, Cl. 23-253.00c.

Cummings, Jerry W., to Rockwell International Corporation. Fuze. 3,805,703, 4-23-74, Cl. 102-70.20r.

Cummings, John P., to Honeywell Inc. Exhaustive electrolysis method for determination of oxygen demand. 3,857,761, 12-31-74, Cl. 204-1.00t.

Cummings, Roy W. Cutting means employing eccentric rotational cutting action. 3,849,975, 11-26-74, Cl. 56-295.000.

Cummings, William M., to Texaco Inc. Substituted nitroalkyl nitrate and peroxynitrate. 3,853,944, 12-10-74, Cl. 260-465.100.

Cummins, Alfred B. Exercise complex including bump ring and platform-type exerciser therein. 3,819,176, 6-25-74, Cl. 272-63.000.

Cummins, Alonzo E., to Halliburton Company. Wellhead isolation tool and method of use thereof. 3,830,304, 8-20-74, Cl. 166-305.00r.

Cummins, Billy H.: *See*—
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Cummins, Donald; and Jung, Wilhelm H., to AMF Incorporated. Sewing machine with automatic positioning of sewing head with respect to material edge. 3,839,973, 10-8-74, Cl. 112-121.140.

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Cummins, Millard M.; Keates, Richard H.; Best, Robert G.; and Barr, Donald L., to Thurman Manufacturing Company, The. String tension measuring device. 3,831,442, 8-27-74, Cl. 73-144.000.

Cummins, Millard M.; Best, Robert G.; and Hankins, Thomas, to Thurman Manufacturing Company, The. Ultrasonic cleaning device with temperature responsive cut-off. 3,851,861, 12-3-74, Cl. 259-72.000.

Cummins, Richard Williamson, to FMC Corporation. Oxidation of olefinic compounds to glycols. 3,846,478, 11-5-74, Cl. 260-484.00r.

Cummins, Stewart E.: *See*—
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Cumpston, Edward H., Jr. Mixer-refiner. 3,806,050, 4-23-74, Cl. 241-260.000.

Cunha, Joseph J., to Cunha Products, Inc. Lightweight converter dolly. 3,797,863, 3-19-74, Cl. 280-476.00r.

Cunha, Joseph J., to Cunha Products, Inc. Lubricant drip preventer for a fifth wheel. 3,801,136, 4-2-74, Cl. 280-433.000.

Cunha, Joseph J., to Cunha Products, Inc. Leaf spring trailing arm suspension. 3,844,579, 10-29-74, Cl. 280-124.00r.

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Cuniberti, Mario, to Owens-Illinois, Inc. Motion translating apparatus and controls therefor. 3,841,497, 10-15-74, Cl. 214-1.0bt.

Cunlifee, Malcolm: *See*—
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Cunningham, Andrew L., Sr., to Lockheed Aircraft Corporation. Process for surface treatment of graphite fibers. 3,816,598, 6-11-74, Cl. 423-447.000.

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Cunningham, Arthur L.; Damon, John E.; Bonatiuk, Zenon P.; Mathai, John; and Holton, Howard D., to Sherwin-Williams Company, The. Resin compositions. 3,804,920, 4-16-74, Cl. 260-850.000.

Cunningham, Arthur L.; Poovathunkal, Cyriac C.; and Yapp, William J., to Sherwin-Williams Company, The. Liquid polyol compositions. 3,827,993, 8-6-74, Cl. 260-22.0ep.

Cunningham, Donald F., to Cleveland Partition Corporation. Roll of separable partition strips. 3,819,041, 6-25-74, Cl. 206-390.000.

Cunningham, Dortha. Medication server and guard. 3,854,478, 12-17-74, Cl. 128-222.000.

Cunningham, Ernest R., to Grip-Pak, Inc., mesne. Container package. 3,785,484, 1-15-74, Cl. 206-65.00c.

Cunningham, Ernest R., to Grip-Pak, Inc., mesne. Method of assembling multi-packaging devices to articles. 3,811,243, 5-21-74, Cl. 53-30.000.

Cunningham, Ernest R., to Grip-Pak, Inc. Container package. 3,812,962, 5-28-74, Cl. 206-427.000.

Cunningham, Ernest R., to Grip-Pak, Inc. Apparatus and method of producing scrapless carrier devices from a siamese tube. 3,820,425, 6-28-74, Cl. 83-7.000.

Cunningham, Ernest R., to Grip-Pak, Inc., mesne. Stretchable packaging device for containers. 3,837,478, 9-24-74, Cl. 206-427.000.

Cunningham, Ernest R., to Barr-Stalfort Company; Division Pittway Corporation. Aerosol container filling apparatus and method. 3,857,422, 12-31-74, Cl. 141-3.000.

Cunningham, Francis V., to Joslyn Mfg. and Supply Co. Apparatus for assembling a cable coupling. 3,781,964, 1-1-74, Cl. 29-203.0hm.

Cunningham, Gail M.: *See*—
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Cunningham, George R.: *See*—
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Cunningham, Hugh M. Pig growth feed composition containing methyl xanthines and salts of methyl xanthines and method of use. 3,852,451, 12-3-74, Cl. 424-253.000.

Cunningham, James A.: *See*—
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Cunningham, James A. Electrical isolation of circuit components of integrated circuits. 3,786,560, 1-22-74, Cl. 29-577.000.

Cunningham, James A. Integrated circuit structure having electrically isolated circuit components. 3,787,710, 1-22-74, Cl. 317-101.00a.

Cunningham, James A.; and Fuller, Clyde R., to Texas Instruments, Incorporated. Modified tungsten metallization for semiconductor devices. 3,833,842, 9-3-74, Cl. 317-234.00r.

Cunningham, James A.; and Orr, Coy D., to Texas Instruments, Incorporated. Sputtering apparatus for forming ohmic contacts for semiconductor devices. 3,844,924, 10-29-74, Cl. 204-298.000.

Cunningham, James W.: *See*—
Pavlik, Norman M.; and Cunningham, James W., 3,848,331.

Cunningham, M. E., Company: *See*—
Noble, Arthur J.; Speicher, Edwin W.; and Speicher, Walter J., 3,783,776.
Speicher, Edwin W., 3,802,516.

Cunningham, Raymond C.; and Cunningham, Regis A. Pouch for cleaning a golf ball or the like. 3,806,983, 4-30-74, Cl. 15-160.000.

Cunningham, Regis A.: *See*—
Cunningham, Raymond C.; and Cunningham, Regis A., 3,806,983.

Cunningham, Ronald J. Load controlled induction heating. 3,823,297, 7-9-74, Cl. 219-10.770.

Cunningham, Ronald J. Induction heating system primarily intended for cooking use. 3,843,857, 10-22-74, Cl. 219-10.490.

Cunningham, Russell E.; and Light, Gordon S., to Sigma Systems, Inc. Optical reader. 3,812,347, 5-21-74, Cl. 250-568.000.

Cunningham, Sinclair Upton, to National Research Development Corporation. Cam follower piston. 3,783,748, 1-8-74, Cl. 92-249.000.

Cunningham, Sinclair Upton; and Wells, James Rutherford, to National Research Development Corporation. Cam follower piston. 3,783,749, 1-8-74, Cl. 92-249.000.

Cunningham, Stanley H.: *See*—
Binding, Kenneth W.; and Cunningham, Stanley H., 3,792,805.

Cunningham, Thomas A., to Lipton, Thomas J., Inc. Quick-cooking macaroni products and process. 3,846,563, 11-5-74, Cl. 426-158.000.

Cunningham, Victor Ralph: *See*—
Hathorn, George Stuart; and Cunningham, Victor Ralph, 3,791,997.

Cunningham, Walter F. Index tab position layout. 3,795,982, 3-12-74, Cl. 33-111.000.

Cunningham, Walter F., to Superior Tabbies, Incorporated. Index tabs. 3,805,426, 4-23-74, Cl. 40-2.00r.

Cunningham-Smith, David: *See*—
Fahey, Dennis; and Cunningham-Smith, David, 3,814,335.

Cunninghame, Andrew L.: *See*—
Grossel, Stanley S.; Cunninghame, Andrew L.; and Cooke, H. Sherwood, 3,835,314.

Cuntze, Ulrich: *See*—
Diery, Helmut; Cuntze, Ulrich; May, Adolf; and Milewski, Eckhard, 3,849,435.
Diery, Helmut; and Cuntze, Ulrich, 3,856,893.

Cuomo, Frank W., to United States of America, Navy. Acousto-optic underwater detector. 3,831,137, 8-20-74, Cl. 340-8.00r.

Cuomo, Jerome J.: *See*—
Ahn, Kie Y.; and Cuomo, Jerome J., 3,816,223.
Cole, James N.; Cuomo, Jerome J.; Laibowitz, Robert B.; and Park, Kyu C., 3,796,926.

Cuomo, Jerome J.; Laibowitz, Robert B.; Mayadas, Ashok F.; and Rosenberg, Robert, to International Business Machines Corporation. Single crystal tunnel devices. 3,816,845, 6-11-74, Cl. 357-5.000.

Cuomo, Jerome J.; and Hovel, Harold J., to International Business Machines Corporation. GaN switching and memory devices and methods therefor. 3,852,796, 12-3-74, Cl. 357-16.000.

Cuomo, John J.: *See*—
Braslau, Norman; Cuomo, John J.; Harris, Erik P.; and Hovel, Harold J., 3,849,707.

Cuozzo, Albert R. Theft-resistant display case for tape cartridges or the like. 3,825,313, 7-23-74, Cl. 312-135.000.

Cupery, Martin E. N-imidazole compounds and their complex metal derivatives. 3,843,667, 10-22-74, Cl. 260-299.000.

Cupler, John A., II. Non-captive tool change mechanism. 3,816,890, 6-18-74, Cl. 29-26.00a.

Cupp, Frederick B.; and van Camp, Gary, to Edmac Associates, Inc. Event recording system. 3,838,445, 9-24-74, Cl. 360-18.000.

Cupper, Robert A.; and Somekh, George S., to Union Carbide Corporation. Thermally stable lubricants for external combustion engines. 3,834,166, 9-10-74, Cl. 60-651.000.

Cuprak, Thomas. Snap plate for football. 3,809,399, 5-7-74, Cl. 273-55.00r.

Cuprinol Limited: *See*—
Hilditch, Edward Austin; and Nightingale, Charles Arnold, 3,842,796.

Curators of the University of Missouri, The: *See*—
Hansen, David A., 3,841,467.

Curban, John H.: *See*—
Benoit, Roland A.; Curban, John H.; and Bennice, Richard L., 3,798,684.

Curbmaster of America, Inc.: *See*—
Miller, Harold E.; and Miller, Robert E., 3,820,913.

Curby, William A. Dynamic method of identifying microbes and evaluating anti-microbial processes. 3,804,720, 4-16-74, Cl. 195-103.50r.

Curby, William A.; and Lionetti, Fabian J., to United States of America, Navy. Method of predicting the post transfusion viability of preserved erythrocytes and other similar cells. 3,851,246, 11-26-74, Cl. 324-71.0cp.

Curchod, Donald Butler. Tyre changers. 3,826,299, 7-30-74, Cl. 157-1.240.

Curcio, Joseph; Hufstetler, Perry P.; and Johnson, Roger W., to General Motors Corporation. In-ding repair tool. 3,801,772, 4-2-74, Cl. 219-98.000.

Curcio, Michael P. Miter box. 3,782,235, 1-1-74, Cl. 83-762.000.

Curelop, Edward J. Method for preparing texturized cathodes. 3,816,180, 6-11-74, Cl. 136-120.00r.

Curington, Alfred R., to Baker Oil Tools Inc. Percussion bits. 3,788,409, 1-29-74, Cl. 175-410.000.

Curington, Alfred R.; and Kammerer, Archer W., Jr. Percussion anvil bits. 3,791,462, 2-12-74, Cl. 173-104.000.

Curington, Alfred R.; and Kammerer, Archer W., Jr., to Baker Oil Tools, Inc. Bore hole air hammer drive mechanism. 3,804,181, 4-16-74, Cl. 173-128.000.

Curl, Gerald Ardin, to Bell Industries, Inc. Panel lamp assembly. 3,793,514, 2-19-74, Cl. 240-8.160.

Curley, John L.: *See*—
Nibby, Chester M.; Manton, John C.; and Curley, John L., 3,809,884.
Nibby, Chester M.; Manton, John C.; Franklin, Benjamin S.; and Curley, John L., 3,814,922.

Curley, John L.; Franklin, Benjamin S.; Martland, Wallace A.; Donahue, Thomas; and Cornaro, Louis V., to Honeywell Information Systems Inc. Main memory reconfiguration. 3,796,996, 3-12-74, Cl. 340-172.500.

Curley, John L.; and Martland, Wallace A., to Honeywell Information Systems, Inc. Variable masking for segmented memory. 3,800,292, 3-26-74, Cl. 340-172.500.

Curley, John L.; Donahue, Thomas J.; Martland, Wallace A.; and Franklin, Benjamin S., to Honeywell Information Systems, Inc. Multi-level storage system having a buffer store with variable mapping modes. 3,820,078, 6-25-74, Cl. 340-172.500.

Curley, John L.; Donahue, Thomas J.; Franklin, Benjamin S.; Martland, Wallace A.; and Cornaro, Louis V., to Honeywell Information Systems, Inc. Memory storage sequencer. 3,821,709, 6-28-74, Cl. 340-172.500.

Curley, William J., to Packaging Corporation of America. Shipping container and blank therefor. 3,841,548, 10-15-74, Cl. 229-40.000.

Curlook, Walter: *See*—
Kelly, Daniel; Curlook, Walter; and Bell, Malcolm Charles Evert, 3,793,005.

Curn, Frantisek: *See*—
Sejbal, Josef; and Curn, Frantisek, 3,820,966.

Curnow, John W.; and Nowicki, Harry J., to Sperry Rand Corporation. Power transmission. 3,787,027, 1-22-74, Cl. 251-63.000.

Curran, Adrian Charles Ward: *See*—
Wood, Hamish Christopher Swan; Stuart, Alexander; Curran, Adrian Charles Ward; and Al-Hassan, Saieba, 3,810,893.

Curran, Adrian Charles Ward, to Wyeth, John, & Brother Limited. 8-Aryl-3-azabicyclo-[3,3,1]-nonanes. 3,829,427, 8-13-74, Cl. 260-293.540.

Curran, Adrian Charles Ward, to Wyeth, John & Brother Limited. Piperidinethioamides. 3,845,064, 10-29-74, Cl. 260-293.850.

Curran, Bernard E.: *See*—
Albrecht, Raymond E.; Curran, Bernard E.; and Lindner, Robert G., 3,812,636.

Curran, David, to Imperial Chemical Industries Limited. Preparation of solid fire-fighting compositions. 3,822,206, 7-2-74, Cl. 252-2.000.

Curran, Donald R.: *See*—
Shockey, Donald A.; and Curran, Donald R., 3,793,874.

Curran, Edward T., to United States of America, Air Force. Integral rocket-ramjet with combustor plenum chamber. 3,802,192, 4-9-74, Cl. 60-245.000.

Curran, Edward T., to United States of America, Air Force. Integral rocket-ramjet with deployable flameholder. 3,803,837, 4-16-74, Cl. 60-245.000.

Curran, Frank J., to Curran, Frank J., Co. Perfumed package for a solid diffusing material. 3,837,574, 9-24-74, Cl. 239-57.000.

Curran, Frank J., Co.: *See*—
Curran, Frank J., 3,837,574.

Curran, James J.: *See*—
Spencer-Foote, Ronald, 3,806,950.

Curran, John: *See*—
Benoit, Roland A.; and Curran, John, 3,835,486.

Curran, Patrick M.; Brazer, Geoffrey R.; and Erickson, John S., to United Aircraft Corporation. Process for reducing oxide defects in investment castings. 3,815,661, 6-11-74, Cl. 164-134.000.

Curran, Roger J.; and Misevich, Kenneth W., to Remington Arms Company, Inc. Shot propelling arrow. 3,822,884, 7-9-74, Cl. 273-106.50r.

Curran, Roger J., to Remington Arms Company Inc. Water-soluble shotshell wad and method of manufacturing same. 3,827,363, 8-6-74, Cl. 102-95.000.

Curran, Roger J., to Remington Arms Company, Inc. Shot container wad for hard shot. 3,835,783, 9-17-74, Cl. 102-42.00c.

Curran, Samuel Crowe. Pendulum switch assembly for clocks or the like with electromagnetic impulse means. 3,783,601, 1-8-74, Cl. 58-30.000.

Curran, Thomas W. Cart. 3,820,807, 6-28-74, Cl. 280-47.300.

Curran, William Vincent, to American Cyanamid Company. Novel method for lowering blood pressure in mammals. 3,812,256, 5-21-74, Cl. 424-250.000.

Curran, William Vincent; and Ross, Adma Schneller, to American Cyanamid Company. 6(Cyanophenyl)-4,5-dihydro-3(2H)-pyridozinones. 3,822,260, 7-2-74, Cl. 260-250.00a.

Currat, Emile, to Etampes et Mecanique L. Serafini. Wristlet at least partially made of elements articulated to each other. 3,846,977, 11-12-74, Cl. 59-80.000.

Currell, Herbert Henry, to Bond North Limited. Pile fabrics and methods and apparatus for the production. 3,847,691, 11-12-74, Cl. 156-72.000.

Curren, Richard, to Consolidated Business Products. Apparatus for manufacturing pre-linked stamps. 3,850,565, 11-26-74, Cl. 425-385.000.

Currency Systems, Inc.: *See*—
Price, Robert K., 3,842,573.

Current, John Marvin: *See*—
Helmick, James William; Goebel, Brownell Wesley; and Current, John Marvin, 3,817,804.

Current, John Marvin; and Smalley, Rodney Roger, to Johns-Manville Corporation. Apparatus for feeding and wrapping sheet material. 3,839,122, 10-1-74, Cl. 156-351.000.

Current, Wayne A., to Singer Company, The. Sewing machine cabinet. 3,806,217, 4-23-74, Cl. 312-23.000.

Currer, John T.: *See*—
Kielman, Ervin J.; and Currer, John T., 3,840,981.

Currey, Jack L. Boat construction and method. 3,785,317, 1-15-74, Cl. 114-61.000.

Currey, John B.: *See*—
Cahoon, John B., Jr.; Currey, John B.; and Emig, Donald L., 3,847,535.

Currey, Norman S., to Lockheed Aircraft Corporation. Actuation system for angularly positioning aircraft landing gear wheels. 3,823,899, 7-16-74, Cl. 244-103.00w.

Currey, Norman S.; and Renshaw, John H., to Lockheed Aircraft Corporation. Landing gear for stol airplanes. 3,826,450, 7-30-74, Cl. 244-103.00r.

Currie, Adam, to Baltimore Paint & Chemical Corporation. Apparatus for vapor phase heating of traffic line paints. 3,802,396, 4-9-74, Cl. 122-33.000.
Currie, Grover C.: *See—*
Miller, Alan H.; and Currie, Grover C., 3,799,167.
Currie, Grover C.; and Doll, Brendan L., to Cellu Products Company. Slitting roll and method of fabricating same. 3,823,623, 7-16-74, Cl. 76-101.00a.
Currie, Grover C.; and Doll, Brendan L., to Cellu Products Company. Apparatus for processing foam sheet material. 3,826,165, 7-30-74, Cl. 83-110.000.
Currie, Grover C., to Cellu Products Company. Tray and pad interleaving apparatus. 3,832,823, 9-3-74, Cl. 53-35.000.
Currie, Grover C., Jr.: *See—*
Doll, Gregory W.; and Currie, Grover C., Jr., 3,843,485.
Currie, James H.: *See—*
Paxton, Wayne E.; Rishavy, Edward A.; and Currie, James H., 3,831,562.
Currie, James H.; and Rishavy, Edward A., to General Motors Corporation. Rotary combustion engine spark plug arrangement. 3,844,257, 10-29-74, Cl. 123-8.450.
Currie Machinery Company: *See—*
Currie, Richard W., 3,856,158.
Currie, Richard W.; and Peacher, Teddy J., to United States of America, Army. Adaptive threshold unit. 3,787,668, 1-22-74, Cl. 235-152.000.
Currie, Richard W.; and Peacher, Teddy J., to United States of America, Army. Surveillance computer. 3,818,196, 6-18-74, Cl. 235-150.270.
Currie, Richard W., to Currie Machinery Company. Means for palletizing open flapped cartons and the like in a pallet loading machine. 3,856,158, 12-24-74, Cl. 214-6.0dk.
Currie, Robert B.: *See—*
Harris, Elbert E.; and Currie, Robert B., 3,822,274.
Curry, Byron V. Controlled moisture emitter. 3,804,334, 4-16-74, Cl. 239-276.000.
Curry, Jerome: *See—*
Terrell, James L.; and Curry, Jerome, 3,837,350.
Curry, John Downing, to Procter & Gamble Company, The. Method of controlling bacterial, yeast and fungal species with phenyllismerth bis (2-pyridinethiol 1-oxide). 3,824,307, 7-16-74, Cl. 424-245.000.
Curry, John Downing, to Procter & Gamble Company, The. Phenylantimony bis(2-pyridinethiol l-oxide). 3,833,565, 9-3-74, Cl. 260-270.000.
Curry, John L. Method for making curved tubes. 3,833,985, 9-10-74, Cl. 29-157.00a.
Curry, Paul F. Wheel chair. 3,827,718, 8-6-74, Cl. 280-242.0wc.
Curry, Renwick E., to Massachusetts Institute of Technology. Vehicle brake light control system. 3,846,749, 11-5-74, Cl. 340-72.000.
Curry, Robert G., Jr., to Westinghouse Electric Corporation. Protection circuit for cathode ray tubes. 3,811,068, 5-14-74, Cl. 315-20.000.
Curtillat, Pierre G.: *See—*
Barbe, Gerard M.; Curtillat, Pierre G.; and Lequay, Claude, 3,840,633.
Curtin, Christopher John, to Tektronix Inc. Non-storage electron multiplier operation of transmission storage tube. 3,798,494, 3-19-74, Cl. 315-11.000.
Curtin, Daniel J., to Atlantic Richfield Company. Method for centrifuging of tar sands froth. 3,811,614, 5-21-74, Cl. 233-18.000.
Curtin, Daniel J., to Atlantic Richfield Company. Method for tar sands bitumen froth treatment. 3,813,030, 5-28-74, Cl. 233-18.000.
Curtin, Hoyt S. Pipe coupling. 3,857,588, 12-31-74, Cl. 285-31.000.
Curtis & Marble Machine Co.: *See—*
Maass, Edward Ralph, 3,784,913.
Curtis & Marble Machine Company: *See—*
Davidson, Ralph L., 3,818,554.
Curtis, Anthony Thomas: *See—*
Skingley, Brian Stanley; and Curtis, Anthony Thomas, 3,794,926.
Curtis, Betty L.: *See—*
Curtis, George B.; and Curtis, Betty L., 3,837,701.
Curtis, Charles H.: *See—*
Atwood, George E.; and Curtis, Charles H., 3,785,944.
Curtis, Daniel L.: *See—*
LeVantine, Allan D.; and Curtis, Daniel L., 3,824,951.
Curtis, David M., to Xerox Corporation. Platen cover. 3,813,161, 5-28-74, Cl. 355-75.000.
Curtis, George B.; and Curtis, Betty L., 20% to Lee, Raymond, Organization, Inc., The. Camper mounting apparatus. 3,837,701, 9-24-74, Cl. 296-23.0mc.
Curtis, George C.; and Spight, James S. Pool water temperature control. 3,781,925, 1-1-74, Cl. 4-172.150.
Curtis, George F.; and Tatro, Henry J., Jr., to Colt Industries Operating Corporation, mesne. Machine gun. 3,791,256, 2-12-74, Cl. 89-185.000.
Curtis, Gerald J. Cleat cleaner. 3,789,453, 2-5-74, Cl. 15-237.000.
Curtis, Herbert E., to MB Associates. Gas weapon including cartridge case with plurality of gas containers therein. 3,830,214, 8-20-74, Cl. 124-11.00r.
Curtis, John T., to Magnum Automotive Equipment, Inc., mesne. Bead breaker mechanism. 3,807,477, 4-30-74, Cl. 157-1.280.
Curtis, Little P.; Ying, Sui C.; and Dailey, George F., to Westinghouse Electric Corporation. Sealing device for discharge chamber of liquid cooled rotors for dynamoelectric apparatus. 3,831,046, 8-20-74, Cl. 310-54.000.
Curtis, Lorin W., to Wagner Electric Corporation. Method for producing a multiple filamented cartridge lamp. 3,791,710, 2-12-74, Cl. 316-17.000.
Curtis, Omer E., Jr.; Tuller, Harold W.; and Nussbaum, Ralph W., to Allied Chemical Corporation. Production of low molecular weight polyanhydrides and epoxy compositions derived therefrom. 3,789,038, 1-29-74, Cl. 260-17.200.
Curtis, Omer Eugene, Jr.; and Mason, Charles Driscoll, to Allied Chemical Corporation. Polyester-1,2 polybutadiene high impact molding compound. 3,793,400, 2-19-74, Cl. 260-862.000.
Curtis, Orlie L., Jr.: *See—*
Crandall, Walter E.; and Curtis, Orlie L., Jr., 3,784,799.
Curtis, Ralston: *See—*
Lamont, John; and Curtis, Ralston, 3,796,562.
Curtis, Richard A.: *See—*
Padilla, Salvador A.; and Curtis, Richard A., 3,794,453.
Curtis, Robert W.: *See—*
Modrak, Thomas M.; and Curtis, Robert W., 3,788,282.
Curtis, Rolando T., to Integrated Ceilings, Inc. Grid support structure and clip means therefor. 3,798,865, 3-26-74, Cl. 52-665.000.
Curtis, Russell B. Tricycle horse. 3,811,695, 5-21-74, Cl. 280-1.192.
Curtis, Vernie. Anti-pollution device. 3,791,315, 2-12-74, Cl. 110-8.00r.
Curtis, William I., to Hill Acme Company, The. Bar sorter. 3,831,779, 8-27-74, Cl. 214-1.00p.
Curtis, William R.; and Trimble, David C., to Hercules Incorporated. Plastic spring. 3,815,887, 6-11-74, Cl. 267-91.000.
Curtiss, Alan C.: *See—*
Praglin, Julius; McKie, James E., Jr.; Curtiss, Alan C.; and Longhenry, David K., 3,832,532.
Curtiss, George R.: *See—*
Boyd, H. Edward; and Curtiss, George R., 3,830,089.
Curtiss, Lawrence F.; and Hall, Richard W., to American Cystoscope Makers, Inc. Surgical snare. 3,828,790, 8-13-74, Cl. 128-320.000.
Curtiss, Robert H.; Gardiner, Derek J.; and Lazarow, Seldan A., to Nortec Computer Devices, Inc. High speed printer. 3,795,186, 3-5-74, Cl. 101-93.00c.
Curtiss-Wright Corporation: *See—*
Berkowitz, Murray; and Davis, Robert C., 3,800,868.
Chen, Hsin S.; and Jones, Charles, 3,847,514.
De Feo, Angelo, 3,824,030.
Harrison, Emmett S., 3,844,112.
Hermes, Walter L.; Corwin, Howard R.; Berkowitz, Murray; and Lamping, Harold D., 3,847,517.
Jones, Charles, 3,795,227.
Jones, Charles; and Raye, Alexander H., 3,812,574.
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Sohn, Jesse S.; and Gunther, Louis A., 3,824,663.
Swirnow, Alan R., 3,795,551.
Watts, Hargus, 3,815,342.
Woodier, George H.; and Pratt, Winthrop B., 3,796,527.
Woodier, George T.; Jones, Charles; and Hermes, Walter L., 3,791,235.
Curto, Paul A.: *See—*
Campagnuolo, Carl J.; and Curto, Paul A., 3,856,432.
Curtz, William C.; and Matson, Merkham J. Rotational balancer. 3,812,724, 5-28-74, Cl. 73-458.000.
Curvale, Pierre Paul: *See—*
Bataille, Roger; Maison, Francois P.; and Curvale, Pierre Paul, 3,789,411.
Curwood, Inc.: *See—*
Lamborn, Homer C., 3,783,671.
Curzon, Joseph H. Rubber plumber. 3,787,905, 1-29-74, Cl. 4-256.000.
Cusack, Noel James: *See—*
Shaw, Gordon; and Cusack, Noel James, 3,816,399.
Cusano, Carmen M.: *See—*
Yamamoto, Roy I.; and Cusano, Carmen M., 3,821,327.
Cusano, Dominic A., to General Electric Company. X-ray image intensifier input. 3,838,273, 9-24-74, Cl. 250-213.0vt.
Cusato, Anthony J., to Mann, Henry, Inc. Light wire pliers for orthodontists. 3,781,993, 1-1-74, Cl. 32-66.000.
Cuscino, Richard T.: *See—*
August, John L., Jr.; and Cuscino, Richard T., 3,851,607.
Cuscurida, Michael: *See—*
Moss, Philip Hotchkiss; and Cuscurida, Michael, 3,838,076.
Cuscurida, Michael; and Rice, Doris Marvin, to Jefferson Chemical Company, Inc. Polyurethanes stabilized by incorporating the reaction product of acetone and diphenylamine. 3,798,184, 3-19-74, Cl. 260u2.5bb.
Cushing, Charles R.; Henderson, Stephen Phelps; and Wells, Paul Steven, to Inter-Hull. Barge carrying transport vessel. 3,823,681, 7-16-74, Cl. 114-43.500.
Cushing, Donald S.: *See—*
Jenkins, Thomas E.; and Cushing, Donald S., 3,837,917.
Cushing, Donald S.; and Jenkins, Thomas E., to General Electric Company. Dishwasher having means for collecting and removing food soil. 3,807,419, 4-30-74, Cl. 134-104.000.
Cushing, Donald S.; and Jenkins, Thomas E., to General Electric Company. Front loading dishwasher employing plastic tub construction. 3,826,553, 7-30-74, Cl. 312-253.000.
Cushing, Donald S.; and Jenkins, Thomas E., to General Electric Company. Dishwasher and spray system therefor. 3,841,342, 10-15-74, Cl. 134-144.000.
Cushing, Lloyd C. Apparatus for use in hauling traps and the like. 3,831,311, 8-27-74, Cl. 43-6.500.
Cushing, Vincent J. Self synchronous noise rejection circuit for fluid velocity meter. 3,855,858, 12-24-74, Cl. 73-194.0em.
Cushion Rail International, Inc.: *See—*
Applegate, Lindsay M., 3,791,307.
Cushioned Products Corporation: *See—*
King, Robert E., 3,821,135.
Cushman, Donald R.: *See—*
Schick, John W.; and Cushman, Donald R., 3,826,725.
Cushman, Donald R.; Oberright, Edward A.; and Edwards, Roy T.; deceased (by Edwards, Katherine S.; representative), said Cushman and said Oberright assors. to Mobil Oil Corporation. Wax emulsions for controlling transpiration in plants. 3,791,839, 2-12-74, Cl. 106-268.000.
Cushman, Donald R.; Oberright, Edward A.; and Edwards, Roy T.; deceased (by Edwards, Katherine S.; legal representative), to Mobil Oil Corporation. Wax emulsions for controlling transpiration in plants. 3,847,641, 11-12-74, Cl. 117-3.000.
Cushman Electronics, Inc.: *See—*
Bradley, Donald A., 3,783,380.
Cushman Industries, Incorporated: *See—*
Roddy, John J.; and Swanson, Linwood B., 3,797,837.
Cushman, Robert D.: *See—*
Schmit, Justin M.; and Cushman, Robert D., 3,799,914.
Cushman, Walton W. Therapeutic apparatus and method. 3,847,146, 11-12-74, Cl. 128-75.000.
Cushman, Walton W. Well and pipeline construction. 3,847,214, 11-12-74, Cl. 166-.500.
Cusi, Dante S. Process for preserving lignocellulosic material by controlling air flow through a pile of lignocellulosic material. 3,802,957, 4-9-74, Cl. 162-65.000.
Cusic, John W.; and Ellefson, Charles R., to Searle, G. D., & Co. 6-[Spiro-4'-(optionally substituted amino) cyclohexyl]-1,1a,6,10b-tetrahydrodibenzo[a,e] cyclopropa[c]cycloheptenes. 3,855,295, 12-17-74, Cl. 260-570.5ca.
Cusick, John H.; Brown, Alvin E.; Hamamoto, Al S.; and Bellin, Jack L. S., to United States of America, Navy, mesne. Ultrasonic bond monitor. 3,827,619, 8-6-74, Cl. 228-1.000.
Cusimano, Richard J.: *See—*
Moldovan, Michael T., Jr.; Lindros, Charles J.; Anderson, Lawrence L.; Wescott, Robert D.; and Cusimano, Richard J., 3,847,345.
Custer, Harry S.: *See—*
Oliver, Brian H.; and Custer, Harry S., 3,794,577.
Custer, Harry S.; and Oliver, Brian H., to Goodyear Tire & Rubber Company, The. Electrolytic cell including a flexible sheet covering the cell base. 3,857,775, 12-31-74, Cl. 204-252.000.
Custer, Robert Sloane: *See—*
Dychdala, George Roman; and Custer, Robert Sloane, 3,793,216.
Custer, Willard R. Adjustable geometry airfoil in channel winged aircraft. 3,806,065, 4-23-74, Cl. 244-12.0cw.
Custers, Joseph Lambert Maria; and Raal, Frederick Anton, to De Beers Industrial Diamond Division Limited. Novel diamond particle particularly for use in heat sinks. 3,828,848, 8-13-74, Cl. 165-80.000.
Custick, William L., to Mar-Wil Enterprises Ltd. Stretcher frame. 3,841,008, 10-15-74, Cl. 38-102.910.
Custis, Irving H.: *See—*
Carreras, Edmond J.; and Custis, Irving H., 3,816,230.
Custom Electronic Systems, Inc.: *See—*
Cook, William H., 3,844,321.
Custom Machines, Inc.: *See—*
Wloszek, Joseph T., 3,824,883.
Custom Materials, Inc.: *See—*
Brosseau, Alfred J., 3,857,397.
Custom Radius Corporation: *See—*
Norris, John F.; and Humphreys, Donald R., 3,789,551.
Custom Resins, Inc., mesne: *See—*
Anderson, Raymond P.; and Hill, Robert W., 3,794,625.
Anderson, Raymond Paul, 3,794,624.
Custom Tool & Machine Co., Inc.: *See—*
Nelson, Leonard, 3,788,635.
Customcraft Nails, Inc.: *See—*
Noskin, Harold P., 3,786,821.
Cusumano, James A., to Esso Research and Engineering Company. Method for preparation of olefin oxidation catalyst. 3,844,981, 10-29-74, Cl. 252-471.000.
Cutcher, Gerald V., DPM P. C.: *See—*
Hess, John J., 3,806,120.
Cutforth, Howard G.; LeFebvre, Clarence A.; and Steinle, Melvin E., to United Aircraft Corporation. Composite propellant containing molybdenum to reduce electromagnetic radiation interference in combustion products. 3,821,042, 6-28-74, Cl. 149-19.400.
Cuthbert, John; and Stow, James Albert, to Cambridge Scientific Instruments Limited. Microwave spectroscopy. 3,784,938, 1-8-74, Cl. 333-95.000.
Cuthbert, John David; McMahon, Richard George; and Munro, David Farnham, said McMahon assor. to Western Electric Company and said Cuthbert and said Munro assors. to Bell Telephone Laboratories, Incorporated. Surface inspection with scanned focused light bems. 3,790,287, 2-5-74, Cl. 356-120.000.
Cuthbert, Stanley G., to SCM Corporation. Brazing and solder compositions comprising a chelating agent. 3,832,242, 8-27-74, Cl. 148-24.000.
Cuthbert, William W., to United States of America, Navy. Counter measures system. 3,806,925, 4-23-74, Cl. 343-18.00e.
Cuthbertson, Kenneth J., to Honeywell Inc. Curie point ambient temperature sensor. 3,836,827, 9-17-74, Cl. 317-133.000.
Cuthbertson, William C. Tiltable tub assembly for bathing invalids. 3,827,087, 8-6-74, Cl. 4-178.000.
Cutlas Gear & Mfg, Inc.: *See—*
Prulter, Clarence M., 3,788,435.
Cutler, David: *See—*
Delagi, Bruce A.; Stone, David L.; Cutler, David; and Gray, Robert C., 3,858,182.
Cutler, Earl F., to Cutler Repaving Associates, Incorporated. Heater for asphalt concrete roadways and the like. 3,801,212, 4-2-74, Cl. 404-95.000.
Cutler, Earl F., to Cutler Repaving Associates, Incorporated. Method for heating asphalt concrete roadways and the like. 3,807,886, 4-30-74, Cl. 404-77.000.
Cutler, Gene C.: *See—*
Knox, George P.; and Cutler, Gene C., 3,801,663.
Cutler, Hymie. Feedrate control system for numerical control apparatus. 3,792,333, 2-12-74, Cl. 318-571.000.
Cutler, Hymie, to Bendix Corporation, The. Method and apparatus for performing a threading operation on a rotating workpiece. 3,854,353, 12-17-74, Cl. 82-1.00c.
Cutler, Ivan B., to Universtiy of Utah. Production of silicon nitride from rice hulls. 3,855,395, 12-17-74, Cl. 423-344.000.
Cutler, James F.; Maxted, Wesley R.; and Soderstrom, Edward C., to Rapistan, Incorporated. Article aligning apparatus. 3,799,319, 3-26-74, Cl. 198-29.000.
Cutler, John F., Jr.: *See—*
Crook, James E.; Cutler, John F., Jr.; and Khanna, Jai K., 3,796,047.
Cutler, John Frederick; Edwards, Robert Andrew; and Sarle, Charles Richard, to Wallace-Murray Corporation. Engine turbochargins system with vented compressor bearing. 3,834,156, 9-10-74, Cl. 60-59.00t.
Cutler, Milton: *See—*
Alper, Arthur Irving; Cutler, Milton; and Di Paolo, Vincent J., 3,807,306.
Cutler Repaving Associates, Incorporated: *See—*
Cutler, Earl F., 3,801,212.
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Cutler, Richard, to Gottfried Reuter GmbH. Ball joint. 3,787,127, 1-22-74, Cl. 403-133.000.
Cutler, Royal A.: *See—*
Diana, Guy D.; and Cutler, Royal A., 3,855,297.
Cutler, Royal A.; and Schalit, Samuel. Amidinoureas and amidinothioureas. 3,798,269, 3-19-74, Cl. 260-553.00r.
Cutler, Thomas P.; and Dollinger, Kenneth, to United States of America, Navy. Signal correlator. 3,829,860, 8-13-74, Cl. 343-9.000.
Cutler-Hammer, Inc.: *See—*
Bongard, James A., 3,845,431.
Brown, Harry W., 3,846,777.
Brown, Harry W., 3,852,557.
Duncan, Eugene F.; and Pearson, Robert, 3,793,492.
Duncan, Eugene F., 3,819,888.
Edden, Francis E.; and Engeman, Joseph P., 3,835,378.
Hansen, James E.; and La Pointe, Joel P., 3,822,560.
Hayward, William Herbert, 3,855,558.
Koenig, Martin F.; Dempsey, George A., Jr.; and Issa, Manuel, 3,786,394.
Koenig, Martin F.; and Issa, Manuel, deceased, 3,818,417.
Kolb, Arthur F.; and Gilmore, John J., 3,824,510.
Leavitt, Minard A., 3,850,635.
Link, Donald A.; and Williams, Fred H., 3,849,751.
Meier, Paul, 3,825,863.
Offutt, Warren B., 3,782,826.
Papaieck, Robert J., 3,838,355.

Piber, Earl T., 3,814,886.
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Risberg, Robert L., 3,824,407.
Ryczek, Lawrence J.; Rutchik, Walter L.; and Van Zeeland, Donald L., 3,846,676.
Schuchmann, Russell P.; Schutten, Herman P.; and Small, Isadore, III, 3,814,948.
Spink, Robert w., 3,824,444.
Van Horn, Lawrence E.; Elliot, William H.; and Schuchmann, Russell P., 3,784,881.
Weiss, Arnold S., 3,808,355.
Wentworth, Firzwilliam Allan, 3,816,724.
Whelehan, James J. Jr., 3,824,482.
Whelehan, James J., Jr.; and Kraemer, Erich Henry, 3,829,787.
White, Warren D., 3,836,929.
Woodger, Frederick Noel, 3,800,260.
Wright, James C.; and Reed, Reginald A., 3,815,723.
Zalar, David R., 3,800,205.

Cutri, Frank J; deceased (by Cutri, Louise; administrator). Pattern piece article and method of producing a printed pattern layout. 3,816,924, 6-18-74, Cl. 33-17.00r.

Cutri, Louise: *See—*
Cutri, Frank J, 3,816,924.

Cutshall, Charles E., to Elco Industries, Inc. Controlled-drive sealing fastener. 3,788,185, 1-29-74, Cl. 85-1.0jp.

Cuttell, Willis Robert; and Truman, Norman Nathan, to International Computers Limited. Process for forming a manganese bismuthide film. 3,856,557, 12-24-74, Cl. 117-71.00r.

Cutter, Delbert M., to General Motors Corporation. Sprocket assembly. 3,789,687, 2-5-74, Cl. 74-243.0dr.

Cutter Laboratories, Inc.: *See—*
Butler, William F., 3,831,814.
Cutter, Robert K.; and Saut, Roger A., 3,792,794.
Dabney, William C.; Goodenough, Samuel H.; and Queen, Harold B., 3,795,558.
Dabney, William C., 3,802,463.
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Davis, Loren Roger; and Kirkland, Walter Dean, 3,788,524.
Lewis, Dan, Jr.; and Von Alven, Raymond D., 3,810,503.
Tascon-Alonso, Manuel; Stubstad, James A.; and Doyle, James R., 3,805,300.
Thompson, Charles R.; and Hidalgo, John, 3,856,963.
Tyson, William H., Jr.; and Bramson, Mogens L., 3,834,544.

Cutter, Robert K.; and Saut, Roger A., to Cutter Laboratories, Inc. Closure for containers. 3,792,794, 2-19-74, Cl. 215-747.000.

Cutters Machine Company, Inc.: *See—*
Benson, Robert W.; Chapman, James Ronald; Reed, Robert G.; and Smith, Hoyt L., 3,791,641.
Benson, Robert W.; Pearsall, Samuel H.; and Reed, Robert G., 3,804,043.
Benson, Robert W.; Chapman, James Ronald; Reed, Robert G.; and Smith, Hoyt L., 3,811,669.
Frederick, Cecil S.; and Smith, Hoyt L., 3,782,649.
Frederick, Cecil S., 3,817,513.

Cuttica, Luigi. Interconnection of two craft. 3,842,782, 10-22-74, Cl. 114-235.00r.

Cutting, Arch Eborn: *See—*
Williamson, Bobby Joe; Cutting, Arch Eborn; and Crossland, Robert Kenneth, 3,803,824.

Cutting Equipment Leasing, Inc.: *See—*
Kuchuris, Louis G.; and Gembicki, Stanley, 3,837,560.

Cutton, John G., to United States Steel Corporation. Method of making flat steel files. 3,820,372, 6-28-74, Cl. 72-203.000.

Cutts, Ronald George: *See—*
Wilson, John Stuart; and Cutts, Ronald George, 3,856,169.

Cuvelier, Michel Charles, to Elphiac. Method and apparatus for heating and cooling moving tubes. 3,796,849, 3-12-74, Cl. 219-10.410.

Cuvelier, Michel Charles, to Elphiac. Installation of heating by induction. 3,805,010, 4-16-74, Cl. 219-10.770.

Cuzner, David E.; Dodman, Charles O. R.; Heath, John S.; and Rigbey, Leonard J., to International Business Machines Corporation. Magnetic disc apparatus. 3,849,800, 11-19-74, Cl. 360-97.000.

CV Industries, Inc.: *See—*
Horwinski, Elwood R., 3,847,392.

C.V. Precision Tools Limited: *See—*
Allix, Charles Vivian Marrett, 3,791,039.

Cvacho, Daniel S., to Reynolds Metals Company. Container construction. 3,838,789, 10-1-74, Cl. 220-69.000.

CVC Company: *See—*
Carsten, Paul W., 3,818,928.

Cvetler, Jiri: *See—*
Rosberg, Frantisek; Linda, Josef; Buzga, Ondrej; Dusek, Miloslav; and Cvetler, Jiri, 3,808,749.

Cvetnic, John. Electric vehicle control. 3,826,958, 7-30-74, Cl. 318-113.000.

CVS Chip Vending Services Limited: *See—*
Harris, Derek James; and Firth, Jack, 3,818,820.

Cwycyshyn, Walter: *See—*
Kitchen, Elwyn L., Jr.; and Cwycyshyn, Walter, 3,797,656.

Cwycyshyn, Walter; Buccellato, Anthony; and Hoffman, Henry C., to General Motors Corporation. Device for securing vehicle to transporter. 3,794,350, 2-26-74, Cl. 280-179.00r.

CX Corporation: *See—*
Carlstedt, Paul A., 3,857,312.

CX Processing Laboratories, Inc.: *See—*
Tall, Leonard H.; Carlstedt, Paul A.; and Erickson, Arlen J., 3,789,571.
Tall, Leonard H.; Carlstedt, Paul A.; and Erickson, Arlen J., 3,804,242.

Cyba, Henryk A., to Universal Oil Products Company. Stabilization of solid polymers with a bis-(N,N-dihydrocarbyl-aminoalkyl) ether. 3,787,354, 1-22-74, Cl. 260-45.90r.

Cyba, Henryk A., to Universal Oil Products Company. N-oxyalkyl-N'-hydrocarbyl-hexahydropyrimidines. 3,787,416, 1-22-74, Cl. 260-251.00r.

Cyba, Henryk A., to Universal Oil Products Company. N-Oxyalkyl-N'-hydrocarbyl-hexahydropyridazine. 3,839,334, 10-1-74, Cl. 260-250.00a.

Cybergenics Inc.: *See—*
Coffey, James M.; and Lang, Clifford H., 3,841,449.

Cybersol, Inc.: *See—*
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Cybrix Corporation: *See—*
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Cyclo Index Corporation: *See—*
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Cyclone Seeder Company, Inc., The: *See—*
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Cyclops Corporation: *See—*
Mueller, Charles P.; and Ecer, Gunes M., 3,787,202.
Shingler, Thomas M., 3,854,550.

Cyclops Corporation, mesne: *See—*
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Cyclops Corporation, Universal-Cyclops Specialty Steel Division: *See—*
Kaufman, Ralph O., Sr., 3,810,286.

Cyclops Industries, Inc.: *See—*
Shropshire, Lester F., 3,782,809.

Cyclotron Corporation, The, mesne: *See—*
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Cycowicz, Izchak: *See—*
Katz, Alex J.; Caldwell, Robert J.; and Cycowicz, Izchak, 3,850,475.

Cygned, Inc.: *See—*
Anderson, Richard W.; Weiss, Bernard J.; and Hulley, Hubert E., 3,790,938.

Cygnor, John E.: *See—*
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Cyklop Gesellschaft Emil Hoffmann: *See—*
Wehr, Hubert, 3,783,079.

Cylinder Forming Limited: *See—*
Campion, David John, 3,848,449.

Cylke, Edward J. Cassette carrier. 3,811,745, 5-21-74, Cl. 312-13.000.

Cyll, Michael P., 1/2 to Lakatos, George C. Waste disposal apparatus for hospital beds and the like. 3,849,811, 11-26-74, Cl. 5-91.000.

Cymbalisty, Lubomyr M. O., 30% to Canada-Cities Service Ltd., 30% to Atlantic Richfield Canada Ltd. and 10% to Gulf Oil Canada Limited. Two stage separation system. 3,847,789, 11-12-74, Cl. 208-11.000.

Cyphelly, Ivan Jaroslav. Electro-hydraulic transducer. 3,805,843, 4-23-74, Cl. 137-828.000.

Cyphelly, Ivan Jaroslav. Hydrostatic flow-amplifier. 3,842,855, 10-22-74, Cl. 137-85.000.

Cyprane Limited: *See—*
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Cyprus Mines Corporation: *See—*
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Baak, Tryggve; and Harris, Dwight L., 3,857,719.
Hadzeriga, Pablo, 3,853,981.
LaGase, Francis E.; and Jovanovitch, Stevan, 3,823,255.
Taxon, Fred Nystrom, 3,803,532.

Cyromagnetics Corporation: *See—*
Raymond, Jan Wayne; and Whetstone, Clay N., 3,818,578.

Cyrway, Edward N., Jr.; and Schmidt, Charles J., to Abar Corporation. Resistance heating element for vacuum furnaces. 3,812,276, 5-21-74, Cl. 13-25.000.

Cytec Development Inc.: *See—*
Reilly, Richard J.; and Merrill, Glen L., 3,842,956.

Cytryn, Ellis P. Cryogenic absorption cycles. 3,854,301, 12-17-74, Cl. 62-101.000.

Cywinski, Norbert F., to Phillips Petroleum Company. Vinylation of organic compounds. 3,821,298, 6-28-74, Cl. 260-561.00r.

Cywinski, Norbert Francis: *See—*

Lo, Ching-Tsan; Miller, Joe Jed; and Cywinski, Norbert Francis, 3,842,132.

Czapek, Andre Louis, to Societe d'Optique, Precision, Electronique et Mecanique-SOPELEM. Coarse and fine adjustment means. 3,785,218, 1-15-74, Cl. 74-479.000.

Czaplinski, Thomas V.: *See—*
Hulit, Harry J.; and Czaplinski, Thomas V., 3,801,818.

Czaplinski, Thomas V.; Bruno, Gerald A.; and Haney, Thomas A., to Squibb, E. R., & Sons, Inc. Sterile generator housing and support. 3,783,291, 1-1-74, Cl. 250-434.000.

Czaplinski, Thomas V., to Squibb, E. R., & Sons, Inc. Loading syringe for use with radioactive solutions and other non-sterile solutions. 3,814,941, 6-4-74, Cl. 250-430.000.

Czarnetzky, Edward J.: *See—*
Forest, Joseph G.; and Czarnetzky, Edward J., 3,826,827.

Czech, James I.; and Oakley, Roy C., Jr., to Whirlpool Corporation. Elevated support for cabinet for automatic washing machines for accessibility to and servicing of drive mechanism for machine. 3,798,931, 3-26-74, Cl. 68-3.00r.

Czech, James I.; and Oakley, Roy C., Jr., to Whirlpool Corporation. Suspension mounting assembly for automatic washer. 3,854,308, 12-17-74, Cl. 68-23.300.

Czeiszperger, George R. Skate shoe guard. 3,806,145, 4-23-74, Cl. 280-11.370.

Czelusniak, Paul Anthony, Jr., to Fieldcrest Mills, Inc. Selvage forming apparatus for looms. 3,794,083, 2-26-74, Cl. 139-54.000.

Czernik, Daniel E.; and McDowell, Donald J., to Felt Products Mfg., Co. Gasket. 3,794,333, 2-26-74, Cl. 277-180.000.

Czernik, Daniel E., to Felt Products Mfg. Co. Roadway joint seal assembly and end dam section. 3,827,817, 8-6-74, Cl. 404-67.000.

Czernik, Daniel E.; and Neff, Clarence H., to Felt Products Mfg. Co. Locator assembly for mounting members for roadway gap bridging and sealing devices. 3,843,273, 10-22-74, Cl. 404-72.000.

Czich, Erhard: *See—*
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Cziska, Johann; Strauss, Georg; Portz, Wilhelm; Komorniczyk, Klaus; and Kandler, Joachim, to Knapsack Aktiengesellschaft. Ferrosilicon alloy. 3,839,014, 10-1-74, Cl. 75-.5ba.

Czoch, Jerzy Wladyslaw: *See—*
Preston, Edward George; and Czoch, Jerzy Wladyslaw, 3,785,902.

Czopor, Edmund J.; Newton, Joseph; Cochrane, Ralph W.; and Mazur, Stan T., to Gorham Tool Company. Cutting tool. 3,798,723, 3-26-74, Cl. 29-103.00a.

Czopor, Edmund J., to Gorham Tool Company. Locking arrangement for cutting blade inserts. 3,798,724, 3-26-74, Cl. 29-105.00r.

Czubak, Albin S.: *See—*
Ellis, Myron P.; and Czubak, Albin S., 3,853,734.

Czuha, Michael, Jr., to Du Pont de Nemours, E. I., and Company. Moisture analysis apparatus. 3,823,082, 7-9-74, Cl. 204-195.00w.

Czuszak, Charles C., to Carrier Corporation. Nozzle structure for steam turbines. 3,836,281, 9-17-74, Cl. 415-217.000.

Czypionka, Erik: *See—*
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D & M Technologies, Inc.: *See—*
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D & P Minerals, Inc.: *See—*
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D. J. Incorporated: *See—*
Allen, Bobby H., 3,784,066.

D-TEK: *See—*
Bauer, Richard H., Jr.; Schuldt, David A.; and Shum, Edward K., 3,828,340.

Da Fano, Ettore; deceased (by Da Fano, Marc; executor), to PPG Industries, Inc., mesne. Resin composition. 3,840,618, 10-8-74, C. 260-863.000.

Da Fano, Marc: *See—*
Da Fano, Ettore, 3,840,618.

Da Rocha, Carlos: *See—*
Propice, Roger; and Da Rocha, Carlos, 3,788,440.

Da Silva, Herman, to De Staat Der Nederlanden, Ten Deze Vertegenwoordigd Door de Directeur-General der Paslerijen, Telegrafie en Telefonie. Simplex radiotelegraph system. 3,790,699, 2-5-74, Cl. 178-2.00a.

Daams, Jasper: *See—*
Van Daalen, Jan Johannes; and Daams, Jasper, 3,799,964.

Daams, Jasper; and Wellinga, Kobus, to U.S. Philips Corporation. Herbicidal compositions containing 2-(2',6'-dichlorophenyl)-1,3-thiazine-4-one and methods of employing the same. 3,785,799, 1-15-74, Cl. 71-90.000.

Daane, Robert A.: *See—*
Busker, Leroy H.; and Daane, Robert A., 3,791,044.
Busker, Leroy H.; and Daane, Robert A., 3,840,429.

Daane, Robert A., to Beloit Corporation. Fibrous web press nip structure including nonporous belts backed by fluid pressure chambers having flexible sills. 3,839,147, 10-1-74, Cl. 162-272.000.

D.A.B. Industries, Inc.: *See—*
Mitchell, David C.; and Latreille, Charles W., 3,798,403.
Stefanutti, Oscar E., 3,791,500.

Dabbs, Robert. Portable collapsible garage. 3,785,697, 1-15-74, Cl. 296-136.000.

Dabby, Franklin Winston; and Kestenbaum, Ami, to Western Electric Company, Incorporated. Periodic dielectric waveguide for backward parametric interactions. 3,831,038, 8-20-74, Cl. 307-88.300.

Dabell, Kenneth Hazelton; and Phillips, Raymond Jeffrey, to Lemand Engineering Limited. Travelling overhead carriage mining machine with articulated, tool carrying boom. 3,828,862, 8-13-74, Cl. 173-43.000.

Dabney, Douglas H. Saddle stirrup for use by a leg amputee. 3,812,650, 5-28-74, Cl. 54-47.000.

Dabney, William C.; Goodenough, Samuel H.; and Queen, Harold B., to Cutter Laboratories, Inc. Method of ultrasonic sealing hollow members. 3,795,558, 3-5-74, Cl. 156-73.000.

Dabney, William C., to Cutter Laboratories, Inc. Flow control apparatus. 3,802,463, 4-9-74, Cl. 137-625.300.

Dabney, William C., to Cutter Laboratories, Inc. Apparatus for aseptically dispensing a measured volume of liquid. 3,844,283, 10-29-74, Cl. 128-214.00r.

Dabrowski, Alfred J., Jr.: *See—*
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Dacam Corporation: *See—*
Cato, Carl P., 3,815,483.
Cato, Carl P., 3,819,057.
Cato, Carl P., 3,844,093.

Dach, Hansjorg; Bordowsky, Karl Heinz; and Bucksch, Manfred, to ZF Getriebe Gesellschaft mit beschrankter Haftung. Resilient stop for piston or the like. 3,832,934, 9-3-74, Cl. 92-130.000.

Dachev, Lyubomir Petrov: *See—*
Julev, Stoyan Iliev; Milkov, Mihail Yordanov; Dachev, Lyubomir Petrov; Vasilev, Rosen Petrov; Kostov, Vasil Alexandrov; and Aroyo, Jacky Sivcho, 3,829,344.

Dachs, Norman W.: *See—*
Geering, Emil J.; and Dachs, Norman W., 3,832,329.

daCosta, Harry H.; Foster, Victor W.; and Thornton, Charles G., to Motorola, Inc. Miniature motor. 3,803,430, 4-9-74, Cl. 310-40.0mm.

Dada, Abdul G.; Dehollander, William R.; and Sloat, Robert J., to General Electric Company. Post oxidation process for uranium dioxide rich compositions. 3,790,493, 2-5-74, Cl. 252-301.10r.

Dada, Abdul G.; and De Hollander, William R., to General Electric Company. Process for producing uranium dioxide rich compositions from uranium hexafluoride. 3,796,672, 3-12-74, Cl. 252-301.10r.

Dada, Abdul G., to General Electric Company. Nozzle for chemical reaction processes. 3,814,327, 6-4-74, Cl. 239-290.000.

Dadd, Morris V., to Johnson Products, Inc. Hydraulic lash adjuster. 3,838,669, 10-1-74, Cl. 123-90.350.

D'Addario, Theodore A., to Velo-Bind, Inc. Debinding tool. 3,851,391, 12-3-74, Cl. 30-280.000.

Daddon, Georges Edouard Louis Leon: *See—*
Mesnet, Jean Dominique Francois; Remon-Beauvais, Philippe Marie Antoine Jacques; Barbarin, Jean Francois; Le Guennec, Raymond Louis; and Daddon, Georges Edouard Louis Leon, 3,790,111.

Daddona, Domenic John, Jr., to Scovill Manufacturing Company. Waistband fastener. 3,815,183, 6-11-74, Cl. 24-227.000.

Dade Reagents, Inc.: *See—*
Jones, Alan Richardson, 3,834,411.

Dadekian, Zaven A., to Baird Chemical Industries, Inc. Method of killing bacteria using didecyl dimethyl ammonium chloride. 3,836,669, 9-17-74, Cl. 424-329.000.

Dadura, James G.: *See—*
Siegart, William R.; Suber, Ralph C.; Blackley, William D.; and Dadura, James G., 3,806,455.

Daeler, Gene L.; Halsted, Edwin H.; and Newill, William J., to General Motors Corporation. Exhaust flow control system. 3,805,521, 4-23-74, Cl. 60-288.000.

Daeli, Daniele, to Metalmeccanica S.p.A. Broken threads detecting device in embroidery machines. 3,850,122, 11-26-74, Cl. 112-218.00r.

Daempa A/S: *See—*
Arfelt, Soren Christian Schoubye; Clausen, Ib Christian; Jensen, Johannes; Fynbo, Knud Hansen; and Fischer, Jean Arnold, 3,853,340.

Daeninckx, Jean: *See—*
Zviak, Charles; and Daeninckx, Jean, 3,806,561.

Daerds, Henry Charles: *See—*
Pickford, Nigel Evans; and Daerds, Henry Charles, 3,834,528.

Daester, Henri H.; and Jungling, Alfred, to Daester-Fairtec AG. Feeding, weighing and mixing apparatus. 3,822,866, 7-9-74, Cl. 259-149.000.

Daester-Fairtec AG: *See—*
Daester, Henri H.; and Jungling, Alfred, 3,822,866.

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Fossati, Charles G.; and Dalton, Francis B., 3,850,184.
Dalton, George E.; Kerr, Karl E.; and Larsen, Donald T. Elastic type exercising device. 3,807,730, 4-30-74, Cl. 272-82.000.
Dalton, John J. Device for collection of cells from the vagina. 3,838,681, 10-1-74, Cl. 128-2.00b.
Dalton, Ralph Warren: *See*—
Moffitt, Charles Rayburn; and Dalton, Ralph Warren, 3,837,099.
Dalton, Robert L., Jr.: *See*—
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Dalton, Ronald James: *See*—
Fairweather, John Anthony; and Dalton, Ronald James, 3,835,037.
Dalton, Thomas B., to Westran Corporation. Rotary direction flow control valve. 3,796,232, 3-12-74, Cl. 137-625.210.
Dalton, William A. J.: *See*—
Rudder, Charles L.; Leader, John C.; Owsley, David P.; and Dalton, William A. J., 3,822,098.
Dalton, William O.; and Trementozzi, Quirino A., to Monsanto Company. Method of producing ABS type polyblend utilizing agglomerated rubber substrate of relatively monodisperse particle size and polyblends produced thereby. 3,793,403, 2-19-74, Cl. 260-876.0r.
Dalton, William O., to Monsanto Company. Method for making rubber modified resins. 3,851,014, 11-26-74, Cl. 260-876.00r.

Dalton, William S.; and Umholtz, Franklyn G. Convertible swivel knife which illuminates work area. 3,831,276, 8-27-74, Cl. 30-123.00r.
Daltronics International: *See*—
Dolan, Albert J., 3,831,812.
Daly, Charles Joseph: *See*—
Weber, Donald R.; Leaf, Harry Vincent; and Daly, Charles Joseph, 3,831,254.
Daly, Daniel G.; and Ritacco, Gerardo A., to Bendix Corporation, The. Method for sealing anodized beryllium components to improve dielectric and corrosion resistant properties. 3,782,997, 1-1-74, Cl. 117-49.000.
Daly, James Ernest, to Hercules Incorporated. Preparation of crystalline sulfides and selenides of cadmium zinc and mercury. 3,852,404, 12-3-74, Cl. 423-99.000.
Daly, John A.; and Ertingshausen, Gerhard, to Union Carbide Corporation. Automated direct method for the determination of inorganic phosphate in serum. 3,795,484, 3-5-74, Cl. 23-230.00b.
Daly, John P.: *See*—
Jones, Ronnie G.; and Daly, John P., 3,857,691.
Daly, John Patrick, to Scope Incorporated. Manually adjustable multiposition switch. 3,784,765, 1-8-74, Cl. 200-5.00r.
Daly, Paul C. Device for monitoring earthmoving. 3,834,037, 9-10-74, Cl. 33-292.000.
Daly, William P.; and Pouliot, Oliver L., to Oneida Packaging Products, Inc. Spike-mounting stacked-bags process and apparatus. 3,831,504, 8-27-74, Cl. 93-93.00m.
Dalzell, James Welland. Thermostat. 3,813,630, 5-28-74, Cl. 337-360.000.
Damadian, Raymond V. Apparatus and method for detecting cancer in tissue. 3,789,832, 2-5-74, Cl. 128-2.00r.
Daman, Louis F., to Singer Company, The. Integrated sewing machine controls. 3,807,329, 4-30-74, Cl. 112-158.00d.
Damani, Nalinkant C., to ALZA Corporation. Auto inhaler. 3,831,606, 8-27-74, Cl. 128-266.000.
D'Amata, Michael. Control for ball piston fluid transmission device. 3,835,752, 9-17-74, Cl. 91-492.000.
D'Amato, Salvatore F.: *See*—
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D'Ambra, Michael. Extended front end for a bike. 3,811,705, 5-21-74, Cl. 280-279.000.
D'Ambrosio, Anthony H. Multiple size slacks. 3,848,268, 11-19-74, Cl. 2-237.000.
D'Ambrosio, Birino, to Du Pont de Nemours, E. I., and Company. Continuous filaments and yarns. 3,853,688, 12-10-74, Cl. 161-178.000.
Dambroth, Jurgen; Wienbuttel, Gut; and Luneburg, Uber. Device for continuous winding of continuously running webs of material. 3,817,467, 6-18-74, Cl. 242-56.00r.
Dame, John S., to Motorola, Inc. Voltage level shifting circuit. 3,801,831, 4-2-74, Cl. 307-251.000.
Damewood, Marvin L., to Savage, W. J., Co., Inc. Rotatable chuck for supporting elongate work piece. 3,851,869, 12-3-74, Cl. 269-61.000.
Damgaard-Iversen; Hansen, Ove Emil; and Lund, Bjorn, to Aktieselskabet Niro Atomizer. Apparatus for evaporating liquid from a solution or suspension. 3,828,837, 8-13-74, Cl. 159-4.00r.
D'Amico, Frank J.; and Stein, William H., Jr., to Hill-Rom Company, Inc. Cabinet. 3,794,395, 2-26-74, Cl. 312-209.000.
Damico, Frank M., to Joerns Furniture Company. Lighting arrangement. 3,803,396, 4-9-74, Cl. 240-2.00r.
Damico, Frank M., to Joerns Furniture Company. Control mechanism for electrically operable bed. 3,840,910, 10-15-74, Cl. 5-66.000.
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D'Amico, John Joseph, to Monsanto Company. 2-(N-2-cyandethyl-dithiocarbamylmethylene)-5-hydroxy-4H-pyran-4-one and metal chelates. 3,799,945, 3-26-74, Cl. 260-345.900.
D'Amico, John Joseph; and Bollinger, Frederic Gerald, to Monsanto Company. 2,5-Dimethyl-1-pyrrolidinecarboxanilides and thiocarboxanilides. 3,804,853, 4-16-74, Cl. 260-326.400.
D'Amico, John Joseph, to Monsanto Company. Inhibiting premature vulcanization with aminothiopyrimidines. 3,839,303, 10-1-74, Cl. 260-79.50b.
D'Amico, John Joseph, to Monsanto Company. Fungicidal and bactericidal 2-(N-2-cyanoethyl-dithio carbamylmethylene)-5-hydroxy-4H-pyran-4-one and metal chelates. 3,852,444, 12-3-74, Cl. 424-245.000.
D'Amico, John Joseph, to Monsanto Company. Cyanoisothiazulyl bis(thiobenzothiazoles). 3,853,825, 12-10-74, Cl. 260-79.50r.
D'Amico, Paul M. Devices as selective master line-yarn holder-cutter storer in combination means. 3,803,650, 4-16-74, Cl. 7-14.10r.
Damico, Ralph A.: *See*—
Peterson, Donald J.; Ward, James F.; and Damico, Ralph A., 3,808,264.
Damico, Ralph A.; and Laughlin, Robert G., to Procter & Gamble Company, The. Process for preparing α-amino acids. 3,790,598, 2-5-74, Cl. 260-326.14t.
Damien, Michael Henri: *See*—
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Ambler, E. Curtis; Damijonaitis, Kestutis; and Ketchpel, Paul A., 3,791,260.
Ketchrel, Paul A., Jr.; and Damijonaitis, Kestutis, 3,802,079.
Damiron, Paul. Mufflers for internal combustion engines. 3,823,796, 7-16-74, Cl. 181-49.000.
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Damodaran, Nandyelath; Moffatt, John; Jones, Gordon; and Howarth, George, to Syntex (U.S.A.) Inc. Synthetic polyoxin type nucleosides and methods of preparing. 3,809,689, 5-7-74, Cl. 260-211.50r.
Damon, Clarence Stanley. Alarm system with automatic ringback. 3,854,127, 12-10-74, Cl. 340-213.200.
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Damon, Neil F.; Laurence, Robert S.; and Hoy, Ralph C., to Augat, Inc. Electrical component mounting. 3,825,876, 7-23-74, Cl. 339-17.0cf.
Damon, Neil F., to Augat, Inc. Multiple-pin plug adaptor. 3,846,740, 11-5-74, Cl. 339-220.0ri.
Damon, Rees E., to Rahr Malting Company. Malting apparatus. 3,840,435, 10-8-74, Cl. 195-129.000.
Damon, Robert A.: *See*—
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Damon, Ronald L.; and Wiltshire, Arthur J., to Structural Fibers, Inc. Apparatus for forming fiber preforms. 3,791,783, 2-12-74, Cl. 425-82.000.
Damour, Lawrence R.: *See*—
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Damrau, Wayne A., to Consolidated Papers, Inc. Web coating apparatus. 3,799,111, 3-26-74, Cl. 118-63.000.
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Dana, Eugene. Coin operated card vending machine. 3,800,932, 4-2-74, Cl. 194-10.000.

Danberg, Victor. Solid waste trash grinder. 3,831,865, 8-27-74, Cl. 241-32.000.

Danberg, Victor. Pulley for magnetic separation of solid wastes. 3,848,743, 11-19-74, Cl. 209-218.000.

Dance, Harry, Jr. Insert for a golf club head. 3,836,153, 9-17-74, Cl. 273-173.000.

Danchenko, Vitaly, to United States of America, National Aeronautics and Space Administration. Radiation hardening of MOS devices by boron. 3,799,813, 3-26-74, Cl. 148-1.500.

Danckaert, Valere Frans: *See*—
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Dancy, William B., to International Minerals & Chemical Corporation. Beneficiation of sylvinite ore. 3,802,632, 4-9-74, Cl. 241-20.000.

Dancy, William B., to International Minerals & Chemical Corporation. Solution mining process. 3,829,559, 8-13-74, Cl. 423-497.000.

Dandliker, Rene; and Ineichen, Beat, to BBC Brown Boveri & Company Limited. Method of measuring small objects. 3,806,251, 4-23-74, Cl. 356-106.000.

Dandliker, Rene; and Iten, Paul D., to Aktiengesellschaft Brown, Boveri & Cie. Method and apparatus for the presentation of frequency. 3,823,374, 7-9-74, Cl. 324-79.00r.

Dandois, Charles L., to Allis-Chalmers Corporation. External material lifters for rotary kilns and the like. 3,782,891, 1-1-74, Cl. 432-118.000.

D'Andrea, Joseph. Feed chute for underground cable laying plow. 3,802,210, 4-9-74, Cl. 62-72.600.

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Dane, Dan H., to United States of America, National Aeronautics and Space Administration. Sprag solenoid brake. 3,812,936, 5-28-74, Cl. 188-171.000.

Dane, Dan H., to United States of America, National Aeronautics and Space Administration. Orthotic arm joint. 3,849,668, 11-19-74, Cl. 307-149.000.

Dane, Ernest B., Jr. Dry sail marina. 3,786,942, 1-22-74, Cl. 214-16.40a.

Dane, Ernest Blaney, Jr. Deep sea mining system. 3,811,730, 5-21-74, Cl. 299-8.000.

Dane, Oscar; Beers, Ronald Wentworth; and Levey, Gustave Stanley, to Levey, Gustave S., Trustee. Pump for zinc-rich materials or the like. 3,787,149, 1-22-74, Cl. 417-554.000.

Dane, Robert L. Wire stripping tool. 3,796,115, 3-12-74, Cl. 81-95.00b.

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Danek, Michael J., to General Motors Corporation. Throttle controlled by transmission ratio. 3,799,008, 3-26-74, Cl. 74-860.000.

Danek, Michael J.; and Haas, Ronald H., to General Motors Corporation. Throttle controlled by engine vacuum. 3,805,642, 4-23-74, Cl. 74-860.000.

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Dangay, Philippe: *See*—
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D'Angelo, Antonio J.; and Mageli, Orville L., to Pennwalt Corporation. Polyperoxides affording sequential free radical generation. 3,839,390, 10-1-74, Cl. 260-453.00r.

D'Angelo, Antonio Joseph, to Pennwalt Corporation. Novel dialkyl peroxydicarbonates. 3,821,273, 6-28-74, Cl. 260-463.000.

D'Angelo, Antonio Joseph; McKellin, Wilbur H.; and Mageli, Orville Leonard, to Pennwalt Corporation. Certain ether peroxides derivable from α-substituted vinyl ethers. 3,822,317, 7-2-74, Cl. 260-610.00r.

D'Angelo, Antonio Joseph; Mageli, Orville Leonard; and Sheppard, Chester Stephen, to Pennwalt Corporation. Coupled peroxides. 3,846,396, 11-5-74, Cl. 260-94.9ga.

D'Angelo, Antonio Joseph; and McKellin, Wilbur H., to Pennwalt Corporation. Oxy substituted peroxyketals. 3,853,957, 12-10-74, Cl. 260-476.00r.

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D'Angelo, Thomas J.; Strohmeyer, William H.; and Ulbrich, John K., to Meyer Machine Company. Tennis ball propelling machine. 3,785,358, 1-15-74, Cl. 124-1.000.

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Daniel, Andre Francis Albert, to Etat Francais. Safety device for percussion fuse. 3,814,018, 6-4-74, Cl. 102-73.000.

Daniel, Arnold; and Richey, Joseph Burdette, II. Metal casting apparatus. 3,788,382, 1-29-74, Cl. 164-150.000.

Daniel, Brian Percy. Pipe couplings. 3,787,080, 1-22-74, Cl. 285-341.000.

Daniel, Edmond, to Creusot-Loire. Device for winding flexible elements connected end-to-end by a joint. 3,831,870, 8-27-74, Cl. 242-18.00a.

Daniel, Hermann; Gauch, Hermann; and Mailander, Peter, to Union Special Maschinenfabrik, G.m.b.H. Control system for pneumatic thread aligner. 3,802,362, 4-9-74, Cl. 112-252.000.

Daniel, Heston C. Dental cleaning device. 3,835,872, 9-17-74, Cl. 132-92.00r.

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Daniel, James T.; Templeton, George E.; and Smith, Roy J., Jr., to United States of America, Agriculture. Control of aeschynomene sp. with Colletrotrichum gloeosporioides Penz. f. sp. aeschynomene. 3,849,104, 11-19-74, Cl. 71-65.000.

Daniel, James Walter, Jr., to RCA Corporation. Parametric amplifier having an idler circuit reducing spurious idler signal magnitude. 3,831,037, 8-20-74, Cl. 307-88.300.

Daniel, Leonard Irving; Sadler, Thomas H.; Nawn, John F.; and French, David Walter, to Johns-Manville Corporation. Method and assembly for controlling thrust forces in a pipe arrangement. 3,819,210, 6-25-74, Cl. 285-114.000.

Daniel, Leopold S. Neck and shoulder drape. 3,798,674, 3-26-74, Cl. 2-50.000.

Daniel, Michael R., to Westinghouse Electric Corporation. Method for improving semiconductor surface wave transducer efficiency. 3,828,283, 8-6-74, Cl. 333-30.00r.

Daniel, Michael R., to Westinghouse Electric Corporation. Acoustic surface wave television tuner. 3,858,118, 12-31-74, Cl. 325-465.000.

Daniel, Roger P.; and Rhodes, Alex, to Ford Motor Company. Energy absorbing steering column. 3,832,911, 9-3-74, Cl. 74-492.000.

Daniel, Roger P., to Ford Motor Company. Test dummy submarining indicator system. 3,841,163, 10-15-74, Cl. 73-432.0sd.

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Daniel, William H. Multi-unit apparatus for collecting oil from the surface of a body of water. 3,784,013, 1-8-74, Cl. 210-242.000.

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Danieli, Luigi. Equipment for conveying smokes and products of the combustion in a smelting furnace. 3,834,293, 9-10-74, Cl. 98-36.000.

Danieli, Stan Henrik; and Sundstrand, Arne, to Allmanna Svenska Elektriska Aktiebolaget. Container for manufacturing sintered products. 3,850,557, 11-26-74, Cl. 425-78.000.

D'Aniello, Liborio Lee. Pre-setting tool gauge for spindle machines. 3,826,011, 7-30-74, Cl. 33-185.00r.

Danielmeyer, Hans Guenter; and Weber, Heinz Paul, to Bell Telephone Laboratories, Incorporated. Laser employing a metallic pentaphosphate. 3,813,613, 5-28-74, Cl. 331-94.500.

Daniels, Alexander, to North American Philips Corporation. Pulse tube refrigerator. 3,817,044, 6-18-74, Cl. 62-6.000.

Daniels, Arthur L.: *See*—
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Daniels, Calvin L.; and Boadle, Robert, to Cosden Oil & Chemical Company. Distillation of readily polymerizable ethylenically unsaturated aromatic hydrocarbon compounds with N-nitrosodiphenylamine. 3,816,265, 6-11-74, Cl. 203-9.000.

Daniels, Clare G., to Philco-Ford Corporation. Pneumatic spreading of filaments. 3,795,944, 3-12-74, Cl. 19-65.00t.

Daniels, David A.: *See*—
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Daniels, David A.; and Davis, William R., to M & T Chemicals Inc. Preparation of trineophyl tin halides. 3,849,460, 11-19-74, Cl. 260-429.700.

Daniels, Dennis, to U.S. Amada, Ltd. Tapping head for punch press. 3,788,760, 1-29-74, Cl. 408-130.000.

Daniels, Dennis, to U.S. Amada, Ltd. N.C. automatic folding machine, 3,815,393, 6-11-74, Cl. 72-7.000.

Daniels, Dennis, to U.S. Amada, Ltd. Punching-fabricating apparatus interface mechanism. 3,815,403, 6-11-74, Cl. 72-405.00.

Daniels, Dennis, to U.S. Amada, Ltd. Unitized tooling. 3,815,459, 6-11-74, Cl. 83-140.000.

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Danielson, Irvin R., to Thor Power Tool Company. Sound attenuating device for a work steel or the like. 3,783,970, 1-8-74, Cl. 181-33.00a.

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Daoust, Gilles P. Adjustable loom for hand weaving. 3,800,372, 4-2-74, Cl. 28-15.000.

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Daugherty, John F. Pulse jet pressure nozzle. 3,806,033, 4-23-74, Cl. 239-222.210.

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Daum, Werner; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Grewe, Ferdinand, to Bayer Aktiengesellschaft. N-(τ-cyano-alkyl)-carbamyl-benzimidazoles used as fungicides and anti-bacterial agents. 3,794,728, 2-26-74, Cl. 424-273.000.

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Olier, Claude; and David, Guy Albert Jules, 3,824,466.

David, Harry; and Rudszinat, Willy, to Hauni-Werke Korber & Co., KG. Method and apparatus for measuring the rate of feed of fibrous material. 3,825,152, 7-23-74, Cl. 222-1.000.

David, Harry, to Hauni-Werke, Korber & Co., K.G. Method and apparatus for forming a tobacco stream. 3,844,295, 10-29-74, Cl. 131-21.00a.

David, John. Means to assure uniform flow of an abrasive solution. 3,848,366, 11-19-74, Cl. 51-129.000.

David, Joseph; Thomas, Keith; and Kishore, Nand, to Catomance Limited. Substituted aromatic compounds. 3,796,595, 3-12-74, Cl. 117-138.500.

David, Joseph; Thomas, Keith; and Kishore, Nand, to Catomance Limited. Process for preparing 1-aryloxy-2-propanols. 3,830,851, 8-20-74, Cl. 260-613.00d.

David, Joseph S. Mining machine dust collector. 3,810,677, 5-14-74, Cl. 299-64.000.

David Malcolm Pearson: *See—*
Coulthard, James Albert; and Coulthard, Marie Luise Batzner, 3,811,750.

David Manufacturing Company: *See—*
Murphy, David M., 3,825,089.

David, Michel, to Logabox S.A. Apparatus for automatic half-tone (direct-screen) or continuous tone colour separation work in photomechanical reproduction. 3,801,198, 4-2-74, Cl. 355-32.000.

David, Muriel A. Yarn threading device. 3,838,801, 10-1-74, Cl. 223-99.000.

David, Pierre Yvon; Charles, Joel M.; and Toscano, Robert Julien, to Etat Francais represente par le Ministre d'Etat charge de la Defense Nationale-Delegation Ministerielle pour l'Armement. Controlled-motor pivoting coupling devices. 3,797,275, 3-19-74, Cl 64-17.00r.

David, Pierre Yvon; and Martin, Gilbert Marius, to Republic of France; as represented by State Minister charged with National Defence Delegation Ministerielle pour l'Armement, Bureau des Prevets et Inventions. Device for rotating passage through a wall subect to different pressures on either side. 3,835,801, 9-17-74, Cl. 114-16.00r.

David, Robert Edward: *See—*
Romanzi, Louis; and David, Robert Edward, 3,838,832.

David, Walfried, to Bopp & Reuther GmbH. Sealing arrangement. 3,854,761, 12-17-74, Cl. 285-336.000.

Davidge, Harold, to British Oxygen Company Limited, The. Evaporation system. 3,789,616, 2-5-74, Cl. 62-50.000.

Davidge, Roger William; and Evans, Anthony Glyn, to United Kingdom Atomic Energy Authority. Silicon nitride artefacts. 3,824,120, 7-16-74, Cl. 117-98.000.

Davidge, Ronald V.; Davis, Clyton J.; Okcuoglu, Selahattin A.; and Schaefer, John O., to International Business Machines Corporation. Automatic erase mechanism. 3,799,316, 3-26-74, Cl. 197-181.000.

Davidoff, Benjamin: *See—*
Pitti, Joseph J.; Tassone, George A.; and Davidoff, Benjamin, 3,793,651.

Davidovich, Natalia Ivanovna: *See—*
Badenkov, Petr Fedorovich; Petrokas, Leonid Venediktovich; Portny, Gennady Lazarevich; Pukhova, Regina Lazarevna; Davidovich, Natalia Ivanovna; Roitburd, Isaak Shlemovich; Tsaplin, Nikolai Sergeevich; and Pinegin, Vladimir Alexandrovich, 3,785,905.

Davidovich, Tatyana Ivanovna: *See—*
Chernyshev, Petr Sergeevich; Spiridonov, Konstantin Alexeevich; Pakhomov, Vladimir Alexandrovich; Nikolaev, Georgy Vasilievich; Volfson, Izrail Mordukhovich; Levchenko, Boris Leonidovich; Ryzhkov, Viktor Kuzmich; Gladkovsky, Petr Stanislavovich; Shargorodsy, Viktor Semenovich; and Shlyapin, Alexandr Nikolaevich, 3,820,915.

Davidsohn, Uryon S., to Motorola, Inc. Semiconductor devices. 3,800,195, 3-26-74, Cl. 317-235.00r.

Davidsohn, Uryon S.; deceased (by Ajamie, Amil J.; administrator); Short, John P.; Combs, Clyde, Jr.; and Guerra, Edward E. Solid state integrated circuits. 3,813,584, 5-28-74, Cl. 317-235.00d.

Davidsohn, Uryon S.; deceased (by Ajamie, Amil J.; administrator), to Motorola, Inc. Method of making semiconductor devices through overlapping diffusions. 3,840,412, 10-8-74, Cl. 148-187.000.

Davidsohn, Uryon S.; deceased (by Ajamie, Amil J.; administrator), to Motorola, Inc. Methods of forming self aligned transistor structure having polycrystalline contacts. 3,847,687, 11-12-74, Cl. 148-187.000.

Davidson, Alan John: *See—*
George, Edwin Francis; and Davidson, Alan John, 3,834,888.

Davidson, Alan John; and George, Edwin Francis, to Imperial Chemical Industries Limited. Plant growth regulating composition and process. 3,810,750, 5-14-74, Cl. 71-78.000.

Davidson, Brian. Toaster. 3,792,653, 2-19-74, Cl. 99-339.000.

Davidson, Bruce R.; and Agneta, Agustus R., to Parfums Rochas, Inc. Pressure testing device for glass aerosol bottles. 3,848,459, 11-19-74, Cl. 73-41.200.

Davidson, Cecil W. Boiler burner balancing counter control system. 3,797,988, 3-19-74, Cl. 431-12.000.

Davidson, Clara A.: *See—*
Paulson, William T.; Davidson, David M.; Gilbert, L. Eldean; Gabbard, Henry; and Bemus, Richard D., 3,850,729.

Davidson, David M.: *See—*
Paulson, William T.; Davidson, David M.; Gilbert, L. Eldean; Gabbard, Henry; and Bemus, Richard D., 3,850,729.

Davidson, Edmund Benjamin, to RCA Corporation. Unsaturated polyester resin photoresist composition. 3,825,428, 7-23-74, Cl. 96-91.00n.

Davidson, George R.; and Gustafson, David R., to Beloit Corporation. Papermaking machine headbox with slice chamber containing flexible trailing elements having extended edges. 3,856,619, 12-24-74, Cl. 162-343.000.

Davidson, Hugh; and Leggetter, Brian Ernest, to Hickson & Welch Limited. 3-(Coumarin-3-ylphenyl)-1,2,4-oxadiazol-5-yl ammonium salts. 3,810,901, 5-14-74, Cl. 260-293.580.

Davidson, Ian H.: *See—*
Crockett, Ivan L.; and Davidson, Ian H., 3,818,357.

Davidson, Jack H. Novelty aerial spinner device. 3,818,629, 6-25-74, Cl. 46-53.000.

Davidson, James R., to Xerox Corporation. Development apparatus. 3,854,449, 12-17-74, Cl. 118-637.000.

Davidson, James Thomson: *See—*
Lyon, Henry; Mathewson, Harald David; Davidson, James Thomson; and Byrne, Stanley William, 3,805,682.

Davidson, Maxwell, Evaporators, Limited: *See—*
Davidson, Maxwell Wingate, 3,808,104.

Davidson, Maxwell, Limited: *See—*
Davidson, Maxwell Wingate, 3,825,382.

Davidson, Maxwell Wingate, to Davidson, Maxwell, Evaporators, Limited. Multi-stage evaporator. 3,808,104, 4-30-74, Cl. 202-173.000.

Davidson, Maxwell Wingate, to Davidson, Maxwell, Limited. Filter press. 3,825,382, 7-23-74, Cl. 425-84.000.

Davidson, Morris J.: *See—*
Nick, Charles F.; and Davidson, Morris J., 3,808,882.

Davidson, Paul, mesne: *See—*
De Vault, Robert T.; and Maloof, Ralph, 3,827,390.

Davidson, Ralph L., to Curtis & Marble Machine Company. Pattern shearing device for pile fabrics. 3,818,554, 6-25-74, Cl. 26-16.000.

Davidson, Robert H.; and Reisch, Donald A. Impact-righting gun target. 3,844,559, 10-29-74, Cl. 273-102.10e.

Davidson, Sidney. Warning alarm for providing an alarm upon operating means being unintentionally connected to a power source. 3,815,110, 6-4-74, Cl. 340-213.00r.

Davidson, Thomas W.: *See—*
Lay, Clark M.; Burkhardt, James H., Jr.; and Davidson, Thomas W., 3,794,814.

Davidson, William A. Portable ball stop. 3,856,301, 12-24-74, Cl. 273-55.00b.

Davidson, William E., to General Electric Company. Self cleaning steam iron. 3,823,498, 7-16-74, Cl. 38-77.830.

Davidson, William E.; and Toft, Kaj, to General Electric Company. Self-cleaning steam iron. 3,849,916, 11-26-74, Cl. 38-77.830.

Davidson, William Ward, Jr., 30% to Brown, Robert C., Jr. Copier-duplicator. 3,785,289, 1-15-74, Cl. 101-450.000.

Davidson, William Ward, Jr., to Van Vlaanderen Machine Company. Printing press method of assembly. 3,848,320, 11-19-74, Cl. 29-428.000.

Davidsson, Mats I. Apparatus for application of stiffening bands or the like to pieces of cloth. 3,837,976, 9-24-74, Cl. 156-513.000.

Davie, Pierre Yvon; Charles, Joel M.; and Fourtier, Maurice Robert, to Etat Francais represente par le Ministre Charge de la Defense National Delegation Ministerielle pour l'Armement. Lifting grapple. 3,804,452, 4-16-74, Cl. 294-88.000.

Davies, Anthony Roger, to Plessey Handel und Investments A.G. Flow-control arrangements in axial-cylinder pumps. 3,808,950, 5-7-74, Cl. 91-487.000.

Davies, Arthur S.: *See—*
Good, William E.; and Davies, Arthur S., 3,800,997.

Davies, Arthur S., to Kelsey-Hayes Company. Hydraulically operated butt welder. 3,837,558, 9-24-74, Cl. 228-3.000.

Davies, Ben; Carini, George F.; and Weaver, Ernest P., to Dresser Industries, Inc. Method for making magnesite brick. 3,852,080, 12-3-74, Cl. 106-58.000.

Davies, Daniel J.: *See—*
Manion, Jean P.; and Davies, Daniel J., 3,808,115.

Davies, David H.: *See—*
Repsher, Robert W.; Gainer, Gordon C.; Luck, Russell M.; and Davies, David H., 3,833,392.

Davies, David W., Jr., to Carter-Waters Corporation. Sign frame assembly. 3,835,613, 9-17-74, Cl. 52-656.000.

Davies, Elmer S.; and Edwards, Monte R., to Dasi Industries, Inc. Method and apparatus for heat treating liqueform materials. 3,847,714, 11-12-74, Cl. 159-417.000.

Davies, Emrys; and Rippon, John Roy, to British Steel Corporation. Alloying steels. 3,841,867, 10-15-74, Cl. 75-129.000.

Davies, Eric, to Marconi Company Limited, The. Radar provided with pulse repetition frequency discrimination. 3,825,930, 7-23-74, Cl. 343-7.700.

Davies, Eric, to Marconi Company, Limited, The. Radar systems. 3,854,132, 12-10-74, Cl. 343-5.0pd.

Davies, Evan Ellis: *See—*
Bourne, Kenneth Hugh; Davies, Evan Ellis; and Pitkethly, Robert Chalmers, 3,849,299.

Davies, Evan John. Eddy current couplings. 3,826,937, 7-30-74, Cl. 310-105.000.

Davies, Gail F., to Gould Inc., mesne. Powder metal honeycomb. 3,844,011, 10-29-74, Cl. 29-182.300.

Davies, Gareth Morse, to Imperial Chemical Industries Limited. Furo[3,2-d] [1,2,3]diazaborines. 3,849,449, 11-19-74, Cl. 260-347.200.

Davies, Gomer L.: *See—*
Terry, Reese S., Jr.; and Davies, Gomer L., 3,805,796.

Davies, Harry John, to Canron Limited. Manufacture of white cast iron. 3,784,416, 1-8-74, Cl. 148-3.000.

Davies, Idwal: *See—*
Gibbon, William Malcolm; Davies, Idwal; and Harris, Alan Gwynne, 3,839,026.

Davies, Ivor Llewellyn; and Burrow, Reginald Edwin, to Taylor Woodrow Construction Limited. Pressure vessels. 3,794,559, 2-26-74, Cl. 176-87.000.

Davies, James Francis: *See—*
Cheng, Wai Ming; Davies, James Francis; and Pethica, Brian Anthony, 3,835,057.

Davies, James Francis; Gauterin, Charles Rowland; and Neillie, William Frederick Soutar, to Lever Brothers Company. Detergent compositions. 3,843,563, 10-22-74, Cl. 252-547.000.

Davies, James W., to Singer-General Precision Inc. Accelerometer. 3,789,672, 2-5-74, Cl. 73-497.000.

Davies, John H.; and Davis, Royston H., to Shell Oil Company. Thiazole carbamate pesticides. 3,825,552, 7-23-74, Cl. 260-302.00r.

Davies, John R.: *See—*
Solomon, William H.; Davies, John R.; and Eorward, Carrel M., 3,783,058.

Davies, John R., to Oliver Machinery Company. Labeling machine. 3,843,440, 10-22-74, Cl. 156-354.000.

Davies, Norman; and Wobrak, Robert E., to Westinghouse Electric Corporation. Metal-enclosed switchgear with interlock means. 3,783,208, 1-1-74, Cl. 200-50.0aa.

Davies, Norman, to Westinghouse Electric Corporation. Circuit interrupter with improved overcenter spring operating mechanism. 3,783,214, 1-1-74, Cl. 200-153.0sc.

Davies, Owen Mansel; Olive, Martin Frederick; Cook, Terence John; and Hilder, Graham Keith, to British Petroleum Company, Limited, The. Isomerisation of paraffin hydrocarbons. 3,791,960, 2-12-74, Cl. 208-57.000.

Davies, Paul Trevor; and Morgan, John Harold, to Morgan Berkeley & Company Limited. Electrical chlorinator. 3,841,250, 10-15-74, Cl. 114-.50r.

Davies, Phineas: *See—*
Campbell, John Stewart; and Davies, Phineas, 3,849,538.

Davies, Reg.; and Karuhn, Richard F., to IIT Research Institute. Method of and an apparatus for counting fibers. 3,845,386, 10-29-74, Cl. 324-71.0cp.

Davies, Richard G.; and Johnston, Thomas L., to Ford Motor Company. Valve components. 3,795,510, 3-5-74, Cl. 75-171.000.

Davies, Robert G.: *See—*
La Cagnina, John M.; and Davies, Robert G., 3,785,816.
Neill, Henry R.; and Davies, Robert G., 3,832,531.

Davies, Robert H. Sundial. 3,786,570, 1-22-74, Cl. 33-270.000.

Davies, Robert Henry. Marine loading/unloading system. 3,837,380, 9-24-74, Cl. 141-279.000.

Davies, Robert William; and Thornton, Leonard, to Molins Limited. Adhesive-applying apparatus. 3,815,822, 6-11-74, Cl. 239-125.000.

Davies, Ronald F.; and Benvegno, George J., to Colonial Metals, Inc. Catalytic mixture. 3,835,066, 9-10-74, Cl. 252-429.00r.

Davies, Stanton; and Kropiwnicki, Tadek M., to Carrier Corporation. Lubrication system for a motor compressor unit. 3,830,341, 8-20-74, Cl. 184-6.160.

Davies, Terence J., to Xerox Corporation. Electrophoretic imaging. 3,801,195, 4-2-74, Cl. 355-3.000.

Davies, Terrence Ardern; and Quarmby, Raymond Barber, to Plessey Handel und investments A.G. Electrical connectors. 3,818,414, 6-18-74, Cl. 339-17.00m.

Davies, Terrence Ardern, to Square D Company. Method of making light-duty electrical contacts composed of silver and ruthenium dioxide. 3,841,869, 10-15-74, Cl. 75-206.000.

Davies, Terrence Ardern, to Square D Company. Electrical contact materials and methods of making the same. 3,857,706, 12-31-74, Cl. 75-173.00r.

Davin, Donald R., to Blaw-Knox Construction Equipment, Inc. Reference beam grade control for asphalt pavers. 3,846,035, 11-5-74, Cl. 404-84.000.

Davis, Alan R., to Eaton Corporation. O-ring gear shift lever isolator. 3,850,047, 11-26-74, Cl. 74-473.00p.

Davis, Alan Russell; Lacey, Raymond Dennis; and Gray, John Meredith, to Avdel Limited. Method and apparatus for blind riveting. 3,837,208, 9-24-74, Cl. 72-391.000.

Davis, Alvin Q., Jr. Flow proportional pneumatic composite sampler. 3,820,555, 6-28-74, Cl. 137-100.000.

Davis, Alvin W. Tilted rotary retort industrial furnace. 3,814,401, 6-4-74, Cl. 266-4.00a.

Davis, Alwyn K.; and St. John, Ward A. Catamenial device and applicator therefor. 3,791,385, 2-12-74, Cl. 128-263.000.

Davis, Amos F. Log cutting apparatus for cutting logs into selected lengths. 3,827,327, 8-6-74, Cl. 83-522.000.

Davis, Andrew W.: *See*—
Godson, Louis H.; Jacobs, William B.; and Davis, Andrew W., 3,783,109.

Davis, Arthur. Simulated planetarium projector. 3,813,156, 5-28-74, Cl. 353-119.000.

Davis, Austin E.; and Agostino, Peter A., to Nashua Corporation. Electrophotographic copy systems. 3,815,989, 6-11-74, Cl. 355-10.000.

Davis, B. T. Battery locking device. 3,826,115, 7-30-74, Cl. 70-258.000.

Davis, Benjamin; and Phillipps, Gordon Hanley, to Glaxo Laboratories Limited. Anaesthetic steroids. 3,816,624, 6-11-74, Cl. 424-243.000.

Davis, Bernard E. Side view mirror attachment for motor vehicle. 3,826,563, 7-30-74, Cl. 350-303-.

Davis, Bernard H., to Robertson, H. H., Company. Apparatus for fabricating double-skin foam core construction panels. 3,846,054, 11-5-74, Cl. 425-110.000.

Davis, Billy E.; and Dunegan, Ronald G., to Signet Controls, Inc. Leak detector for detecting leakage in a meter prover system. 3,815,406, 6-11-74, Cl. 73-46.000.

Davis, Billy W. Inflatable target and foldable scoring apparatus. 3,843,124, 10-22-74, Cl. 273-95.00b.

Davis, Bobby, A., to Dymo Industries, Inc. Embossing tool. 3,820,645, 6-28-74, Cl. 197-6.700.

Davis, Boyce W.: *See*—
Davis, Floyd O.; and Davis, Boyce W., 3,797,959.

Davis Building Systems, Ltd.: *See*—
Davis, Jack, 3,822,815.

Davis, Burns; and Kibler, Charles J., to Eastman Kodak Company. Polyisocyanate adducts. 3,787,469, 1-22-74, Cl. 260-453.00a.

Davis, Burns; Fagerburg, David R.; and Kibler, Charles J., to Eastman Kodak Company. Water-dissipatable polyesteramides. 3,828,010, 8-6-74, Cl. 260-75.00n.

Davis, Burtron H., to Mobil Oil Corporation. Bimetallic catalyst preparation. 3,840,475, 10-8-74, Cl. 252-441.000.

Davis, Calvin R.: *See*—
Von Tresckow, Hans-Udo; and Davis, Calvin R., 3,812,790.

Davis, Carlton John. King-pin actuated landing gear for road-haulage semi-trailers. 3,790,190, 2-5-74, Cl. 280-430.000.

Davis, Cecil J., to Bridge Data Products Corporation. Tape drive. 3,804,313, 4-16-74, Cl. 226-49.000.

Davis, Charles M., Jr.; and Fox, Joseph N., to Scrap Metals, Inc. Can crusher. 3,814,009, 6-4-74, Cl. 100-159.000.

Davis, Charles S.: *See*—
Hansen, Lloyd B.; and Davis, Charles S., 3,796,464.

Davis, Charles W.; and Roosa, Vernon D., said Davis assor. to Stanadyne, Inc. Fuel injector having self-cleaning filter. 3,829,014, 8-13-74, Cl. 239-86.000.

Davis, Charley W., Jr. Toilet lid or lid and seat closer. 3,781,924, 1-1-74, Cl. 4-251.000.

Davis, Claude A.: *See*—
Stendig, Joseph L.; and Davis, Claude A., 3,786,502.
Stendig, Joseph L.; and Davis, Claude A., 3,801,971.

Davis, Clyton J.: *See*—
Davidge, Ronald V.; Davis, Clyton J.; Okcuoglu, Selahattin A.; and Schaefer, John O., 3,799,316.

Davis, Curry Beach; and McBridge, Joseph J., Jr., to Arizona Chemical Company, mesne. Catalytic isomerization of alpha-pinene. 3,842,135, 10-15-74, Cl. 260-675.500.

Davis, D. Carter; Sawant, Ulhas S.; and Scaffidi, Francis, to Rexnord Inc. Crusher adjusting system. 3,797,759, 3-19-74, Cl. 241-30.000.

Davis, D. Carter; Sawant, Ulhas S.; and Scaffidi, Francis, to Rexnord Inc. Adjusting crusher under load. 3,797,760, 3-19-74, Cl. 241-30.000.

Davis, Dan Bryan, to Northern Electric Company Limited. Continuous soldering apparatus. 3,786,981, 1-22-74, Cl. 228-4.000.

Davis, Darryl B. Sugar cane wagon and the like. 3,856,354, 12-24-74, Cl. 298-10.000.

Davis, David W.: *See*—
Johnson, Winston O.; and Davis, David W., 3,819,947.

Davis, Delles T., to Development Research Ltd. Safety zone fuel system for mobile direct service units. 3,788,755, 1-29-74, Cl. 404-1.000.

Davis, Dennis J.; and Juhasz, John E., to Bendix Corporation, The. Adaptive braking system. 3,794,389, 2-26-74, Cl. 303-21.00p.

Davis, Dennis J.; and Juhasz, John E., to Bendix Corporation, The. Anti-skid control system for fluid pressure brakes. 3,832,013, 8-27-74, Cl. 303-21.00p.

Davis, Dennis J.; Juhasz, John E.; and Eslinger, Ralph G., to Bendix Corporation, The. Adaptive braking system. 3,838,892, 10-1-74, Cl. 303-21.00p.

Davis, Donald W.; and Barnes, Virgil J. Shoulder pad hanger assembly. 3,802,573, 4-9-74, Cl. 211-118.000.

Davis, Donald Y., to General Electric Company. Variable diffuser centrifugal pump. 3,784,318, 1-8-74, Cl. 415-158.000.

Davis, Douglas Steward, to Du Pont de Nemours, E. I., and Company. Apparatus for winding a running length of thermoplastic sheeting into a series of rolls. 3,796,388, 3-12-74, Cl. 242-56.00a.

Davis, Edward J.: *See*—
Lagrange, Don E.; Davis, Edward J.; Scheer, Eugene R.; Brewer, Ralph E.; and Hamilton, Curtis A., 3,857,042.

Davis, Edward W. Time indicating means. 3,849,978, 11-26-74, Cl. 58-50.00r.

Davis Electric Company: *See*—
Johnson, Frank B.; and Palm, Theodore O., 3,837,589.
Pepe, David L.; Palm, Theodore O.; and Johnson, Frank B., 3,841,575.

Davis, Elmer H. Incinerators for pollution free burning of solid waste materials at low cost and with reduced possibility of accidental fire setting, often, transportable, portable, and/or semi permanently located. 3,785,302, 1-15-74, Cl. 110-8.00c.

Davis, Floyd O.; and Davis, Boyce W. Shaft centering machine. 3,797,959, 3-19-74, Cl. 408-135.000.

Davis, Francis A., Jr., to Paramount Packaging Corporation. Apparatus for making plastic bags. 3,802,308, 4-9-74, Cl. 83-99.000.

Davis, Francis E., Jr.; Derr, Walter R.; and Ginter, Earle F., to Mobil Oil Corporation. Regeneration of halogen promoted bimetallic reforming catalyst. 3,835,063, 9-10-74, Cl. 252-415.000.

Davis, Fred R., to Gasdorf Tool & Machine Company, Inc. Method of inserting strips in slots. 3,802,067, 4-9-74, Cl. 29-596.000.

Davis, Gary A. Dog stanchion for automobiles. 3,797,462, 3-19-74, Cl. 119-96.000.

Davis, George A.: *See*—
Nehr, Charles W.; and Davis, George A., 3,853,208.

Davis, George B., Jr. Lug wrench. 3,799,011, 3-26-74, Cl. 81-121.00r.

Davis, George B., Jr. Plug-in type Christmas tree light. 3,805,215, 4-16-74, Cl. 339-65.000.

Davis, George B., Jr. Christmas tree lighting control. 3,808,450, 4-30-74, Cl. 307-38.000.

Davis, George B., Jr. Control for christmas tree lighting. 3,812,380, 5-21-74, Cl. 307-11.000.

Davis, George B., Jr. Pie crust form. 3,819,316, 6-25-74, Cl. 425-470.000.

Davis, George Bradley, Jr., to Products Engineering, Inc. Joist with nailing strip and positioning members. 3,813,834, 6-4-74, Cl. 52-223.000.

Davis, George Bynum, Jr. Thermal voltage control for a Christmas tree lighting spring. 3,818,264, 6-18-74, Cl. 315-72.000.

Davis, George F., Jr.: *See*—
Rogers, Robert E.; and Davis, George F., Jr., 3,816,036.

Davis, Gilbert L. Pneumo-infufflator apparatus. 3,782,363, 1-1-74, Cl. 128-2.00r.

Davis, Harry G.: *See*—
Eddy, Gaines W.; Davis, Harry G.; Beroza, Morton; and McGovern, Terrence P., 3,790,666.

Davis, Henry E., to Mobile Drilling Company, Inc. Hollow auger-driver coupling. 3,794,127, 2-26-74, Cl. 175-58.000.

Davis, Henry, Jr., to Avco Corporation. RF receiver for pneumatic tire low pressure monitoring and warning system. 3,806,869, 4-23-74, Cl. 340-58.000.

Davis, Henry, Jr.; and Church, Donald E., to Avco Corporation. Pneumatic tire low pressure monitoring and warning system. 3,810,090, 5-7-74, Cl. 340-58.000.

Davis, Herbert W. Variable width front mounted mower. 3,797,209, 3-19-74, Cl. 56-13.600.

Davis, Homer B.: *See*—
Ripley, John A.; and Davis, Homer B., 3,793,481.

Davis, Hugh J.: *See*—
Lerner, Irwin S.; Davis, Hugh J.; and Earl, Thad J., 3,834,378.

Davis, Hugh J. Method and apparatus for disease diagnosis. 3,785,366, 1-15-74, Cl. 128-2.00b.

Davis, Hugh J. Method for mechanically applying an occlusion clip to an anatomical tubular structure. 3,856,016, 12-24-74, Cl. 128-325.000.

Davis Instrument Manufacturing Co., Inc.: *See*—
Rudow, Maurice G.; and Klawans, Warren D., 3,823,611.

Davis, Ira K., to Fowler, Sam B. Cutting apparatus. 3,788,175, 1-29-74, Cl. 83-83.000.

Davis, J. Gilbert, II: *See*—
Dahl, H. Douglas; Davis, J. Gilbert, II; and Ehlers, Peter L., 3,814,480.

Davis, Jack, to Davis Building Systems, Ltd. Building frame fabricating machine. 3,822,815, 7-9-74, Cl. 227-7.000.

Davis, Jack D.: *See*—
Stonemann, Donald C.; Davis, Jack D.; and Futter, Richard E., 3,806,088.

Davis, Jack E., to Victor Comptometer Corporation. Fish lure. 3,805,436, 4-23-74, Cl. 43-42.350.

Davis, Jack E. Display case stand. 3,851,601, 12-3-74, Cl. 108-153.000.

Davis, Jack Raymond. Work clamp. 3,836,136, 9-17-74, Cl. 269-150.000.

Davis, James Alvin; and Shockley, William, to Bell Telephone Laboratories, Incorporated. Chopper devices and circuits. 3,808,515, 4-30-74, Cl. 321-69.00r.

Davis, James C.; and Grinstead, Robert R., to Dow Chemical Company, The. Membrane process for recovery of carboxylic acids from dilute aqueous solutions. 3,808,267, 4-30-74, Cl. 260-527.00r.

Davis, James E. P.: *See*—
Weigl, James; and Davis, James E. P., 3,834,383.

Davis, James Howard; and Dobson, Donald Rhea, to International Business Machines Corporation. Compromise voltage control for tracking multiple output power supply. 3,815,014, 6-4-74, Cl. 323-20.000.

Davis, James L., to Robertson, H. H., Company. Closure spacer member and method of erecting a fixed frame assembly. 3,807,107, 4-30-74, Cl. 52-99.000.

Davis, James L.; Lopke, Edward L.; and Pechous, Leslie J., to General Motors Corporation. Thermocouple amplifier. 3,821,562, 6-28-74, Cl. 307-117.000.

Davis, James L.; Lopke, Edward L.; and Pechous, Leslie Joseph, to General Motors Corporation. Gas turbine fuel control. 3,851,464, 12-3-74, Cl. 60-39.28t.

Davis, James L.; and Lopke, Edward L., to General Motors Corporation. Fuel valve control amplifier. 3,852,957, 12-10-74, Cl. 60-39.28r.

Davis, James L., to Phillips Fibers Corporation. Two-for-one twister. 3,855,773, 12-24-74, Cl. 57-58.830.

Davis, James R.: *See*—
Dart, William A.; and Davis, James R., 3,825,378.

Davis, James W., to Addressograph-Multigraph Corporation. Single sheet document feeder. 3,831,928, 8-27-74, Cl. 271-35.000.

Davis, Jeffrey L. Deodorant structure. 3,844,478, 10-29-74, Cl. 239-57.000.

Davis, Jerry P.: *See*—
Morgan, Dean T.; and Davis, Jerry P., 3,830,062.

Davis, John A.: *See*—
Argabright, Perry A.; Presley, C. Travis; and Davis, John A., 3,852,100.

Davis, John A., Jr.: *See*—
Rhudy, John S.; and Davis, John A., Jr., 3,836,465.

Davis, John Brian: *See*—
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Davis, John C.: *See*—
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Davis, John Maxwell: *See*—
Bostic, Carlton Ray; and Davis, John Maxwell, 3,814,728.

Davis, John N., Sr. Ornament with securing means. 3,831,398, 8-27-74, Cl. 63-2.000.

Davis, John P.; Harmon, Robert W.; and Woom, James T., to Chance, A. B., Company. Electrical cable connector. 3,784,729, 1-8-74, Cl. 174-73.00r.

Davis, John R., Jr.: *See*—
Heng, Terrence M. S.; Nathanson, Harvey C.; and Davis, John R., Jr., 3,796,976.

Davis, Jonathan B.: *See*—
Buckingham, Robert L.; Davis, Jonathan B.; and Herd, Harold H., 3,798,458.

Davis, Kent L.: *See*—
Huster, Edward, deceased; Janchus, Robert M.; Davis, Steven S.; Davis, Kent L.; and Hawkes, Ralph O., 3,800,953.

Davis, Larry G.: *See*—
Lamm, William R.; Davis, Larry G.; and Dworschack, Robert G., 3,821,082.

Davis, Lee W.: *See*—
Bright, Hugh H.; Davis, Lee W.; and Tanaszek, Frank J., 3,829,248.

Davis, Leonard C., to General Motors Corporation. Squeeze film bearing support movement limiting apparatus. 3,784,267, 1-8-74, Cl. 308-174.000.

Davis, Leonard P.: *See*—
Lunsford, Marvin C., Jr.; Bowers, David T.; Caldwell, Sherwood M.; Davis, Leonard P.; and Roach, Ted L., 3,841,836.

Davis, Lewis Kie, to Deere & Company. Trigger mechanism for fuel injection pump aneroid control. 3,786,794, 1-22-74, Cl. 123-139.0st.

Davis, Lon R. Coding means for photographic slide apparatus. 3,784,296, 1-8-74, Cl. 353-120.000.

Davis, Lon R. Rigid boot construction with self-cleaning sole. 3,820,255, 6-28-74, Cl. 36-2.5al.

Davis, Lon R. Ski-adapter combination, for free-style maneuvering. 3,820,802, 6-28-74, Cl. 280-11.13t.

Davis, Loren Roger; and Kirkland, Walter Dean, to Cutter Laboratories, Inc. Additive container. 3,788,524, 1-29-74, Cl. 222-209.000.

Davis, Luther, Jr.; and Holland, Melvin G., to Raytheon Company. Surface acoustic wave filter. 3,831,116, 8-20-74, Cl. 333-72.000.

Davis, Martin F.; Schwanauer, Francis J.; and Walker, Gary J., to Burroughs Corporation. Multi-mode clock recovery circuit for self-clocking encoded data. 3,831,195, 8-20-74, Cl. 360-51.000.

Davis, Marvin A. Fishing rod holder. 3,782,613, 1-1-74, Cl. 224-5.00e.

Davis, Maurice E. Drawbar steering attachment for articulated tractors. 3,851,895, 12-3-74, Cl. 280-467.000.

Davis, Merlin. Blood flow diagnostic method. 3,823,706, 7-16-74, Cl. 128-2.05f.

Davis, Michael I.: *See*—
Brown, Wendell W.; Davis, Michael I.; and Pipitone, Ralph M., 3,825,902.

Davis, Mike, to Dresser Industries, Inc. Apparatus for utilizing compatible perforating fluid in well bores. 3,856,094, 12-24-74, Cl. 175-4.520.

Davis, Moses P., Jr.: *See*—
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Davis, Murray W. Linear induction motor. 3,852,626, 12-3-74, Cl. 310-13.000.

Davis, Murray W. Composite stator concentric linear induction motor. 3,852,627, 12-3-74, Cl. 310-13.000.

Davis, Noel, to Integrated Development and Manufacturing Company. Method and apparatus for producing plants. 3,824,736, 7-23-74, Cl. 47-17.000.

Davis, Oliver Thurston; and Jones, Norman R. Display device. 3,805,432, 4-23-74, Cl. 40-219.000.

Davis, Oliver Thurston; and Jones, Norman R. Movable shower head and soap tray assembly. 3,837,013, 9-24-74, Cl. 4-145.000.

Davis, Oliver Thurston; and Jones, Norman R. Dual hydraulic jack and holding device. 3,850,409, 11-26-74, Cl. 254-89.00h.

Davis, Otho; and Gardiner, Donald A., to Cameron Athletic Corporation. Football shoe and heel plate therefor. 3,816,946, 6-18-74, Cl. 36-67.00r.

Davis, Owen R., to Allis-Chalmers Corporation. Insulated mounting for platform and cab. 3,797,604, 3-19-74, Cl. 180-89.00r.

Davis, Paul; and Shore, David N., to Sweetheart Plastics, Inc. Disposable plastic dish. 3,809,236, 5-7-74, Cl. 206-519.000.

Davis, Paul; Schneider, David; and Hollinger, Paul, to Sweetheart Plastics, Inc. Cone package. 3,835,994, 9-17-74, Cl. 206-499.000.

Davis, Paul; and Fong, Gim P., to Sweetheart Plastics, Inc. Threaded nestable container. 3,840,143, 10-8-74, Cl. 220-39.00r.

Davis, Paul Knight, to Pacific Roller Die Co., Inc. Pipe forming method. 3,857,159, 12-31-74, Cl. 29-429.000.

Davis, Pauls: *See*—
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Davis, Philip E., Jr. Well packer. 3,785,436, 1-15-74, Cl. 166-120.000.

Davis, Rachel D. Perineal retractor. 3,796,214, 3-12-74, Cl. 128-20.000.

Davis, Raehn: *See*—
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Davis, Ralph A.; and Tigner, Ronald G., to Dow Chemical Company, The. Phosphorus compounds containing stable halogen. 3,830,886, 8-20-74, Cl. 260-953.000.

Davis, Randall Scott; and Isenberg, Don Lee, to Beckman Instruments, Inc. Method of producing dextranase. 3,787,289, 1-22-74, Cl. 195-65.000.

Davis, Raymond N. Web forming machine. 3,806,394, 4-23-74, Cl. 156-475.000.

Davis, Richard A. Rotatable distributor-feeders to traveling receptacles. 3,842,967, 10-22-74, Cl. 198-140.000.

Davis, Richard C. Bullet-proof protective armor and method of making same. 3,783,449, 1-8-74, Cl. 2-2.005.

Davis, Richard C. Bulletproof protective body armor. 3,829,899, 8-20-74, Cl. 2-2.500.

Davis, Richard C. Bullet resistant under garment. 3,855,632, 12-24-74, Cl. 2-2.500.

Davis, Richard E. Removable ladder apron construction. 3,812,932, 5-28-74, Cl. 182-126.000.

Davis, Richard K.; and Conley, James W., to General Electric Company. Data processor including microprogram control means. 3,839,705, 10-1-74, Cl. 340-172.500.

Davis, Richard K.; and Gareis, Ronald E., to General Electric Company. Transponder having high character capacity. 3,855,592, 12-17-74, Cl. 343-6.8lc.

Davis, Richard P. Die for extrusion of lattice structures. 3,825,391, 7-23-74, Cl. 425-362.000.

Davis, Richard P. Exercising machine. 3,843,119, 10-22-74, Cl. 272-79.00r.

Davis, Richard Pelle; and Dickerhofe, Thomas Edward, to Du Pont de Nemours, E. I., and Company. Corrugated film having increased stiffness. 3,839,137, 10-1-74, Cl. 161-134.000.

Davis, Robert: *See*—
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Whetstone, Albert L.; Fine, Samuel; and Davis, Robert, 3,821,491.

Davis, Robert A.: *See*—
Rod, Trygve R.; Ernst, Richard J.; and Davis, Robert A., 3,823,634.

Davis, Robert B.: *See*—

Cornish, Alan H.; Delaney, Ronald E.; and Davis, Robert B., 3,831,534.

Davis, Robert C.: *See—*
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Davis, Robert Curtis: *See—*
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Clark, George Cyril, Jr.; and Davis, Robert Curtis, 3,789,360.

Davis, Robert D.; Meyer, Theodore N.; and Blizzard, Roy L., to Plasmachem, Inc. Plasma apparatus for carrying out high temperature chemical reactions. 3,840,750, 10-8-74, Cl. 250-547.000.

Davis, Robert E.: *See—*
Thorn, Herbert; and Davis, Robert E., 3,846,934.

Davis, Robert E. Hot air sealing apparatus. 3,823,106, 7-9-74, Cl. 219-373.000.

Davis, Robert F., to Corning Glass Works. Bao-cao-al203 glass compositions. 3,852,079, 12-3-74, Cl. 106-50.000.

Davis, Robert H.: *See—*
Shick, John W.; Davis, Robert H.; and Simpson, Charles A., 3,826,746.
Simpson, Charles A.; Davis, Robert H.; and Sedlak, Michael, 3,826,620.

Davis, Robert H.; and Fox, Jon E., to International Business Machines Corporation. Matrix keyboard method and apparatus. 3,786,497, 1-15-74, Cl. 340-365.00s.

Davis, Robert H. Portable electric tube light. 3,826,910, 7-30-74, Cl. 240-6.40b.

Davis, Robert L.: *See—*
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Davis, Robert T., to True Temper Corporation. Shear bumper. 3,846,910, 11-12-74, Cl. 30-271.000.

Davis, Robert W.; and Ward, James C., to A.J. Industries, Inc. Equalized suspension system for a tandem axle vehicle. 3,833,236, 9-3-74, Cl. 280-104.50b.

Davis, Roderick W., Sr., to Den-Tal-Ez Mfg. Co. Dental chair. 3,823,979, 7-16-74, Cl. 297-330.000.

Davis, Ronald I., to Sun Research and Development Co. Separation of xylenes by adsorption on partially dehydrated copper zeolites. 3,793,386, 2-19-74, Cl. 260-674.0sa.

Davis, Ronald L.: *See—*
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Davis, Ronald N., to Cannondale Corporation. Bicycle trailer. 3,829,125, 8-13-74, Cl. 280-204.000.

Davis, Royal E.: *See—*
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Davis, Royal E.; Roy, Amedee; Belleau, Claude; and Allardyce, Gordon E., to Chrysler Corporation. Method of preparing oxidation resistant materials. 3,807,030, 4-30-74, Cl. 29-460.000.

Davis, Royston H.: *See—*
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Davis, Samuel L.: *See—*
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Davis, Samuel R., Jr.; and Watson, Harry A., to Ipco Hospital Supply Corporation, mesne. Assembly blank for plastic untensils. 3,829,350, 8-13-74, Cl. 161-41.000.

Davis, Steven J.; and Domyan, Stephen L., to General Datacomm Industries. Inductor-less telephone line holding circuit giving high A.C. shunt impedances. 3,789,803, 2-5-74, Cl. 179-81.00r.

Davis, Steven S.: *See—*
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Davis, Steven S., to Envirotech Corporation. Filter elements for continuous filters. 3,825,124, 7-23-74, Cl. 210-330.000.

Davis, Steven S., to Envirotech Corporation. Media feed system for a filtration device. 3,836,006, 9-17-74, Cl. 210-387.000.

Davis, Stuart M., to ESB Incorporated. Additive for an alkaline battery employing divalent silver oxide positive active material. 3,853,623, 12-10-74, Cl. 136-20.000.

Davis, Ted C., to General Motors Corporation. Power supply control circuit for 120 volt combination washer and dryer. 3,824,813, 7-23-74, Cl. 68-12.00r.

Davis, Thomas E.: *See—*
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Davis, Thomas E.; and West, Thomas O., to Dawes Enterprises Incorporated, mesne. Apparatus for application of dyes and/or chemicals to fabrics, webs, strands of yarn, or other material. 3,785,179, 1-15-74, Cl. 68-5.00d.

Davis, Thomas J., to United States of America, Atomic Energy Commission. Differential amplifier circuits. 3,815,038, 6-4-74, Cl. 330-30.00d.

Davis, Thomas Jefferson, Jr. Supporting device. 3,848,700, 11-19-74, Cl. 182-181.000.

Davis, Thomas S. Marking float. 3,827,093, 8-6-74, Cl. 9-8.00r.

Davis Walker Corporation: *See—*
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Davis Water & Waste Industries, Inc.: *See—*
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Davis, Wilbur M.; and Yates, Robert E., to International Business Machines Corporation. Label printing machine. 3,823,665, 7-16-74, Cl. 101-66.000.

Davis, Wilbur M.; and Yates, Robert E., to International Business Machines Corporation. Label printing machine. 3,828,667, 8-13-74, Cl. 101-66.000.

Davis, Willard Parker; Golner, Jerold Julius; and Feinstein, Sumner, Sheldon, to Borden, Inc. Method of removing plasticizer mist from air. 3,852,392, 12-3-74, Cl. 264-89.000.

Davis, William A., to Vongrey, Michael L., Jr. Admixtures for filling natural and artificial subterranean voids. 3,799,787, 3-26-74, Cl. 106-287.0ss.

Davis, William Allen; and Burns, Gerald Edward, to Chicago Bridge & Iron Company. Offshore storage system. 3,791,152, 2-12-74, Cl. 61-46.000.

Davis, William F.; Russell, Ronald W.; Frederiksen, Thomas M.; and Long, Ernest L., to Motorola, Inc. Voltage and current regulator with automatic switchover. 3,786,344, 1-15-74, Cl. 323-20.000.

Davis, William F., to Motorola, Inc. Solid state current divider. 3,858,062, 12-31-74, Cl. 307-297.000.

Davis, William Folsom; and Pace, Wilson David, to Motorola, Inc. Bonding pad substructure for integrated circuits. 3,812,521, 5-21-74, Cl. 357-48.000.

Davis, William H.: *See—*
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Davis, William H., to Universal Oil Products Company. Gasoline production process. 3,785,955, 1-15-74, Cl. 208-80.000.

Davis, William O.: *See—*
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Davis, William P., to Med-Lab Computer Services, Inc. Controlling flow of medical fluids. 3,823,724, 7-16-74, Cl. 137-15.000.

Davis, William P.; and Jensen, Billy M., to Bio-Logics Products, Inc., mesne. Printing upon and encoding identification devices. 3,844,396, 10-29-74, Cl. 197-1.500.

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Davis, William R., to Chemetron Corporation. Cylindrical bellows. 3,833,245, 9-3-74, Cl. 285-226.000.

Davis, William W., to Sperry Rand Corporation. Pulse amplitude modulated signal generator. 3,846,705, 11-5-74, Cl. 325-141.000.

Davis, Woodrow W., 50% to Palmer, Bryan B. Clean air smoke scrubber. 3,853,515, 12-10-74, Cl. 55-257.000.

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Davison, Clifford C.; and Ott, Reinhold A., to Gulf Oil Corporation. Packing ring. 3,836,158, 9-17-74, Cl. 277-146.000.

Davison, Ellison L.; and Deutsch, Monroe K., to Mine Safety Appliances Company. Adjustable ear covers for safety hats. 3,815,155, 6-11-74, Cl. 2-209.000.

Davison, Ellison L.; and Menold, Robert F., to Mine Safety Appliances Company. Adjustable ear cover assembly for safety hats. 3,845,505, 11-5-74, Cl. 2-209.000.

Davison, George Robert, to Donkin, Bryan, Company Limited, The. Pivoted weight biased valve. 3,783,893, 1-8-74, Cl. 137-527.800.

Davison, George Robert, to Donkin, Bryan, Company Limited, The. Non-return valves. 3,783,894, 1-8-74, Cl. 137-535.000.

Davison, Robert W.: *See—*
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Davison, Sol; and Wales, Michael, to Shell Oil Company. Blends of certain block copolymers and neutralized copolymers of ethylene and an acrylic acid. 3,792,124, 2-12-74, Cl. 260-876.00b.

Davisson, Kenneth R.: *See—*
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Davisson, Patricia B. Breast pump. 3,822,703, 7-9-74, Cl. 128-281.000.

Davister, Armand, to Societe de Prayon. Method and device for washing a continuous filter with a horizontal filtration surface and cells. 3,830,658, 8-20-74, Cl. 134-13.000.

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Davolos, Dominick D.; Denker, Jerry B.; and Davolos, Phillip A. Method and means for the detection and identification of low level components of the electrocardiogram complex without loss of reference to the higher level components. 3,809,071, 5-7-74, Cl. 28-2.06b.

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Dawans, Francois; and Goldenberg, Emmanuel, to Institut Francais du Petrole des Carburants et Lubrifiants. Graft copolymers based on amorphous 1,2-polybutadiene. 3,801,674, 4-2-74, Cl. 260-879.000.

Dawbarn, Henry D., to Thiokol Chemical Corporation. Tufted pile fabrics and backings therefor. 3,788,364, 1-29-74, Cl. 139-420.00r.

Dawdowicz, Jan; and Ferraro, Frank A., to Warner-Lambert Company. Dispensing system for razor blade cartridges. 3,834,018, 9-10-74, Cl. 30-40.200.

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Dawdy, Jack A.; and Winkowski, Daniel A., to National Gypsum Company. Concealed fastening of predecorated wallboard. 3,816,199, 6-11-74, Cl. 156-71.000.

Dawe, Christopher; and Middleton, John David, to Marconi Instruments Limited. Oscillation generators. 3,852,682, 12-3-74, Cl. 331-4.000.

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Dawes, Dag; and Boehner, Beat, to Ciba-Geigy Corporation. Triazolylphosphonic and phosphoric esters. 3,809,701, 5-7-74, Cl. 260-308.00r.

Dawes, David Haddon, to Du Pont of Canada Limited. Fire-retardant plywood. 3,817,822, 6-18-74, Cl. 161-165.000.

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Dawes, Stanley G., to Caterpillar Tractor Company. Quick acting contact coupling. 3,826,522, 7-30-74, Cl. 285-18.000.

Dawidowicz, Jan; and Ferraro, Frank A., to Warner-Lambert Company. Method for dispensing razor blade cartridge. 3,783,493, 1-8-74, Cl. 29-400.000.

Dawidowicz, Jan; and Ferraro, Frank A., to Warner-Lambert Company. Razor having tandemly mounted blades bonded in a disposable cartridge. 3,783,510, 1-8-74, Cl. 30-32.00r.

Dawidowicz, Jan; and Ferraro, Frank A., to Warner-Lambert Company. Dispensing system for bonded razor blade cartridges. 3,785,051, 1-15-74, Cl. 30-40.200.

Dawidowicz, Jan; and Ferraro, Frank A., to Warner-Lambert Company. System for dispensing razor blade cartridges. 3,854,201, 12-17-74, Cl. 30-40.200.

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Dawidowski, Gerhard. Method and apparatus of immobilizing a fractured femur. 3,791,380, 2-12-74, Cl. 128-92.0bb.

Dawids, Steen Gamwell: *See—*
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Dawson, Carlyle Steven; and Hardman, Dorsey Lorraine, to General Electric Company. Encapsulated coil assembly. 3,848,208, 11-12-74, Cl. 336-96.000.

Dawson, Charles E., to Telephone Corporation of America. Optinal prepay coin operated telephone system. 3,842,210, 10-15-74, Cl. 179-6.30r.

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Dawson, Clarence G., to FEI, Inc. Plastic wheel assembly for overhead conveyors. 3,787,925, 1-29-74, Cl. 16-107.000.

Dawson, Clarence G., to Food Equipment, Inc. Hand wash system. 3,828,978, 8-13-74, Cl. 222-110.000.

Dawson, Clarence G., to Fei, Inc. Roller conveyor with plastic wheel assembly. 3,840,102, 10-8-74, Cl. 193-35.00r.

Dawson, David H., to Dow Chemical Company, The. Oriented plastic tube. 3,856,905, 12-24-74, Cl. 264-89.000.

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Parker, Jeffrey M.; Dawson, Edward C.; and Kramer, Anthony J., 3,815,032.

Dawson, Gary D.; and Harris, Robert S., to Chrysler Corporation. Exhaust gas recirculation control for internal combustion engines. 3,818,880, 6-25-74, Cl. 123-119.00a.

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Dawson, James R. Metal strap twisting machine. 3,796,083, 3-12-74, Cl. 72-299.000.

Dawson, Peter Hugh Bernon: *See—*
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Dawson, Robert Graham; and Sansome, Dennis Hugh, to National Research Development Corporation. Vibratory forming. 3,783,668, 1-8-74, Cl. 72-283.000.

Dawson, Rosette D. Protein synthesis game. 3,804,417, 4-16-74, Cl. 273-134.0ae.

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Day, Albert J.: *See—*
Correll, Quentin E.; Chamness, Leland D.; Rudin, Melvin; and Oudijk, Tommy A., 3,838,640.
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White, James E.; Correll, Quentin E.; Swain, Allan L.; Talbot, Leo Robert; Collado, Ernest E.; and Oudijk, Tommy A., 3,806,707.

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Day, Edmund. Method of forming graduations and other markings on a surface-coated metal article. 3,846,263, 11-5-74, Cl. 204-129.650.
Day, Edmund P.; Fairbank, William M.; and Opfer, James E., to Leland Stanford Junior University, The Board of Trustees of the. Method and apparatus for detecting nuclear magnetic resonance. 3,826,972, 7-30-74, Cl. 324-.50r.
Day, Elaine Hilda: *See—*
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Day, John Charles; and Tack, Carl Edward, to AMSTED Industries Incorporated. Railway coupler. 3,854,599, 12-17-74, Cl. 213-100.00r.
Day, John H.: *See—*
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Day, John J.; and Hirschman, Paul S., to Ocean Portein Corporation. Apparatus for growing crustaceans. 3,797,458, 3-19-74, Cl. 119-2.000.
Day, John R. Illuminated fish lure. 3,828,177, 8-6-74, Cl. 240-6.40f.
Day, John T., to USM Corporation. Process for forming backed microporous sheet. 3,793,102, 2-19-74, Cl. 156-78.000.
Day, John Thomas, to USM Corporation. Mixer-emulsators. 3,807,703, 4-30-74, Cl. 259-7.000.
Day, Leon E., 50% to Easley, C. F. Device for electrically exterminating rodents. 3,792,547, 2-19-74, Cl. 43-98.000.
Day, Lois I. Oxygenator support. 3,857,910, 12-31-74, Cl. 261-65.000.
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Day, Richard P.: *See—*
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Day, Robert H.; and Blyth, James, to ITW Limited and Mars Limited. Containers. 3,850,361, 11-26-74, Cl. 229-1.50b.
Day, Robert L.: *See—*
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Day, Robin, to Hille International Limited. Tip-up seating. 3,850,476, 11-26-74, Cl. 297-335.000.
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Day, Thomas L., to Connor Engineering Corporation. Smudge eliminating variable volume selective pattern control air diffuser. 3,818,815, 6-25-74, Cl. 98-40.00d.
Day, Thomas L., to Connor Engineering Corporation. Ceiling air diffuser. 3,848,799, 11-19-74, Cl. 236-49.000.
Day, Wendall E. Temperature and humidity control and apparatus for residential buildings. 3,786,859, 1-22-74, Cl. 165-21.000.
Day, William A.: *See—*
Molloy, Bryan B.; Tuttle, Ronald R.; and Day, William A., 3,839,450.
Day, William H., to General Electric Company. Power augmenter bucket tip contruction for open-circuit liquid cooled turbines. 3,816,022, 6-11-74, Cl. 416-92.000.
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Rogers, Jerry W., 3,800,611.
Smith, Kenneth C., 3,844,214.
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Thomas, James R.; North, George E.; and Brooks, Alden W., 3,839,116.
White, Jack D., Jr.; and Miranti, Joseph P., Jr., 3,853,017.
Dayet, Jacques; Bastide, Pierre; and Besson, Marcel, to Delle-Alsthom. Circuit breaker with automatic ice removal means on contact bar. 3,842,221, 10-15-74, Cl. 200-52.00r.
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Dayne, Eddy K.; and Land, Wilbur G., to Bagdad Plastics Company. Gate valve seal. 3,829,061, 8-13-74, Cl. 251-328.000.
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Days-Ease Home Products Corporation: *See—*
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Stevens, Harry A.; and Randolph, Allan E., Sr., 3,848,496.
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De Regnaucourt, Robert A.; and Caudill, Fred R., 3,811,733.
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De Regnaucourt, Robert A., 3,811,735.
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Rike, Russell E., 3,800,923.
Walther, William D.; and Deregnaucourt, Robert A., 3,787,076.
Walther, William D.; and De Regnaucourt, Robert A., 3,811,732.
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Walther, William D.; and De Regnaucourt, Robert A., 3,843,200.
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Dayus, Lloyd Giddis. Duct access door. 3,854,248, 12-17-74, Cl. 49-504.000.
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DCA Food Industries, Inc.: *See—*
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Kaufman, Harold B., Jr.; Roth, Howard; and McCarthy, John P., 3,807,919.
Kaufman, Harold B., Jr.; McCarthy, John P.; and Schiffmann, Robert F., 3,854,024.
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De Andrea, Joseph D. Device for demonstrating and calculating trigonometric functions. 3,826,021, 7-30-74, Cl. 35-34.000.
De Angelis, Andrea Lucio. Method for the elimination and possible recovery of the floating polluting substances, mineral oils in particular, from sheets of water and boat fitted to this aim. 3,788,481, 1-29-74, Cl. 210-242.000.
De Angelo, Michael Anthony, to Western Electric Company, Incorporated. Method of improving the adherence of a metal deposit to a polyimide surface. 3,791,848, 2-12-74, Cl. 117-47.00a.

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De Barbadillo, John Joseph, II, to International Nickel Company, Inc., The. High strength low cost steel for use at cryogenic temperatures. 3,811,873, 5-21-74, Cl. 75-123.00k.
De Barbieri, Augusto, to Instituto Sieroterapico Milanese "Serafino Belfanti" Ento Morale. Mannich bases of tetracyline and polypeptides. 3,814,746, 6-4-74, Cl. 260-112.500.
De Barbieri, Joseph L., to Beth-Con Realty, Inc. Safety barrier. 3,848,854, 11-19-74, Cl. 256-65.000.
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De Beers Consolidated Mines Limited: *See—*
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De Beers Industrial Diamond Division Limited: *See—*
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de Beixedon, Philip C. Fishing pole device. 3,803,744, 4-16-74, Cl. 43-15.000.
De Bel, John. Scrubbing device. 3,805,314, 4-23-74, Cl. 15-222.000.
De Belder, Maurice Hector; Bollen, Romain Henri; and Natens, Luc Yves, to Agfa-Gevaert N.V. X-ray image viewer. 3,796,916, 3-12-74, Cl. 315-151.000.
De Bell & Richardson, Inc.: *See—*
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De Bellis, Anthony B. Refractometer gauge. 3,850,528, 11-26-74, Cl. 356-133.000.
De Benneville, Peter L., to Rohm & Haas Company. N-acylated peptides of amino aromatic acids and their derivatives. 3,801,562, 4-2-74, Cl. 260-112.500.
De Benneville, Peter L.; Godfrey, William J.; and Sims, Homer J., to Rohm & Haas Company. Method for the direct acylation of aminobenzoic acids. 3,804,821, 4-16-74, Cl. 260-112.500.
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De Biasse, Richard L., to Automotive Engineering Research, Inc. Internal combustion engine with closed crankcase and intake valve cover operating under vacuum. 3,839,996, 10-8-74, Cl. 123-119.00b.
de Bie, Edouard, to Metallurgie Hoboken-Overpett. Casting of deoxidized copper. 3,785,427, 1-15-74, Cl. 164-154.000.
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De Blois, Ralph W.: *See—*
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De Boer, Jan, to U.S. Philips Corporation. Electric vibrator motor. 3,840,760, 10-8-74, Cl. 310-36.000.
De Boer, Jan J.; and Borsten, Herman, to Nederlandse Organisate voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer. Preparing cotton material with improved tensile strength retention properties. 3,822,994, 7-9-74,Cl. 8-125.000.
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De Bont, Paulus Maria; and Van Liefland, Willem, to U.S. Philips Corporation. Spark erosion device having arc detecting means. 3,812,317, 5-21-74, Cl. 219-69.00p.
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De Bot, Laurentius Antonius Peter Maria, to U.S. Philips Corporation. Magneto-optical transducer using bubble domains. 3,824,570, 7-16-74, Cl. 340-174.0yc.
De Brecht, Robert Eugene; and Napoli, Louis Sebastian, to RCA Corporation. Microwave transmission line and devices using multiple coplanar conductors. 3,835,421, 9-10-74, Cl. 333-26.000.
De Brick, Eric, to West Virginia Armature Company. Electrical coupling with pressure contacts and multiple conductance paths. 3,789,346, 1-29-74, Cl. 339-89.00r.
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De Bussy, Jacques Marie Yves Le Clerc. Method for producing objects from a molten ceramic product. 3,812,226, 5-21-74, Cl. 264-6.000.
De Cadenet, Jean-Jacques, to Ugine Aciers. Welded austenitic nickel chromium steels. 3,785,786, 1-15-74, Cl. 29-196.100.
De Capite, Robert T.: *See—*
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De Carbon, Christian Bourcier. Pistons for hydraulic shock absorbers. 3,844,389, 10-29-74, Cl. 188-322.000.
De Caro, Aristide R.; and Rainone, Nicholas J., to Westinghouse Electric Corporation. Combination fuse-mount support for projection lamps. 3,796,914, 3-12-74, Cl. 315-74.000.
De Caro, Charles J., to Textron, Inc. Tire stud. 3,804,142, 4-16-74, Cl. 152-210.000.
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De Cerjat, Aymon A.; and Millet, Claude M., to Dubied, Edouard, & Cie S.A. Installation for the control of knitting machines. 3,844,139, 10-29-74, Cl. 66-50.00r.
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de Chassy, Christian; and Capdeboscq, Andre, to Entreprise de Recherches et d'Activites Petrolieres (ELF). System for mooring ships to structures. 3,783,816, 1-8-74, Cl. 114-230.000.
De Chicchis, Antoni; Fennell, Harry C., Jr.; and Schwartz, David M., to ARK-Environmental Research Inc. Building structure. 3,789,562, 2-5-74, Cl. 52-648.000.
De Cicco, Michael A., to Sundstrand Heat Transfer, Inc. Method of making heat exchanger. 3,833,986, 9-10-74, Cl. 29-157.30a.
De Clercq, Willy J. C., to Neratoom, N.V. Heat exchanger. 3,799,257, 3-26-74, Cl. 165-171.000.
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De Coene, Frans J. G. C.; and Muijs, Cornelis G. M., to Clayson N.V. Cleaning device shielding means in combine harvesters. 3,847,160, 11-12-74, Cl. 130-27.00t.
De Coene, Frans J. G. C., to Clayson N.V. Combine harvester. 3,857,400, 12-31-74, Cl. 130-27.00t.
De Coene, Frans Jozef; and Hill, Edward Williman Rowland, to Sperry Rand Corporation. Crop feeding means for an axial flow combine having side by side threshing units. 3,794,047, 2-26-74, Cl. 130-27.00t.
De Corso, Serafino M.; Hussey, Charles E., Jr.; and Ambrose, Michael J., to Westinghouse Electric Corporation. System for reducing nitrogen-oxygen compound in the exhaust of a gas turbine. 3,826,080, 7-30-74, Cl. 60-39.550.
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De Cremiers, Bertrand; and Chateau, Georges, to Societe Anonyme: Engins Matra. Process and installation for the connection of a cable or flexible pipe to an underwater guide column. 3,795,114, 3-5-74, Cl. 61-69.000.

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De Faccio, Paul L.; and West, Harold H., to Harbor Island Machine Works, Inc. Food tray covering machine. 3,834,120, 9-10-74, Cl. 53-298.000.

De Favere, Gianfrance, to Grob & Co. Aktiengesellschaft. Rail bearing for a warp stop motion. 3,794,084, 2-26-74, Cl. 139-369.000.

De Felice, Stephen L. Carnitine-and its use in the treatment of arrhythmia and impaired cardiac function. 3,830,931, 8-20-74, Cl. 424-319.000.

De Feo, Angelo, to Curtiss-Wright Corporation. Diaphragm and labyrinth seal assembly for gas turbines. 3,824,030, 7-16-74, Cl. 415-136.000.

de Feudis, Sergio, to Aktiebolaget Svenska Flaktfabriken. Apparatus for the intermittent transferring of packaged refuse or laundry articles. 3,813,127, 5-28-74, Cl. 302-27.000.

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De Fusco, Ernest L., to General Motors Corporation. Locking mechanism for a tilting vehicle seat. 3,819,142, 6-25-74, Cl. 248-397.000.

De Garcia, Horacio J., Jr.; and Zimmerman, Vincent H., to McDonnell Douglas Corporation. Nested toroid nozzle apparatus. 3,835,643, 9-17-74, Cl. 60-230.000.

De Gaudemaris, Gabriel: *See—*
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De Geest, Wilfried Florent, to Agfa-Gevaert N.V. Apparatus for the control of charge on a moving web. 3,787,706, 1-22-74, Cl. 317-2.00r.

De Gier, Nico: *See—*
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De Gioia, Peter A.; and Sutton, Charles B., to General Motors Corporation. Bearing seal. 3,784,268, 1-8-74, Cl. 308-187.200.

de Gouville, Jean Bernard, to Etablissements Sourdillon, Matricage et Robinetterie de Precision. Gas burners, especially for domestic appliances. 3,825,404, 7-23-74, Cl. 431-354.000.

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De Graaf, Wilhelmus Polycarpus; and Baars, Jacob Dirk, to U.S. Philips Corporation. Method of making combustion flash bulb. 3,823,994, 7-16-74, Cl. 316-26.000.

de Graff, David, to de Graff, Joan L. Protective enclosure for plants. 3,800,468, 4-2-74, Cl. 47-28.000.

de Graff, Joan L.: *See—*
de Graff, David, 3,800,468.

De Gregory, Donald Lee, to Bell Telephone Laboratories, Incorporated. Push-pull fluidic logic element and drive unit. 3,789,883, 2-5-74, Cl. 137-824.000.

De Groot, Jacob: *See—*
Lathouwers, Franciscus Johannes Maria; and De Groot, Jacob, 3,829,806.

de Groot, Robert, to N.V. Industrieele Handelscombinatie Holland. Artificial island formed of hingedly interconnected pontoons. 3,792,538, 2-19-74, Cl. 37-67.000.

De Groot, Willibrordus Theodorus Maria, to Lever Brothers Company. Isomerization of 1,2-diglycerides to 1,3-diglycerides. 3,845,087, 10-29-74, Cl. 260-410.700.

De Haan, Edward Fokko: *See—*
Johanns, Johannes Hendricus Maria; De Boer, Thijs Johannes; De Haan, Edward Fokko; Van Gelder, Zeger; and Mattheij, Mathieu Martinus Maria Petrus, 3,836,810.

De Haan, Michael; and Cohen, Lawrence. Grease extractor. 3,827,985, 8-6-74, Cl. 210-179.000.

De Hartog, Jan F., to Fokker-V.F.W. N.V. Open framework, especially for building purposes. 3,788,024, 1-29-74, Cl. 52-648.000.

De Haven, Howard E.: *See—*
Hruda, Robert M.; and De Haven, Howard E., 3,826,950.

De Hollander, William R.: *See—*
Dada, Abdul G.; and De Hollander, William R., 3,796,672.

De Hollander, William R., to General Electric Company. Conversion of uranium hexafluoride to uranium dioxide structures of controlled density and grain size. 3,819,804, 6-25-74, Cl. 423-261.000.

De Hollander, William Roger; and Klepfer, Harold Holmes, to General Electric Company. Conversion of uranium hexafluoride to uranium dioxide structures of controlled density and grain size. 3,786,120, 1-15-74, Cl. 264-.500.

de Jager, Frank: *See—*
Widmer, Walter; and de Jager, Frank, 3,806,810.

De Jager, Frank; Van Der Wurf, Peter; Van Gerwen, Josephus; Sluyter, Robert Johannes; and Snijders, Wilfred Andre Maria, to U.S. Philips Corporation. System for automatic equalization. 3,845,390, 10-29-74, Cl. 325-42.000.

De Jarlais, Gordon M., to Lear Siegler, Inc. Condensate disposal system. 3,797,269, 3-19-74, Cl. 62-280.000.

De Jarnett, Jean R., to Brush Wellman Inc. Process for the annealing of precipitation hardening alloys. 3,841,922, 10-15-74, Cl. 148-13.200.

De Jesus, Ben L. Draftsman's cross-hatching triangle instrument. 3,792,532, 2-19-74, Cl. 33-104.000.

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De Jong, Dirk W., to Fokker-V.F.W. Right angled connection for building elements. 3,798,859, 3-26-74, Cl. 52-259.000.

De Jong, Gerrit: *See—*
Burger, Jacobus J.; De Jong, Gerrit; and Den Boer, Gradus J. J., 3,782,528.

De Jong, Maarten C.; and Gutowski, Antoni P., to Stanley Works, The. Level vial station assembly. 3,835,549, 9-17-74, Cl. 33-379.000.

De Jong, Martijn: *See—*
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De Jong, Nicolaas Johannes; and Middelkamp, Mannes Arie, to U.S. Philips Corporation. Coil former for a transformer. 3,787,792, 1-22-74, Cl. 336-192.000.

De Jonge, Cornelis R. H. I.; Mijs, William J.; and Hageman, Hendrik J., to Akzo N.V. Stabilization of organic substances that are liable to peroxidic decomposition. 3,835,095, 9-10-74, Cl. 260-45.85s.

De Jonge, Frederik Ate, to U.S. Philips Corporation. Magnetic domain store. 3,787,825, 1-22-74, Cl. 340-174.0yc.

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De Julio, Robert. Fishing rod holder. 3,837,109, 9-24-74, Cl. 43-15.000.

De Keyser, Edmond Joannes Jozef: *See—*
Verhagen, Johannes Gerardus; De Keyser, Edmond Joannes Jozef; Claes, Jan Cyrille Martin; and Willems, Gerardus Antonius Maria, 3,851,137.

De Keyser, Richard A.: *See—*
Bailey, John M.; Kranc, Stanley J.; and De Keyser, Richard A., 3,788,546.

De Keyser, Rudiger; and Depuydt, Andre, to UCB Societe Anonyme. Method of manufacturing a laminate by means of a solventless adhesive. 3,840,419, 10-8-74, Cl. 156-309.000.

De Konig, Jan; and van der Veen, Romke. Wave motion compensating assembly for suction dredger. 3,826,023, 7-30-74, Cl. 37-58.000.

De Koninck, Alphose. Sewing machine. 3,791,325, 2-12-74, Cl. 112-213.000.

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De Koning, Joseph G.: *See—*
Overall, Wilson W.; and De Koning, Joseph G., 3,836,846.

De Kort, Gijsbertus Maria Arnolds Josephus: *See—*
Westendorp, Frans Frederik; Luiten, Willem; and De Kort, Gijsbertus Maria Arnolds Josephus, 3,821,034.

de la Cierva, Juan J. Electrostatic discharging system. 3,821,603, 6-28-74, Cl. 317-2.00d.

de la Fuente Burton, Jorge, to Plastotecnica, S.A. Integral clamp for hydraulic connections. 3,844,590, 10-29-74, Cl. 285-197.000.

De La Mare, Harold E., to Shell Oil Company. Vulcanizable selectively hydrogenated block copolymer compositions. 3,823,203, 7-9-74, Cl. 260-876.00b.

De La Mare, Harold E., to Shell Oil Company. Diene block copolymers. 3,830,880, 8-20-74, Cl. 260-879.000.

de la Pena, Ramon: *See—*
Celada, Juan; Pena, Jesus Maria; MacKay, Patrick W.; de la Pena, Ramon; Martinez, Enrique Ramon; and de la Torre, Maria Teresa, 3,827,879.

de la Querantonnais, Maitre Jacques Mahot: *See—*
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De La Rue Giori S.A.: *See—*
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De La Serviere, Hobert. Process of manufacturing cotton. 3,802,838, 4-9-74, Cl. 8-137.000.

De La Taillade, Jean; and Degraves, Jacques. Alarm system for divers. 3,798,629, 3-19-74, Cl. 340-279.000.

de la Torre, Maria Teresa: *See—*
Celada, Juan; Pena, Jesus Maria; MacKay, Patrick W.; de la Pena, Ramon; Martinez, Enrique Ramon; and de la Torre, Maria Teresa, 3,827,879.

de la Torriente, Leandro J.; and Crainich, Victor A., Jr., to National Cash Register Company, The. Continuous encapsulation. 3,812,056, 5-21-74, Cl. 252-316.000.

De La Vega, Mario Castro. Supporting structure for disposable tissue dispenser. 3,843,085, 10-22-74, Cl. 248-311.000.

De Laittre, Earle W.; deceased (by Timberg, William P.; executor). Therapeutic pillow. 3,829,917, 8-20-74, Cl. 5-338.000.

De Lanauze, Jacques. Die sawing machine. 3,808,934, 5-7-74, Cl. 83-747.000.

De Lancey, Warren H.; and Cooperridge, Myron T., to Beckett, R. W., Corporation. Power burner. 3,820,943, 6-28-74, Cl. 431-265.000.

De Lancey, Warren H. Drive transmission. 3,845,623, 11-5-74, Cl. 60-425.000.

De Land, Charles L.: *See—*
Heller, George L.; Eckert, Frank J.; De Land, Charles L.; and Dingman, Robert W., 3,787,562.

De Laney, George B.; and Shannon, Robert D., to Ebonex Corporation. Black pigment and method of making same. 3,837,874, 9-24-74, Cl. 106-307.000.

De Langis, Philip A. Socket ground line testing apparatus. 3,821,639, 6-28-74, Cl. 324-51.000.

De Laurentis, Peter; and Newman, Douglas A., to Columbia Ribbon & Carbon Manufacturing Co., Inc. Thermographic copy sheets and process. 3,847,645, 11-12-74, Cl. 117-36.900.

De Laval Separator Company, The: *See—*
Heitman, Richard G., 3,834,407.

De Laval Turbine California, Inc.: *See—*
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De Laval Turbine, Inc.: *See—*
Pedersen, Haakon O., 3,823,950.
Rusak, Vasil, 3,788,765.

De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges; Meyer, Jean-Claude; Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis; Charpentier, Jacques Georges; and Jacquot, Alain, to SKF Compagnie d'Applications Mecaniques. Method ofmaking low friction bearings and bearings made therefrom. 3,825,982, 7-30-74, Cl. 29-149.5nm.

De Lea, Anne C.: *See—*
Rush, Robert L.; Leon, Luis P.; and De Lea, Anne C., 3,819,488.

De Lepeleire, Guido A., to Danfoss A/S. Bag diaphragms and bag diaphragm operated air dampers. 3,845,783, 11-5-74, Cl. 137-504.000.

De Lepeleire, Guido Amandus, to Danfoss A/S. Bag diaphragms and bag diaphragm operated air dampers. 3,804,364, 4-16-74, Cl. 251-43.000.

de l'Eprevier, Ludovic Grandin; and Brecy, Andre Achille, to Societe Industrielle Honeywell Bull. Control circuit for chopped feeding. 3,823,360, 7-9-74, Cl. 321-18.000.

De Lesseux, de Bazelaire Jacques: *See—*
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De Lettre, John C. Tool for putting socks on feet. 3,806,008, 4-23-74, Cl. 223-111.000.

De Lew, Charles A.: *See—*
Ostrowski, Edwin A.; and De Lew, Charles A., 3,784,154.

De Ligt, John, to Westvaco Corporation. Accordion, folding and cutting apparatus. 3,784,188, 1-8-74, Cl. 270-79.000.

De Lille, Richard A.; and Erickson, Frederick E., to Gulf & Western Industries, Inc. Traffic signal controller. 3,828,616, 8-13-74, Cl. 74-112.000.

De Line, John W.: *See—*
De Line, John W.; and Ida, Nobel N. (said Nobel, Ida N., assor. to said), 3,794,206.

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De Livois, Guy Baudelet, to Controle Bailey (Societe Anonyme). Fuel gas flow-meter corrector equipment for gases having variable characteristics. 3,783,684, 1-8-74, Cl. 73-190.000.

de Llano, Mary Duarte. Reflective means used in connection with fluorescent tubes or lamps. 3,829,677, 8-13-74, Cl. 240-51.11r.

De Loach, Bernard Collins, Jr.; Niehaus, William Charles; and Seidel, Thomas Edward, to Bell Telephone Laboratories, Incorporated. Method for fabricating a double drift diode. 3,822,153, 7-2-74, Cl. 148-1.500.

De Long, Donald C.: *See—*
Gerzon, Koert; Ryan, Charles W.; and De Long, Donald C., 3,790,673.

De Long, W. Bradford: *See—*
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De Longchamp, Jacques-Albert Huot, to Sable Freres International. Suspension device for a vehicle seat. 3,826,457, 7-30-74, Cl. 248-399.000.

De Lorenzo, Joseph F.: *See—*
Reed, Joseph; and De Lorenzo, Joseph F., 3,809,815.

De Luca, Anthony F.; Creach, Eugene F.; and Jones, Michael H. Tank holder and transporter. 3,817,435, 6-18-74, Cl. 224-45.0aa.

De Luca, Carlo Bruno, to International Telephone and Telegraph Corporation. Insert mounting tool and method of using same. 3,807,028, 4-30-74, Cl. 29-426.000.

De Luca, Paul V., to Porta Systems Corporation. Compartmentalized accessory tray assembly for ladders. 3,842,936, 10-22-74, Cl. 182-129.000.

De Luca, Paul V., to Porta Systems Corporation. Line surge protection device for telephone lines. 3,852,539, 12-3-74, Cl. 179-174.000.

De Luca, Robert D., to Corning Glass Works. Ionic treatment of glass optical waveguide fibers. 3,788,827, 1-29-74, Cl. 65-30.000.

De Luca, Robert D., to Corning Glass Works. Magnesium and magnesium oxide resistor and method of forming. 3,808,574, 4-30-74, Cl. 338-258.000.

De Luca, Robert D., to Corning Glass Works. Impedance element with magnesium reaction terminal contact and method. 3,810,068, 5-7-74, Cl. 338-274.000.

De Luca, Robert David; Keck, Donald Bruce; and Maurer, Robert Distler, to Corning Glass Works. Heat treating optical waveguides for OH ion removal. 3,782,914, 1-1-74, Cl. 65-3.000.

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Trabocco, Ronald E.; and De Luccia, John J., 3,847,558.

De Lyria, Karl G., 50% to Dutton, Hayward H., trustee of the Hilda Trusts 1-9, inclusive, 50% to Schulein, Joseph and Schulein, Margaret A. Apparatus for interpreting numerically coded pulse grouplins in a line. 3,852,718, 12-3-74, Cl. 340-164.00r.

De Mallie, Howard R.: *See—*
Kachioff, Yuval; and De Mallie, Howard R., 3,806,015.

De Marchi, Giovanni; and Scolastico, Carlo, to Laboratorio Prodotti Biologici Braglia S.p.A. Method of making 11alpha- or 11beta-hydroxy-18-nor-17-alpha- alkyl-17beta-methylandrosta-4,13-diene-3-ones. 3,799,955, 3-26-74, Cl. 260-397.450.

De Marco, Fortunato: *See—*
Morelli, Morello; and De Marco, Fortunato, 3,857,894.

De Marco, Franco; and Manghi, Carlo A., to Societa Italiana Telecomunicazioni Siemens S.p.A. System for detecting dial-generated and pushbutton generated selection pulses. 3,828,141, 8-6-74, Cl. 179-84.0vf.

De Marco, Joseph V.: *See—*
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De Marco, Michael, to Produits Chimiques Ugine Kuhlmann. Tri (isopropyl)phenyl phosphates. 3,787,537, 1-22-74, Cl. 260-953.000.

De Marco, Richard, to Clairol Incorporated. Stable oil-in-water emulsion hair dye composition. 3,811,830, 5-21-74, Cl. 8-10.100.

De Marinis, Robert M.; and Hoover, John R. E., to Smithkline Corporation. Trifluoromethylmercaptoacetamidocephalosporins. 3,828,037, 8-6-74, Cl. 260-243.00c.

De Martelaere, David L., to Colt Industries Operating Corporation. Metering exhaust gas recirculation apparatus and system. 3,828,746, 8-13-74, Cl. 123-119.00a.

De Mathe, Leslie L. Drafting instrument. 3,835,542, 9-17-74, Cl. 33-109.000.

De Meer, Jan: *See—*
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De Meester, Emiel Petrus Juliaan: *See—*
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De Meo, Attilio A.: *See—*
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De Messimy, Philipps R. Des Rioux; Erichsen, Herman W.; and Webb, Raymond C., to Tyco Laboratories, Inc. Object detecting apparatus. 3,805,061, 4-16-74, Cl. 250-209.000.

De Mestral, George. Paring knife. 3,805,386, 4-23-74, Cl. 30-278.000.

De Mets, Albert, to De Mets N.V. Konstrukteinerkhuizen Kloosterstraat. Press for continuously producing chip board, fiber board or the like. 3,795,470, 3-5-74, Cl. 425-371.000.

De Mets N.V. Konstrukteinerkhuizen Kloosterstraat: *See—*
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De Meux, Patrick Delaage; and Gourdon, Claude, to Societe Lignes Telegraphiques et Telephoniques. Automatic equalizing amplifiers for the transmission of digital signals. 3,857,048, 12-24-74, Cl. 307-264.000.

De Monsy, Richard L.; and Hankins, Norman K., to Hexcel Corporation. Method and apparatus for constructing insulated cable pressure blocks. 3,823,250, 7-9-74, Cl. 174-23.00r.

De Montgolfier, Arnaud: *See—*
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de Montigny, Armand; Schnurrbusch, Karl; Seyfried, Klaus; and Noll, Walter, to Bayer Aktiengesellschaft. Process for the production of tris-(trimethylsiloxy)-phenylsilane. 3,836,558, 9-17-74, Cl. 260-448.20e.
de Montigny, Armand; and Buchner, Werner, to Bayer Aktiengesellschaft. Process for the manufacture of tris-(trimethylsiloxy)-phenylsilane. 3,843,702, 10-22-74, Cl. 260-448.20e.
De Moore, Howard W. Sheet handling apparatus. 3,791,644, 2-12-74, Cl. 271-80.000.
De Morgan, Tita Zuccaro. Device for supporting and delivering containers in a controlled form. 3,786,958, 1-22-74, Cl. 221-67.000.
De Mott, John C., to Xerox Corporation. Fire detecting device for a photographic printing machine. 3,804,516, 4-16-74, Cl. 355-133.000.
De Moude, Adrian J. Pin attachment means for surgical bow. 3,809,074, 5-7-74, Cl. 128-84.00r.
De Muylder, Jean-Marie, to Societe D'Etudes et de Realisations. 3-Substituted-4-hydroxy-coumarins. 3,835,161, 9-10-74, Cl. 260-343.20r.
De Nardo, Frank, to Rockwell International Corporation. Display character pattern. 3,831,166, 8-20-74, Cl. 340-336.000.
de Niet, Edmond, to U.S. Philips Corporation. Method of converting image signals generated in a non-interlaced manner into image signals interlaced in accordance with a television standard. 3,832,487, 8-27-74, Cl. 178-7.200.
De Nio, Emanuel H., to Woolsey Marine Industries, Inc. Marine antifouling paints. 3,794,501, 2-26-74, Cl. 106-15.0af.
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De Nora, Oronzio; and De Nora, Vittorio, to De Nora, Oronzio, Impianti Elettrochimici S.p.A. Electrolysis cell with permeable valve metal anode and diaphragms on both the anode and cathode. 3,809,630, 5-7-74, Cl. 204-98.000.
De Nora, Oronzio, Impianti Elettrochimici S.p.A.: *See*—
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De Noyer, Donald B., to Beloit Corporation. Hopper with interlocked charging door. 3,841,502, 10-15-74, Cl. 214-17.00b.
De Palma, James John: *See*—
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De Palma, Peter D.; and Loux, Joseph J., to Menley & James Laboratories, Ltd. Compositions and method for removing and retarding dental plaque and calculus with 8-hydroxyquinoline sulfate. 3,793,447, 2-19-74, Cl. 424-54.000.
De Panafieu, Philippe: *See*—
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de Panafieu, Philippe; and Castor, Edward Earl. Connector for use between an underwater wellhead and a bearing surface. 3,848,898, 11-19-74, Cl. 285-61.000.
De Pasquale, Matthew J.: *See*—
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De Paul, Alseno S., to Westinghouse Electric Corporation. Rotor for dynamoelectric machines. 3,832,584, 8-27-74, Cl. 310-211.000.
De Pauw, Agnes Desiree Maria: *See*—
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De Pauw, Richard A.; and Stamp, Tom G., to International Harvester Company. Axle adjusting mechanism for agricultural machines. 3,820,618, 6-28-74, Cl. 180-70.00r
De Pauw, Robert C. Color blending set and paint mixing tray. 3,815,265, 6-11-74, Cl. 35-28.500.
De Penti, Kenneth L., to Midland-Ross Corporation. Rotary operated coupler locklift mechanism. 3,834,553, 9-10-74, Cl. 212-166.000.
De Penti, Kenneth L., to Midland-Ross Corporation. Railway car coupler. 3,856,154, 12-24-74, Cl. 213-110.000.
De Phillips, James V.; and Karka, Ronald O., to Continental Can Company, Inc. Non-detachable tear strip and pull tab structure for easy opening container. 3,796,344, 3-12-74, Cl. 220-54.000.
De Plasse, Noel. to Sublistatic Holding S.A. Temporary supports, their preparation and their use in dry dyeing and in dry printing by hot transfer. 3,813,218, 5-28-74, Cl. 8-2.500.
De Pradenne, Henri Vayson; and Marcdargent, Serge, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Electrical insulation compound, particularly for high power high tension coils to be used in rotating electrical machinery, and insulation material utilizing said composition. 3,823,200, 7-9-74, Cl. 260-831.000.
De Putter, Warner Jan, to Industriele Onderneming Wavin N.V. Pipe coupling. 3,791,678, 2-12-74, Cl. 285-110.000.
De Putter, Warner Jan, to Industriele Onderneming Wavin N.V. Pipe connecting piece and pipe connection obtained by means thereof. 3,796,447, 3-12-74, Cl. 285-235.000.
De Puy, Donald C.: *See*—
Hyman, Maxwell; and De Puy, Donald C., 3,846,027.
De Puydt, Frank A.; and Conradi, Eugene P., to Dico Company, Inc. Method and apparatus for stabilizing a caster wheel against whip action. 3,817,548, 6-18-74, Cl. 280-89.000.
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de Radzitzky d'Ostrowick, Pierre M.J.G.: *See*—
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De Regnaucourt, Robert A., to Dayton Steel Foundry Company, The. Clamp lugs and carrier ring for a rim and wheel assembly. 3,790,217, 2-5-74, Cl. 301-12.00r.
De Regnaucourt, Robert A.; and Caudill, Fred R., to Dayton Steel Foundry Company, The. Retained fastening elements for a rim and wheel assembly. 3,811,733, 5-21-74, Cl. 301-12.00r.
De Regnaucourt, Robert A.; and Caudill, Fred R., to Dayton Steel Foundry Company, The. Spacer for a dual rim and spoked wheel assembly. 3,811,734, 5-21-74, Cl. 301-13.0sm.
De Regnaucourt, Robert A., to Dayton Steel Foundry Company, The. Positioned clamp lugs for a dual rim and wheel assembly. 3,811,735, 5-21-74, Cl. 301-13.00r.
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De Weck, Alain: *See*—
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Deal, Stanley E. Cinch. 3,805,491, 4-23-74, Cl. 54-23.000.

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Dean, Frank J., Jr., to Tempmaster Corporation. Duct pressure actuated variable volume device. 3,817,452, 6-18-74, Cl. 236-49.000.

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Dean, Harrison Martin. Stop gauges with handle mounted indicator and lockout means. 3,783,720, 1-8-74, Cl. 82-34.00a.

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DeAndrea, Joseph D. Device for demonstrating and calculating mathematical functions. 3,835,298, 9-10-74, Cl. 235-61.0gm.

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Deane, Edward V.: *See*—
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Deane, Nicholas B. Rotary driving. 3,825,375, 7-23-74, Cl. 418-61.00a.

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Deaton, Clarence M.: *See*—
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Deaton, David W., to Deaton Medical Company, mesne. Sterile liquid entraining system. 3,809,080, 5-7-74, Cl. 128-194.000.

Deaton, David W., to Deaton Medical Company. Medical suction apparatus. 3,814,098, 6-4-74, Cl. 128-276.000.

Deaton, David W., to Medical Concepts Inc. Inflatable patient enclosures. 3,818,896, 6-25-74, Cl. 128-1.00b.

Deaton, David W.; Brower, Stephen M.; and Durham, Marhsall P., Jr., to Deaton Medical Company. Disposable safety float valve. 3,848,628, 11-19-74, Cl. 137-434.000.

Deaton, James M.; and Deaton, Clarence M., to Vendmart, Inc. Vending machine dispensing module tray. 3,831,807, 8-27-74, Cl. 221-85.000.

Deaton Medical Company: *See*—
Deaton, David W., 3,814,098.
Deaton, David W.; Brower, Stephen M.; and Durham, Marhsall P., Jr., 3,848,628.

Deaton Medical Company, mesne: *See*—
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Deaton, Thomas M., to Otis Engineering Corporation. Well tools. 3,845,818, 11-5-74, Cl. 166-224.000.

Deau, William J., to Contemporary, Inc. Picture frame and plaque. 3,842,525, 10-22-74, Cl. 40-159.000.

Deauviala, Jean-Pierre: *See*—
Carre, Rene; Deauviala, Jean-Pierre; and Paille, Jean, 3,787,778.

Deb, Satyendra Kumar, to American Cyanamid Company. Variable high transmission device. 3,829,196, 8-13-74, Cl. 350-160.00r.

Debaets, Michael P., to Columbia Gas System Service Corporation. System for printing out the metered flow of a fluid daily or for other predetermined periods of time. 3,790,952, 2-5-74, Cl. 346-33.00r.

Debaigt, Jean, to CGEE Alsthom. Connection terminal with screw type tightener. 3,803,534, 4-9-74, Cl. 339-95.00r.

Debaigt, Jean, to CGEE Alsthom. Device for fixing an object on a wall. 3,830,454, 8-20-74, Cl. 248-27.000.

Debaigt, Jean, to CGEE Alsthom. Terminal box containing a printed circuit card. 3,833,839, 9-3-74, Cl. 317-118.000.

Debaillie, Arnold A.: *See*—
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,816,985.
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,824,772.

DeBano, John, Jr.; and Noll, James L., to General Motors Corporation. Occupant restraint cushion assembly and method of manufacture. 3,810,654, 5-14-74, Cl. 280-150.0ab.

Debart, Hubert, to Compagnie Generale d'Electricite. Frequency modulation telemetry system. 3,825,340, 7-23-74, Cl. 356-5.000.

Debart, Hubert, to Compagnie Generale d'Electricite. Doppler effect telemeter including frequency shifting. 3,841,755, 10-15-74, Cl. 356-28.000.

Debat, Jacques, to Institut de Recherches Chimiques et Biologiques Appliquees (I.R.C.E.B.A.). Halogenated benzylphenols having bacteriostatic activity. 3,787,507, 1-22-74, Cl. 260-619.00a.

Debat, Jacques, to Institut de Recherches Chimiques et Biologiques Appliquees (I.R.C.E.B.A.). 2-Benzylphenols. 3,830,852, 8-20-74, Cl. 260-619.00r.

Debat, Jacques, to Institut de Recherches Chimiques et Biologiques Appliquees (I.R.C.E.B.A.). Halogenated dibenzylphenols and their preparation. 3,833,672, 9-3-74, Cl. 260-619.00a.

Debat, Jacques, to Societe a Responsabilite Limitee dite: Institut de Recherches Chimiques ET Biologiques Appliquees, I.R.C.E.B.A. 2-4-Halobenzyl phenols and preparation thereof. 3,855,317, 12-17-74, Cl. 260-619.00r.

Debat, Jacques, to Laboratories du Dr. Debat. Prunus africana extract. 3,856,946, 12-24-74, Cl. 424-195.000.

Debeau, Jean H.: *See*—
Minet, Roger P.; Debeau, Jean H.; and Thepault, Ernest L., 3,857,114.

Debeaux, Pierre. Compasses. 3,781,995, 1-1-74, Cl. 33-27.00f.

DeBell, Lawrence R.; and Price, David D., Jr., 1/3 to Economy Company, The, 1/3 to Price, David D., Jr. and 1/3 to Price, Ford C., mesne. Drive means for effecting pivotal vertical movement of a transducer head into operative position. 3,833,922, 9-3-74, Cl. 360-105.000.

Debenedetti, Guglielmo, to Insit S.p.A. Method of forming gaskets. 3,801,406, 4-2-74, Cl. 156-306.000.

Debergh, Philippe; and Lagrange, Maurice, to Commissariat a l'Energie Atomique. Sampling selector for burst can localization. 3,806,409, 4-23-74, Cl. 176-19.0ld.

Debero Kogyo Co., Ltd.: *See*—
Tachii, Muneuki, 3,791,150.

DeBieuvre, Michel: *See*—
Charmeil, Pierre; and DeBieuvre, Michel, 3,828,152.

DeBoer, Charles D., to Eastman Kodak Company. Photosensitive element comprising polymers with cyclopropenyl groups and process. 3,782,938, 1-1-74, Cl. 96-35.100.

Deboer, Charles D., to Eastman Kodak Company. Synthesis of novel benzopyran compounds. 3,796,727, 3-12-74, Cl. 260-345.200.

DeBoer, Harry F.; and Spowart, Joseph A. N., to Servicemaster Hospital Corporation. Laundry hamper stand. 3,787,072, 1-22-74, Cl. 280-79.100.

DeBoer, Jacob, to U.S. Philips Corporation. Noise reduction circuit. 3,813,559, 5-28-74, Cl. 307-237.000.

Debonnet, Alphonse. Installation for programmed dyeing of threads, ribbons and similar. 3,813,902, 6-4-74, Cl. 68-19.100.

Debonte, Cornelius, Jr.: *See*—
Wahl, Eugene A.; Debonte, Cornelius, Jr.; and Winters, Ralph J., 3,786,961.

DeBortoli, George; and Lukas, Helmut Hans, to Northern Electric Company Limited. Connecting block with hinged terminal means. 3,784,728, 1-8-74, Cl. 174-60.000.

DeBrecht, Robert Eugene; and Napoli, Louis Sebastian, to RCA Corporation. Microwave transmission line and devices using multiple coplanar conductors. 3,798,575, 3-19-74, Cl. 333-10.000.

DeBrecht, Robert Eugene; and Napoli, Louis Sebastian, to RCA Corporation. Microwave transmission line and devices using multiple coplanar conductors. 3,848,198, 11-12-74, Cl. 330-56.000.

DeBrey, Robert J. Particle flow monitor. 3,842,791, 10-22-74, Cl. 116-67.00r.

Debroka, Robert Lee: *See*—
Butler, Arthur Devon; Debroka, Robert Lee; Moyer, Horace Bradley; and Yinger, Robald Lee, 3,826,358.

Debrowski, Stanley F. Manually actuated ball mixing and dispensing device. 3,856,312, 12-24-74, Cl. 273-144.00a.

Debrunner, Hans Ulrich. Device for the measurement of the angle of kyphosis. 3,815,247, 6-11-74, Cl. 33-75.00r.

Debs, Victor, to Levolor Lorentzen, Inc. Venetian blind. 3,795,266, 3-5-74, Cl. 160-168.000.

Debs, Victor, to Levolor Lorentzen, Inc. Venetian blind. 3,795,267, 3-5-74, Cl. 160-168.000.

Debs, Victor, to Levolor Lorentzen, Inc. Venetian blind having a cord lock which is actuated upon full raising of the blind. 3,799,236, 3-26-74, Cl. 160-178.00c.

Debs, Victor, to Levolor Lorentzen, Inc. Inclined-plane venetian-blind installation. 3,818,969, 6-25-74, Cl. 160-168.000.

Debski, Thomas R.; and Gaudio, Joseph G., to United States of America, Air Force. Spiral antenna stripline termination. 3,825,933, 7-23-74, Cl. 343-895.000.

Debus, Henri R.: *See*—
Cahen, Raymond M.; Debus, Henri R.; and Aga, Rene L., 3,827,974.

Debus, Henri Robert: *See*—
Aga, Rene Leon; and Debus, Henri Robert, 3,801,629.

Debus, Manfred: *See*—
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DEC International Inc.: *See*—
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Peters, Norman J., 3,853,241.
Petranyi, John F., 3,815,792.

Decalock Limited: *See—*
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Decamps, Alain: *See—*
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DeCaro, David P.; and Gronceski, Gerald A., to National Steel Corporation. Process for producing non-silicon bearing electrical steel. 3,819,426, 6-25-74, Cl. 148-120.000.

DeCat, Arthur Henri: *See—*
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Decca Limited: *See—*
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DeCenzo, Herbert A. Connector assembly for terminal junction system. 3,784,963, 1-8-74, Cl. 339-198.0pt.

Dechantsreiter, Max J.; and Rau, Frederic W., to Harnischfeger Corporation. Automatic warehouse crane. 3,830,379, 8-20-74, Cl. 214-16.40a.

DeChassy, Christian; and Capdebosco, Andre, to Entreprise de Recherches et d'Activites Petrolieres (ELF). Device for off-centering above-water articulated multiple-drilling structures. 3,789,921, 2-5-74, Cl. 166-.500.

Dechaumet, Armand: *See—*
Aries, Robert; Dechaumet, Armand; and Dupre, Paul, 3,814,061.

Dechaux, Claude, to Thomson-CSF. Speech-systhesiser. 3,830,977, 8-20-74, Cl. 179-1.0sa.

Dechelette, Helen, to AMP Incorporated. Electrical connector and contact therefor. 3,821,693, 6-29-74, Cl. 339-217.00s.

Dechelette, Helen, to AMP Incorporated. Electrical connector tab receptacle. 3,842,391, 10-15-74, Cl. 339-32.00r.

Dechenaux, Victor; and Drouet, Francoise, to Saft-Societe des Accumulateurs Fixes et de Traction. Lithium electrochemical generator. 3,796,605, 3-12-74, Cl. 136-6.0ln.

Decis, Mario. Automatic pilot device. 3,811,395, 5-21-74, Cl. 114-144.00r.

Decision Data Corporation: *See—*
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Miller, Robert J.; and Dorfman, Walter, 3,840,751.

Deck, Denis L., to E-Systems Inc. Electronic tacan azimuth stabilization. 3,823,400, 7-9-74, Cl. 343-106.00r.

Deck, Fritz; and Keim, Norbert. Device for guiding a flat paint brush. 3,824,647, 7-23-74, Cl. 15-248.00r.

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Deck, James R.; and Howells, Norman C., to Exomet Incorporated. Method and apparatus for pre-heating structural shapes for welding. 3,807,077, 4-30-74, Cl. 432-10.000.

Deckard, Emmett S., 20% to Lee, Raymond, Organization, Inc., The. Concealed pistol mounting. 3,793,759, 2-26-74, Cl. 42-1.00k.

Deckard, John I., to General Motors Corporation. Electromagnetic thrusters. 3,805,203, 4-16-74, Cl. 335-239.000.

Deckas, Peter C., to Dexon, Inc. Room air cleaner. 3,802,168, 4-9-74, Cl. 55-473.000.

Deckel, Friedrich, Aktiengesellschaft: *See—*
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Decker, Alfred, to Centre de Recherches Metallurgiques. Process for oxygen refining of pig iron. 3,791,814, 2-12-74, Cl. 75-60.000.

Decker, Alfred S.; Duff, John R.; and Heier, Robert J., to Owens-Illinois, Inc. Article handling apparatus. 3,845,851, 11-5-74, Cl. 198-22.00r.

Decker, Arthur L.: *See—*
Vennard, William O.; and Decker, Arthur L., 3,794,044.

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Decker, Donald Leon, to Stauffer Chemical Company. Composite laminate. 3,814,658, 6-4-74, Cl. 161-77.000.

Decker, Edmund C., Jr.: *See—*
Boyle, Jamie N.; and Decker, Edmund C., Jr., 3,854,374.

Decker, Hanns; Stockmann, Helmut; and Hurtmanns, Heinz, to Klockner-Humboldt-Deutz Aktiengesellschaft. Gyratory crusher with hydraulic adjustment of the crusher gap. 3,782,647, 1-1-74, Cl. 241-215.000.

Decker, Hanns; Jakobs, Willy; and Stockmann, Helmut, to Klockner-Humboldt-Deutz Aktiengesellschaft. Gyratory crusher with hydraulic adjustment and hydro-pneumatic overload safety device. 3,801,026, 4-2-74, Cl. 241-215.000.

Decker, Hanns; and Hurtmanns, Heinz, to Klockner-Humboldt-Deutz Aktiengesellschaft. Method for the maintenance for the 0 & 91 pressure in a circulation lubrication system for highly loaded journal bearings. 3,837,430, 9-24-74, Cl. 184-1.00e.

Decker, Hanns; and Hurtmanns, Heinz, to Klockner-Humboldt-Deutz Aktiengesellschaft. Gyratory crusher with hydraulic means for lifting the upper part of the housing from the lower part. 3,837,585, 9-24-74, Cl. 241-213.000.

Decker, Herbert; and Jung, Friedrich, to Triumph Werke Nuernberg A.G. High speed printer. 3,797,387, 3-19-74, Cl. 101-93.00c.

Decker, Herbert, to Triumph Werke Nuernberg, A.G. Mounting means for single element type carrier. 3,800,934, 4-2-74, Cl. 197-52.000.

Decker, Herbert, to Triumph Werke Nuernberg A.G. Printing apparatus in data issuing instrumentalities. 3,807,301, 4-30-74, Cl. 101-110.000.

Decker, Herbert, to Triumph Werke Nuernberg A.G. Type head tilt and rotating mechanism. 3,825,102, 7-23-74, Cl. 197-55.000.

Decker, Herbert, to Triumph Werke Nuernberg, A.G. Final positioning mechanism for single element type carrier. 3,838,764, 10-1-74, Cl. 197-52.000.

Decker, Jackson; and Russell, Harding M., to Etnyre, E. D., & Company. Vehicle-mounted spray apparatus. 3,853,272, 12-10-74, Cl. 239-155.000.

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Decker, Willis W.: *See—*
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Deckert, Andreas, to Siemens Aktiengesellschaft. Electrical capacitors with vented closures. 3,812,280, 5-21-74, Cl. 174-52.00s.

Deckert, Robert, to Sir Steak Machinery, Inc. Means for cutting and tenderizing meats. 3,786,536, 1-22-74, Cl. 17-25.000.

DeClaire, James H.: *See—*
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Declaye, Joseph: *See—*
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Declerco, Maurice G. Self-tailing winch. 3,841,606, 10-15-74, Cl. 254-150.00r.

Deco Products Company: *See—*
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Deco Products Company; consisting of Charles, Andrew H., Henderson, Thomas J., Atkinson, Guy F., Company and Henderson, James A., Corporation: *See—*
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DeCock, Etienne Marie, to Agfa-Gevaert N.V. Device for sensing a moving sheet material for imperfections. 3,800,148, 3-26-74, Cl. 250-562.000.

Decoene, Frans J. G. C.: *See—*
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Decor Manufacturing Co., Inc.: *See—*
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DeCoster, Maureen H.: *See—*
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DeCoster, Richard L.; and DeCoster, Maureen H. Camper-compact bus combination structure and method of assembling same. 3,801,150, 4-2-74, Cl. 296-23.00r.

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DeCoulos, John, to Boston Machine Works Co. Apparatus for applying welting to a shoe component. 3,824,643, 7-23-74, Cl. 12-67.00k.

DeCourcy, Rowland J. J., to Douglas-Rownson Limited. Conveyors. 3,814,233, 6-4-74, Cl. 198-127.00r.

Decraene, Denis F., to Diamond Shamrock Corporation. Finely divided RUO_2/plastic matrix electrode. 3,798,063, 3-19-74, Cl. 117-230.000.

Decruyenare, Trudo M. J.: *See—*
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Decupper, Jean Alexandre, to Detec S.A. Apparatus for disinfecting an area with formaldehyde. 3,816,074, 6-11-74, Cl. 21-110.000.

Dedek, Frank G., to Burroughs Corporation. Method for forming articles from powdered metal. 3,790,374, 2-5-74, Cl. 75-208.00r.

Dederer, Roland; Jahns, Erwin; Maier, Herbert; Moser, Joachim; and Vierling, Karl-Heinz, to Eltro GmbH & Co. Indirect binocular ophthalmoscope. 3,847,470, 11-12-74, Cl. 351-6.000.

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DeDiemar, Ronald B., to Barber-Greene Company. Jaw crusher die mounting. 3,804,345, 4-16-74, Cl. 241-264.000.

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Dee, Roger, to National Research Development Corporation. Endoprosthetic elbow joint. 3,852,831, 12-10-74, Cl. 3-1.000.

Deebel, George F.; Doden, Bernard M.; and Morris, Myron J., to Magnavox Company, The. Telethermometer transmitter. 3,851,191, 11-26-74, Cl. 307-310.000.

Deed, Donald W.; and Lukk, George G., to Esso Research and Engineering Company. Method of producing jet fuel by upgrading light catalytic cycle oil. 3,799,869, 3-26-74, Cl. 208-211.000.

Deeg, Emil W.; and Graf, Robert E., to American Optical Corporation. Laser glasses with high damage threshold and method of making such glasses. 3,830,749, 8-20-74, Cl. 252-301.40f.

Deeg, Helmut, to Sulzer Brothers Ltd. Gas-tight valve lid. 3,817,490, 6-18-74, Cl. 251-58.000.

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Deem, Brian C.: *See—*
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Deeran, Robert H., to Polaroid Corporation. Film loop control system for sound motion pictures. 3,832,044, 8-27-74, Cl. 352-14.000.

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Dehar, David C., to Ford Motor Company. Valve assembly. 3,811,650, 5-21-74, Cl. 251-144.000.

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Dehler, Bernhard, to Metallwerk Max Brose & Co. Electrically operated window lifting mechanism. 3,851,533, 12-3-74, Cl. 74-89.000.

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Dehne, Manfred F. Cyclone separator. 3,802,570, 4-9-74, Cl. 210-304.000.

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Del Bono, Mario, to Possis Corporation. Armature winding machine with improved lead staking means. 3,818,570, 6-25-74, Cl. 29-205.00c.

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Delahunty, Terry Wayne, to Chicago Bridge & Iron Company. System for reliquefying boil-off vapor from liquefied gas. 3,800,550, 4-2-74, Cl. 62-54.000.
Delaire, Georges, to Creusot-Loire. Installation for extraction of dust from fumes emitted from a mixer. 3,841,615, 10-15-74, Cl. 266-15.000.
Delalande S.A.: *See—*
Fauran, Claude P.; Turin, Michel J.; Raynaud, Guy M.; and Thomas, Janine M., 3,796,703.
Fauran, Claude P.; Douzon, Colette; Huguet, Gerard J.; Raynaud, Guy M.; and Bailly, Yves A., 3,798,218.
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; and Pourrias, Bernard M., 3,816,415.
Fauran, Claude P.; Douzon, Colette; Raynaud, Guy M.; and Sergant, Micheline Y., 3,821,215.
Fauran, Claude P.; Raynaud, Guy M.; Eberle, Jeannine A.; Pourrias, Bernard M.; La Foret, Meudon; and Le Cloarec, Alberty Y., 3,845,046.
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; Pourrias, Bernard M.; and Bourgery, Guy B., 3,850,937.
Fauran, Claude P.; Turin, Michel J.; Raynaud, Guy M.; and Gouret, Claude J., 3,852,284.
Delalio, George M. Synchronously shiftable dual range planetary transmission with coaxial input shafts. 3,855,879, 12-24-74, Cl. 74-687.000.
Delamater, Charles E.; Obermiller, Herbert C.; and Kryah, John C., to Diebold, Incorporated. Deal drawer safety device. 3,828,698, 8-13-74, Cl. 109-19.000.
Delamater, George B.: *See—*
Cornelius, Edward B.; Delamater, George B.; Koester, David W.; and McEvoy, James E., 3,786,001.
Delamater, George B.; and Milligan, Barton, to Air Products and Chemicals, Inc. Purification of spent sulfuric acid. 3,856,673, 12-24-74, Cl. 210-63.000.
Delamater, William B. Sprinkler feeder for lawn food. 3,845,902, 11-5-74, Cl. 239-314.000.
Delamere & Williams Company, Limited: *See—*
Brooke, Arthur Alan, 3,837,474.
Brooks, Arthur Alan, 3,815,316.
Hunter, Donald Arthur, 3,792,724.
Hunter, Donald Arthur, 3,826,061.
Delanair Limited: *See—*
Fowler, Gordon, 3,850,234.
DeLancey, Warren H.; and Weisman, Donald, to Flood Control Valve Company. Sumpless pump. 3,782,860, 1-1-74, Cl. 417-41.000.
Delancey, Warren H.; and Weisman, Donald, to Flood Control Valve Company. Under floor pumping means. 3,807,900, 4-30-74, Cl. 417-40.000.
DeLancey, Warren H. Oil burner pump. 3,850,548, 11-26-74, Cl. 417-220.000.
Delaney, Arthur Allison: *See—*
Michel, Bernard; and Delaney, Arthur Allison, 3,817,383.
Delaney, Edward J. Tap with replaceable cutting insert. 3,829,921, 8-20-74, Cl. 10-141.00r.
Delaney, Glenn Allen, Jr.; and Jones, Robert Wayne, to Dresser Industries, Inc. Exhaust muffler for pneumatic tools. 3,809,179, 5-7-74, Cl. 181-36.00a.
Delaney, Keith P.: *See—*
Heussy, William C.; Vetor, Earl L.; Delaney, Keith P.; and Hyde, Paul E., 3,845,737.
Delaney, R. Edward; and Cornish, Alan H., to Koehler-Dayton, Inc. Sewerage treatment system. 3,815,159, 6-11-74, Cl. 4-10.000.
Delaney, Ronald E.: *See—*
Cornish, Alan H.; Delaney, Ronald E.; and Davis, Robert B., 3,831,534.
Delaney, Thomas J.: *See—*
Allen, Charles A.; Bryant, Richard W.; Delaney, Thomas J.; Dhaka, Vir A.; Meade, Robert M.; and Wharmby, James D., 3,787,837.
DeLang, Hendrik; and Velzel, Christiaan Hendrik Frans, to U.S. Philips Corporation. Apparatus for reconstructing an image of an object which image has been recorded in holographic form. 3,810,687, 5-14-74, Cl. 350-3.500.
Delano, Charles G. Apparatus for cementing well bore casing. 3,828,852, 8-13-74, Cl. 166-78.000.
Delano, Roger A.: *See—*
Schofield, J. Allan; and Delano, Roger A., 3,833,507.
Delano, Roger Albert: *See—*
Schofield, John Allan; and Delano, Roger Albert, 3,785,987.
Delano, Wendell N.: *See—*
Chiu, Thomas T.; and Delano, Wendell N., 3,839,257.
Delanty, John T.; and Lincoln, David, to Kimberly-Clark Corporation. System and method for obtaining closure of sterile backed surgical gowns. 3,843,971, 10-29-74, Cl. 2-114.000.
Delany, Edward B.; and Mayo, Ralph E. Electron bombardment ion source for a mass spectrometer having a nonspecular inner surface. 3,812,367, 5-21-74, Cl. 250-427.000.
Delany, John J.; and Liebmann, John M., to Research Products Corporation. High performance filter assembly. 3,789,589, 2-5-74, Cl. 55-481.000.
Delapierre, Gilles, to Commissariat a l'Energie Atomique. Method of linear measurement of a variation in capacitance and corresponding digital-display device. 3,805,149, 4-16-74, Cl. 324-60.00c.
Delapp, Darwin Fiske: *See—*
Ramsey, Wallace Burton; and Delapp, Darwin Fiske, 3,846,382.
Delaquila, Gary; and Bercier, John R., to Minnesota Mining and Manufacturing Company, mesne. Display sign structure. 3,786,585, 1-22-74, Cl. 40-125.00h.
Delarge, Jacques E.; Thunus, Leopold Nicolas Joseph Victor; Lapiere, Charles-Leon Albert; and Georges, Andre Henri Eugene, to Christiaens, A., Societe Anonyme. 2-Meta-trifluoromethylanilino-pyridine-5-N-acetyl sulfonamide. 3,819,639, 6-25-74, Cl. 260-294.8f.
Delasanta, Armando C.: *See—*
Miles, Thomas D.; and Delasanta, Armando C., 3,791,854.
Delatorre, Leroy C.; and Rapson, William J., to Uson Corporation. Portable gas leak detector. 3,786,675, 1-22-74, Cl. 73-27.00r.
Delatorre, Leroy C.; Rapson, William J., Jr.; and Lemson, Paul H., to Uson Corporation. Leak testing apparatus. 3,800,586, 4-2-74, Cl. 73-49.200.
Delatronchette, Claude, to Elf-Union S.A. Method for operating modulated burners actuated by an emulsion. 3,837,784, 9-24-74, Cl. 431-4.000.
Delattre, Michel: *See—*
Sarot, Pierre; Delattre, Michel; and Decamps, Alain, 3,816,319.
Delattre-Levivier: *See—*
Dorville, Robert, 3,831,911.
Delaux, Robert: *See—*
Champleboux, Jacques; and Delaux, Robert, 3,799,825.
Champleboux, Jacques; and Delaux, Robert, 3,822,870.
Delauzun, Robert, to Societe Anonyme: Seperef-TMP Societe pour l'Equipment des Reseaux en Canalisations de Matieres Plastiques. Retractable mandrel for bulging out and forming an annular peripheral groove in plastic tubes. 3,852,016, 12-3-74, Cl. 425-393.00.
Delaval Turbine, Inc.: *See—*
Bachman, Albert J., 3,826,139.

Miller, Alan H., 3,806,693.
Moore, Edward H., 3,857,277.
DeLaval Turbine Inc., mesne: *See—*
Sennet, Morgan B.; and Bond, Morton K., 3,804,565.
Delavan Manufacturing Company: *See—*
Conrad, Sherman E.; and Bintner, Dennis W., 3,836,076.
Wayne, Alex, 3,793,690.
Delavarenne, Serge Y., to Union Carbide Corporation. Synthesis of cyclic ketals. 3,795,682, 3-5-74, Cl. 260-340.900.
Delay, Dennis G., to United States of America, Navy. Intensity control for light-emitting diode display. 3,787,752, 1-22-74, Cl. 315-169.00r.
Delay, Elbert A.: *See—*
Fox J. C.; and Delay, Elbert A., 3,841,339.
Delbag-Luftfilter Gesellschaft mit beschrankter Haftung: *See—*
Neumann, Gerhard Max; and Wittemeier, Hans-Joachim (said Neumann assor. to), 3,808,777.
Neumann, Gerhard Max, 3,816,984.
Neumann, Gerhard Max, 3,834,131.
Delbar Products, Inc.: *See—*
Holzman, James W., 3,833,198.
Delbrouck, Franz; and Nickel, Wilfried, to Freya-Plastic & Franz Delbrousk. Transportation crate for plastic cups and containers. 3,791,549, 2-12-74, Cl. 220-2.100.
Delcano, Henry H.; Demchak, William M.; and Jakubowski, Marek, to International Business Machines Corporation. Apparatus for separating and feeding documents. 3,785,640, 1-15-74, Cl. 271-90.000.
Delekto, Paul J.; Mehaffey, William H.; and Smith, Karl H., to Ethyl Corporation. Apparatus for delivering fluid suspension to a forming unit. 3,802,966, 4-9-74, Cl. 162-343.000.
Delente, Jacques J., to Monsanto Company. Process for the preparation of heat resistant neutral protease enzyme. 3,796,635, 3-12-74, Cl. 195-65.000.
Deleo, Louis: *See—*
Gronner, Alfred D.; and Deleo, Louis, 3,831,168.
DeLeo, Louis P., to Singer Company, The. Phase sensitive demodulator which automatically compensates for variations in the AC reference voltage. 3,811,093, 5-14-74, Cl. 329-146.000.
DeLepeleire, Guido Amandus, to Danfoss A/S. Flexible diaphragm air damper. 3,853,143, 12-10-74, Cl. 137-494.000.
Delerue, Dominique Michel. Support arrangement for a hank of thread, and hanks equipped with said support. 3,794,263, 2-26-74, Cl. 242-127.000.
Delesdernier, Mark. Apparatus for weighing draughts of bulk material. 3,853,190, 12-10-74, Cl. 177-105.000.
Delest, Rene, to Societe Ulmer & Co. Harness for rapidly placing in position a device such as a respirator mask. 3,792,702, 2-19-74, Cl. 128-146.700.
Deleu, Robert P., to Reliance Electric Company. Bearing structure. 3,806,210, 4-23-74, Cl. 308-127.000.
Deleuil, Michel: *See—*
Meiller, Francois; and Deleuil, Michel, 3,839,385.
Deleuze, Bernard; and Ragot, Jean-Claude, to Burroughs Corporation. Electro-mechanical printer. 3,839,957, 10-8-74, Cl. 101-93.00c.
Delf, Gerhard; and Schommarz, Gunther, to Volkswagenwerk Aktiengesellschaft. Circuit arrangement for fuel heating device. 3,820,938, 6-28-74, Cl. 431-78.000.
Delf, Glenn A.: *See—*
Ellis, Ray G.; and Delf, Glenn A., 3,792,734.
Delfeld, William H., to Boeing Company, The. Waterjet steering and reversing mechanism. 3,807,346, 4-30-74, Cl. 115-12.00r.
Delfino, Frank; and Pool, Robert E. Rotary engine. 3,837,323, 9-24-74, Cl. 123-8.330.
Delfino, Willie. Hay rake tooth and mounting base. 3,834,140, 9-10-74, Cl. 56-400.000.
Delfosse, Pierre, to Omya S.A. Pigment for coating paper and manufacture thereof. 3,798,047, 3-19-74, Cl. 106-306.000.
Delgadilli, Joseph A.: *See—*
Naseth, Dwight D.; and Delgadilli, Joseph A., 3,833,443.
Delgado, Alberto: *See—*
Sale, Howard James; Delgado, Alberto; and Doyle, Carroll Francis, 3,800,031.
Delgado, Manuel M. Exothermic gas generator. 3,826,623, 7-30-74, Cl. 23-281.000.
Delgendre, Jacques Claude; and Guigot, Vincent Louis Eugene, to L'Etat Francais Delegation Ministerielle pour l'Armement Direction Technique des Armements Terrestres. Pyrotechnic circuit maker or breaker. 3,803,374, 4-9-74, Cl. 200-61.080.
Delgendre, Jacques Claude; Guigot, Vincent Louis; and Marchandise, Victor Felix, to Etat Francais represente par le Ministre Charge de la Defense National Delegation Ministerielle pour l'Armement. Device for generating signals by emitting shock waves. 3,83,949, 9-3-74, Cl. 102-1.00r.
Delgendre, Jacques Claude; Kerrenneur, Alain Rogar; and Berton, Georges Albert, to Etat Francais. Process and apparatus for detecting of the presence of a liquid. 3,847,547, 11-12-74, Cl. 23-230.001.
DelGiudice, Frank Paul: *See—*
Koleske, Joseph Victor; Roberts, Rene Marie-Joseph; and DelGiudice, Frank Paul, 3,825,620.
Delgrego, Donald J.: *See—*
United States of America, National Aeronautics and Space Administration, 3,856,402.
Delhaye, Jean; Vauarchex, Paul; and Furlan, Roger, to Jeumont-Schneider. Process and installation for drying fibrous cellulose materials. 3,802,090, 4-9-74, Cl. 34-9.000.
Delhommois, Joseph: *See—*
Lehmann, Gerard; and Delhommois, Joseph, 3,796,606.
DeLimon Fluhme & Co.: *See—*
Kurten, Fritz; and Saretzky, Horst, 3,783,973.
Deline, John W. Method of reducing emission of pollutants in exhaust gas from an internal combustion engine and material therefor. 3,787,328, 1-22-74, Cl. 252-427.000.
Delisle, Gaston A. Silent alarm system and means for directing airborne personnel to emergency site. 3,798,375, 3-19-74, Cl. 179-2.00r.
Delisle, Jean-Paul; and Sauvage, Michel, to Commissariat a l'Energie Atomique. Device for providing a tight seal between two fluids at different temperatures. 3,807,772, 4-30-74, Cl. 285-41.000.
Delisle, Jules; Deschenes, Pierre A.; and Leroux, Adrien, to Consulab Inc. Demand meter with limit indicator. 3,805,158, 4-16-74, Cl. 324-157.000.
Delisle, Jules; and Baillargeon, Victor, to Universite de Sherbrooke. System for conducting automatically an audiometric test. 3,809,811, 5-7-74, Cl. 179-1.00n.
Delkor Industries, Inc.: *See—*
Klund, Robert N.; and Sorenson, Merle H., 3,810,407.
Dell, Curtis G.: *See—*
Janzen, Dennis W.; and Dell, Curtis G., 3,828,607.
Dell Holdings Limited: *See—*
Elias, Murray A., 3,822,850.
Elias, Murray A., 3,848,851.
Dell, M. Benjamin; Haupin, Warren E.; and Russell, Allen S., to Aluminum Company of America. Metal production. 3,822,195, 7-2-74, Cl. 204-64.000.
Della Torre, Edward; and Dimyan, Magid, to Canadian Patents and Development Limited. Magnetic domain propagation plate with minimized temperature sensitivity. 3,827,035, 7-30-74, Cl. 340-174.0tf.
Dell'Aquila, Joseph L., to Wendros Company. Omnidirectional aircraft. 3,801,047, 4-2-74, Cl. 244-19.000.
Dellasala, Frank. Method of introducing liquid doses. 3,835,874, 9-17-74, Cl. 137-15.000.
delle Porta, Paolo; Giorgi, Tiziano; Kindl, Bruno; and Zucchinelli, Mario, to S.A.E.S. Getters S.p.A. Process for producing a capacitor. 3,813,266, 5-28-74, Cl. 117-212.000.
Delle-Alsthom: *See—*
Dayet, Jacques; Bastide, Pierre; and Besson, Marcel, 3,842,221.
Thuries, Edmond, 3,848,103.
Delli-Gatti, Frank A., Jr., to Lee-Norse, Company. Mining machine. 3,817,579, 6-18-74, Cl. 299-68.000.
Delli-Gatti, Frank A., Jr., to Lee-Norse Company. Mining machine having rotary motor extended cutter head. 3,844,618, 10-29-74, Cl. 299-64.000.
Dellian, Kurt A.; and Lee, Samuel, to Ciba-Geigy Corporation. Dyeing synthetic hydrophobic fibers with lower alkyl biphenyl carriers. 3,787,181, 1-22-74, Cl. 8-174.000.
Dellian, Kurt A.; and Furia, Thomas A., to Ciba-Geigy Corporation. Coloring hydrophobic fibers using carrier of halogenated hydroxybiphenylether. 3,816,071, 6-11-74, Cl. 8-173.000.
Dellian, Kurt A.; Weiskopf, Marvin; and Lee, Samuel, to Ciba-Geigy Corporation. Use of solid carrier for dyeing hydrophobic fibers. 3,820,952, 6-28-74, Cl. 8-173.000.
Delligatti, Patrick. Biased return coding drum. 3,808,970, 5-7-74, Cl. 101-35.000.
Delmag-Maschinenfabrik Reinhold Dornfeld: *See—*
Haussmann, Albert, 3,802,405.
Kummel, Fritz, 3,822,969.
Mozdzanowski, Joachim, 3,846,037.
Delmar Chemicals Limited: *See—*
Podesva, Ctirad; Kohan, Geza; and Scott, William T., 3,808,230.
Podesva, Ctirad; and Do Nascimento, Jose Maria, 3,821,221.
Podesva, Ctirad; and Vagi, Kitty, 3,842,094.
Podesva, Ctirad; and Solomon, Carola, 3,855,294.
Delmar, John Kenneth, to Crystal-X Corporation. Cartridge pack for trash compaction machine. 3,785,406, 1-15-74, Cl. 138-103.000.
Delmar, John Kenneth, to Crystal-X Corporation. Cartridge pack for trash compaction machine. 3,815,649, 6-11-74, Cl. 150-1.000.
Delmas, Robert: *See—*
Foex, Marc; Delmas, Robert; and Bonet, Claude, 3,798,408.
Delmastro, Albino F.: *See—*
Fischer, Carl E.; Delmastro, Albino F.; Burdge, Thomas S.; Brewington, Harrel B.; Harris, John B.; and Zaremba, Joseph, 3,804,187.
Delmastro, Joseph R.: *See—*
Booman, Glenn L.; and Delmastro, Joseph R., 3,794,174.
Delmer, William A. Solid pellet and self cleaning irrigation device. 3,799,441, 3-26-74, Cl. 239-145.000.

Delmer, William A. Fibrous self cleaning irrigation device. 3,799,442, 3-26-74, Cl. 239-145.000.

Delmonte, Ernest J. Molding machine. 3,853,452, 12-10-74, Cl. 425-450.100.

Delmontremy, Jean Waldruche, to Floquet-Monopole. Method of manufacturing segments of motors, compressors and the like, machine for applying this method and segments obtained by this method. 3,805,352, 4-23-74, Cl. 29-156.600.

Delmore, Daniel A.: *See—*
Kimzey, Paul W.; Olson, Donald L.; Delmore, Daniel A.; and Krier, Keith N., 3,837,038.

Delmotte, Roger Edmond, to Societe Anonyme des Usines de Callenelle en abrege Saluc. Process for the manufacturing of rackets for tennis and other similar games. 3,825,646, 7-23-74, Cl. 264-257.000.

Delogne, Paul. Radio communication system for use in confined spaces and the like. 3,829,767, 8-13-74, Cl. 325-26.000.

Deloney, Hugh C.: *See—*
Stranahan, John J.; Hollier, John C. L.; and Deloney, Hugh C., 3,829,275.

Delong, Donald C.; Lively, David H.; and Neuss, Norbert, to Lilly, Eli, and Company. Antiviral antibiotic. 3,849,419, 11-19-74, Cl. 260-268.0pc.

DeLorean, John Z.; and Lindbert, Brook A., to General Motors Corporation. Automotive vehicle. 3,815,703, 6-11-74, Cl. 180-91.000.

Delorenzo, Joseph D.: *See—*
Ross, Gerald F.; Delorenzo, Joseph D.; and Lamensdorf, David, 3,801,976.

Delorenzo, Joseph D.; Durling, Hubert R.; Rolfe, Norman F.; and Ross, Gerald F., to Sperry Rand Corporation. Traffic sensor. 3,839,700, 10-1-74, Cl. 340-38.00l.

Delorme, Jean: *See—*
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Delorme, Pierre Claude Marcel, to Pont-A-Mousson S.A. Porous die plate extruder. 3,832,116, 8-27-74, Cl. 425-381.200.

Delorme, Raymond Louis: *See—*
Siegel, Pierre Louis; and Delorme, Raymond Louis, 3,811,609.

Delorme, Raymond Louis, to Societe Honeywell Bull (Societe Anonyme). Drive device for a flexible strip provided with marginal perforations. 3,825,161, 7-23-74, Cl. 226-67.000.

Delorme, Richard L. Reinforced structural element and method of making the same. 3,841,958, 10-15-74, Cl. 161-161.000.

Delouche, Gilles: *See—*
Rocoplan, Jean-Antoine; and Delouche, Gilles, 3,807,386.

Delphia, John B. Sedative bullet. 3,820,465, 6-28-74, Cl. 102-92.000.

Delphin, Pierre P.; and Peironet, Pierre R., to Thomson-CSF. Magnetic focusing device for an isochronous cyclotron. 3,789,335, 1-29-74, Cl. 335-210.000.

Delro Inc., mesne: *See—*
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Delsa, Marcel; deceased; and Guilluni, Philips Jeannine. Electrolytic cell including a plurality of anodes grouped around each cathode for increased electrolyte circulation in the cell. 3,841,989, 10-15-74, Cl. 204-212.000.

Delta Controls Limited: *See—*
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Delta Design Inc.: *See—*
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Richelmann, Bernd H., 3,805,159.

Delta Plastics Limited: *See—*
Murphy, Brian Egmont; Burford, John Reginald; and Wassilieff, Alexander, 3,812,859.

Deltech Engineering, Inc.: *See—*
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Deltente, Jacques J.; O'Connor, Richard J.; and Kuo, Mau-Jung, to Monsanto Company. Process for the preparation of heat-resistant alpha-galactosidase enzyme. 3,846,239, 11-5-74, Cl. 195-66.00r.

Deltoer, Marcel Henri. Method of making a rotary switch stator. 3,798,763, 3-26-74, Cl. 29-630.00r.

Deltrol Corporation: *See—*
Harris, John L., 3,787,789.
Harris, John L., 3,808,387.
Harris, John L., 3,812,306.
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DeLuca, Carlo Bruno: *See—*
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Deluca, Hector F.: *See—*
Schroeder, Collin H.; Lechnir, Richard J.; Cleveland, Peter G.; Deluca, Hector F.; and Derse, Philip H., 3,786,062.

DeLuca, Hector F., to Wisconsin Alumni Research Foundation. 1,24,25-Trihydroxycholecalciferol. 3,847,955, 11-12-74, Cl. 260-397.200.

Deluca, John C.: *See—*
Almasi, George S.; Argyle, Bernell E.; and Deluca, John C., 3,811,119.

Deluca, Paul V.: *See—*
Carney, William V.; and Deluca, Paul V., 3,852,703.

Deluca, Paul V., to Porta Systems Corporation. Electrical connector. 3,786,395, 1-15-74, Cl. 339-66.00m.

DeLuca, Paul V., to Porta Systems Corporation. Outgoing truck extender test and monitor apparatus for central telephone equipment. 3,814,869, 6-4-74, Cl. 179-175.000.

Deluca, Paul V.; Santulli, Vincent F.; Gazzo, John J., Jr.; Manos, George; and Mickowski, John, to Porta Systems Corporation. Automated telephony testing and polling apparatus. 3,842,218, 10-15-74, Cl. 179-175.30r.

DeLuca, Paul V., to Porta Systems Corporation. Telephone relay repair kit with spaced contact boards. 3,852,645, 12-3-74, Cl. 317-113.000.

Delude, Leo Paul: *See—*
Hanson, Wallace E.; and Delude, Leo Paul, 3,838,602.

Delvecchio, George D., to Xerox Corporation. Developer seal. 3,809,012, 5-7-74, Cl. 118-637.000.

Delwiche, Marius: *See—*
Dassesse, Pierre; and Delwiche, Marius, 3,841,381.

Delzenne, Gerard Albert: *See—*
De Schrijver, Frans Carolus; and Delzenne, Gerard Albert, 3,807,999.
Laridon, Urbain Leopold; Delzenne, Gerard Albert; and Peeters, Hugo Karel, 3,847,610.

DeMaagd, Donald R., to Bissell Inc. Shampooer with rotary foam generating means. 3,843,989, 10-29-74, Cl. 15-50.00c.

Demachi, Toshiaki: *See—*
Hashizume, Tsuneharu; Sasaki, Michihiko; Tatsuno, Masanori; Demachi, Toshiaki; Hatakoshi, Osamu; Miyauchi, Shigeru; and Amemiya, Susumu, 3,806,666.

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Dichbaum, Gerhard; and Gorjup, Johann, 3,840,218.
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Koch, Wilhelm; and Walter, Gustav, 3,817,316.
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Demag Kunststofftechnik GmbH: *See—*
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Demaine, David G. A.; and Palmer, John M., to Rank Xerox, Ltd. Variable magnification lens assembly having two add lenses. 3,853,387, 12-10-74, Cl. 350-183.000.

Deman, Heiko T.: *See—*
Abildgaard, William H.; Groswith, Charles T. III; Deman, Heiko T.; and Buan, Danilo P., 3,811,146.

Demanet, Robert A. Serial housing units construction process. 3,842,566, 10-22-74, Cl. 52-747.000.

Demange, Philippe: *See—*
Warszawski, Bernard; Verger, Bernard; and Demange, Philippe, 3,814,631.

Demangeon, M. Yvon; and Rasmussen, M. Per Hjorth, to Colgate-Palmolive Company. Detergent composition. 3,826,749, 7-30-74, Cl. 252-121.000.

Demaray, Merlin E., to Ranco, Incorporated. Multiple zone air conditioning system. 3,788,386, 1-29-74, Cl. 165-2.000.

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Demi, Roy C., to Robertshaw Controls Company. Fuel control device. 3,827,630, 8-6-74, Cl. 236-99.000.

Demichelis, Jacques: *See—*
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Deming, Andrew F., to Alliance Manufacturing Company, Inc., The. Transmitter subcoder. 3,823,378, 7-9-74, Cl. 325-155.000.

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Demley, Ronald S., to Teletype Corporation. Signal responsive belt printer. 3,793,951, 2-26-74, Cl. 101-111.000.

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Denis, Englebert; and De Bondt, Leon, to GAF Corporation. Slide tray indexing mechanism for slide projectors or the like. 3,844,648, 10-29-74, Cl. 353-116.000.

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Shimizu, Masao; Sakurai, Yasunoeu; Sato, Hideo; and Inoue, Keiji, 3,836,794.

Denkowski, Walter J.; and Zouzoulas, John, to Philadelphia Gear Corporation. De-clutch mechanism in valve operator. 3,838,609, 10-1-74, Cl. 74-625.000.

Denkowski, Walter J.; and Zouzoulas, John, to Philadelphia Gear Corporation. Torque switch mechanism. 3,851,538, 12-3-74, Cl. 74-425.000.

Denman, Dennis, to Austin Hoy and Company Limited. Storage silos and bottom unloaders therefor. 3,794,188, 2-26-74, Cl. 214-17.0da.

Denman, Robert R.: *See—*
Austin, Lewis M.; Denman, Robert R.; O'Donnell, Thomas P.; and Veres, Frank, 3,788,828.

Dennard, Albert E.: *See—*
George, James H. B.; Dennard, Albert.E.; and Kreidl, Ekkehard L., 3,840,403.

Dennett, Robert Lidstone: *See—*
Harvey, Gordon Lindsay; and Dennett, Robert Lidstone, 3,807,024.

Dennewitz, Rolf Dieter; and Schmidt, Walter, to Loewe-Opta GmbH. Electronic flash unit with controlled light energy. 3,787,704, 1-22-74, Cl. 315-241.00p.

Denney, Ernest James; and Stokes, Richard William, to Cambridge Scientific Instruments Limited. Analysis of data. 3,801,806, 4-2-74, Cl. 235-183.000.

Denney, Jerry W. Method of screening for anticapsular substances. 3,793,151, 2-19-74, Cl. 195-103.50r.

Denney, Jerry W., to American Monitor Corporation. Uric acid assay and reagents therefor. 3,801,466, 4-2-74, Cl. 195-103.50r.

Dennhardt, Werner; and Schroter, Herbert, to Kalle Aktiengesellschaft. Apparatus for automatically controlling the speed of travel of an original and of copying material in a copying machine. 3,851,236, 11-26-74, Cl. 318-313.000.

Dennis, Albert E. Wheel alignment tool. 3,837,087, 9-24-74, Cl. 33-337.000.

Dennis, Clement O.; and Everhardt, William Franklin, to Denbilt Corporation. Process and apparatus for retreading tires. 3,809,592, 5-7-74, Cl. 156-394.000.

Dennis, Clifford E. Thermal engine. 3,803,845, 4-16-74, Cl. 60-527.000.

Dennis, David S.: *See—*
Simmonds, James F.; and Dennis, David S., 3,802,783.

Dennis, Donald I. Blower housing. 3,846,040, 11-5-74, Cl. 415-219.00c.

Dennis, James, to City Tank Corporation. Mechanism for transferring and compacting refuse in a refuse collection apparatus. 3,797,680, 3-19-74, Cl. 214-83.300.

Dennis, John, Jr.: *See—*
McKenney, Neal D.; and Dennis, John, Jr., 3,807,193.

Dennis, Kent S.: *See—*
Brewbaker, James L.; Nowak, Robert M.; and Dennis, Kent S., 3,836,600.

Dennis, Kent S.; and Alexander, Willard E., to Dow Chemical Company, The. Heat stabilized compositions. 3,794,616, 2-26-74, Cl. 260-45.70p.

Dennis, Kent S., to Dow Chemical Company, The. Stabilized complexes of alkali metal and organic compound and method for their preparation. 3,847,834, 11-12-74, Cl. 252-431.00r.

Dennis, Richard Benson: *See—*
Smith, Stanley Desmond; Wood, Roland Andrew; and Dennis, Richard Benson, 3,832,061.

Dennis, Roderick A. Nuclear guidance system for controlling aircraft landings. 3,800,144, 3-26-74, Cl. 250-362.000.

Dennis, Sam. Trailer hitch assembly. 3,848,896, 11-19-74, Cl. 280-423.00r.

Dennis, William E.; and Vogel, George E., to Dow Corning Corporation. Quaternary ammonium salt catalyst. 3,812,081, 5-21-74, Cl. 260-46.50r.

Dennison, Edward, to Yardney International Corporation. Multi-cell metal-fluid battery. 3,834,944, 9-10-74, Cl. 136-86.00a.

Dennison Manufacturing Company: *See—*
Arciprete, Genio R.; Brokow, Adrian P.; Dumais, Richard L.; and Stucchi, Richard F., 3,806,715.
Bone, Arnold Roberts, 3,797,722.
Cobb, Harold W., 3,799,537.
Dean, Harold L.; and Penna, Vincent Della, Jr., 3,797,386.
Foret, Pierre G.; and Donohoe, John William, 3,841,624.
Geurtsen, Friedrich H.; and Wochner, Fred J., 3,823,218.
Joyce, Arthur W., 3,831,737.
Merser, Francis G.; and Kooistra, Philip A., 3,816,879.
Merser, Francis G., 3,850,297.
Nelson, George R., 3,844,966.
Sheffield, Wilbur L., 3,793,946.
Wochner, Fred J., 3,844,866.

Dennison Manufacturing Company, mesne: *See—*
Arciprete, Cenio R.; Brokaw, Adrian F.; Dumais, Richard E.; and Stucchi, Richard F., 3,804,007.
Foret, Pierre G.; and Donohoe, John William, 3,798,422.

Dennison, Roger E.: *See—*
Brown, Donald M.; and Dennison, Roger E., 3,829,826.

Dennison, Scott C.: *See—*
Kilroy, Eugene J., Jr.; Du Breuil, Philip B.; and Dennison, Scott C., 3,787,998.

Denniston, Rollin H.; and Davis, Thomas E., to Medtronic, Inc. Automatic cardioverting circuit. 3,805,795, 4-23-74, Cl. 128-419.000.

Denniston, Rollin H., III, to Medtronic, Inc. Muscle stimulation and/or contraction detection device. 3,815,611, 6-11-74, Cl. 128-419.00d.

Dennman, Edward: *See—*
Aldridge, Lionel Dennis; and Dennman, Edward, 3,808,582.

Dennnard, Robert H.; and Spampinato, Dominic P., to International Business Machines Corporation. Process for the formation of self-aligned silicon and aluminum gates. 3,834,959, 9-10-74, Cl. 156-11.000.

Denny, Robert B., to Adar, Inc. Radio teletype detector circuit. 3,858,117, 12-31-74, Cl. 325-320.000.

Deno, Don W., to General Electric Company. Electric circuit breaker of the gas blast type. 3,858,015, 12-31-74, Cl. 200-148.00b.

Denommee, Maurice R., to United States of America, Army. Ballistic armor of plies of nylon fabric and plies of glass fabric. 3,832,265, 8-27-74, Cl. 161-92.000.

Denoncourt, Gilles J., to Canadian Marconi Company. Digital discriminator. 3,813,604, 5-28-74, Cl. 329-122.000.

DeNora, Vittorio: *See—*
Bianchi, Giuseppe; DeNora, Vittorio; Gallone, Patrizio; and Nidola, Antonio, 3,846,273.

Denouter, Pieter J.: *See—*
Berkovits, Barouh V.; and Denouter, Pieter J., 3,824,556.

Denoux, Robert: *See—*
Billottet, Henri; Fechner, Patrice; Denoux, Robert; and Georgel, Jean, 3,855,899.

Denoyers, Jacques: *See—*
Lefrancois, Robert; Denoyers, Jacques; and Gabriel, Michel, 3,856,916.

Denslow, Clark A.; and Obeda, Edward G., to Branson Instruments, Incorporated. Ultrasonic apparatus. 3,833,163, 9-3-74, Cl. 228-1.000.

Densmore, Neal W. Self-troughed conveyor belt rebersing apparatus and method. 3,851,752, 12-3-74, Cl. 198-192.000.

Denson, Judy Wynne. Diagnostic tampon and the use thereof for collecting cellular material. 3,850,160, 11-26-74, Cl. 128-2.00b.

Densow, Ulrich O., to Outboard Marine Corporation. Torque reducing centrifugal clutch. 3,810,533, 5-14-74, Cl. 192-105.0ba.

Denster, Larry A. Polishing package with applicator pad. 3,802,024, 4-9-74, Cl. 15-258.000.

Dent, Irvin E.: *See—*
Miller, Walter E., Jr.; and Dent, Irvin E., 3,808,429.

Dent, William Barron; and Jenner-Clarke, Allan, to Delta Controls Limited. Fluid supply apparatus. 3,814,541, 6-4-74, Cl. 417-7.000.

Dental Designs: *See—*
Fox, Shirl S., 3,790,971.

Dentant, Willy G. A.; and Persoons, Gustaaf M., to International Machinery Corporation S.A. Cluster breaker. 3,797,503, 3-19-74, Cl. 130-30.00r.

Dentipressions Inc.: *See—*
Baskas, Morris J.; and Kaufman, Harry, 3,815,878.

Dento-Dynamic Systems, Inc.: *See—*
Franklin, Mark E.; and Schmidt, James R., 3,795,981.

Denton, Bryce A., to General Electric Company. Appliance strain relief. 3,858,160, 12-31-74, Cl. 339-107.000.

Denton, Coulson Lloyd: *See—*
Whitehead, Jack; and Denton, Coulson Lloyd, 3,808,023.

Denton, Douglas Graham; and MacKay, John Meldrum, to Ford Motor Company. Thermostatically controlled valve assembly. 3,801,078, 4-2-74, Cl. 236-93.000.

Denton, Eric B., to Weyerhaeuser Company. Sweep measuring scheme. 3,806,253, 4-23-74, Cl. 356-157.000.

Denton, Harvey R. Lighter-than-air aircraft. 3,820,744, 6-28-74, Cl. 244-5.000.

Denton Industries, Inc.: *See—*
Pellico, Michael A., 3,837,865.

Denton, Michael Wade. Methods and apparatus for forming seams. 3,815,530, 6-11-74, Cl. 112-214.000.

Denton, Ronald T., to Ford Motor Company. Carburetor anti-dieseling and deceleration control. 3,795,237, 3-5-74, Cl. 123-198.00d.

Denton, Wayne L.: *See—*
Heumann, Aubrey C., Jr.; Denton, Wayne L.; and Fitzpatrick, Jimmie D., 3,852,500.

Denton, William I.: *See—*
Hammond, Philip D.; Clarke, William M.; and Denton, William I., 3,832,372.

Denton, William T.: *See—*
Hammond, Philip D.; Scott, John A.; Clarke, William M.; and Denton, William T., 3,828,089.

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Dentsply International Inc.: *See—*
Gonser, Donald I., 3,804,096.
Gonser, Donald I., 3,817,253.
Schwartz, Carl H., 3,821,006.

Dentsply Research & Development Corporation: *See—*
Johnson, Philip C., 3,792,905.
Saffir, Jacob A., 3,802,919.
Welsh, Richard E., 3,814,286.
Wolf, Donald Timothy, 3,841,860.

DeNucci, Joseph M.: *See—*
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Denver Plastics, Inc.: *See—*
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Deny, Janos: *See—*
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Denzel, Theodor: *See—*
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Hoehn, Hans; and Denzel, Theodor, 3,833,594.
Hoehn, Hans; and Denzel, Theodor, 3,840,546.
Hoehn, Hans; and Denzel, Theodor, 3,846,437.
Hoehn, Hans; and Denzel, Theodor, 3,856,799.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. Amino derivatives of pyrazolopyridine carbonitriles. 3,804,843, 4-16-74, Cl. 260-294.900.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. Hydrazines, hydrazides and hydrazones of isoxazolopyridine carboxylic acids and esters. 3,825,535, 7-23-74, Cl. 260-240.00g.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. Amino derivatives of pyrazolopyridine ketones. 3,828,057, 8-6-74, Cl. 260-296.00h.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R. & Sons, Inc. Amino derivatives of pyrazolopyridine-5-carboxylic acids and esters. 3,833,598, 9-3-74, Cl. 260-295.00f.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R. & Sons, Inc. Amino derivatives of (4,3-c)pyrazolopyridine carboxylic acids and esters. 3,835,144, 9-10-74, Cl. 260-295.50b.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. Hydroxy or alkoxy derivatives of 5-halo-1H-pyrazolo(3,4-b) pyridines. 3,847,929, 11-12-74, Cl. 260-296.00h.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. Intermediate pyrazolopyridine carbonitriles. 3,850,940, 11-26-74, Cl. 260-294.900.

Denzel, Theodor; and Hoehn, Hans, to Squibb, E. R., & Sons, Inc. 1-(2-Furanylmethyl)-1H-pyrazolo(3,4-b) pyridine-5-methanones. 3,855,675, 12-24-74, Cl. 260-296.00h.

Denzer, Max. Preparation of 1,4-disubstituted-2(1H)-quinazolinones. 3,793,324, 2-19-74, Cl. 260-251.0qb.

Denzer, Max; and Ott, Hans, to Sandoz-Wander, Inc. Preparation of O-isopropyl-aminobenzophenones. 3,845,128, 10-29-74, Cl. 260-570.0ab.

Denzler, Emil; and Widmer, Robert, to Schlatter, H. A., A.G. Pneumatic holding device. 3,853,037, 12-10-74, Cl. 91-440.000.

Denzler, Eric-Alain, to Fratmann S.A. Manufacture of 1-alkenyl-2-aminomethyl pyrrolidines. 3,849,442, 11-19-74, Cl. 260-326.850.

DePalma, Ted V., to Universal Oil Products Company. Catalytic treatment of recycle gases for an internal combustion engine. 3,846,980, 11-12-74, Cl. 60-279.000.

DePas, Laddie A., to General Electric Company. Condenser apparatus. 3,831,292, 8-27-74, Cl. 34-75.000.

Depauw, Richard A.: *See—*
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Depcrymski, John J., to I-T-E Imperial Corporation. Voltage grading shield for sharp angle transition joint. 3,792,187, 2-12-74, Cl. 174-21.00c.

Depenbrock, Manfred, to Brown, Boveri & Cie AG. Device for converting the electrical energy of a thermionic generator. 3,784,895, 1-8-74, Cl. 322-2.00r.

Depenthal, Fritz; and Swartz, Karl M. Automatic feeding device. 3,782,332, 1-1-74, Cl. 119-51.130.

Depetris, Lorenzo, to Smyth Europea S.p.A. Automatic machine for feeding and sewing signatures in books. 3,797,419, 3-19-74, Cl. 112-21.000.

Depmeyer, Lothar, to Continental Gummi-Werke Aktiengesellschaft. Pneumatic vehicle tire. 3,782,440, 1-1-74, Cl. 152-330.000.

Depoix, Pierre, to Saft-Societe des Accumulateurs Fixes et de Traction. Alkaline cell with gelled electrolyte and rupurable means. 3,840,406, 10-8-74, Cl. 136-86.00a.

Depoorter, Henri: *See—*
Rillaers, Guy Alfred; and Depoorter, Henri, 3,793,313.

Depoorter, Henri; and Moelants, Felix Jan, to Agfa-Gevaert. Photographic water-insoluble antihalation coating. 3,853,563, 12-10-74, Cl. 96-84.00r.

Deportes, Grenoble Charles: *See—*
Besson, Jean; Bonnat, Michel; Deportes, Grenoble Charles; and Kleitz, Michel, 3,791,937.

Depperman, Warren B.: *See—*
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Depping, Carl L. Christmas tree assembly. 3,839,132, 10-1-74, Cl. 161-24.000.

Depree, David O., to Aerojet-General Corporation. Stabilized ammonium perchlorate. 3,795,555, 3-5-74, Cl. 149-76.000.

Deprez, Jacques: *See—*
Breuer, Wolfram; Deprez, Jacques; and Strum, Burthold, 3,857,760.

Deprez, Thomas A.; and Whalley, Frank M., to Gleason Works, S.A. Machine for running together bevel or hypoid gears to determine optimum running position of one gear relative to another. 3,795,143, 3-5-74, Cl. 73-162.000.

DePriester, Donald Jack; Horney, David C.; and Mangels, Robert H. Hon Industries, Inc. Power driven material handling truck. 3,787,064, 1-22-74, Cl. 280-93.000.

DePrima, Anthony E.: *See—*
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Deproux, Jacques Roland, to Societe Industrielle Honeywell Bull (Societe Anonyme). Printing device with moveable characters. 3,838,765, 10-1-74, Cl. 197-53.000.

DePutter, Warner Jan: *See—*
Bulters, Hein; Heidemann, Gerrit; and DePutter, Warner Jan, 3,799,818.

Depuy, Arthur H.; Johnson, Leonard F.; and Scheinberg, Stanley, to International Business Machines Corporation. Manufacture of assorted types of LSI devices on same wafer. 3,842,491, 10-22-74, Cl. 29-580.000.

Depuy, Francis A., to Mount Hope Machinery Company. Adjustable curvature axle assembly for expander rolls and the like. 3,838,480, 10-1-74, Cl. 26-63.000.

Depuydt, Andre: *See—*
De Keyser, Rudiger; and Depuydt, Andre, 3,840,419.

Der Estephanian, Estephan. Fabric cutter and method. 3,790,071, 2-5-74, Cl. 234-1.000.

Dera, Alain: *See—*
Bouthors, Pierre; Dera, Alain; and Lefeuvre, Andre, 3,819,196.

Dera, Alain; Fayolle, Michel; and Maistrelli, Roger, to Regie Nationale des Usines Renault and 1/2% to Automobiles Peugeot. Energy absorbing device. 3,841,681, 10-15-74, Cl. 293-70.000.

Dera, Alain; and Besseau, Daniel, to Regie Nationale des Usines Renault and Automobiles Peugeot. Energy absorbing bumper. 3,843,181, 10-22-74, Cl. 293-86.000.

Dera, Alain Joseph: *See—*
Gelin, Jacques Andre; and Dera, Alain Joseph, 3,788,285.

Derain, Christian, to Societe Nouvelle des Bennes Saphem. Device for loading a skip on to a vehicle. 3,819,075, 6-25-74, Cl. 214-505.000.

Deramo, Anthony D.: *See—*
Wallace, Frank E.; and Deramo, Anthony D., 3,795,916.

Derbes, Gerald J.: *See—*
Engel, F. William; Engel, Robert S.; Derbes, Gerald J.; and Dusseau, M. Walter, 3,824,472.

Derby, Norwin Cedric: *See—*
Long, Donald V.; Derby, Norwin Cedric; and Chorak, Peter P., 3,845,696.

Derby, Palmer P., to Raytheon Company. Microwave cooking utensil. 3,845,266, 10-29-74, Cl. 219-10.550.

Derby, Richard: *See—*
O'Brien, Joseph L.; and Derby, Richard, 3,856,840.

Derbyshire, Alfred; Ivins, Kenneth William; and Whetton, Edward Thomas, to Wellman Incandescent Furnace Company Limited. Coil annealing furnaces. 3,832,129, 8-27-74, Cl. 432-77.000.

Derbyshire, George C., to Jacobs Manufacturing Company, Limited, The. Drill chuck. 3,811,693, 5-21-74, Cl. 279-18.000.

Derbyshire, George Cecil, to Jacobs Manufacturing Company Limited, The. Drill chucks. 3,810,642, 5-14-74, Cl. 279-62.000.

Derbyshire, George Cecil, to Jacobs Manufacturing Company Limited, The. Fitment of handles to bladed hand tools. 3,853,495, 12-10-74, Cl. 29-460.000.

Derbyshire, Philip Edward: *See—*
Saunders, Peter Anthony; Fox, Michael Frank; Fagan, Anthony Francis; and Derbyshire, Philip Edward, 3,857,790.

Derc, Roman, to International Computers Limited. Train printers. 3,814,012, 6-4-74, Cl. 101-111.000.

Derderian, Carl: *See—*
Miller, Robert; and Derderian, Carl, 3,824,141.

Derdowski, Ronald A.; Hayner, Don S.; and Parker, Frank S., to Newcor, Inc. Sheet thickness detector and attachment locator. 3,816,697, 6-11-74, Cl. 219-107.000.

Deregnaucourt, Robert A.: *See—*
Walther, William D.; and Deregnaucourt, Robert A., 3,787,076.

Dereich, John E.; Gleeson, James E.; and Earle, Glenn J., to Robertson, H. H., Company. Military bomb and method of making same. 3,786,714, 1-22-74, Cl. 86-23.000.

Dereng, Viggo G. Parachute deployment bag. 3,799,480, 3-26-74, Cl. 244-147.000.

Dereniuk, Paul, to International Paper Company. Bare wire processes for making retention catheters. 3,817,809, 6-18-74, Cl. 156-296.000.

Derenski, David J.; and Wiater, Kenneth W., to Teletype Corporation. Single step tape reader. 3,800,069, 3-26-74, Cl. 178-4.100.

Deres Development Corporation: *See—*
Lipert, Donald Ernest, 3,790,150.

Derevyagina, Irina Sergeevna: *See—*
Tarasenko, Leonid Grigorievich; Kuperman, Abram Yakovlevich; Noskov, Felix Pavlovich; Derevyagina, Irina Sergeevna; Malkus, Boris Lvovich; Bernshtein, Naum Davydovich; Alexeev, Anatoly Anatolievich; and Vishnyakov, Anatoly Nikolaevich, 3,794,254.

Derfer, John M.: *See—*
Bordenca, Carl; and Derfer, John M., 3,849,571.

Dergling, Folke Gunnar, to SKF Industrial Trading and Development Company, B.V. Device for mounting and dismounting a stern post bearing. 3,790,356, 2-5-74, Cl. 29-201.000.

Derible, Pierre Henri; and Lavaux, Jean-Paul, to Roussel-UCLAF. Omega-(4-(3-indolyl)-piperidino)-alkyl-arylketones. 3,850,938, 11-26-74, Cl. 260-293.610.

Derich, Josef; Kamp, Heinz; and Frehn, Gunter, to Schlafhorst, W., & Co. Warp knitting machine. 3,832,868, 9-3-74, Cl. 66-84.000.

Derieg, Michael Edward; Ian-Fryer, Rodney; and Sternbach, Leo Henryk, to Hoffmann-La Roche Inc. 4-Acetyl-(1,2-a) pyrimido-(1,4)-benzodiazopines. 3,796,713, 3-12-74, Cl. 260-256.40f.

Deringer, Dewitt C., to Parker, Ben H., Jr. Method and apparatus for concentrating ore pulps. 3,786,919, 1-22-74, Cl. 209-434.000.

Deritend Engineering Company Limited, The: *See—*
Bishop, Thomas Desmond, 3,820,779.
Bishop, Thomas Desmond, 3,834,291.

Derks, Leendert L. J.; and Koster, Olav E., to Akzona Incorporated. Shaft seal. 3,823,949, 7-16-74, Cl. 277-22.000.

Derleth, Helmut; and Fischer, Hermann, to Kali-Chemie Aktiengesellschaft. Process of making graphite-metal chloride intercalation compounds and product obtained thereby. 3,785,999, 1-15-74, Cl. 252-441.000.

Derleth, Helmuth: *See—*
Paucksch, Heinrich; Massonne, Joachim; and Derleth, Helmuth, 3,836,479.

Derman, Karl Gustav. Sealing arrangement. 3,814,446, 6-4-74, Cl. 277-169.000.

Derman, Karl Gustav Einar, to Forsheda Ideutveckling AB. Locking and sealing ring. 3,813,102, 5-28-74, Cl. 277-9.000.

Derman, Karl Gustav Einar; and Bohman, Nils-Erik. Tension spring device. 3,817,507, 6-18-74, Cl. 267-74.000.

Derman, Karl Gustav Einar, to Forsheda Ideutveckling AB. Locking and sealing device. 3,829,227, 8-13-74, Cl. 403-377.000.

Dermond, Hartley P. Earth and road roller. 3,827,819, 8-6-74, Cl. 404-126.000.

Dermott, Raymond W., to Schlumberger Technology Corporation. Apparatus for venting gases from an enclosed perforating carrier. 3,842,919, 10-22-74, Cl. 175-4.540.

Dernbach, Berthold; Jurisch, Ewald; and Landgraf, Helmut, to Siemens Aktiengesellschaft. Safety fitting. 3,845,879, 11-5-74, Cl. 220-89.00a.

Derner, William J.: *See—*
Price, Connor E.; and Derner, William J., 3,806,215.

Dernovshek, Joseph F.: *See—*
Cook, Albert W.; and Dernovshek, Joseph F., 3,800,392.

Derolf, M. Robert: *See—*
Weldes, Helmut H.; Bobb, John S. Stephen; and Derolf, M. Robert, 3,819,392.

DeRooij, Abraham H., to Stamicarbon N.V. Separation of lactams from a medium coating concentrated sulphuric trioxide in combination with the preparation of phosphate fertilizers. 3,820,972, 6-28-74, Cl. 71-37.000.

Derose, Michael A.: *See—*
Schortmann, Walter E.; and Derose, Michael A., 3,812,006.

Derosset, Armand J.; and Morgan, Kenneth A., to Universal Oil Products Company. Recovery of rhenium from a spent catalyst. 3,855,385, 12-17-74, Cl. 423-49.000.

Derouineau, Rene. Resuscitation apparatus for simultaneous cardiac massage and artificial respiration. 3,782,371, 1-1-74, Cl. 128-28.000.

Derouineau, Rene. Supporting cuff for transfusions or perfusions. 3,794,032, 2-26-74, Cl. 128-214.00r.

Derr, Paul B.; Ferdon, Gilbert Douglas; and Harwood, Robert George, to AMP Incorporated. Latching system for an electrical connector assembly and a tool for actuating said system. 3,829,821, 8-13-74, Cl. 339-91.00r.

Derr, Walter R.: *See—*
Davis, Francis E., Jr.; Derr, Walter R.; and Ginter, Earle F., 3,835,063.

Derragon, Don C., Jr., to Motor Coach Industries, Inc. Reverse balance flow valve assembly for refrigerant systems. 3,788,394, 1-29-74, Cl. 165-134.000.

Derre, Andre; and Jourdin, Jacques, to Crouzet. Analog function generator. 3,812,338, 5-21-74, Cl. 235-197.000.

Derrer, Carson E. Cable de-lashing tool. 3,783,495, 1-8-74, Cl. 29-426.000.

Derrick Manufacturing Corporation: *See—*
Jones, Clarence O., Jr., 3,815,473.

Derrick, Noah S.; and Zeigler, Jacob T., to General Electric Company. Stacked electrode capacitor. 3,806,769, 4-23-74, Cl. 317-230.000.

Derrick, Noah S.; and Zeigler, Jacob T., to General Electric Company. Stacked electrode capacitor and method of making same. 3,854,196, 12-17-74, Cl. 29-570.000.

Derrien, Michel: *See—*
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Derry, Juanita. Portable picnic cart. 3,827,708, 8-6-74, Cl. 280-36.00r.

Derse, Philip H.: *See—*
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Dershem, Thomas L.; and Renn, Charles F., to General Motors Corporation. Heated molten metal pouring ladle. 3,848,072, 11-12-74, Cl. 13-20.000.

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Derville, Denis, to Compagnie Internationale pour l'Informatique. Programme translation and reentrance device. 3,789,368, 1-29-74, Cl. 340-172.500.

Dervy, Aram J., to McDonnell Douglas Corporation. Rocket nozzle liner construction. 3,826,708, 7-30-74, Cl. 161-162.000.

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Des Champs, Nicholas Howard, to Donbar Development Corporation. Rotary heat exchanger. 3,791,369, 2-12-74, Cl. 126-116.00r.

Des Jardins, John Melvin: *See—*
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Desai, Prakash Khirubhai; and Spachner, Sheldon Arthur, to Gulf & Western Industries, Inc. Press and drive mecahnism therefor. 3,817,139, 6-18-74, Cl. 83-617.000.

Desai, Ramesh R., to Globe-Union Inc. Storage battery. 3,846,175, 11-5-74, Cl. 136-14.000.

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Desantis, Francis J., to Smyth Manufacturing Company, The. Book escapement mechanism. 3,830,358, 8-20-74, Cl. 198-34.000.

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Desarzens, Pierre; and Vogt, Jacques, to OMEGA Louis Brandt & Frere S.A. Apparatus for rapidly evaluating the rate of a timekeeper. 3,857,274, 12-31-74, Cl. 73-6.000.

Desaulles, Pierre Antoine; and Zahnd, Gaston, to Ciba-Geigy Corporation. Growth hormone release stimulating pharmaceutical preparations of N-acetyl-10-17 aminoacid ACTH-sequence peptides. 3,803,309, 4-9-74, Cl. 424-179.000.

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Desbordes, Jean, to Societe Anonyme dite: Stein Industrie. Grinding mill. 3,785,576, 1-15-74, Cl. 241-57.000.

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Descamps, Marcel; and Inion, Henri, to Labaz. Indole derivatives in reducing inflammation. 3,849,564, 11-19-74, Cl. 424-263.000.

DeScarbon, Christian M.L.L. Bourcier. Top reinforcement for pneumatic tires. 3,785,423, 1-15-74, Cl. 152-361.00r.

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Deschamps, Andre; Dezael, Claude; and Renault, Philippe, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for converting hydrogen sulfide and sulfur dioxide to elemental sulfur. 3,796,796, 3-12-74, Cl. 423-575.000.

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Deschamps, Andre; Dezael, Claude; and Renault, Philippe, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for manufacturing sulfur or sulfurous anhydride from ammonium sulfates. 3,833,715, 9-3-74, Cl. 423-573.000.

Deschamps, Andre; Dezael, Claude; and Renault, Philippe, to Institut Francais du Petrole, des Carburants et Lubrifiants. Process for removing sulfur dioxide from industrial gases. 3,839,549, 10-1-74, Cl. 423-575.000.

Deschamps, Andre; and Faye, Georges, to Societe Lignes Telegraphiques et Telephoniques. Method of making a magnetic material part with spatial distribution of the permeability. 3,855,691, 12-24-74, Cl. 29-608.000.

Deschamps, Jacques Desire; and Durand, Jacques Henri Emile, to Societe Nationale d'Etude et de Construction de Moteurs. Navigational process and device for path control. 3,793,506, 2-19-74, Cl. 235-61.60b.

Deschamps, Jacques Desire; and Adamsbaum, Andre, to Societe Nationale d'Etude et de Construction de Moteurs. Navigational process and device for path control. 3,805,261, 4-16-74, Cl. 343-5.0mm.

Deschamps, Joseph P., to International Harvester Company. Independent power take off clutch brake. 3,831,722, 8-27-74, Cl. 192-18.00r.

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Deschenes, Pierre A.; Stephenne, Hubert; and Villeret, Michel, to Universite de sherbrooke. Syllabic adaptative delta modulation system. 3,857,111, 12-24-74, Cl. 332-11.00d.

Deschenes, Roger, to Wabco Westinghouse. Variable load brake apparatus. 3,832,014, -27-74, Cl. 303-22.00r.

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DeSchutter, Camiel R., to Perfect Module Systems, Inc. Wall panel extension clip. 3,818,670, 6-25-74, Cl. 52-624.000.

Descoins, Charles E.; and Henrick, Clive A., to Zoecon Corporation. Synthesis of 1-bromo-trans-3, trans-5-heptadiene. 3,825,607, 7-23-74, Cl. 260-654.00r.

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Deserno, Ulrich; and Haussuehl, Siegfried, to Siemens Aktiengesellschaft. Non-linear optical component. 3,830,558, 8-20-74, Cl. 350-160.00r.

Deserno, Ulrich; and Haussuehl, Siegfried, to Siemens Aktiengesellschaft. Non-linear optical component. 3,833,286, 9-3-74, Cl. 350-160.00r.

DeSeversky, Alexander P., to Seversky Electronatom Corporation. High velocity wet electrostatic precipitator for removing gaseous and particulate contaminants. 3,856,476, 12-24-74, Cl. 23-284.000.

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Deshay, Robert V.; Isaksen, Robert A.; and Sahni, Atam P., to Monsanto Company. Formable, Weldable coated article of manufacture. 3,791,850, 2-12-74, Cl. 117-75.000.

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DeSio, Frederick Carl; and Werner, Walter Myers, to AMP Incorporated. High voltage electrical connector. 3,826,860, 7-30-74, Cl. 174-73.0sc.

Desitin-Werk Carl Klinke GmbH: *See—*
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Desjardins, Stanley P.: *See—*
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Desjarlais, Robert C. Substituted diresorcyl sulfide and sulfoxide compounds. 3,857,896, 12-31-74, Cl. 260-609.00f.

Deslongchamps, Pierre, to Universite de Sherbrooke. Ozonolysis of acetals. 3,829,413, 8-13-74, Cl. 260-210.00r.

Deslongchamps, Pierre, to Ayerst, McKenna and Harrison Limited. Tricyclo[4.4.0.0^{3,8}]decan-1-methylamine and process for preparing same. 3,845,124, 10-29-74, Cl. 260-563.00p.

Desma-Werke G.m.b.H.: *See—*
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Koch, Friedrich; and Zeug, Hubert, 3,790,136.
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Desmarais, Armand J., to Hercules Incorporated. Joint cement compositions. 3,835,074, 9-10-74, Cl. 260-17.000.

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Desmond, John D.; and Hart, Joseph I., to Container Corporation of America. Folded pre-wrap carton. 3,851,815, 12-3-74, Cl. 229-87.00r.

Desmond, Richard J.; Fronczek, Edward J.; and McCarthy, John J., to General Electric Company. Machine and process for semiconductor device assembly. 3,797,103, 3-19-74, Cl. 29-583.000.

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Desperier, Jean-Michel; and Sermanet, Gerard, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Low temperature storage vessel. 3,782,133, 1-1-74, Cl. 62-381.000.

Desplats, Andre, to Tractel S.A. Twin clamp traction apparatus for cables or rods. 3,799,503, 3-26-74, Cl. 254-76.000.

Desplats, Rene; and Kuntz, Raymond, to Agence Nationale de Valorisation de la Recherche (ANVAR). Apparatus for the liquid protection of gaseous effluents. 3,802,165, 4-9-74, Cl. 55-355.000.

Despretz, Henri. Multiple plow. 3,799,273, 3-26-74, Cl. 172-754.000.

Despujols, Jack Bruno, to Gulf Research & Development Company. Gravel packing method and apparatus. 3,850,246, 11-26-74, Cl. 166-278.000.

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Dessauer, Rolf; and Ellefson, John R., to Du Pont de Nemours, E. I., and Company. Photodecorating sheet material with matched colored designs. 3,847,608, 11-12-74, Cl. 96-27.00r.

Dessert, Jean Marcel, to Renn-Cupit Industries Ltd. Method of constructing cable tray. 3,851,378, 12-3-74, Cl. 29-523.000.

Dessler, Hans-Joachim: *See—*
Rufer, Clemens; Albrecht, Rudolf; Dessler, Hans-Joachim; and Schroder, Eberhard, 3,814,810.

Desso, Jerome Andrew; and Henschen, Homer Ernst, to AMP Incorporated. Adaptor for connecting flat conductor cable. 3,795,885, 3-5-74, Cl. 339-17.00f.

Dessolin, Denis J.: *See—*
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Dessus, Benjamin; Migne, Jacques; and Catherin, Jean-Michel, to Compagnie Generale d'Electricite. Discharge tube. 3,790,899, 2-5-74, Cl. 331-94.500.

DeSteese, John G.: *See—*
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Desty, Denis Henry; and Young, Christopher John, to British Petroleum Company Limited, The. Flarestacks. 3,833,337, 9-3-74, Cl. 431-284.000.

Desty, Denis Henry; and Young, Christopher John, to British Petroleum Company Limited, The. Flare-stack. 3,836,318, 9-17-74, Cl. 431-202.000.

Desty, Denis Henry; and Young, Christopher John. Flarestack combustion method. 3,840,320, 10-8-74, Cl. 431-4.000.

Desty, Denis Henry; and Young, Christopher John, to British Petroleum Company Limited, The. Flare. 3,853,457, 12-10-74, Cl. 431-328.000.

DeSure, D. S.: *See—*
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Desvignes, Francois; and Herbert, Marcel-Georges, to U.S. Philips Corporation. Device for the detection of moving objects. 3,793,523, 2-19-74, Cl. 250-209.000.

Deszyck, Edward J., to Morris, Philip, Incorporated. Method of making a smoking product from coffee bean hulls. 3,796,222, 3-12-74, Cl. 131-2.000.

Det Norske Zinkkompani A/S: *See—*
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Detch, Lewis. Locking means for single pin fluorescent lamps. 3,818,418, 6-18-74, Cl. 339-54.000.

Detec S.A.: *See—*
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Detemple, Manfred F.; Hubner, Horst; and Oswald, Johann. Electrode comprising a head and a detachable plug. 3,832,675, 8-27-74, Cl. 339-143.00r.

Deters, Elmer M., to Red Jacket Manufacturing Company. Control apparatus for a water supply system. 3,782,858, 1-1-74, Cl. 417-26.000.

Deters, Elmer M., to Red Jacket Manufacturing Company. Mold apparatus for mixed flow impeller. 3,837,612, 9-24-74, Cl. 249-105.000.

Detert, Ernst-Rolf; and Buchholz, Wilhelm, to Gerlach, Eduard, GmbH Chemische Fabrik. Envelope for tobacco goods. 3,826,268, 7-30-74, Cl. 131-140.00c.

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Dethloff, Jurgen; and De Beauclair, Wilfried. Manual input device for data-processing system and the like. 3,828,128, 8-6-74, Cl. 178-18.000.

Detig, Robert H., to Xerox Corporation. Fixing method utilizing intermediate heat transfer. 3,788,873, 1-29-74, Cl. 117-21.000.

Detko, Mildred A., 20% to Lee, Raymond, Organization, Inc., The. Mattress support. 3,840,909, 10-15-74, Cl. 5-64.000.

DeTorre, Robert P., to PPG Industries, Inc. Method of cutting glass. 3,795,502, 3-5-74, Cl. 65-174.000.

Detprotector, Inc.: *See—*
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Dettling, Ronald F.; Bush, John E.; and Zulkowski, Thomas R., to United States of America, Navy. Protective weapon for attack aircraft. 3,827,656, 8-6-74, Cl. 244-3.160.

Dettmeier, Udo: *See—*
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Dettmer, Edward V., to Dow Chemical Company, The. Rotary joint. 3,805,888, 4-23-74, Cl. 165-86.000.

Detweiler, Harry K.: *See—*
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Deuel, James Leslie, to American Can Company. Method of making folds in coated fiber containers. 3,852,138, 12-3-74, Cl. 156-227.000.

D'Eugenio, Benito. Process for producing clothes-pins by extrusion of plastic material and the clothes pins obtained. 3,832,757, 9-3-74, Cl. 24-137.00a.

Deumas, Jean-Claude: *See—*
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Deumens, Johannes J. M.; Verheijen, Egidius J. M.; and Thoma, Jozef A., to Stamicarbon B.V. Process for the preparation of coumarin and alkylated derivatives thereof. 3,856,819, 12-24-74, Cl. 260-343.20r.

Deumu Deutsche Erz-und Metall-Union Gesellschaft mit beschrankter Haftung: *See—*
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Deuringer, Rudolf; Ray, Robert A.; and Sternberg, James C., to Beckman Instruments, Inc. Liquid analysis apparatus. 3,787,291, 1-22-74, Cl. 195-127.000.

Deuschel, Werner: *See—*
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Deuschle, Fritz: *See—*
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Deussen, Emil. Method of die-forming parts with improved grain structure. 3,791,188, 2-12-74, Cl. 72-356.000.

Deussen, Werner. Childproof container closure. 3,827,592, 8-6-74, Cl. 215-9.000.

Deussner, Herbert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Cooling material from a kiln. 3,815,253, 6-11-74, Cl. 34-20.000.

Deussner, Herbert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Satellite cooler for a rotary kiln. 3,829,282, 8-13-74, Cl. 432-80.000.

Deussner, Herbert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Cooling device for kiln material. 3,837,792, 9-24-74, Cl. 432-77.000.

Deussner, Hubert. Fastening device for cooling tubes of a satellite cooler, particularly a rotary kiln satellite cooler. 3,840,335, 10-8-74, Cl. 432-80.000.

Deutsch, Albert S.; and Poppo, Joseph M., to Polychrome Corporation. Light-sensitive quinone diazide compounds, compositions, and presensitized lithographic plate. 3,785,825, 1-15-74, Cl. 96-75.000.

Deutsch, Albert S.; and Poppo, Joseph M., to Polychrome Corporation. Light sensitive esters of naphthoquinone-1,2-diazide-(2)-5-sulfonicacids with cyclohexylmethanol or secondary or tertiary alkanols of up to six carbon atoms. 3,823,130, 7-9-74, Cl. 260-14.000.

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Dewitt, Ivan L.; and Pacanowsky, Eugene, to Thiokol Chemical Corporation. Oxalyl dihydrazide compositions and use as a coolant in gas generating process. 3,839,105, 10-1-74, Cl. 149-19.400.
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Di Fiore, Lucio; and Quarta, Sergio, to Societa Italiana Resine S.I.R. S.p.A. Process for the manufacture of concentrated aqueous solutions of hydrogen chloride. 3,807,139, 4-30-74, Cl. 55-71.000.
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Di Palma, Hugo Roland. Automatic sprinkling apparatus. 3,810,579, 5-14-74, Cl. 239-197.000.
Di Paola, John J.; Morse, Charles W.; and Dobson, Richard A., to General Signal Corporation. Car retarder control system. 3,844,514, 10-29-74, Cl. 246-182.00a.
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Di Prospero, Peter. Combination cleaning kit and gun safety device. 3,813,802, 6-4-74, Cl. 42-1.00n.
Di Rago, Michael, to Ogar Manufacturing Corporation. Joint assembly for a feeler gauge blade holder. 3,816,010, 6-11-74, Cl. 403-157.000.
Di Renzo, Simon, to Philco-Ford Corporation. Method of forming electrical connections. 3,834,015, 9-10-74, Cl. 29-628.000.
Di Sabatino, Roland, Jr., to Ametek, Inc. Swing disc check valve. 3,785,611, 1-15-74, Cl. 251-25.000.
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Diamond, Julius; and Auyang, King, to Rorer, William H., Inc. Phosphonium compounds for treating gastrointestinal hyperacidity and ulceration. 3,810,979, 5-14-74, Cl. 424-198.000.
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Diamond, Julius; and Santora, Norman Julian, to Rorer, William H., Inc. α-Acylthio-p-cyclohexylphen-ylacetic acids and derivatives. 3,821,267, 6-28-74, Cl. 260-455.00r.
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Diamond, Julius; Douglas, George H.; and Burns, Bernard J. 1-Substituted biguanides as gastrointestinal spasmolytic agents. 3,826,843, 7-30-74, Cl. 424-326.000.
Diamond, Julius; and Douglas, George Henry, to Rorer, William H., Inc. Tetrahydronaphthylalkanoic acids and their derivatives. 3,829,467, 8-13-74, Cl. 260-501.160.
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Dibiasi, D. J., to Mobil Oil Corporation. Programmed degradation of polyolefins. 3,856,747, 12-24-74, Cl. 260-45.70p.

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Dibrell, James W., to Nospil Limited. Non-spill container closure. 3,797,696, 3-19-74, Cl. 220-90.400.

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Dick, Peter. Disposable hypodermic needle destroyer. 3,796,359, 3-12-74, Cl. 225-93.000.

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Dickert, Joseph John, Jr.; and Williams, Albert Lloyd, to Mobil Oil Corporation. Process for preparing keto containing phosphonates. 3,829,534, 8-13-74, Cl. 260-970.000.

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Dickfeldt, Siegfried, to Varta Batterie Aktiengesellschaft. Gastight alkaline battery with paste and sintered electrodes. 3,852,110, 12-3-74, Cl. 136-6.00r.

Dickhart, Irwin C.; and Fenton, James E., to Ford Motor Company. Time delay gas turbine starting system with fuel presence and flame sensing circuitry. 3,793,825, 2-26-74, Cl. 60-39.140.

Dickie, Ray A.; and Newman, Seymour, to Ford Motor Company. Acrylate polymer particles comprising a core, an outer shell, and an intermediate layer. 3,787,522, 1-22-74, Cl. 260-836.000.

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Dickinson, Ben Wade Oakes, III; and Dickinson, Robert Wayne, to Agrophysics, Inc. Device for insertion into the reproductive tract and method of using same. 3,811,423, 5-21-74, Cl. 128-1.00r.

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Dickinson, Ben Wade Oakes, III; and Dickinson, Robert Wayne. Intra-vaginal device and method. 3,854,476, 12-17-74, Cl. 128-138.000.

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Dickinson, Harold W. Overhead door assembly. 3,839,827, 10-8-74, Cl. 49-197.000.

Dickinson, Harry C. Adjustable soft packing seal. 3,797,564, 3-19-74, Cl. 165-82.000.

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Dickinson, William Henry Charles, to Dickinson, W. H., Engineering Limited. Treatment of tobacco. 3,838,698, 10-1-74, Cl. 131-136.000.

Dickman, James J. Concealed auto litter receptacle. 3,817,434, 6-18-74, Cl. 224-42.42a.

Dickmann, Heinz Hermann; Krattner, Richard; and Mobius, Hans-Dieter; deceased (by Diehnelt, Isolde Mobius Geb; executor), to UHU-Werk H.u.M. Fischer G.m.b.H. Stick for the application of adhesive to substrates. 3,787,345, 1-22-74, Cl. 260-28.50r.

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Dickopp, Gerhard, to Licentia Patent-Verwaltungs-G.m.b.H. Record carrier for storing angularly modulated signals. 3,798,388, 3-19-74, Cl. 179-100.400.

Dickopp, Gerhard; Berlin, Helmut Batsch; and Runge, Wilhelm, to TED Bildplatten Aktiengesellschaft. Storing and reproducing information and carrier therefor with zones of different deformation characteristics. 3,800,099, 3-26-74, Cl. 179-100.10a.

Dickopp, Gerhard, to Licentia Patent-Verwaltungs-G.m.b.H. Radiation transducer system with collimated beam readout of lens modulation elements. 3,818,148, 6-18-74, Cl. 179-100.40r.

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Dickore, Karlfried; Draber, Wilfried; and Eue, Ludwig, to Bayer Aktiengesellschaft. 4-Amino-1,2,4-triazine-5-one, and a process for their production. 3,847,914, 11-12-74, Cl. 260-248.0as.

Dicks, Peter D. J.; and Hill, William M., to Spraymould (Bahamas) Limited. Method for forming a laminate. 3,841,935, 10-15-74, Cl. 156-210.000.

Dickson, Colin G., to Spectrotherm Corporation. Manually operable mechanical and electrical connector. 3,820,135, 6-25-74, Cl. 354-81.000.

Dickson, Frederick Stoever, III; and Williams, Warren Lee, to Du Pont de Nemours, E. I., and Company. Yarn winding apparatus. 3,814,341, 6-4-74, Cl. 242-35.50r.

Dickson, George; and Westergaard, Robert K., to King-Seeley Thermos Co. Ice making machine. 3,791,163, 2-12-74, Cl. 62-347.000.

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Dickson, Robert E.; and Barkin, Stanley M., to Colgate-Palmolive Company. Composition for application of soil-release finish. 3,798,169, 3-19-74, Cl. 252-89.000.

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Dickson, Robert E., to Colgate-Palmolive Company. Composition for imparting non-permanent soil-release characteristics comprising an aqueous acidic solution of polycarboxylate polymer. 3,836,496, 9-17-74, Cl. 260-29.60h.

Dickson, Thomas K., to Hercules Incorporated. Use of certain N-(2,6-dihalobenzylidene)-benzylamines and certain N-(2,6-dihalobenzylidene) phenylethylamines. 3,856,504, 12-24-74, Cl. 71-121.000.

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Diefendorf, Russell J., to Great Lakes Carbon Corporation. Boron deposition on carbon monofilament. 3,811,917, 5-21-74, Cl. 117-47.00r.

Dieffenbach, Percy, to Masterpiece, Inc. Collapsible artificial shrub. 3,811,991, 5-21-74, Cl. 161-24.000.

Dieges, Paul Bertrand. Vaporization of exhaust products in hydrogen-oxygen engine. 3,844,262, 10-29-74, Cl. 123-119.00a.

Diehl: *See—*
Gerum Erich, 3,824,495.
Klein, Friedrich; and Kageler, Peter, 3,821,723.
Mehner, Walter; and Tietz, Werner, 3,821,534.
Meisner, Alfred; and Spitzl, Walter, 3,836,213.
Meisner, Alfred; and Spitzl, Walter, 3,851,385.
Scholle, Karl, 3,839,773.
Stutzle, Dietmar; and Weidner, Peter F., 3,808,975.
Tieben, Heinz, 3,815,504.

Diehl, Alan V. Molding apparatus. 3,792,947, 2-19-74, Cl. 425-411.000.

Diehl, Christiane: *See—*
Bielfeldt, Heinz, 3,835,566.

Diehl, Christiane, heirs: *See—*
Bielfeldt, Heinz, deceased, 3,834,053.

Diehl Datensysteme GmbH: *See—*
Sturm, Konrad, 3,821,672.

Diehl, Elmer Paul, to Babcock & Wilcox Company, The, mesne. Controller having gain selectable independently of controller output. 3,831,099, 8-20-74, Cl. 328-71.000.

Diehl, Francis L., to Procter & Gamble Company, The. Detergent compositions containing oxidized polysaccharide builders. 3,784,475, 1-8-74, Cl. 252-89.000.

Diehl, Francis L., to Procter & Gamble Company, The. Built detergent composition containing whiteness maintenance additive. 3,794,605, 2-26-74, Cl. 252-89.000.

Diehl, Henry T.; and Rouse, James D. Double ratchet wrench. 3,786,698, 1-22-74, Cl. 81-57.390.

Diehl, Karl: *See—*
Bauer, Carl Otto; Bode, Ernst; Diehl, Karl; and Rauhaus, Gerd, 3,854,350.

Diehl, Karl-Heinz: *See—*
Eggensperger, Heinz; Franzen, Volker; Diehl, Karl-Heinz; and Kloss, Wilfried, 3,830,828.
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Diehl, Raymond A.: *See—*
Corkery, Gregory O'C.; and Diehl, Raymond A., 3,801,405.

Diehl, Reiner: *See—*
Pekau, Dietlind; and Diehl, Reiner, 3,818,427.

Diehl, Robert B. Mechanical and electrical control system for a door panic control device. 3,801,144, 4-4-74, Cl. 292-92.000.

Diehl, Robert Eugene; Schrider, Michael Stanley; and Kantor, Sidney, to American Cyanamid Company. Dioxocyclohexanecarboxanilide insecticides and acaricides. 3,801,630, 4-2-74, Cl. 260-551.00s.

Diehl, Robert Eugene; and Walworth, Bryant Leonidas, to American Cyanamid Company. Method of controlling undesirable plant species using 3-nitropyridines. 3,826,643, 7-30-74, Cl. 71-94.000.

Diehl, Robert Eugene; and Magee, Richard Joseph, to American Cyanamid Company. Herbicidal composition and method of using 4-alkyl-amino-3-nitroquinolines. 3,837,836, 9-24-74, Cl. 71-94.000.

Diehl, Robert J.; and Freeman, Robert L., to ACF Industries, Incorporated. Heat responsive safety device for gate valves. 3,838,705, 10-1-74, Cl. 137-75.000.

Diehnelt, Isolde Mobius Geb: *See—*
Dickmann, Heinz Hermann; Krattner, Richard; and Mobius, Hans-Dieter, 3,787,345.

Diehr, Hans-Joachim, to Bayer Aktiengesellschaft. Process for the production of synthetic resins which contain isocyanuarate groups. 3,790,509, 2-5-74, Cl. 260-2.5aw.

Diekman, John D.: *See—*
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Diekman, John D., to Zoecon Corporation. Trialkyltridecatetraendioic acids and esters. 3,793,367, 2-19-74, Cl. 260-485.00r.

Diel, Burkhart; Gregor, Kurt; and Huber, Walther, to Siemens Aktiengesellschaft. Method for mass production of housings for semiconductor devices provided with required connecting terminals. 3,811,187, 5-21-74, Cl. 29-630.00r.

Dielectrics International Limited: *See—*
Burton, Edward Arthur, 3,845,233.

Dieling, Hans; and Schindehutte, Manfred, to Wegmann & Co. Motorized swivel truck for rail vehicles, especially streetcars. 3,830,166, 8-20-74, Cl. 105-77.000.

Dielman, Harold J., to Sanymetal Products Co., Inc., The. Door latch. 3,799,593, 3-26-74, Cl. 292-145.000.

Dielman, Harold J., to Sanymetal Products Co., Inc., The. Toilet compartment for physically handicapped. 3,813,836, 6-4-74, Cl. 52-239.000.

Diels, Manfred: *See—*
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Diem, Hans: *See—*
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Diem, Rudolf, to SKF Kugellagerfabriken GmbH. Roller support and drive arrangement for roller testing devices. 3,787,983, 1-29-74, Cl. 33-174.00q.

Diem, Rudolf; and Meurer, Horst, to SKF Industrial Trading and Development Company N.V. Apparatus for testing ball bearings. 3,803,904, 4-16-74, Cl. 73-67.50r.

Diemart, John R.: *See—*
Norbutas, Stanley R.; and Diemart, John R., 3,829,946.

Diemer, Bodo. Frame to assemble after unitized construction. 3,831,336, 8-27-74, Cl. 52-648.000.

Diemer, Peter; Preusser, Gerhard; and Radusch, Paul, to Koppers, Heinrich, Gesellschaft mit beschrankter Haftung. Process for eliminating the formation of waste liquor during the desulfurization of coke oven gas. 3,840,653, 10-8-74, Cl. 423-573.000.

Diemond, Joseph; and Greenberg, Leonard E., to Coleco Industries, Inc. Pool with twirling seewaw. 3,813,702, 6-4-74, Cl. 4-172.000.

Diena, Alberto: *See—*
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Lancini, Giancarlo; Lazzari, Ettore; and Diena, Alberto, 3,830,837.

Diener, Rudolf, to Autoelektronik AG. Floatless carburetor for internal combustion engines. 3,794,302, 2-26-74, Cl. 261-36.00a.

Diepers, Heinrich: *See—*
Martens, Hans; Diepers, Heinrich; and Muller, Alfred, 3,784,452.

Diepers, Heinrich; Schmidt, Otto; and Kress, Reinhard, to Siemens Aktiengesellschaft. Method for anodic oxidation of the interior surface of a hollow niobium body provided with at least one opening. 3,827,950, 8-6-74, Cl. 204-26.000.

Diepers, Heinrich; and Schmidt, Otto, to Siemens Aktiengesellschaft. Method for the electrolytic polishing of niobium structures. 3,850,769, 11-26-74, Cl. 204-129.430.

Diepeveen, John C. Wire bonding apparatus. 3,806,019, 4-23-74, Cl. 228-3.000.

Diepeveen, John C. Die frame support with heater element. 3,809,860, 5-7-74, Cl. 219-385.000.

Diepeveen, John C. Apparatus for incremental movement of die frame. 3,840,163, 10-8-74, Cl. 226-64.000.

Diepeveen, John C. Actuator for tool moving mechanism. 3,848,473, 11-19-74, Cl. 74-53.000.

Dier, Stephen A.: *See—*
Cornyn, William S., Jr.; Dier, Stephen A.; and Lynas, Robert M., 3,845,288.

Dierckx, Jozef Aime: *See—*
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Dierckx, Ludovicus M.: *See—*
Alexander, Alex F.; Dierckx, Ludovicus M.; and Van Raevels, Alphonse S. J., 3,838,849.

Dierichs, Helmut: *See—*
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Dieringer, Andrew M.; and Katcha, Frank F., to Rex Chainbelt Inc. Rail anchor applicator with automatic cycle and loading mechanism. 3,841,221, 10-15-74, Cl. 104-17.00a.

Dierker, Joachim: *See—*
Ortner, Lorenz; Heinzelmann, Karl-Georg; Conrad, Bernd; and Dierker, Joachim, 3,847,696.
Prag, Rudolf; and Dierker, Joachim, 3,812,361.

Dierkes, Hermann, to Rheinstahl Henschel Aktiengesellschaft. Optical device and support in a vehicle. 3,796,478, 3-12-74, Cl. 350-85.000.

Diersbock, Gunther Rudolph; to Timex Corporation. Horological movement employing inductive stepping motor. 3,824,781, 7-23-74, Cl. 58-23.00r.

Diersing, Raymond A., to Square D Company. Plug-on circuit breaker mounting device pluggable onto a bus bar stack for relatively large plug-on circuit breakers and including means for mounting relatively small plug-on circuit breakers not pluggable onto th bus bar stack. 3,787,712, 1-22-74, Cl. 317-119.000.

Diersing, Raymond A.; Morrill, Robert J.; and Stanback, Harris I., to Square D Company. Service section switchboard with horizontally extending bus bar stack and means for mounting some circuit breakers with load terminals facing vertical wiring trough andother circuit breakers with load terminals facing horizontal wiring trough. 3,787,713, 1-22-74, Cl. 317-119.000.

Diery, Helmut: *See—*
Kuhne, Rudolf; Diery, Helmut; and Rittner, Siegbert, 3,795,626.
Kuhne, Rudolf; Diery, Helmut; Rehberg, Rolf; and Hamal, Heinrich, 3,802,624.

Diery, Helmut; Rittner, Siegbert; and Lorke, Horst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Metal working agents. 3,788,991, 1-29-74, Cl. 252-33.600.

Diery, Helmut; Seeger, Karl; Schneider, Gerhart; and Bucking, Hans-Walter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Anti-microbially active surface-active compounds. 3,795,704, 3-5-74, Cl. 260-534.00r.

Diery, Helmut; and Heiss, Lorenz. Halogenoalkyl-polyglycol ethers and process for preparing them. 3,829,508, 8-13-74, Cl. 260-615.00b.

Diery, Helmut; Cuntze, Ulrich; May, Adolf; and Milewski, Eckhard, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Imidazolinium salts as softening agents for textiles. 3,849,435, 11-19-74, Cl. 260-309.600.

Diery, Helmut; and Cuntze, Ulrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Hybrid ionic phosphorus compounds. 3,856,893, 12-24-74, Cl. 260-924.000.

Diesel Equipment, Limited: *See—*
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Diesel Kiki Kabushiki Kaisha: *See—*
Kobayashi, Masayoshi; Ohtani, Yoshio; and Abe, Mitsunobu, 3,797,469.

Diesen, Ronald W.: *See—*
Murchison, Craig B.; Bailey, Robert E.; and Diesen, Ronald W., 3,819,516.
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Diessel GmbH & Co.: *See—*
Sanden, Ullrich, 3,839,909.

Dietch, Leonard, to Zenith Radio Corporation. Rectangular grade black surround screen. 3,790,839, 2-5-74, Cl. 313-92.00r.

Dietch, Leonard, to Zenith Radio Corporation. Instant play television receiver with constant voltage transformer. 3,798,369, 3-19-74, Cl. 178-7.50r.

Dieter, Jerry A.: *See—*
Frisch, Kurt C.; Reegen, Sidney; and Dieter, Jerry A., 3,813,365.

Dieter, Jerry A.; Russell, Donald H.; and Sauer, Richard W., to Atlantic Richfield Company. Cyclic nitrile adduct-epoxide compositions. 3,856,720, 12-24-74, Cl. 260-2.50a.

Dieter, Julian A.: *See—*
Weichhand, Robert J.; Schuler, Ralph J.; and Dieter, Julian A., 3,811,330.

Dieter, Julian A., to Jones, R. A., and Company, Incorporated. Drip inhibiting glue nozzle. 3,791,590, 2-12-74, Cl. 239-459.000.

Dieterich, Dieter: *See—*
Reiff, Helmut; Dieterich, Dieter; and Ziemann, Heinz, 3,803,152.
Reiff, Helmut; and Dieterich, Dieter, 3,822,316.

Dieterich, Peter D. Sampling and flow measuring device. 3,803,921, 4-16-74, Cl. 73-422.00r.

Dietert, Harry W., to Dietert, Harry W., Co. Structure for ultrasonic screening. 3,782,547, 1-1-74, Cl. 209-268.000.

Dietert, Harry W., to Dietert, Harry W., Co. Apparatus for and method of granular material testing. 3,808,881, 5-7-74, Cl. 73-93.000.

Dietert, Harry W., Co.: *See—*
Dietert, Harry W., 3,782,547.
Dietert, Harry W., 3,808,881.

Diethelm, Beda, to AG fur Elektroakustik. In ear hearing apparatus. 3,852,540, 12-3-74, Cl. 179-107.00e.

Dietl, Hans K., to Eastman Kodak Company. Synthesis of 1,5-dimethyl-6, 8-dioxabicyclo(3.2.1)octane. 3,828,075, 8-6-74, Cl. 260-340.900.

Dietlein, Robert W. Plastic sleeve encapsulated fastener locking insert and assembly. 3,835,906, 9-17-74, Cl. 151-21.00b.

Dietmann, Karl: *See—*
Kampe, Wolfgang; Fauland, Erich; Stork, Harald; Juhran, Wolfgang; and Dietmann, Karl, 3,817,981.
Winter, Werner; Thiel, Max; Stach, Kurt; Dietmann, Karl; and Bartsch, Wolfgang, 3,793,365.
Winter, Werner; Thiel, Max; Stoch, Kurt; Schaumann, Wolfgang; Dietmann, Karl; and Ritter, Klaus, 3,803,324.

Dietrich, Alfred T.: *See—*
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Dietrich, Catherine Coleman: *See—*
Dietrich, Howard H., deceased, 3,815,713.

Dietrich, Charles. Air filter and air filtering system. 3,856,491, 12-24-74, Cl. 55-478.000.

Dietrich, Dieter: *See—*
Assmus, Friedrich; Flaig, Hans; Dietrich, Dieter; and Hartner, Leo, 3,820,105.

Dietrich, Fred J.; Koloboff, George J.; Martel, Robert J.; and Johnson, Chester C., to United States of America, National Aeronautics and Space Administration. Amplitude steered array. 3,806,932, 4-23-74, Cl. 343-100.0sa.

Dietrich, Heinz J.: *See—*
Steiger, Edward L.; and Dietrich, Heinz J., 3,799,971.

Dietrich, Henri; and Lehmann, Claude, to Ciba-Geigy Corporation. P-aminoalkyl benzenesulfonamide derivatives for treating diabetes mellitus. 3,787,574, 1-22-74, Cl. 424-266.000.

Dietrich, Henri; and Lehmann, Claude, to Ciba-Geigy Corporation. P-(acetoaceta midoalkyl)benzenesulfonamide derivatives as hypoglycermicagents. 3,794,737, 2-26-74, Cl. 424-273.000.

Dietrich, Henri; and Lehmann, Claude, to Ciba-Geigy Corporation. Derivatives of p-aminoalkylbenzene sulfonamide. 3,812,144, 5-21-74, Cl. 260-309.700.

Dietrich, Howard H., deceased (by Dietrich, Catherine Coleman; executrix). Clutch released brake lock. 3,815,713, 6-11-74, Cl. 192-13.00a.

Dietrich, Isolde: *See—*
Zerbst, Helmut; Weyl, Reinhard; and Dietrich, Isolde, 3,821,554.

Dietrich, Johann: *See—*
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Dietrich, Johannes: *See—*
Pfeiffer, Kurt; Dietrich, Johannes; Beckmann, Gunter; and Herkt, Karl-Heinz, 3,785,430.

Dietrich, John W. Home simulator. 3,833,819, 9-3-74, Cl. 307-141.800.

Dietrich, Joseph J., to Diamond Shamrock Corporation. Vinyl chloride graft polymers and process for preparation thereof. 3,853,970, 12-10-74, Cl. 260-878.00r.

Dietrich, Joseph R.: *See—*
Bevilacqua, Frank; Dietrich, Joseph R.; Groves, Malcolm D., and Flinn, William S., 3,843,471.

Dietrich, Joseph R.; and Groves, Malcolm D., to Combustion Engineering, Inc. Bottom actuated reactor control rod devices 3,855,060, 12-17-74, Cl. 176-36.00r.

Dietrich, Karl-Heinz: *See—*
Pfeifer, Josef; Ambraschka, Kasimir; Koopmann, Adolf; Hofmann, Wilfried; Dietrich, Karl-Heinz; and Rauffer, Walter, 3,792,923.
Pfeifer, Josef; Hofmann, Wilfried; and Dietrich, Karl-Heinz, 3,827,802.

Dietrich Manufacturing, Inc.: *See—*
Dietrich, William J., 3,799,079.
Dietrich, William J., Sr., 3,815,958.
Kinzenbaw, Jon E., 3,817,333.

Dietrich, Richard Johann. Curtain facade for skeleton and partition-type building. 3,805,465, 4-23-74, Cl. 52-235.000.

Dietrich, Toni, to Will, Wilhelm, KG, Firma. Supporting mount for an instrument stand. 3,795,377, 3-5-74, Cl. 248-125.000.

Dietrich, Werner; Uhlig, Konrad; Wagner, Kuno, Maaben, Dieter; Conrad, Horst; Bormann, Heinrich; and Piechota, Helmut, to Bayer Aktiengesellschaft. Process for the production of polyurethane foam resins. 3,793,268, 2-19-74, Cl. 260-2.5at.

Dietrich, Werner; Wagner, Kuno; Richert, Karl Hartwig; Kleimann, Helmut; Konig, Christian; and Meckel, Walter, to Bayer Aktiengesellschaft. Polyisocyanates which contain biuret groups. 3,824,266, 7-16-74, Cl. 260-453.0ab.

Dietrich, Werner; Reiff, Helmut; Andres, Karlheinz; Niggemann, Johannes; and Roos, Ernst, to Bayer Aktiengesellschaft. Process for the production of hydrophilic foam plastics. 3,838,075, 9-24-74, Cl. 260-2.50a.

Dietrich, Werner, to Kalle Aktiengesellschaft. Portable case. 3,850,365, 11-26-74, Cl. 229-52.00b.

Dietrich, William C., to United States of America, Atomic Energy Commission. Chemical trap. 3,846,256, 11-5-74, Cl. 203-33.000.

Dietrich, William J., to Dietrich Manufacturing, Inc. Applicator for depositing anhydrous ammonia underground. 3,799,079, 3-26-74, Cl. 111-7.000.

Dietrich, William J., Sr., to Dietrich Manufacturing Inc. Assembly for attaching auxiliary wheels to a tractor. 3,815,958, 6-11-74, Cl. 301-41.00r.

Dietrich, Wilson G. Board game with gravity projector and projectile therefor. 3,843,129, 10-22-74, Cl. 273-120.00r.

Dietsche, Wolfram: *See—*
Adolphi, Heinrich; Dietsche, Wolfram; Merger, Franz; Beutel, Peter; and Huber, Rolf, 3,847,936.
Beutel, Peter; Koenig, Karl-Heinz; Dietsche, Wolfram; and Adolphi, Heinrich, 3,798,230.

Dietz, Charles H.: *See—*
Frech, Roger A.; Dietz, Charles H.; and Hauerbach, Markvard, 3,854,817.

Dietz, Conter, to Gebr. Happich GmbH. Means for controlling illumination of control or service elements on motor vehicle. 3,792,248, 2-12-74, Cl. 240-1.0el.

Dietz, Earl D., to Owens-Illinois, Inc. Tooth filling and facing compositions comprising a radiopaque glass and method of making the same. 3,801,344, 4-2-74, Cl. 106-300.000.

Dietz, Earl D., to Owens-Illinois, Inc. Tooth filling and facing compositions comprising a radiopaque glass and method of making the same. 3,826,778, 7-30-74, Cl. 260-42.470.

Dietz, Earl D.; and Wengert, Paul R., to Owens-Illinois, Inc. Method of melting laser glass in a noble metal container in a controlled reducing atmosphere. 3,837,828, 9-24-74, Cl. 65-32.000.

Dietz, George C.; and Gross, William G., to Armstrong Cork Company. Electric curing oven. 3,783,238, 1-1-74, Cl. 219-395.000.

Dietz, Gerald Edward; and Matthews, Russell Byron, to Johnson Service Company. Solid state spark ignition circuit with automatic shut-off. 3,806,305, 4-23-74, Cl. 431-74.000.

Dietz, Gerardus, to U.S. Philips Corporation. Developing device for electrostatic charge images. 3,823,689, 7-16-74, Cl. 118-637.000.

Dietz, Helmut: *See—*
Schreiner, Horst; Geldner, Ernst; and Dietz, Helmut, 3,836,807.

Dietz, Henry G. Differential pressure switch with hinged plate on diaphragm. 3,852,547, 12-3-74, Cl. 200-834.000.

Dietz, Kurt, to Siemens Aktiengesellschaft. X-ray tube. 3,801,847, 4-2-74, Cl. 313-60.000.

Dietz, Kurt; Lenert, August; Silbermann, Karl; Appelt, Gunther; and Elsas, Adolf; deceased (by Elsas, Agnes, heir), to Siemens Aktiengesellschaft. Rotary anode and an X-ray tube provided therewith. 3,836,803, 9-17-74, Cl. 314-60.000.

Dietz, Raymond Louis: *See—*
Minneman, Lester C.; Trease, Ralph E.; Wills, Lowell J.; and Dietz, Raymond Louis, 3,830,651.

Dietz, Raymond Louis; and McFadden, Allan L., to Owens-Illinois, Inc. Zircon containing printing paste for overglaze coating of microelectronic circuits on ceramic substrates. 3,787,218, 1-22-74, Cl. 106-39.500.

Dietz, Raymond Louis, to Owens-Illinois, Inc. Multilayer dielectric. 3,808,042, 4-30-74, Cl. 117-217.000.

Dietz, Raymond Louis, to Owens-Illinois, Inc. Multilayer dielectric. 3,846,222, 11-5-74, Cl. 161-162.000.

Dietz, Walter, to Lindemann Maschinenfabrik GmbH. Storage tank for garbage. 3,838,781, 10-1-74, Cl. 214-17.00c.

Dietz, William H.: *See—*
Tausch, Gilbert H.; Watkins, Fred E.; and Dietz, William H., 3,786,867.
Terral, Ben D.; and Dietz, William H., 3,807,498.
Watkins, Fred E.; and Dietz, William H., 3,799,204.

Dietz, Wolfgang, to Siemens Aktiengesellschaft. Device for the diffusion of doping material. 3,805,734, 4-23-74, Cl. 118-48.000.

Dietz, Wolfgang Friedrich Wilhelm, to RCA Corporation. Raster correction circuit utilizing a parabolically varying load circuit. 3,825,793, 7-23-74, Cl. 315-276.00d.

Dietz, Wolfgang Friedrich Wilhelm, to RCA Corporation. Horizontal deflection system with boosted B plus. 3,812,595, 8-27-74, Cl. 315-27.0td.

Dietze, Wolfgang: *See—*
Kasper, Andreas; and Dietze, Wolfgang, 3,793,984.
Resuschel, Konrad; and Dietze, Wolfgang, 3,805,735.
Reuschel, Konrad; and Dietze, Wolfgang, 3,853,974.

Dietze, Wolfgang, to Siemens Aktiengesellschaft. Method and device for the production of tubular members of silicon. 3,820,935, 6-28-74, Cl. 425-447.000.

Dietze, Wolfgang; Reuschel, Konrad; and Stut, Hans, to Siemens Aktiengesellschaft. Fixture for positioning semiconductor discs in a diffusion furnace. 3,828,726, 8-13-74, Cl. 118-500.000.

Dietze, Wolfgang; Emeis, Reimer; Keller, Wolfgang; Muehlbauer, Alfred; and Reuschel, Konrad, to Siemens Aktiengesellschaft. Device for holding semiconductor discs during high temperature treatment. 3,834,349, 9-10-74, Cl. 118-500.000.

Dietzel, Karl; Peilstocker, Gunter; Meyer, Karl-Heinrich; and Streib, Hugo, to Bayer Aktiengesellschaft. Safety panes. 3,821,071, 6-28-74, Cl. 161-183.000.

Dietzel, Kenneth H.: *See—*
Skarin, Carl R.; Dietzel, Kenneth H.; and Gendron, Roger J., 3,831,780.

Dietzel, Klaus, to Zako Rohrverbindungen GmbH & Co. KG. Proces and arrangement for double flanging or pipes. 3,833,984, 9-10-74, Cl. 29-157.00r.

Dietzel, Walter; and Matusch, Siegfried, to Braunschweigische Maschinenbauanstalt. Diffusion tower. 3,794,521, 2-26-74, Cl. 127-5.000.

Dietzel, Walter; and Matusch, Siegfried, to Braunschweigische Maschinenbauanstalt. Driving mechanism for a diffusion tower. 3,807,250, 4-30-74, Cl. 74-410.000.

Dietzgen Corporation: *See—*
Brownscombe, Philip J., 3,815,975.
Brownscombe, Philip J., 3,834,800.

Dieulesaint, Eugene: *See—*
Hartemann, Pierre; and Dieulesaint, Eugene, 3,813,618.

DiFazio, James Joseph; Giuffre, George Joseph; and Karsch, Arthur Frederick, to International Business Machines Corporation. Latent image mask repair. 3,843,362, 10-22-74, Cl. 96-38.300.

Difazio, Joseph, to Acron Products Company. Cored insulated door. 3,786,609, 1-22-74, Cl. 52-619.000.

Diffenderfer, Walter L.: *See—*
McFarland, Frederick R.; and Diffenderfer, Walter L., 3,838,615.

DiFiore, Lucio; and Calcagno, Benedetto, to Societa' Italiana Resine S.I.R. S.p.A. Process for the preparation of alkyl aromatic compounds. 3,823,197, 7-9-74, Cl. 260-671.00b.

DiFrank, Frank J.: *See—*
Buhs, Marion W.; Cousino, Reynold J.; and DiFrank, Frank J., 3,818,812.

Digby, James J., to Bendix Corporation, The. Pinion for starter gearing. 3,798,977, 3-26-74, Cl. 74-6.000.

Diggs, Richard E. Quick-connect fittings for a trickle type irrigation system. 3,833,019, 9-3-74, Cl. 138-45.000.

Dighe, Shirkant V., to Grace, W. R., & Co. Tetrakis (3-mercaptopropyl) ether of pentaerythritol, C (CH_2 OCH_2 CH_2 CH_2 SH) 4. 3,823,191, 7-9-74, Cl. 260-609.00r.

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Long, Thomas R.; Miller, Warren H., Jr.; and Campbell, Scott V., 3,782,716.

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Moyer, Ronald G.; and Emory, Thomas M., Jr., 3,822,363.

Digilux Corporation: *See—*
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DiGiulio, Adolph V., to Arco Polymers, Inc. Dicarboxylic acid imide copolymers. 3,840,499, 10-8-74, Cl. 260-78.50t.

Digney, Charles J., to Honeywell Inc. Printing apparatus for multiple-point recorder with selectable number printing. 3,838,430, 9-24-74, Cl. 346-61.000.

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Diguilio, Guy, to Sperry Rand Corporation. Plated wire memory. 3,853,717, 12-10-74, Cl. 204-28.000.

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Ueno, Katsujiro; Miyazaki, Seiichi; and Akashi, Akira, 3,840,539.

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Dijkstra, Fokke Cornelius; Groothuizen, Theodorus Maria; Pasman, Hermanus Johannes; and Van De Putte, Tonny, to Nederlandse Organisate voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer. Furnace. 3,842,181, 10-15-4, Cl. 13-22.000.

Dijkstra, Rinse, to U.S. Philips Corporation. Method of producing an aqueous emulsion of a phenol formaldehyde resol resin suitable for impregnating fibrous material. 3,843,575, 10-22-74, Cl. 260-29.300.

Dika, Jerry Felix: *See—*
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Dika, Michael; and Dika, Jerry Felix. Tree felling apparatus. 3,848,648, 11-19-74, Cl. 144-34.00a.

Dikoff, Joseph K. Check protector. 3,828,664, 8-13-74, Cl. 101-19.000.

Dikoff, Joseph K. Signature writer. 3,855,926, 12-24-74, Cl. 101-336.000.

DiLaura, Ercole Thomas. External waste pipe support stand for trailers. 3,809,348, 5-7-74, Cl. 248-49.000.

Dilby, Clell A., Jr., to United States of America, Navy. Device for changing pitch of an audio signal to improve intelligibility. 3,828,134, 8-6-74, Cl. 179-1.0sa.

Dildy, Clell A., Jr.; and Dettbarn, Arthur K., to United States of America, Navy. Digital raster generator. 3,858,085, 12-31-74, Cl. 315-367.000.

Dilello, Carmen J.; and Hart, David K., to Cir-Cut Corporation. Cutting rule. 3,855,892, 12-24-74, Cl. 83-835.000.

Diliberto, Joseph F. Tooth extraction vibrator. 3,827,148, 8-6-74, Cl. 32-61.000.

Dilillo, Franklin M.; and Dilillo, Michael A. Excavating apparatus. 3,845,871, 11-5-74, Cl. 214-145.000.

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Dill, Dale R.; and Springer, William O., to Monsanto Company. Solid, non-caking, free-flowing styrene maleic anhydride compositions. 3,792,119, 2-12-74, Cl. 260-874.000.

Dill, Douglas W., to Johnson, S. C., & Son, Inc. Clay composition containing powdered polymer. 3,817,897, 6-18-74, Cl. 260-29.6xa.

Dill, Hans G. Rotating ring display. 3,798,640, 3-19-74, Cl. 340-378.00r.

Dill, Herbert C.; and Scales, Stanley R., to Hughes Tool Company. Boronized drill bit cutters. 3,842,921, 10-22-74, Cl. 175-374.000.

Dill, Joe B. Fence post brace bracket. 3,833,201, 9-3-74, Cl. 256-35.000.

Dill, Walter R.; Chatterji, Jiten; and Knox, John A., to Halliburton Company. Additives for temporarily plugging portions of subterranean formations and methods of using the same. 3,797,575, 3-19-74, Cl. 166-282.000.

Dillard, Donald E.: *See—*
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Tringali, Dominick; and Dillard, John W., 3,849,783.

Dillard, John W.; Tringali, Dominick; and Swartz, Richard L., to Universal Business Machines, Incorporated. Automatic article sorting machine. 3,814,242, 6-4-74, Cl. 209-111.700.

Dillard, Paul A.; and Williamson, Clyde E., to TRW Inc. Self-erecting and rigidizing deployable panel and panel assembly. 3,783,029, 1-1-74, Cl. 136-89.000.

Dillard, Robert D.; and Pavey, Donald E., to Lilly, Eli, and Company. Diethynylbenzyl alcohols as herbicides. 3,794,480, 2-26-74, Cl. 71-122.000.

Dillard, Robert D., to Lilly, Eli, and Company. Novel diethynylcarbinols and ethers. 3,794,689, 2-26-74, Cl. 260-618.00e.

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Dille, Kenneth L.; Saines, George S.; and Arkell, Alfred, to Texaco Inc. Jet fuel manufacture. 3,791,958, 2-12-74, Cl. 208-15.000.

Dille, Roger M.; and Chapman, Ronald W., to Texaco Inc. Method of reducing the viscosity of carbon-containing oils. 3,846,087, 11-5-74, Cl. 44-51.000.

Dillen, Sten Oskar: *See—*
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Dillenberg, Horst. Aqueous electrolytic stripping bath. 3,788,958, 1-29-74, Cl. 204-146.000.

Dillenburg, Helmut; Honig, Helmut; and Siegel, Rudolf, to Kali-Chemie Aktiengesellschaft. Method for producing sodium perborate trihydrate. 3,832,447, 8-27-74, Cl. 423-281.000.

Dillenburger, Werner, to Day's Tailor-D Clothing, Inc. Single-piece overlapping waistband for pants. 3,843,973, 10-29-74, Cl. 2-236.000.

Dillenschneider, Jean Paul, to Compagnie Generale des Etablissements Michelin raison Sociale Michelin & Cie. Tire having folded tread-reinforcement ply with cord in each fold. 3,831,657, 8-27-74, Cl. 152-361.0fp.

Dillenschneider, Jean-Paul, to Compagnie Generale des Etablissements Michelin raison sociale Michelin & Cie. Vulcanization of EPDM elastomers. 3,812,087, 5-21-74, Cl. 260-79.50c.

Diller, Isaac M. Method and apparatus for the activation of an electrolytic cell. 3,806,433, 4-23-74, Cl. 204-67.000.

Diller, Kenneth. Shipping and carrying container for pots. 3,852,912, 12-10-74, Cl. 47-34.110.

Dilley, Earl H. Electric outboard motor. 3,791,331, 2-12-74, Cl. 115-17.000.

Dillinger, Lester L. Method of reconditioning a heat exchanger. 3,848,371, 11-19-74, Cl. 51-241.500.

Dillinger, Roy R. Precision hole spotting tool. 3,816,933, 6-18-74, Cl. 33-189.000.

Dillingham, Edward, to Data Source Corporation. Polling interrupt for data information system. 3,795,895, 3-5-74, Cl. 340-163.00r.

Dillingham, Frank W.; and O'Fiel, J. C. Dudley, Jr., to Shur-Flo, Inc. Pneumatic tool for reverse working sewer connections. 3,792,601, 2-19-74, Cl. 72-76.000.

Dillman, Richard F.; Larsen, James L.; and Nardizzi, Alfred M., to Hewlett-Packard Company. Electrocardiograph telemetry system having circuitry for indicating inoperative conditions. 3,829,782, 8-13-74, Cl. 325-186.000.

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Dillon, Bernice P. Car locator key holder. 3,829,994, 8-20-74, Cl. 40-2.00a.

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Dillon, Glenn W., to Thermo Electron Corporation. Apparatus for measuring nox concentrations. 3,856,473, 12-24-74, Cl. 23-254.00e.

Dillon, Janus J., to Food Equipment, Inc. Fowl agitating and wetting system. 3,797,068, 3-19-74, Cl. 17-11.000.

Dillon, Janus J., to Food Equipment, Inc. System for automatically washing the interior of fowl carcasses. 3,803,669, 4-16-74, Cl. 17-11.000.

Dillon, Joseph, Jr.; Van Uitert, Legrand Gerard; and Wemple, Stuart Harry, to Bell Telephone Laboratories, Incorporated. Magneto-optic modulators. 3,811,096, 5-14-74, Cl. 332-7.510.

Dillon, Marcel Octave, to Pont-A-Mousson S.A. and Societe des Emballages Moules Sem. Machine for grouping objects such as bottles. 3,802,154, 4-9-74, Cl. 53-154.000.

Dillon, Michael L.: *See—*
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Dillon, Thomas J., to Forest City Dillon, Inc. Building formed of cast vertical and horizontal members. 3,818,660, 6-25-74, Cl. 52-251.000.

Dillon, Thomas J.; and Warshaw, Abe, to Chemical Construction Corporation. Production of low sulfur coal. 3,824,084, 7-16-74, Cl. 44-1.00r.

Dillon, W. C., & Company, Inc.: *See—*
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Hurko, Bohdan; and Dills, Raymond L., 3,826,898.

Dills, Raymond L., to General Electric Company. Textured continuous cleaning surface for cooking ovens. 3,783,853, 1-8-74, Cl. 126-19.00r.

Dilny, Mike M. Adjustable boom attachment. 3,851,777, 12-3-74, Cl. 214-620.000.

Dilo, Richard, to Oskar Dilo KG Machinenfabrik. Needle punching machine. 3,829,939, 8-20-74, Cl. 28-4.00r.

Dilot, Rolf Magnus. Compartmented container. 3,829,003, 8-13-74, Cl. 229-31.00r.

Dilpers, Heinrich; and Musebeck, Horst, to Siemens Aktiengesellschaft. Method of producing a composite conductor band for use in making a tubular superconductor. 3,783,503, 1-8-74, Cl. 29-599.000.

Dils, Eugene W., Jr.; Ward, Larry A.; and Ward, Robert A., to Garon Company. Fish feeding apparatus. 3,786,784, 1-22-74, Cl. 119-51.00r.

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Dimigen, Heinz, to U.S. Philips Corporation. Method of manufacturing etched patterns in thin layers having defined edge profiles. 3,839,177, 10-1-74, Cl. 204-192.000.
DiMinno, Philip J., Jr., to United Aircraft Corporation. Water separator. 3,834,126, 9-10-74, Cl. 55-210.000.
Dimino, Alfonso, to ADM Tronics. Water-based binder for magnetic tape. 3,795,539, 3-5-74, Cl. 117-235.000.
Dimitracopoulos, Panayotis C. Audiovisual apparatus. 3,825,332, 7-23-74, Cl. 353-19.000.
Dimitracopoulos, Panayotis C. Audiovisual disc projector. 3,827,794, 8-6-74, Cl. 353-18.000.
Dimitracopoulos, Panayotis C. Method of making molds for molding or casting optical parts and the like. 3,840,977, 10-15-74, Cl. 29-460.000.
Dimitri, Mitchell S., to Westvaco Corporation. Stabilized cleaning paste. 3,803,041, 4-9-74, Cl. 252-171.000.
Dimitri, Mitchell S., to Westvaco Corporation. Production of high surface area lignins by spray drying. 3,808,192, 4-30-74, Cl. 260-124.00r.
Dimitriadis, Andre C., to Intertech, Inc. Electronic locking system. 3,797,936, 3-19-74, Cl. 356-71.000.
Dimitriadis, George; and Alwood, Gloria Belle Dimitriadis. Sandwich package. 3,830,944, 8-20-74, Cl. 426-113.000.
Dimitrik, Paul. Air purifier. 3,844,741, 10-29-74, Cl. 55-102.000.
Dimmer, Charles L.; and Perry, Eric, to Nobilium Products, Inc. Centrifugal casting and curing apparatus. 3,844,702, 10-29-74, Cl. 425-425.000.
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Dimmock, John O.; Melngailis, Ivars; and Strauss, Alan J., to Massachusetts Institute of Technology. Method and means of construction of a semiconductor material for use in a laser. 3,794,844, 2-26-74, Cl. 250-370.000.
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Dine, Lester A.; and Lemmey, Edgar S. Close-up flash camera attachment. 3,836,927, 9-17-74, Cl. 354-80.000.
Dinerman, Bernard B.; and Schroeder, Franklin T., to Burroughs Corporation. Shared memory addressor. 3,828,320, 8-6-74, Cl. 340-172.500.
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Dinger, Edward H., to General Electric Company. Current limit circuit for a DC motor. 3,812,409, 5-21-74, Cl. 318-310.000.
Dinger, Edward H., to General Electric Company. DC motor speed control circuit. 3,813,591, 5-28-74, Cl. 318-331.000.
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Dingler, Tony Howard. Dumping accessory for pick-up trucks and the like. 3,833,261, 9-3-74, Cl. 298-1.00a.
Dingman, Charles Wesley, II. Molecular models for nucleic acids 3,854,223, 12-17-74, Cl. 35-18.00a.
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Dinh-Nguyen, Nguyen; and Stenhagen, Einar August, to Incentive Research & Development AB. Method of deuterating organic compounds. 3,849,458, 11-19-74, Cl. 260-413.000.
Dinh-Tuan Ngo, Peter, to Bell Telephone Laboratories, Incorporated. Light pen detection for plasma display system using specially-timed erase pulse. 3,851,327, 11-26-74, Cl. 340-324.00m.
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Dinkloh, Walter; and Spennemann, Wilhelm, to Linde Aktiengesellschaft. Vehicle with stepless drive and auxiliary braking force. 3,823,792, 7-16-74, Cl. 180-82.000.
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Dinning, Robert W., to Macco Oil Tool Co., Inc. Side pocket kickover tool. 3,799,259, 3-26-74, Cl. 166-117.500.
Dinning, Robert W., to Macco Oil Tool Co., Inc. Apparatus for selectively receiving and releasing well tools. 3,827,491, 8-6-74, Cl. 166-224.000.
Dinning, Robert W., to Macco Oil Tool Co., Inc. Selective positioning well tool apparatus. 3,856,082, 12-24-74, Cl. 166-154.000.
Dinse, Wilhelm. Shield-gas welding gun. 3,798,410, 3-19-74, Cl. 219-130.000.
Dinse, Wilhelm. Single-pole electrical plug connection for shielded arc welding apparatus. 3,847,287, 11-12-74, Cl. 219-130.000.
Dinsmore, Robert L.; and Ivey, Herbert D., to Lubrication Company of America. Cyclic sulfur-chlorinated oil and process of making. 3,847,827, 11-12-74, Cl. 252-48.800.
Dinsmore, Robert L.; and Ivey, Herbert D., to Lubrication Company of America. Sulfur halogenated cutting oil and process of making. 3,852,206, 12-3-74, Cl. 252-48.800.
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Diolot, Lucien, to Societe Nouvelle Spidem. Device for detecting and correcting defects in the flatness of a product in strip form. 3,817,095, 6-18-74, Cl. 73-159.000.
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DiPaolo, Anthony George. Footwear. 3,824,716, 7-23-74, Cl. 36-32.00r.
Dipietro, Joseph; and Stepniczko, Heintich E., to Michigan Chemical Corporation. Apparatus for the determination of flammability and smoke density of polymers. 3,811,839, 5-21-74, Cl. 23-253.0pc.
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Ditlinger, Richard J.; and Brooks; Peter, to Bendix Corporation, The. Automatic brake adjuster and reset having extensionable feature. 3,844,388, 10-29-74, Cl. 188-196.00r.
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Dix, Rollin C. Mobile roadway repair unit. 3,811,147, 5-21-74, Cl. 14-1.000.
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Dixon, Herd Vrill. Detachable safety warning device. 3,837,626, 9-24-74, Cl. 256-64.000.
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Dixon, Richard Wayne; Hackett, William Harold, Jr.; and McGahan, Thomas Edward, to Bell Telephone Laboratories, Incorporated. Preferential etching in gap. 3,791,948, 2-12-74, Cl. 204-129.750.
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Dixon, William D., to Monsanto Company. Benzothiazolinylidene substituted ureas. 3,807,985, 4-30-74, Cl. 71-90.000.
Dixon, William D., to Monsanto Company. Dialkyl acyl phosphonate,O-(alkylcarbamoyl) oximes. 3,819,751, 6-25-74, Cl. 260-938.000.
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Dlugos, Hans Georg; and Zerrmayr, Friedrich, to Kraftwerke Union Aktiengesellschaft. Device for indicating or controlling load changes in steam or gas turbines. 3,832,893, 9-3-74, Cl. 73-116.000.
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Dobbert, Arnold E., to Rheem Manufacturing Company. Gathering means for clippers. 3,783,583, 1-8-74, Cl. 53-138.00a.
Dobbert, Gerd, to International Standard Electric Corporation. Horizontal deflection circuit for television receivers. 3,814,978, 6-4-74, Cl. 315-27.0td.
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Dobbins, John B. Roller, Hopper, scatter shield and brake assembly for precision seeding. 3,815,527, 6-11-74, Cl. 111-11.000.
Dobbins, Mark. Multiple service decking unit. 3,793,793, 2-26-74, Cl. 52-221.000.
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Dobinson, Frank; and Pelezo, Chris A., to Monsanto Company. N,N-dimethylacetamide solutions of polyhydrazides. 3,787,348, 1-22-74, Cl. 260-32.6na.
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Dobner, Reinhold; Willenbacher, Erich; and Baus, Wolfgang, to Pfaff Industriemaschinen GmbH. Sewing machine with differential feed. 3,808,995, 5-7-74, Cl. 112-209.000.
Dobo, Emerick J., to Monsanto Company. Orifice assembly for extruding low-viscosity melts. 3,788,786, 1-29-74, Cl. 425-72.000.
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Dobras, Bruce W.; Vanderpool, James L.; and Humbarger, Ross C., to Monarch Marking Systems, Inc. Record reading system. 3,792,236, 2-12-74, Cl. 235-61.11e.
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Dobrusskin, Alexander; and Leyendecker, Helmut, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. High pressure mercury vapor discharge lamp with metal halide additives. 3,842,307, 10-15-74, Cl. 313-184.000.
Dobry, Alan M.; and Hungtin, R., to Standard Oil Company. Grease thickened with chlorinated aromatic polymer. 3,808,132, 4-30-74, Cl. 252-54.000.
Dobry, Reuven; and Cassamassima, Salvatore, to Beech-Nut, Inc. Infusion package. 3,797,642, 3-19-74, Cl. 206-.500.
Dobry, Reüven, to Tetley Inc., mesne. Infusion package. 3,809,215, 5-7-74, Cl. 206-.500.
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Dobrzelecki, Arthur J.; and Buggeln, Richard C., to United States of America, Air Force. Chemical laser nozzle system. 3,842,363, 10-15-74, Cl. 331-94.50g.
Dobrzhansky, Georgy Fedorovich; Chestmir, Barta; Belyaev, Leonid Mikhailovich; Silvestrova, Iraida Mikhailovna; and Pisarevsky, Jury Vladimirovich. Acoustic optical element utilizing univalent mercury halogenide crystals. 3,843,234, 10-22-74, Cl. 350-161.00.
Dobson, Austin: *See—*
Peacock, George Brandwood; and Dobson, Austin, 3,846,966.
Dobson, Christopher D.; and Willmott, Kenneth Nash Knight. Planetary workholders. 3,783,821, 1-8-74, Cl. 118-48.000.
Dobson, Christopher David. Motor drives for vacuum deposition apparatus. 3,797,452, 3-19-74, Cl. 118-49.000.
Dobson, Donald Rhea: *See—*
Davis, James Howard; and Dobson, Donald Rhea, 3,815,014.
Dobson, George. Latch for tape cassette reels. 3,801,042, 4-2-74, Cl. 242-199.000.
Dobson, Gullick, Limited: *See—*
Allen, Archelaius Dawson, 3,812,681.
Dobson, John C., to Formmet Corporation. Forged ring structure of multiple cast metals. 3,791,706, 2-12-74, Cl. 308-216.000.
Dobson, John W., to International Telephone and Telegraph Corporation. Valve assembly. 3,819,146, 6-25-74, Cl. 251-11.000.
Dobson Park Industries Limited: *See—*
Martin, Dennis Douglas, 3,782,484.
Phillips, Reginald Andrew, 3,800,664.
Polland, Thomas, 3,854,776.
Dobson, Patrick Francis; and Wyman, David Alfred, to Plessey Handel und Investments A.G. Measurement of pressure ratio. 3,798,432, 3-19-74, Cl. 235-151.340.
Dobson, Richard A.: *See—*
Di Paola, John J.; Morse, Charles W.; and Dobson, Richard A., 3,844,514.
Dobson, Richard D., Sr.; and Clifton, Clyde J., to McGraw, Ron J. Bitumen pumping apparatus. 3,809,505, 5-7-74, Cl. 417-424.000.
Dobson, Richard N.; and Webster, Gordon A., to Dominion Foundries & Steel Limited. Process for the fabrication of structural column members. 3,824,661, 7-23-74, Cl. 29-155.00c.
Dobson, Thomas A.: *See—*
Demerson, Christopher A.; Humber, Leslie G.; Santroch, George; Dobson, Thomas A.; and Jirkovsky, Ivo, 3,833,575.
Demerson, Christopher A.; Humber, Leslie G.; Dobson, Thomas A.; and Jirkovsky, Ivo L., 3,843,681.
Demerson, Christopher A.; Humber, Leslie G.; Asselin, Andre A.; Jirkovsky, Ivo; and Dobson, Thomas A., 3,852,285.
Dobychin, Mikhail Nikolaevich: *See—*
Bronovets, Marat Alexandrovich; Dobychin, Mikhail Nikolaevich; Kragelsky, Igor Viktorovich; and Mikhin, Nikolai Matveevich, 3,852,993.

Dochterman, Richard W., to General Electric Company. Mounting adapter means for dynamoelectric machine. 3,848,837, 11-19-74, Cl. 248-14.000.

Dochterman, Richard W., to General Electric Company. System using motor driven control device. 3,854,916, 12-17-74, Cl. 62-180.000.

Docimo, Peter J., to Marvin Electric Manufacturing Company. Downlight with multiplier cone. 3,801,815, 4-2-74, Cl. 240-73.0bc.

Dock & Dock, The Firm of: *See—*
Hunter, Roland L., 3,834,656.

Dockerty, Robert Charles: *See—*
Barile, Conrad Albert; Dockerty, Robert Charles; and Nagarajan, Arunachala, 3,793,090.

Dockerty, Stuart M.; and Lentz, William P., to Corning Glass Works. Method of pressing hollow glass articles. 3,839,003, 10-1-74, Cl. 65-71.000.

Dockery, Benjamin F.; and Mason, Jack H. Apparatus for preparing furniture backs and cushions for tufting. 3,832,083, 8-27-74, Cl. 408-24.000.

Dockhorn, Walter: *See—*
Roll, Harry; Wergau, Jorg; and Dockhorn, Walter, 3,801,560.

Dockner, Toni: *See—*
Spaenig, Hermann; Dockner, Toni; and Frank, Anton, 3,843,676.

Dockstander, Robert J. Flashing jewel pendant. 3,805,047, 4-16-74, Cl. 240-6.40w.

Docksteader, Wesley E. Impact ore mill. 3,834,632, 9-10-74, Cl. 241-187.000.

Dockum, Arthur L. Miniature table model shuffleboard and shuffleboard game. 3,825,264, 7-23-74, Cl. 273-126.00r.

Docutel Corporation: *See—*
Gentile, Fred J.; and Chang, Jack Chu-Wang, 3,833,885.
Johnson, Ivan E., 3,804,274.
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Dodd, Alan Michael: *See—*
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Dodd, Colin R.: *See—*
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Dodd, Edwin D., to Owens-Illinois, Inc. Countertop heating apparatus. 3,830,216, 8-20-74, Cl. 126-39.00j.

Dodd, John Alton, Jr.; and Okamoto, Raymond Fujio, to RCA Corporation. Method of making elliptically or rectangularly graded photoprinting masters. 3,834,905, 9-10-74, Cl. 96-27.00e.

Dodd, Joseph C. Device and method of recovering sticky particulate materials such as algae. 3,836,681, 9-17-74, Cl. 426-272.000.

Dodd, Joseph C. Mixer for algae ponds. 3,855,370, 12-17-74, Cl. 261-92.000.

Dodd Metal Works, Inc.: *See—*
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Dodd, Paul D.; Lynott, John J.; and Treder, John D., to International Business Machines Corporation. Continuously movable information storage and retrieval systems. 3,809,263, 5-7-74, Cl. 214-16.40r.

Dodd, Vaal Ray. Method and apparatus for shaft alignment. 3,783,522, 1-8-74, Cl. 33-181.00r.

Dodds, Dale I. Organic acid addition salts of 1-(butylcarbamoyl)-2-(methylamino)-benzimidazole and method for preparing the same. 3,784,571, 1-8-74, Cl. 260-309.200.

Dodds, Irvine. Letter placement indicator for typewriters and means responsive to the indicator for simultaneous setting of margin stops. 3,785,471, 1-15-74, Cl. 197-63.000.

Doden, Bernard M.: *See—*
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Dodge, David S.: *See—*
Cronin, John C.; and Dodge, David S., 3,814,830.

Dodge, Robert J.; and Huffer, Wilson R., to Automatic Power Division. Navigational aid system. 3,787,867, 1-22-74, Cl. 343-225.000.

Dodge, William L.: *See—*
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Dodgson, Gilbert Edward. Adjustable kingpin assembly for trailers. 3,834,736, 9-10-74, Cl. 280-407.000.

Dodinot, Bernard: *See—*
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Dodson, James S., Jr.: *See—*
Petrides, Petros T.; Nickerson, Russell J.; Cordeiro, Rodney R.; and Dodson, James S., Jr., 3,838,244.

Dodson, Michael; and Gibson, Philip Terry, to United States of America, Navy. Abrasion test machine. 3,805,586, 4-23-74, Cl. 73-7.000.

Dodson, Stanley Charles; and Newman, Robert Henry, to British Petroleum Company, Limited, The. Grease composition. 3,850,828, 11-26-74, Cl. 252-59.000.

Dodsworth, David William: *See—*
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Doduco, Dr., Eugen Durrwachter: *See—*
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Doduco, Eugen Durrwachter, Dr.: *See—*
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Doe, Ernest Edward, to Donkin, Bryan, Company Limited, The. Gas supply apparatus. 3,807,439, 4-30-74, Cl. 137-489.500.

Doe, Ernest Edward; and Millard, William Harry, to Bryan Donkin Company, Limited, The. Safety cut-off valves for gas supply systems. 3,818,932, 6-25-74, Cl. 137-494.000.

Doe, Ewart H., to Twyford Moors (Aircraft & Engineering) Limited. Bar holder arrangement for an automatic machine tool. 3,782,593, 1-1-74, Cl. 221-248.000.

Doe, Ewart H.; and Linforth, William J., to Twyford Moors (Aircraft & Engineering) Limited. Guide rollers. 3,856,197, 12-24-74, Cl. 226-181.000.

Doe, Ewart Harold, to Twyford Moors (Aircraft & Engineering) Limited. Bar holder arrangement for bar stock material to be fed to a machine tool. 3,802,689, 4-9-74, Cl. 269-57.000.

Doe, Lester Adrian, Jr.: *See—*
Holoch, Klaus E.; and Doe, Lester Adrian, Jr., 3,816,562.

Doe, Lester Adrian, Jr., to GAF Corporation. Polymerization process. 3,846,384, 11-5-74, Cl. 260-80.30e.

Doe, Takao: *See—*
Yoshizumi, Shuzo; Doe, Takao; Oku, Takeshi; and Matsumoto, Yoshimitsu, 3,830,999.

Doehler, Joseph: *See—*
Solin, Stuart A.; and Doehler, Joseph, 3,851,274.

Doehler, Peter; and Baumgartner, Erich Rudolf. Apparatus for shedding in weaving looms. 3,817,292, 6-18-74, Cl. 139-55.000.

Doehrman, Charles E.: *See—*
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Doelcher, Harold S. Table tennis paddle and ball rack. 3,842,979, 10-22-74, Cl. 211-14.000.

Doeller, Charles H., III: *See—*
McComas, Arthur D.; Ransom, James R.; Kessler, James A.; Doeller, Charles H., III; and Mall, Aaron, 3,798,650.

Doelp, Walter L., Jr.: *See—*
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Doepfner, Wolfgang, to Sandoz Ltd. Inhibition of gastrointestinal alcers with calcitonin. 3,826,824, 7-30-74, Cl. 424-112.000.

Doepke, Donald G. H., to General Electric Company. Refuse compactor having a pivotally arranged ram face member. 3,788,212, 1-29-74, Cl. 100-229.00a.

Doerfer Corporation: *See—*
Doerfer, Richard E.; Leymaster, Homer N.; and Neebel, Richard R., 3,789,456.

Doerfer, Richard E.; Leymaster, Homer N.; and Neebel, Richard R., to Doerfer Corporation. Rib cutting apparatus. 3,789,456, 2-5-74, Cl. 17-1.00r.

Doerfler, Roger E.: *See—*
Couchois, William J.; and Doerfler, Roger E., 3,819,234.

Doerfler, Roger E., to Kelsey-Hayes Company. Control valve. 3,812,678, 5-28-74, Cl. 60-591.000.

Doerfling, Ralph G., to Detroit Gasket and Manufacturing Company. Composite gasket. 3,784,212, 1-8-74, Cl. 277-22.000.

Doerfling, Ralph G.; and Motycka, Charles J., to Detroit Gasket and Manufacturing Company. Decorative covering and method for applying decorative covering to vehicle panels. 3,846,200, 11-5-74, Cl. 156-85.000.

Doerhoefer, Guenther, to Ciba-Geigy Corporation. [4-(5,10-Dihydro-4H-benzo[5,6[cyclohepta]1,2-b[thien-4-yl)-1-piperazinyl-alkyl]-3-alkyl-2-imidazolidinones. 3,828,046, 8-6-74, Cl. 260-268.0tr.

Doerhoefer, Guenther, to Ciba-Geigy Corporation. [CNS compositions and method with 4-(5,10-dihydro-4H-benzo[5,6]cyclohepta[1,2-b] thienyl-4-yl-1-piperazinyl-alkyl]-3-alkyl-2-imidazolidinones. 3,852,445, 12-3-74, Cl. 424-250.000.

Doering, Beauford C., to Par-Way Mfg., Co. Liquid spray head. 3,825,188, 7-23-74, Cl. 239-498.000.

Doering, C., & Son, Inc.: *See—*
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Doering, Charles W.; and Smith, Samuel W., to Brinly-Hardy Co., Inc. Bag carrying structure. 3,808,627, 5-7-74, Cl. 15-83.000.

Doering, Charles W., to Brinly-Hardy Co., Inc. Rotary brush sweeper and bagger. 3,849,043, 11-19-74, Cl. 15-79.000.

Doering, Charles W., to Brinly-Hardy Co., Inc. Apparatus for collecting debris. 3,849,824, 11-26-74, Cl. 15-83.000.

Doering, George I., to Industrial Nucleonics Corporation. Peak responsive control system and method. 3,847,730, 11-12-74, Cl. 162-198.000.

Doering, Henry H., Jr., to Doering, C., & Son, Inc. Method and apparatus for sealing thermoplastic covers to trays. 3,813,846, 6-4-74, Cl. 53-39.000.

Doering, James Peter: *See—*
Vogelaar, Bernard Francis; Doering, James Peter; and Pasturczak, Stanley, 3,786,891.

Doerner, William A., to Du Pont de Nemours, E. I., and Company. Rotary boilers and combustors. 3,850,147, 11-26-74, Cl. 122-11.000.

Doerrfeld, Robert E., to Hansen, A. L., Manufacturing Company. Flush type door latch. 3,782,141, 1-1-74, Cl. 70-146.000.

Doesburg, Van I.: *See—*
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Householder, Kermit W.; and Doesburg, Van I., 3,846,329.

Doetsch, Peter: *See—*
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Dofek, Frantisek, to Zdarske strojirny a slevarny, narodni podnik. Shearing machine for cutting of band material. 3,791,244, 2-12-74, Cl. 83-305.000.

Dogadko, Peter, to Motorola, Inc. Capacitor discharge ignition system including spark duration extender means. 3,832,986, 9-3-74, Cl. 123-148.00r.

Dogariu, Maria; Alupei, Georgeta; Verdes, Maria; Friedman, Gaby; Grumeza, Ecaterina; Cobzariu, Tudor; and Ionescu, Ligia, to Fabrica de Antibiotice Iasi. Medium for the culture of the escherichia colt strain. 3,798,127, 3-19-74, Cl. 195-65.000.

Doge, Heinz: *See—*
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Doggart, John; Skelton, Harry Leslie; and Gleave, Paul Rogerson, to V&E Friedland Limited. Two-part transformer lamination of sliding engagable parts. 3,793,129, 2-19-74, Cl. 161-49.000.

Doggett, Charles F., to Hawkeye Machinery Corporation. Burial device and method for using same. 3,810,282, 5-14-74, Cl. 27-35.000.

Doggett, Neil: *See—*
Leach, Roger; Doggett, Neil; and Lappage, James, 3,851,698.

Doggett, Towers, to Scott Paper Company. Organic solvent soluble diazonium compounds formed from anionic sulfate or sulfonate surfactants. 3,790,556, 2-5-74, Cl. 260-141.000.

Dogliotti, Amilcare, to Ferrero, P., & C., S.p.A. Carton closure device. 3,827,624, 8-6-74, Cl. 229-45.000.

Dogliotti, Amilcare, to Ferraro, P., & C. S.p.A. Filler piece for boxes or showcases. 3,838,806, 10-1-74, Cl. 229-15.000.

Dohany, Julius Eugene; and Whiton, Alfred Case, to Pennwalt Corporation. Elastomeric fluorinated terpolymer having good thermal stability. 3,790,540, 2-5-74, Cl. 260-80.770.

Dohany, Julius Eugene, to Pennwalt Corporation. Method of preparing high-quality vinylidene fluoride polymer in aqueous emulsion. 3,857,827, 12-31-74, Cl. 260-92.100.

Doheny, William Michael, to Coca-Cola Company, The. Convertible bulk hand truck. 3,785,669, 1-15-74, Cl. 280-47.180.

Doherty, Daniel Anthony: *See—*
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Doherty, George O. P., to Lilly, Eli, and Company. Process for the preparation of 1-hydroxy-2-(1,1-difluoroalkyl) benzimidazoles and 1-hydroxy-2-(1,1-difluoroalkyl)1H-imidazo (4,5,-b) pyridines. 3,813,407, 5-28-74, Cl. 260-296.00b.

Doherty, George O. P.; and Fuhr, Kenneth H., said Doherty, now by change of name O'Doherty, George O., P., assors. to Lilly, Eli, and Company. 1H-Imidazo(4,5,-b) pyridine compounds. 3,813,408, 5-28-74, Cl. 260-296.00h.

Doherty, George O. P., to Lilly, Eli, and Company. 1H-imidazo(4,5-beta)pyridine derivatives. 3,818,022, 6-18-74, Cl. 260-296.00h.

Doherty, John J., to Armstrong Cork Company. Method for applying adhesive to the edges of a slit tube. 3,782,994, 1-1-74, Cl. 117-4.000.

Doherty, John J., to Armstrong Cork Company. Apparatus for applying adhesive to the edges of a slit tube. 3,821,939, 7-2-74, Cl. 118-44.000.

Doherty, John, Jr., to Texas Instruments, Incorporated. Thermally actuated valve assembly. 3,848,676, 11-19-74, Cl. 169-37.000.

Doherty, John, Jr., to Texas Instruments Incorporated. Thermally responsive valve assembly. 3,856,259, 12-24-74, Cl. 251-11.000.

Doherty, Keith Stanley, to Petrocarbon Developments Limited. Separation of mixtures especially gas mixtures. 3,838,553, 10-1-74, Cl. 55-58.000.

Doherty, Lewis S., II, to Doherty-Silentaire. Top discharge roof ventilator. 3,788,207, 1-29-74, Cl. 98-42.000.

Doherty, Norman R. Needleless inoculator. 3,815,594, 6-11-74, Cl. 128-173.00h.

Doherty, Norman R. Single stroke tool and means for storing energy therein. 3,842,295, 10-15-74, Cl. 310-12.000.

Doherty, Orval Austin: *See—*
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Doherty, Robert P. Induced air cooling and heating system. 3,833,057, 9-3-74, Cl. 165-123.000.

Doherty, Thomas E.: *See—*
Amberg, Stephen W.; Doherty, Thomas E.; and Heyne, Clarence A., 3,802,942.
Amberg, Stephen W.; Doherty, Thomas E.; and Heyne, Clarence A., 3,822,459.
Amberg, Stephen W.; Doherty, Thomas E.; Karabedian, James A.; and Heyne, Clarence A., 3,839,117.
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Amberg, Stephen W.; and Doherty, Thomas E., 3,854,583.

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Dohi, Michio: *See—*
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Dohlen, Klaus V.; and Lukas, Josef, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH Gluhlampen mbH. Method for seizing, and holding for transfer of small objects, particularly coiled filaments for electrical lamps and the like. 3,793,706, 2-6-74, Cl. 29-559.000.

Dohmeier, Hans Otto. Protective chains. 3,783,923, 1-8-74, Cl. 152-243.000.

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Vosolsobe, Jan; Dohnalek, Rudolf; Kadlec, Bohumil; Michalek, Jiri; Simecek, Antonin; Cap, Miroslav; and Novak, Miroslav, 3,853,790.

Dohne, Alan Swaine; and Cacciamani, Eugene Richard, Jr., to Communications Satellite Corporation. Phase ambiguity resolution system using convolutional coding-threshold decoding. 3,806,647, 4-23-74, Cl. 178-67.000.

Dohogne, Charles Leroy. Metal composite. 3,807,995, 4-30-74, Cl. 75-175.500.

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Dohr, Manfred; Singer, Helmut; and Umbach, Wilfried, to Henkel & Cie GmbH. Process for the production of higher, polyunsaturated carboxylic acid ester and free acids. 3,855,255, 12-17-74, Cl. 260-410.90r.

Dohring, Hans M. Garment hanger. 3,823,855, 7-16-74, Cl. 223-96.000.

Dohse, Ruthard; Edeling, Curt; and Eisnmann, Josef, to Elektro-Thermit GmbH. Frog with closable wheel over-run. 3,857,536, 12-31-74, Cl. 246-435.000.

Dohse, Ruthard J., to Elektro-Thermit GmbH. Elastic support for guard rails. 3,804,327, 4-16-74, Cl. 238-18.000.

Dohshita, Hidetoshi: *See—*
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Doi, Kazuo; and Kitsuda, Yoshihiro, to British Industrial Plastics Limited. Process for manufacturing initial aminoplast condensates. 3,810,854, 5-14-74, Cl. 260-21.000.

Doi, Ken-Ichi: *See—*
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Doi, Kikuo: *See—*
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Doi, Kikuo; and Futami, Takehiro, to Nippon Electric Company, Limited. Electromechanical transducer comprising a pair of antiparallel poled rectangular piezoelectric ceramic pieces. 3,842,294, 10-15-74, Cl. 310-9.500.

Doi, Shuhei: *See—*
Okawa, Sohei; and Doi, Shuhei, 3,809,671.

Doi, Tadashi, to Kao Soap Co., Ltd. Flexible pavement coating method. 3,811,911, 5-21-74, Cl. 117-33.000.

Doi, Tetuo: *See—*
Tokunaga, Kazuyoshi; Yamada, Takahiro; Doi, Tetuo; and Takahashi, Tetsuo, 3,810,194.

Doi, Toshio: *See—*
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Doi, Yoshikazu; and Kishikawa, Toshio, to Fuji Shashin Koki Kabushiki Kaisha. Color separation prism for television camera. 3,824,004, 7-16-74, Cl. 350-173.000.

Doig, Alfred R.: *See—*
Rockett, Thomas J.; Doig, Alfred R.; Komatsu, Stanley; Evans, John; and O'Connell, John J., 3,802,909.

Doig, Stuart H. Candle mold with resilient wick holder. 3,831,899, 8-27-74, Cl. 249-97.000.

Doin, Bernard; and Plantif, Bernard, to Societe Nationale des Poudres et Explosifs, mesne. Gas generator with coolant expulsion means. 3,813,007, 5-28-74, Cl. 222-4.000.

Doittau, Francois-Xavier; Ythier, Jean-Pierre; and Hebert, Marcel, to U.S. Philips Corporation. Device for measuring a time interval. 3,790,890, 2-5-74, Cl. 324-189.000.

Dojyo, Satoshi; and Yoshino, Tsutomu, to Toyo Kogyo Co., Ltd. Honing machine for finishing trochoidal bore or rotor housing of rotary engine. 3,851,422, 12-3-74, Cl. 51-34.00j.

Dokken, Roger Nels: *See—*
Bauer, Edwin Francis; Dokken, Roger Nels; Hard, Robert Amos; and Malhotra, Umesh Kumar, 3,816,720.
Dokter, Henry J.; and Clark, Robert P., to Means, F. W., & Company. Cleaning system and method. 3,823,823, 7-16-74, Cl. 210-79.000.
Doktorov, Leonid Borisovich: *See—*
Salukvadze, Viktor Samsonovich; Koshman, Igor Filippovich; and Doktorov, Leonid Borisovich, 3,797,060.
Dola, Frank Peter, to AMP Incorporated. Cable guide and retainer. 3,854,001, 12-10-74, Cl. 174-48.000.
Dolan, Albert J., to Daltronics International. Fluid dispensing system. 3,831,812, 8-27-74, Cl. 222-20.000.
Dolan, Courtney F.: *See—*
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Dolan, Courtney F., to Chrysler Corporation. Full time four wheel drive. 3,848,691, 11-19-74, Cl. 180-44.00r.
Dolan, Edward M. Portable basketball backstop construction. 3,841,631, 10-15-74, Cl. 273-1.50r.
Dolan, James D., Jr. Buoyant support for christmas trees and the like. 3,802,007, 4-9-74, Cl. 9-8.00r.
Dolan, James J.: *See—*
Janatka, Vladimir; and Dolan, James J., 3,792,684.
Dolan, John C.: *See—*
Dolan, John C.; and Ball, Newton E. (said Ball assor. to said), 3,838,774.
Dolan, John C.; and Ball, Newton E., said Ball assor. to said Dolan, John C. Apparatus for monitoring water purification system. 3,838,774, 10-1-74, Cl. 210-85.000.
Dolan, John J.: *See—*
Erdmann, Manfred O.; and Dolan, John J., 3,855,027.
Dolan, Thomas M.: *See—*
Janatka, Vladimir; and Dolan, James J. (said Dolan, James J., assor. of 25% to), 3,792,684.
Doland, George D.: *See—*
United States of America, National Aeronautics and Space Administration, 3,831,142.
Dolbear, Geoffrey E.; and Nagee, John S., Jr., to Grace, W. R., & Co. Hydrocarbon cracking with both a zeolite and Pt-U-alumina in the matrix. 3,788,977, 1-29-74, Cl. 208-120.000.
Dolbear, Geoffrey E.; and Magee, John S., Jr., to Grace, W. R., & Co. Cracking hydrocarbons with catalysts containing nickel and magnesium exchanged zeolites. 3,830,725, 8-20-74, Cl. 208-120.000.
Dolbear, Geoffrey E.; and Magee, John S., to Grace, W. R., & Co. Catalytic cracking with silver-rare earth of copper-rare earth exchanged Y-type zeolite. 3,835,032, 9-10-74, Cl. 208-120.000.
Dolbenko, Evgeny Tikhonovich: *See—*
Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Andreev, Vladimir Prokhorovich; Boiko, Georgy Alexandrovich; Emelyanenko, July Georgievich; Sobolev, Jury Vasilievich; Shavrin, Adolf Ivanovich; Dolbenko, Evgeny Tikhonovich; Chernykh, Viktor Vasilievic; and Dykan, Vitaly Grigorievich, 3,823,242.
Paton, Boris Evgennievich; Dudko, Daniil Andreevich; Prokhorenko, Kim Kondratievich; Latash, Jury Vadimovich; Puzrin, Leonid Gustavovich; Voronin, Alexei Efimovich; Bondarenko, Evgeny Stepanovich; Vernik, Alexandr Borisovich; Kamensky, Leonid Alexeevich; Mstovoi, Alexandr Borisovich; Golovchenko, Vladimir Vlasovich; Demidov, Anatoly Vasilievich; Dolbenko, Evgeny Tikhonovich; Filippov, Sergei Mikhailovich; and Dub, Vladimir Semenovich, 3,807,486.
Dolby, Dale P.; and Sandrock, Heinrich K., to Ampex Corporation. Magnetic tape duplicator. 3,813,688, 5-28-74, Cl. 360-17.000.
Dolby, John T., mesne: *See—*
Dolby, John Topping, 3,854,590.
Dolby, John Topping, to Dolby, John T., mesne and Bender, David M. Wine rack. 3,854,590, 12-17-74, Cl. 211-74.000.
Dolby Laboratories Inc.: *See—*
Dolby, Ray Milton; and Robinson, David Peter, 3,818,244.
Dolby, Ray Milton, 3,828,280.
Dolby, Ray Milton; and Edvardsen, Bjorn Erik, 3,838,352.
Dolby, Ray Milton, 3,845,416.
Dolby, Ray Milton; and Robinson, David Peter, to Dolby Laboratories Inc. Limiters for noise reduction systems. 3,818,244, 6-18-74, Cl. 307-237.000.
Dolby, Ray Milton, to Dolby Laboratories Inc. Compressors, expanders and noise reduction systems. 3,828,280, 8-6-74, Cl. 333-14.000.
Dolby, Ray Milton; and Edvardsen, Bjorn Erik, to Dolby Laboratories, Inc. Line output circuits. 3,838,352, 9-24-74, Cl. 330-105.000.
Dolby, Ray Milton, to Dolby Laboratories Inc. Signal compressors and expanders. 3,845,416, 10-29-74, Cl. 333-14.000.
Dolby, Ray Milton. Noise reduction systems. 3,846,719, 11-5-74, Cl. 333-14.000.
Dolby, William Berkeley, mesne: *See—*
Robertson, Roderick, 3,789,941.
Dolch, Volker, to Scanner, Inc. Contrast processing of cideo signals with self adjusting reference. 3,842,200, 10-15-74, Cl. 178-7.100.
Dolch, Volker, to Scanner, Inc. Data field recognition and reading method and system. 3,847,346, 11-12-74, Cl. 235-61.11e.
Dolch, Volker, to Scanner, Inc. Alignment correction for read scan raster fields. 3,852,573, 12-3-74, Cl. 235-61.11e.
Dolco Packaging Corporation: *See—*
Congleton, Wayne, 3,834,609.
Dolder, Guido; and Schmalzi, Alfred, to Escher Wyss Limited. Butterfly valve. 3,794,288, 2-26-74, Cl. 251-62.000.
Dole Electro-Systems, Incorporated: *See—*
Reid, Walter L., Jr.; Peirce, C. Condit; and Pelletier, Raymond G., 3,851,367.
Tirrell, C. Barry; and Williams, George B., 3,809,967.
Williams, Lon A.; and Williams, George B., 3,809,969.
Dole, Otto R.: *See—*
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Dole Refrigerating Company: *See—*
Apple, Joseph P., Jr.; and Lauterbach, William E., 3,845,638.
Bradshaw, Darrell L., 3,842,288.
Fischer, Harry C., 3,826,101.
Rupert, Donald N., Jr., 3,851,496.
Dolei, Silvano: *See—*
Freccero, Renato; and Dolei, Silvano, 3,810,701.
Dolejs, Ladislav; Beran, Pavel; Slama, Karel; and Sorm, Frantisek, to Ceskoslovenska Akademie Ved. Novel N-haloalkylated anilines. 3,787,478, 1-22-74, Cl. 260-471.00r.
Dolejs, Ladislav; Beran, Pavel; Kahovcova, Jitka; Machkova, Zuzana; Slama, Karel; and Sorm, Frantisek. Novel p-aminobenzoales. 3,803,211, 4-9-74, Cl. 260-471.00r.
Dolejs, Ladislav; Machkova, Zuzana; Beran, Pavel; Kahovcova, Jitka; Slama, Karel; and Sorm, Frantisek. Novel N-(oxidoalkyl) anilines. 3,847,907, 11-12-74, Cl. 260-240.00h.
Dolen, Cecil W.: *See—*
Huffaker, James E.; Myers, Ernest L.; Dillon, Brian D.; and Dolen, Cecil W., 3,785,039.
Dolezal, Milton M.: *See—*
Underwood, Jereld L.; Edmoundson, Floyd D.; and Dolezal, Milton M., 3,828,674.
Dolezal, Richard Joseph, to Sulzer Brothers Ltd. Steam power plant for a marine vessel. 3,813,876, 6-4-74, Cl. 60-716.000.
Dolezon, Jean: *See—*
Tchang, Liang-Ing; and Dolezon, Jean, 3,836,817.
Dolfi, James J., Sr. Automatic manifold vacuum spoiler. 3,820,518, 6-28-74, Cl. 123-119.00b.
Dolfi, James J., Sr. Line vacuum controlled manifold vacuum spoiler. 3,825,031, 7-23-74, Cl. 137-480.000.
Dolfini, Joseph E.: *See—*
Perrella, Donald J.; and Dolfini, Joseph E., 3,825,536.
Dolfini, Joseph E.; Bernstein, Jack; and Erickson, Raymond C., to Squibb, E. R., & Sons, Inc. Heterocyclic ureidocephalosporins. 3,833,568, 9-3-74, Cl. 260-243.00c.
Dolfini, Joseph E., to Squibb, E. R., & Sons, Inc. Certain 2-substituted cephalosporins. 3,852,282, 12-3-74, Cl. 260-243.00c.
Dolfini, Joseph Edward: *See—*
Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., 3,796,702.
Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., 3,796,709.
Dolfini, Joseph Edward; and Breauer, Hermann, to Squibb, E. R., & Sons, Inc. Alpha-phospho noacetylpenicillins. 3,825,529, 7-23-74, Cl. 260-239.100.
Dolfini, Joseph Edward; and Erickson, Raymond Curry, to Squibb, E. R., & Sons, Inc. Amino acid derivatives of 6-aminopenicillanic acid. 3,839,323, 10-1-74, Cl. 260-239.100.
Dolfini, Joseph Edward; and Bohme, Ekkehard, to Squibb, E. R., & Sons, Inc. 7-Substituted cephalosporanic acid and derivatives thereof. 3,840,533, 10-8-74, Cl. 260-243.00c.
Dolfini, Joseph Edward, to Squibb, E. R., & Sons, Inc. 4-Substituted-Δ2-cephalosporin derivatives. 3,849,408, 11-19-74, Cl. 260-243.00c.
Dolfini, Joseph Edward; and Erickson, Raymond Curry, to Squibb, E. R., & Sons, Inc. Amino acid derivatives of cephalosporins. 3,852,283, 12-3-74, Cl. 260-243.00c.
Dolfini, Joseph Edward; Bohme, Ekkehard; and Slusarchyk, William A., to Squibb, E. R., & Sons, Inc. 6-Substituted penicillanic acid and derivatives thereof. 3,855,233, 12-17-74, Cl. 260-306.70c.
Dolgen, Igor E.: *See—*
Georgen, Robert T.; and Dolgen, Igor E., 3,840,974.
Dolgoff, Jordan A.: *See—*
Levaco, Robert M.; and Dolgoff, Jordan A., 3,826,852.
Dolgy, Andrei Emelyanovich; Balandin, Jury Mikhailovich; Shelepchikov, Viktor Vasilievich; and Shutov, Vladimir Ivanovich. Devices for mounting an engine on an aircraft pylon. 3,809,340, 5-7-74, Cl. 244-54.000.
D'Olier, George, to Raybestos-Manhattan, Inc. Insulating material. 3,821,063, 6-28-74, Cl. 161-60.000.
Dolitzsch, Heinz; and Skirde, Gerhard. Washing apparatus for vehicles, more particularly for motor vehicles. 3,795,928, 3-12-74, Cl. 15-21.00e.
Doll, Brendan L.: *See—*
Currie, Grover C.; and Doll, Brendan L., 3,823,623.

Currie, Grover C.; and Doll, Brendan L., 3,826,165.
Doll, Brendan L., to Cellu Products Company. Apparatus for forming a stretchable tubular packaging material. 3,834,969, 9-10-74, Cl. 156-466.000.
Doll Gesellschaft mit beschrankter Haftung: *See—*
Lanfranconi, Antonio; Schafer, Wolfgang; Testaguzza, Franco; and Zanibelli, Franco, 3,840,136.
Doll, Gregory W.; and Currie, Grover C., Jr., to Cellu Products Company. Method of forming a stretchable tubular packaging material. 3,843,485, 10-22-74, Cl. 156-251.000.
Doll, Henri Georges; and Broner, Hans J., to Doll Research, Inc. Non-invasive electromagnetic bloodflow measuring system with rejection of noises. 3,809,070, 5-7-74, Cl. 128-2.05f.
Doll, Martin, to Cellu Products Company. Method of producing laminated stock materials and products. 3,810,800, 5-14-74, Cl. 156-78.000.
Doll, Martin E., to Cellu Products Company. Method of producing a wet-like thermoplastic material. 3,839,525, 10-1-74, Cl. 264-154.000.
Doll Research, Inc.: *See—*
Doll, Henri Georges; and Broner, Hans J., 3,809,070.
Dollarhide, Francis E.: *See—*
Griffin, Thomas J.; and Dollarhide, Francis E., 3,816,322.
Dollbaum, Wilhelm: *See—*
Herzberg, Claus; and Dollbaum, Wilhelm, 3,782,968.
Dollbaum, Wilhelm, to Holtz & Willemsen, G.m.b.H. Continuously operating whirl chamber arrangement. 3,853,047, 12-10-74, Cl. 99-473.000.
Dolle, Waldemar: *See—*
Sundermann, Erich; and Viedt, Johanna (said Sundermann assor. to), 3,811,815.
Dollfus-Mieg & Cie: *See—*
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Dollhausen, Manfred: *See—*
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Dollinger, Kenneth: *See—*
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Dollmeier, Georg: *See—*
Muller, Karl-Heinz; Rindfleisch, Volker; Von Rauch, Moriz; Willasch, Dieter; and Dollmeier, Georg, 3,835,246.
Dolman, Hendrik; and Tempel, Albert, to U.S. Philips Corporation, mesne. Phenylsulphoxyl- or phenylsulphonylrhodanides. 3,845,082, 10-29-74, Cl. 260-397.600.
Dolotov, Jury Ivanovich: *See—*
Sablev, Leonid Pavlovich; Dolotov, Jury Ivanovich; Getman, Leonid Ivanovich; Gorbunov, Valentin Nikolaevich; Goldiner, Evgeny Georgievich; Kirshfeld, Karl Teodorovich; and Usov, Vladislav Vasilievich, 3,783,231.
Sablev, Leonid Pavlovich; Atamansky, Nikolai Petrovich; Gorbunov, Valentin Nikolaevich; Dolotov, Jury Ivanovich; Lutseenko, Vadim Nikolaevich; Lunev, Valentin Mitrofanovich; and Usov, Valdislav Vasilievich, 3,793,179.
Dolphin, Joseph R. Instant tire chains. 3,857,428, 12-31-74, Cl. 152-241.000.
Dolphin, Thomas J.: *See—*
Connors, John J.; Dolphin, Thomas J.; and Cook, John W., 3,808,858.
Dolukhanov, Rafik Tsaturovich: *See—*
Medem, Vulf Matveevich; Boldrev, Sergei Andreevich; Karpenko, Leonty Petrovich; Dolukhanov, Rafik Tsaturovich; and Sergeev, Nikolai Sergeevich, 3,855,116.
Dolza, Claudio. Articulated jib for crawler tractors and the like. 3,842,983, 10-22-74, Cl. 212-8.00r.
Dom, John A.; Hindman, Clarence B.; Argyris, Pericles A.; and Kramer, John J., to Rockwell Manufacturing Company. Single lever mixing faucet. 3,807,453, 4-30-74, Cl. 137-625.170.
Dom Samen Fehlemann KG: *See—*
Born, Alfons, 3,796,309.
Domain Industries, Inc.: *See—*
Crabb, Jasper R., 3,825,039.
Grevich, John J.; and Gardetto, John J., 3,819,194.
Doman, Harvey A.: *See—*
McClain, Stephen A.; Doman, Harvey A.; and Entus, Richard D., 3,813,837.
Domann, Helmut: *See—*
Fleischer, Helmut; Schnaibel, Eberhard; and Domann, Helmut, 3,834,770.
Klaiber, Erich; Stockle, Hans; and Domann, Helmut, 3,800,755.
Domanski, Bonifacy; Kleminski, Michal; and Zieba, Zozislaw. Method of welding stiffenings of plates, particularly of shell plates and arrangement for applying said method. 3,795,968, 3-12-74, Cl. 29-457.000.
Domba, Elemer, to Nalco Chemical Company. Ketene dimers from long chain alkanoic acids with perfluoroalkyl terminal segments. 3,795,684, 3-5-74, Cl. 260-343.900.
Dombro, Robert A., to Universal Oil Products Company. Flame retardant compositions of matter. 3,806,492, 4-23-74, Cl. 260-45.70r.
Dombroski, James J. Pencil sharpening device. 3,809,137, 5-7-74, Cl. 145-3.610.
Dombrowski, Frank R.: *See—*
Habegger, Richard; and Dombrowski, Frank R., 3,824,940.
Dombrowski, Ted A.: *See—*
Mansnerus, John A.; and Dombrowski, Ted A., 3,811,817.
Dombrowski, Theodor, to Hegenscheidt, Wilhelm, Kommanditgesellschaft. Wheel turning lathe. 3,839,932, 10-8-74, Cl. 82-8.000.
Dome, Peter, to Societe Suisse pour l'Industrie Horlogere SA. Correction of errors occurring in electronic timepieces. 3,789,599, 2-5-74, Cl. 58-23.00r.
Dome, Peter, to Societe Suisse pour l'Industrie Horlogere SA. Variable capacitor, especially for temperature-compensated electronic timepiece. 3,808,556, 4-30-74, Cl. 331-116.00r.
Domecki, Edward H. Shrimp splitting and cleaning apparatus. 3,787,928, 1-29-74, Cl. 17-71.000.
Domenico, Amadeo: *See—*
Kieslich, Klaus; Kerb, Ulrich; Mengel, Klaus; and Domenico, Amadeo, 3,828,083.
Domenico, Penelope B., to Dow Chemical Company, The. Halopyridyl thiocyanates. 3,787,422, 1-22-74, Cl. 260-294.80f.
Domenico, Penelope B., to Dow Chemical Company, The. Halopyridyl thiocyanates. 3,787,425, 1-22-74, Cl. 260-294.80g.
Domenico, Penelope B., to Dow Chemical Company, The. Halopyridine sulfonic acids. 3,801,582, 4-2-74, Cl. 260-294.80r.
Domenico, Penelope B., to Dow Chemical Company, The. Polyhalo-4-pyridine sulfen and sulfonamides. 3,821,216, 6-28-74, Cl. 260-247.100.
Domenighetti, Domenico. Paving vibratory finishing machine having a device for constant compaction of the deposited layer. 3,841,777, 10-15-74, Cl. 404-84.000.
Domenighetti, Domenico. Centrally articulated compound road construction yard machine with orientable auxiliary element. 3,844,671, 10-29-74, Cl. 404-117.000.
Domer, John T., to Whirlpool Corporation. Oven door mounting means. 3,788,300, 1-29-74, Cl. 126-21.00r.
Domer, Josef, to Siemens Aktiengesellschaft. Method and system of communication between several ground stations and a transponder satellite. 3,792,476, 2-12-74, Cl. 343-7.500.
Domer, Michel, to Paulstra. Vehicle coupling systems, especially for railways. 3,840,126, 10-8-74, Cl. 213-45.000.
Domer, Wolfgang, to BBC Brown Boveri & Company Limited. Expansion joint for pipes. 3,830,529, 8-20-74, Cl. 285-45.000.
Domergue, Annick Marthe Suzanne Simone: *See—*
Mingasson, Georges Raymond Henry; and Domergue, Annick Marthe Suzanne Simone, 3,804,837.
Mingasson, Georges Raymond Henry; and Domergue, Annick Marthe Suzanne Simone, 3,804,838.
Mingasson, Georges Raymond Henry; and Domergue, Annick Marthe Suzanne Simone, 3,849,331.
Domergue, Annick Marthe Suzanne Simone; Mingasson, Georges Raymond Henry; and Sureau, Robert Frederick Michel, to Ugine Kuhlmann. Pyrazoline optical brightening agents. 3,852,275, 12-3-74, Cl. 260-239.900.
Domeshek, Sol. Method of enhancing the information legibility of multi-color graphic material. 3,857,709, 12-31-74, Cl. 96-14.000.
Domig, Rene, to Aktiengesellschaft Gebruder Loepfe. Device monitoring two traveling weft threads. 3,833,026, 9-3-74, Cl. 139-370.000.
Dominck Hunter (Engineers) Limited: *See—*
Domnick, Keith Raphael, 3,841,484.
Domine, Joseph Dominic; and Shaufelberger, Roy Henry, to Union Carbide Corporation. Hot melt compositions produced by irradiating ethylene copolymers in the presence of wax. 3,819,498, 6-25-74, Cl. 204-159.140.
Domingorene, Albert A., to General Electric Company. House-hold refrigerator. 3,785,168, 1-15-74, Cl. 62-455.000.
Dominguez, Ezekiel C.; Lynn, John D.; and Sundy, George J., to Bethlehem Steel Corporation. Refractory lining in a vertical shaft furnace. 3,830,481, 8-20-74, Cl. 266-43.000.
Dominic, Christopher John; and Garnish, Edward William, to Ciba (A.R.L.) Limited. Carbon fiber composite structures. 3,810,785, 5-14-74, Cl. 117-161.0zb.
Dominici, Antonio. Device for shaping filled and sealed bags into prismatic cartons. 3,802,153, 4-9-74, Cl. 53-113.000.
Dominici, Antonio, to Quepor S.A. Device for automatically finishing and grouping packaging containers. 3,831,343, 8-27-74, Cl. 53-61.000.
Dominici, Antonio, to Quepor S.A. Method and device for the protection of the transversal seals during the formation of packaging containers. 3,849,965, 11-26-74, Cl. 53-28.000.
Dominici, Antonio. Package forming device. 3,857,223, 12-31-74, Cl. 53-124.00a.
Dominion Auto Accessories, Limited: *See—*
Brudy, Peter E., 3,784,149.
Brudy, Peter E., 3,798,444.
Brudy, Peter E., 3,806,234.
Brudy, Peter E., 3,811,715.
Brudy, Peter E., 3,834,789.

Brudy, Peter E., 3,855,670.
Magi, Hugo, 3,802,766.
Smith, John, 3,801,810.

Dominion Bridge Company Limited: *See—*
Coulter, William John; and Graville, Brian Anthony, 3,795,781.
Leese, Gerald H.; and Kennedy, David H., 3,831,419.
Lodder, Adolf E., 3,833,775.
Schwartz, Walter, 3,842,648.
Taylor, James Clifford, 3,800,721.

Dominion Engineering Works, Limited: *See—*
Bruinsma, Bote Gosse, 3,806,407.
Field, Michael Frank, 3,830,471.
Malashenko, Alexander; Tidbury, Gordon Thomas; and Futcher, Ralph James, 3,801,435.
Nelson, John Edward; and Stock, Norman Astor, 3,844,184.
Smallwood, Robert Edwards; and Shaver, Marvin Bruce, 3,844,492.

Dominion Foundries & Steel Limited: *See—*
Dobson, Richard N.; and Webster, Gordon A., 3,824,661.
Prust, Michael Ward; and Glassman, Wayne Charles, 3,857,739.

Dominy, Beryl W., to Pfizer Inc. Herbicidal 1H-pyrazolo(3,4-D) pyrimidin-4-ones. 3,833,582, 9-3-74, Cl. 260-256.40f.

Dominy, Beryl William; Hess, Hans-Jurgen Ernst; and Koch, Richard Carl, to Pfizer Inc. 2-Substituted-3,4-dihydro-4-oxoquinazolines as herbicides. 3,840,540, 10-8-74, Cl. 260-251.0qa.

Domka, Frank S.; and Jackson, Barry. Ball game device having a flexible handle. 3,822,885, 7-9-74, Cl. 273-110.000.

Domkraft AB Nike: *See—*
Bjork, Bengt Anders, 3,786,692.
Ferdriksson, Carl Ewert, 3,781,970.

Domnick, Hans. Still picture camera having two film cassettes. 3,805,277, 4-16-74, Cl. 354-21.000.

Domnick, Keith Raphael, to Dominck Hunter (Engineers) Limited. Fluid filter with color indicator. 3,841,484, 10-15-74, Cl. 210-95.000.

Domokos, Geza. Process of producing artificial lumber from untreated sawdust, a powdered urea-formaldehyde resin and water. 3,784,494, 1-8-74, Cl. 260-17.300.

Domtar Limited: *See—*
Akkerman, Allardus A., 3,807,625.
Barnett, George J.; Stanoy, Mark; and Watson, Robert L., 3,854,838.
Burgess, Norman E.; and Flynn, Robert E., 3,820,710.
Flynn, Robert E.; and Price, Gordon L., 3,831,765.
Hamel, Richard, 3,827,281.
Horel, Thomas B., 3,810,501.
Kirkham, William Brian, 3,856,564.

Domyan, Stephen L.: *See—*
Davis, Steven J.; and Domyan, Stephen L., 3,789,803.

Don Fedderson Productions: *See—*
Gravelle, Elmer; and Casparro, John J., 3,849,919.

Donaghy, James G.: *See—*
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Donahoe, John K., to McDonnell Douglas Corporation. Replaceable surface windshields. 3,836,193, 9-17-74, Cl. 296-84.00r.

Donahue, Edward T.: *See—*
Kenney, Harold E.; and Donahue, Edward T., 3,828,086.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, 3,832,368.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, 3,835,051.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, 3,836,468.
Kenney, Harold E.; and Donahue, Edward T., 3,856,688.

Donahue, Jerome T.; Hess, Walter F.; Knoebel, Gordon W.; and Sydow, Donald E., to Oconomowoc Mfg. Corporation. Bearing assembly. 3,807,818, 4-30-74, Cl. 308-191.000.

Donahue, Jerome T.; Hess, Walter F.; Knoebel, Gordon W.; and Sydow, Donald E., to Oconomowoc Mfg. Corporation. Method of fabricating a bearing assembly. 3,824,658, 7-23-74, Cl. 29-148.40a.

Donahue, John A.; and Minden, Henry T., to Sperry Rand Corporation. Liquid epitaxy apparatus. 3,804,060, 4-16-74, Cl. 118-64.000.

Donahue, Kenneth Joseph, to Stanadyne, Inc. Fuel pump and drive therefor. 3,830,597, 8-20-74, Cl. 417-462.000.

Donahue, Leo O.: *See—*
Behrens, Roy E.; and Donahue, Leo O., 3,805,971.
Behrens, Roy E.; and Donahue, Leo O., 3,834,288.
Behrens, Roy E.; and Donahue, Leo O., 3,834,289.

Donahue, Simeon J.: *See—*
Jankowski, Matthew A.; and Donahue, Simeon J., 3,784,949.

Donahue, Stephen F.: *See—*
Glass, Max E.; Donahue, Stephen F.; and Carlson, Arthur, Jr., 3,790,665.

Donahue, Thomas: *See—*
Curley, John L.; Franklin, Benjamin S.; Martland, Wallace A.; Donahue, Thomas; and Cornaro, Louis V., 3,796,996.

Donahue, Thomas J.: *See—*
Curley, John L.; Donahue, Thomas J.; Martland, Wallace A.; and Franklin, Benjamin S., 3,820,078.
Curley, John L.; Donahue, Thomas J.; Franklin, Benjamin S.; Martland, Wallace A.; and Cornaro, Louis V., 3,821,709.

Donahue, William J.: *See—*
Cammack, Thomas A.; Donahue, William J.; and Gratton, Peter D., 3,808,972.

Donahue, William J.; Gratton, Peter D.; and Cammack, Thomas A., to United States of America, Navy. Firing delay for point detonating fuze. 3,786,754, 1-22-74, Cl. 102-79.000.

Donald, Dennis Scott, to Du Pont de Nemours, E. I., and Company. Tetraaminopyrazine, 2,3,5-triamino-6-nitropyrazine, 2,6-diamino-3,5-dinitropyrazine. 3,808,209, 4-30-74, Cl. 260-250.00r.

Donald, Dennis Scott, to Du Pont de Nemours, E. I., and Company. Diamino substituted dicyan pyrazines and process. 3,814,757, 6-4-74, Cl. 260-250.00r.

Donaldson, Coleman Dup; and Snedeker, Richard S., to Aeronautical Research Associates of Princeton, Incorporated. Self-regulating thermal protection system for heated surfaces. 3,831,396, 8-27-74, Cl. 62-467.000.

Donaldson Company, Inc.: *See—*
Firth, Robert L., 3,819,052.
Firth, Robert L., 3,827,558.
Firth, Robert L., 3,847,819.
Lidstone, James E., 3,791,112.
Swanson, Ian N., 3,786,897.

Donaldson, Darrell J.: *See—*
Reeves, Wilson A.; Donaldson, Darrell J.; Daigle, Donald J.; Drake, George L., Jr.; and Beninate, John V., 3,844,824.

Donaldson Display Company, Inc.: *See—*
Dewsnap, Paul, 3,820,262.

Donaldson, George Alan. Impact attenuating, replaceable power-plant support. 3,834,476, 9-10-74, Cl. 180-64.001.

Donaldson, George R.; and Pollitzer, Ernest L., to Universal Oil Products Company. Production of high-octane, unleaded motor fuel. 3,787,314, 1-22-74, Cl. 208-60.000.

Donaldson, George R., to Universal Oil Products Company. Simultaneous production of aromatic hydrocarbons and isobutane. 3,788,975, 1-29-74, Cl. 208-60.000.

Donars, David W. Athletic protector. 3,782,375, 1-1-74, Cl. 128-158.000.

Donaruma, Lorraine Guy; and Vaska, Lauri, to International Nickel Company, Inc., The, mesne. Separation of rhodium from iridium. 3,823,220, 7-9-74, Cl. 423-22.000.

Donat Talbot Archambult: *See—*
Muller, Richard, 3,851,936.

Donath, Ernest E., to United States of America, Interior. Two-stage gasification of coal with forced reactant mixing and steam treatment of recycled char. 3,782,913, 1-1-74, Cl. 48-202.000.

Donath, Ernest E., to United States of America, Interior, mesne. Two-stage gasification of pretreated coal. 3,817,723, 6-18-74, Cl. 48-197.00r.

Donath, Ernest E., to United States of America, Interior, mesne. Three-stage gasification of coal. 3,840,354, 10-8-74, Cl. 48-202.000.

Donath, Ernest E., to United States of America, Interior. Two-stage downflow gasification of coal. 3,844,733, 10-29-74, Cl. 48-202.000.

Donath, Gerhard: *See—*
Heitmann, Hans-Gunter; Donath, Gerhard; and Beyer, Werner, 3,841,486.

Donath, Hans; Beier, Hans-Peter; Otto, Gottfried; Mutz, Werner; and Tausch, Winfried, to Ministerium fur Verkehrswesen. Door lock for trucks, transcontainers and the like. 3,801,146, 4-2-74, Cl. 292-218.000.

Donato, Anthony Carl. Power distribution system for convenience outlets. 3,836,937, 9-17-74, Cl. 339-21.00r.

Donbar Development Corporation: *See—*
Des Champs, Nicholas Howard, 3,791,369.
Faris, George N.; and DesChamps, Nicholas Howard, 3,835,921.

Donbee Corporation, mesne: *See—*
Mercer, Donald W., 3,853,322.

Doncer, Alex J.; and White, Harold R., to Alar Engineering Corporation. Proportional sampling apparatus and method. 3,811,324, 5-21-74, Cl. 73-421.00b.

Dondis, Edward F.; and Payne, John W., to Mobil Oil Corporation. Process for growing microorganisms with low pressure air. 3,846,245, 11-5-74, Cl. 195-109.000.

Dondy, Morris, to Texaco Inc. Preparation of hydrocarbylamine salt of thiocyanic acid. 3,789,075, 1-29-74, Cl. 260-583.00r.

Doner, Arthur J.: *See—*
Sargent, Edward A.; and Doner, Arthur J., 3,842,762.

Doner, John T., to Whirlpool Corporation. Oven vent for smooth top range. 3,832,988, 9-3-74, Cl. 126-21.00r.

Doner, John T., to Whirlpool Corporation. Method of forming glass-ceramic cooktop construction. 3,838,505, 10-1-74, Cl. 29-611.000.

Donermeyer, Donald D.: *See—*
Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., 3,817,892.

Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., 3,832,321.
Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., 3,854,990.

Donetti, Arturo: *See—*
Casadio, Silvano; and Donetti, Arturo, 3,853,886.

Doney, Sharon Chilcote. Dollar sign bank. 3,847,277, 11-12-74, Cl. 206-.840.

Dong, Poy. Portable magnetic chuck. 3,854,711, 12-17-74, Cl. 269-8.000.

Donga, Gunter: *See—*
Schwab, Georg-Maria; and Donga, Gunter, 3,839,545.

Donhauser, Anton: *See—*
Grabher, Erich; Donhauser, Anton; and Werkzeugmaschinenfabrik Oerlikon-Buhrle AG, 3,817,541.

Doniat, Denis; Porta, Augusto; and Mosetti, Jacques, to Battelle Memorial Institute. Method for purifying ionically conducting solutions. 3,827,961, 8-6-74, Cl. 204-180.00r.

Doniguian, Thaddeus M., to Becton, Dickinson and Company. Particle counter having removable aperture slide. 3,783,376, 1-1-74, Cl. 324-716.00p.

Donini, Pietro, to Instituto Farmacologico Serono S.p.A. Long-active gonadotropins. 3,852,422, 12-3-74, Cl. 424-100.000.

Donjon, Jacques; Hazan, Jean-Pierre; and Marie, Gerard Joseph Marcel, to U.S. Philips Corporation. Electro-optic device comprising an optic image relay and method of manufacturing same. 3,792,259, 2-12-74, Cl. 250-213.0vt.

Donkers, Peter J. M.: *See—*
Huys, Theodore H. J.; and Donkers, Peter J. M., 3,832,802.

Donkersloot, Hendrik Cornelis; and Van Vucht, Johannes Hendrikus Nicolaas, to U.S. Philips Corporation. Shape memory elements. 3,832,243, 8-27-74, Cl. 148-32.000.

Donkin, Bryan, Company Limited, The: *See—*
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Davison, George Robert, 3,783,894.
Doe, Ernest Edward, 3,807,439.

Donlee Manufacturing Industries Limited: *See—*
Bloom, Milton W., 3,819,230.

Donlon, Richard H.: *See—*
Mooney, John J.; Marshman, Frank E.; and Donlon, Richard H., 3,793,963.

Donn, John William, to Owens-Corning Fiberglas Corporation. Method and apparatus for guiding feed stock to a longitudinally moving collection surface. 3,796,620, 3-12-74, Cl. 156-171.000.

Donn Products, Inc.: *See—*
Downing, Lucien R., Jr., 3,835,614.

Donnaker, Clarence W.: *See—*
Biddison, John M.; and Donnaker, Clarence W., 3,783,501.

Donnally, Robert B.: *See—*
Jenkins, Cecil; and Donnally, Robert B., 3,807,109.

Donnally, Robert B., to Moore, Lee C., Corporation. Folding pole for high floor mast. 3,803,780, 4-16-74, Cl. 52-116.000.

Donnard, Reed E.; Rosenbaum, Marvin; Gallaccio, Anthony; and Pealstein, Fred, to United States of America, Army. Cartridge case. 3,830,157, 8-20-74, Cl. 102-43.00r.

Donne, Werner, to LKB-Produkter AB. Optical interference filter having an intermediate energy absorbing layer. 3,799,654, 3-26-74, Cl. 350-166.000.

Donnell, Daniel C. Quick-connect wheel mounting means. 3,837,708, 9-24-74, Cl. 301-1.000.

Donnell, Emerson B., Jr., to Egan Machinery Company. Web winder control. 3,782,650, 1-1-74, Cl. 242-56.800.

Donnelley, R. R., & Sons Company: *See—*
Swanson, Kermit E., 3,841,622.

Donnelly, Brendan J.: *See—*
Shieh, Kenneth K.; Donnelly, Brendan J.; and Lee, Howard A., 3,813,320.
Shieh, Kenneth K.; Lee, Howard A.; and Donnelly, Brendan J., 3,834,988.

Donnelly, Charles A.; and Sanders, James F., to Minnesota Mining and Manufacturing Company. Fixing process. 3,795,033, 3-5-74, Cl. 29-132.000.

Donnelly, Eugene I.: *See—*
Wendlandt, Ronald A.; Flood, David N.; and Donnelly, Eugene I., 3,802,386.

Donnelly, Frank R., to Spin Company. Pipelining apparatus. 3,782,636, 1-1-74, Cl. 239-216.000.

Donnelly, James F.: *See—*
Miles, Michael E.; and Donnelly, James F., 3,801,066.

Donnelly, James F., to Jamesbury Corporation. Metal seat butterfly valve. 3,834,663, 9-10-74, Cl. 251-173.000.

Donnelly, James H., to Epoxon Corporation. Inorganic cement compositions containing epoxy resin and pozzolan. 3,798,191, 3-19-74, Cl. 260-13.000.

Donnelly Mirrors, Inc.: *See—*
Baumgardner, John D.; and Ebeling, Dorothy J., 3,809,461.
Baumgardner, John D.; and Ebeling, Dorothy J., 3,826,562.
Hatley, Derek J., 3,803,592.
Kurz, Arthur W., Jr., 3,815,976.
Kurz, Arthur W., Jr., 3,843,236.

Donnelly Mirrors, Incorporated: *See—*
Baumgardner, John D.; and Ebeling, Dorothy J., 3,809,462.

Donnelly, Robert William: *See—*
Champion, Michael John; and Donnelly, Robert William, 3,820,053.

Donner, Arno Sten. Combination muzzle-loading mortar barrel and projectile. 3,788,188, 1-29-74, Cl. 89-1.00f.

Donner, Frederic Arno. Fin-stabilized projectile for launchers, mortars and the like. 3,789,763, 2-5-74, Cl. 102-49.200.

Donner, Siegmar, to Fa Kleindienst Fa. & Co. Web-reading system with replacable drum. 3,835,300, 9-10-74, Cl. 235-61.11e.

Donnerstag, Leonard: *See—*
Buxton, Aldon L.; Donnerstag, Leonard; and Gryctko, Carl E., 3,818,282.

Donnerstein, Richard L.: *See—*
Pao, Henry C.; Donnerstein, Richard L.; and Steiner, Stephen A., 3,851,187.

Donnet, Henri, to FORMSEAL, Beratungs-, Vertriebs-und Herstellungsgesellschaft mbH. Filling and dosing apparatus for viscous substances. 3,817,300, 6-18-74, Cl. 141-117.000.

Donnithorne, William C.; and Creswick, William E., to Algoma Steel Corporation, Limited, The. Golf tee type stopper for molten metal disengaging. 3,785,540, 1-15-74, Cl. 222-559.000.

D'Onofrio, Anthony: *See—*
Gerber, Heinz Joseph; Rich, Leonard G.; Webster, Ronald Bruce; Martino, Robert Louis; Chase, Earle Merritt; and D'Onofrio, Anthony, 3,857,525.

Donofrio, Nicholas M.: *See—*
Benante, Joseph F.; Donofrio, Nicholas M.; and Linton, Richard H., 3,795,859.
De Simone, Roy R.; Donofrio, Nicholas M.; Linton, Richard H.; Sonoda, George; and Wade, William T., 3,836,892.

Donofrio, Nicholas M.; and Kemerer, Douglas W., to International Business Machines Corporation. Monolithic memory sense amplifier/bit driver having active bit/sense line pull-up. 3,789,243, 1-29-74, Cl. 307-238.000.

Donoghue, John Francis; Forney, Dan Edward; Heiks, Robert Lee; Lasson, Gerald A.; McCall, Robert Eugene; and Rich, Charles Ray, to Industrial Nucleonics Corporation. Process control system. 3,844,870, 10-29-74, Cl. 156-360.000.

Donoghue, Matthew J.: *See—*
Harper, Robert J., Jr.; Gautreaux, Gloria A.; Bruno, Joseph S.; and Donoghue, Matthew J., 3,788,804.

Donoghue, Matthews J.: *See—*
Harper, Robert J., Jr.; Gautreaux, Gloria A.; Bruno, Joseph S.; and Donoghue, Matthews J., 3,796,540.

Donoho, David W., to Hilgartner Natural Stone Company, Inc. Process for creating designs on marble. 3,853,647, 12-10-74, Cl. 156-2.000.

Donohoe, John William: *See—*
Foret, Pierre G.; and Donohoe, John William, 3,798,422.
Foret, Pierre G.; and Donohoe, John William, 3,841,624.

Donohue, Allen C.; Grote, Albert O.; and Tielborg, Bernard P., to Mini-Motor Speedways, Inc. Vehicle-to-track linkage. 3,782,293, 1-1-74, Cl. 104-245.000.

Donohue, James A.; and Shore, Harry S., to Outboard Marine Corporation. Breakless ignition system with means for preventing reverse engine operation. 3,795,235, 3-5-74, Cl. 123-148.00e.

Donohue, James A.; Winston, John H.; and Ward, Harry M., III, to Outboard Marine Corporation. Rotary combustion air cooling arrangement. 3,845,747, 11-5-74, Cl. 123-8.010.

Donohue, James H.; and Zimmerman, Benjamin G., to United States of America, National Aeronautics and Space Administration. Passive dual-spin misalignment compensators. 3,818,767, 6-25-74, Cl. 74-5.500.

Donohue, James M., to Xerox Corporation. Registration reset system. 3,790,270, 2-5-74, Cl. 355-14.000.

Donohue, James M., to Xerox Corporation. Processing control system for printing machines. 3,790,271, 2-5-74, Cl. 355-14.000.

Donohue, James M.; and Mueller, Daniel L., to Xerox Corporation. Programming control system for printing machine. 3,796,486, 3-12-74, Cl. 355-16.000.

Donohue, James M.; and Gerhasi, Dennis P., to Xerox Corporation. Toner reclaiming method. 3,816,157, 6-11-74, Cl. 117-19.000.

Donohue, James M.; Kramer, Joseph R.; and Rouek, Victor, to Xerox Corporation. Synchronizing apparatus. 3,820,893, 6-28-74, Cl. 355-14.000.

Donohue, James P.: *See—*
Gilberg, Robert C.; Donohue, James P.; and Patel, Ramesh S., 3,798,421.

Donohue, Paul C., to Du Pont de Nemours, E. I., and Company Semiconducting europium- and/or ytterbium-containing sulfides and selenides of pseudo-orthorhombic crystal structure. 3,801,702, 4-2-74, Cl. 423-263.000.

Donohue, Paul Christopher, to Du Pont de Nemours, E. I., and Company. Lanthanide transition metal ternary chalcogenides. 3,851,045, 11-26-74, Cl. 423-263.000.

Donot, Guy R. Machine for making coffee beverage. 3,791,284, 2-12-74, Cl. 99-289.000.

Donovan, Daniel L., to Borg-Warner Corporation. Charge forming apparatus. 3,791,632, 2-12-74, Cl. 261-35.000.

Donovan, John C.; Klein, Carl F.; Korta, Lawrence B.; and Krishnaiyer, Ramesh, to Johnson Service Company. Coded tone multiplexed alarm transmission system. 3,792,470, 2-12-74, Cl. 340-409.000.
Donovan, John S. Gas fired machine gun. 3,853,035, 12-10-74, Cl. 89-33.00c.
Donovan, William M., to Warner-Lambert Company. Shaving unit for safety razor. 3,851,392, 12-3-74, Cl. 30-346.580.
Donowitz, Howard; and O'Hara, William J. Surgical implant device. 3,788,327, 1-29-74, Cl. 128-350.00r.
Donselman, Edward H.; and McCloy, Graham S., to Westinghouse Electric Corporation. Dishwasher drying system. 3,807,420, 4-30-74, Cl. 134-114.000.
Doo, Ven Y.; Ho, Irving T.; and Jen, Teh-Sen, to International Business Machines Corporation. Semiconductor shift register. 3,796,928, 3-12-74, Cl. 317-235.00r.
Doohan, Majorie T. Jewelry organizing cabinet. 3,813,138, 5-28-74, Cl. 312-309.000.
Dooley, Gerald F.; and Monroe, Marvin E., to North Electric Company. Arrangement for transmitting digital pulses through an enalog TDM switching system. 3,806,654, 4-23-74, Cl. 179-15.0af.
Dooley, James A.: *See—*
Staples, Paul R.; and Dooley, James A., 3,821,681.
Dooley, James Edward, to Dooley, T., & Co. Limited. Sheet squaring apparatus. 3,842,995, 10-22-74, Cl. 214-65.000.
Dooley, James L., to McCulloch Corporation, mesne. Method and apparatus starting an internal combustion engine. 3,853,109, 12-10-74, Cl. 123-179.00s.
Dooley, James L., to McCulloch Corporation, mesne. Chain saw inertia clutch assembly. 3,857,180, 12-31-74, Cl. 30-383.000.
Dooley, James Linville, to McCulloch Corporation, mesne. Chain saw safety method and apparatus. 3,839,795, 10-8-74, Cl. 30-383.000.
Dooley, Joseph F., to Pfizer Inc. Method for determining glucose with O-toluidine reagent containing an arsenic compound. 3,792,044, 2-12-74, Cl. 23-230.00b.
Dooley, Ronald M.; and Haas, John W., to Tri-State Hospital Supply Corporation. Two-piece bedpan. 3,846,849, 11-12-74, Cl. 4-112.000.
Dooley, T., & Co. Limited: *See—*
Dooley, James Edward, 3,842,995.
Doolin, John H., to Worthington Corporation. Adaptor and frame for a centrifugal pump. 3,841,791, 10-15-74, Cl. 415-170.00a.
Doolittle, Billy J., to Litton Business Systems, Inc. Looseleaf binder. 3,829,225, 8-13-74, Cl. 402-17.000.
Doolittle, Donald B., to All American Industries, Inc. Aircraft arresting barrier. 3,810,595, 5-14-74, Cl. 244-110.00c.
Doolittle, Donald B., to All American Industries, Inc. Aircraft arresting apparatus. 3,827,660, 8-6-74, Cl. 244-110.00c.
Doolittle, Donald B., to All American Industries, Inc. Composite aircraft. 3,856,236, 12-24-74, Cl. 244-2.000.
Doolittle, Howard D., to Machlett Laboratories, Incorporated, The. Image intensifier with improved input screen. 3,825,787, 7-23-74, Cl. 313-102.000.
Doolittle, Milton A., to Select-A-Size, Ltd. Mirror having variable convex lower portion. 3,832,039, 8-27-74, Cl. 350-295.000.
Doolittle, Richard D.; and Dorr, John A., to Chesapeake Instrument Corporation. Multiple element phased array with shaded sub-element groups. 3,852,708, 12-3-74, Cl. 340-7.00r.
Doomernik, Cornelis, to Wed. Joh. Verhulst en Zonen B.V. Air conditioning system. 3,827,257, 8-6-74, Cl. 62-418.000.
Doonan, David F.: *See—*
Hirdler, Louis C.; Schiessl, Henry W.; and Doonan, David F., 3,835,136.
Hirdler, Louis C.; Schiessl, Henry W.; and Doonan, David F., 3,846,424.
Doonan, Nathaniel J.: *See—*
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Door Controls Incorporated: *See—*
Fischbach, Frederick F., 3,822,506.
Doorakian, George A., to Dow Chemical Company, The. Aromatic polysulfide polymer. 3,843,614, 10-22-74, Cl. 260-79.000.
Doorakian, Goerge A.: *See—*
Schmidt, Dennis L.; and Doorakian, Goerge A., 3,843,605.
Doorcraft Inc.: *See—*
Carmichael, Eldon W., 3,808,759.
Doorley, Richard B.; and Gaslevic, Emeric, to Trace, Inc. Portable tester for hydraulic power circuits. 3,857,282, 12-31-74, Cl. 73-168.000.
Doose, Conrad, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Conduit system for the transport of liquid and/or gaseous media and method. 3,822,714, 7-9-74, Cl. 137-1.000.
Dopera, Edgar E. Stringed musical instrument with removable neck. 3,831,485, 8-27-74, Cl. 84-275.000.
Dopkin, Joseph A.: *See—*
Canova, Fred; Krouse, Leroy M.; Hornschuch, Hanns; Hermann, Paul; and Dopkin, Joseph A., 3,850,547.
Dopkin, Joseph A.; and Hermann, Paul, to Ingersoll-Rand Company. Shaft vibration dampening means and method. 3,836,215, 9-17-74, Cl. 308-184.000.
Doppler, Leonard H.: *See—*
Berstein, Gregor; Hardy, John F.; and Doppler, Leonard H., 3,793,302.
Doran, Barbara Jean. Hygienic cleaning device for the anal area of the human body. 3,797,481, 3-19-74, Cl. 128-65.000.
Doran, E. James; and Berliner, Wallace H., to Waldes Kohinoor, Inc. Dual retaining ring device for facilitating the assembly of universal joints. 3,783,638, 1-8-74, Cl. 64-17.00a.
Doran, John T.; and Maddock, John C. Automated handling system for container held material. 3,782,565, 1-1-74, Cl. 214-16.40r.
Doran, Robert J.; Grall, Robert W.; and Pane, Joseph F., to Windor, Incorporated. Carton casing apparatus. 3,820,302, 6-28-74, Cl. 53-159.000.
Doran, Ronald W.: *See—*
Weeks, Lorne E.; and Doran, Ronald W., 3,802,848.
Doran, Thomas J., Jr.; and Stevens, Henry C., to PPG Industries, Inc. Abrasion-resistant vulcanizates. 3,821,133, 6-28-74, Cl. 260-3.000.
Dorawala, Tansukhlal G.: *See—*
Estes, John H.; Kerr, Edwin R.; and Dorawala, Tansukhlal G., 3,855,335.
Dorazio, Alton, Jr.: *See—*
Altenburger, Otto; and Dorazio, Alton, Jr., 3,842,214.
D'Orazio, Vincent T., to Johnson, S. C., & Son, Inc. Benzyl chrysanthemomates. 3,792,079, 2-12-74, Cl. 260-468.00h.
Dorchai, Raphael O.: *See—*
Boocock, David G. B.; Dorchai, Raphael O.; Osiecki, Jeanne H.; and Ullman, Edwin F., 3,799,942.
Dorchak, Thomas P.: *See—*
Santangelo, Joseph G.; and Dorchak, Thomas P., 3,812,017.
Dore, Jacky, to Sandoz Ltd. Dyeing polyamide fibers with chromium-donating monoazo dyestuffs. 3,782,897, 1-1-74, Cl. 8-43.000.
Dore, James E.; Sevier, Peter E.; and Yarwood, John C., to Swiss Aluminium Ltd. Purification of molten aluminum and alloys. 3,854,934, 12-17-74, Cl. 75-68.00r.
Doreleijers, Theodorus Cornelis Gerardus: *See—*
Eisses, Reinhart Charles Willem; Bongenaar, Hendrik; and Doreleijers, Theodorus Cornelis Gerardus, 3,818,557.
Dorey, George B. Door for a railway box car opening. 3,807,092, 4-30-74, Cl. 49-225.000.
Dorey, Howard Anthony: *See—*
Ley, Anthony John; and Dorey, Howard Anthony, 3,845,388.
Metcalf, Eric; and Dorey, Howard Anthony, 3,792,352.
Dorey, Howard Anthony, to Solartron Electronic Group Limited, The. Electrically controlled switching circuits. 3,794,930, 2-26-74, Cl. 330-10.000.
Dorey, Howard Anthony, to Solartron Electronic Group Limited, The. Keyboard having double key detector. 3,796,880, 3-12-74, Cl. 250-209.000.
Dorfel, Gerhard Walter, to Osakeyhtio, A. Ahlstrom. Apparatus for slitting moving webs. 3,786,705, 1-22-74, Cl. 83-71.000.
Dorfel, Gerhard Walter, to Osakeyhtio, A. Ahlstrom. Supporting-roller reeling apparatus. 3,837,593, 9-24-74, Cl. 242-66.000.
Dorfel, Gerhard Walter, to A. Ahlstrom Osakeyhtio. Method and apparatus for continuously reeling webs of material into individual rolls. 3,841,578, 10-15-74, Cl. 242-66.000.
Dorfel, Walter; and Gorner, Bernd, to Ahlstrom Development GmbH. Pressure-balanced wide web guide roller. 3,854,646, 12-17-74, Cl. 226-191.000.
Dorfelt, Christoph; Fischer, Klaus; and Dittmar, Walter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Organo tin derivatives of tetrafluorocyclo-butyl acrylic acids. 3,806,530, 4-23-74, Cl. 260-429.700.
Dorff, Donald; and Santi, Joseph A., to Hydraulic Products Incorporated. Hydraulic power translating device. 3,834,842, 9-10-74, Cl. 418-75.000.
Dorffel, Jorg: *See—*
Biethan, Uwe; Dorffel, Jorg; Hornung, Karl-Heinz; and Riemhofer, Franz, 3,852,375.
Dorffel, Jorg; and Biethan, Uwe, to Chemische Werke Huls Aktiengesellschaft. Coating compositions. 3,819,757, 6-25-74, Cl. 260-850.000.
Dorfman, Bertrand; and Lizzio, N. John, to Codata Corporation. Multiple address direct coupled communication and control current carrier system. 3,818,481, 6-18-74, Cl. 340-310.00r.
Dorfman, Edwin: *See—*
Emerson, William E.; and Dorfman, Edwin, 3,839,306.
Dorfman, Edwin; Emerson, William E.; and Carr, Russell L. K., to Hooker Chemical Corporation. Omega cyanoperfluoroalkanoyl fluorides. 3,795,693, 3-5-74, Cl. 260-465.400.
Dorfman, Jan William. Disposable inner mould for boats and method of manufacture. 3,832,745, 9-3-74, Cl. 9-6.000.
Dorfman, Walter: *See—*
Miller, Robert J.; and Dorfman, Walter, 3,840,751.
Dorgebray, Gerard, to Elf-Union S.A. Method and device for detecting and locating leaks in buried pipelines. 3,817,086, 6-18-74, Cl. 73-40.50r.

Dori, Hisashi, to Yoshida Kogyo Kabushiki Kaisha. Slider holder. 3,812,571, 5-28-74, Cl. 29-207.5sl.
Doric Corporation: *See—*
Youra, Charles J., 3,848,495.
Doring, Friedrich: *See—*
Claus, Gunter; and Doring, Friedrich, 3,784,134.
Doring, Gerhard, to Jenoptik Jena G.m.b.H. Device for rapid switching of inductors. 3,789,237, 1-29-74, Cl. 307-104.000.
D'Orio, Salvatore A.: *See—*
Adams, Kenneth D.; and D'Orio, Salvatore A., 3,782,311.
Dorion, Francis W., Jr.; Nissen, Warren I.; and Pomfret, Edward E., to Gillette Company, The. Shaving system. 3,786,563, 1-22-74, Cl. 30-50.000.
Dorion, Francis W., Jr., to Gillette Company, The. Razor with plastic handle and guard. 3,795,955, 3-12-74, Cl. 30-59.000.
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Dorling, Anthony, to Ferro Manufacturing Corporation. Valve. 3,857,406, 12-31-74, Cl. 137-315.000.
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Dorman, Ervin L., to Coulter Electronics, Inc. Manometer system for monitoring pressure in a particles study device. 3,838,601, 10-1-74, Cl. 73-401.000.
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Dorn, Edward G. Bookrack. 3,800,958, 4-2-74, Cl. 211-43.000.
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Dornbush, Ross J. Shipper package. 3,845,859, 11-5-74, Cl. 206-320.000.
Dorner, Heinz. Multi-purpose built-up shelving. 3,841,725, 10-15-74, Cl. 312-107.000.
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Dorough, Joe, Jr. Portable electric automobile jack. 3,844,535, 10-29-74, Cl. 254-103.000.
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Dorr, Richard L.; Ihnot, Edward G.; and Varner, Malcolm E., to International Business Machines Corporation. Multiple formatting for record-controlled machines. 3,825,726, 7-23-74, Cl. 235-61.60r.
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Dortenzo, Alexander T., to Pennsylvania Engineering Corporation. Gas handling system for metallurgical vessels. 3,799,525, 3-26-74, Cl. 266-35.000.
Dortenzo, Alexander T., to Pennsylvania Engineering Corporation. Method and apparatus for cooling the exhaust gas system of metallurgical vessels. 3,799,763, 3-26-74, Cl. 75-60.000.
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dos Santos, Antonio Monterio Alves. Rational alphabetic system. 3,835,468, 9-10-74, Cl. 340-365.00r.
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Doss, Richard C., to Phillips Petroleum Company. Polyacid halide modified copolymers of vinylpyridines and acrylamide or methacrylamide. 3,810,877, 5-14-74, Cl. 260-78.40d.
Doss, Richard C.; and Thomas, Moses L., to Phillips Petroleum Company. Hydrogenated polyphenols as sulfur solubilizers in polythiol sealants. 3,829,526, 8-13-74, Cl. 260-75.00s.
Doss, Richard C.; and Gingerich, Leo L., to Phillips Petroleum Company. Chromate curable sealant compositions. 3,849,381, 11-19-74, Cl. 260-75.00s.
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Dougherty, John S., to Allied Products Corporation. Window frame structure. 3,813,833, 6-4-74, Cl. 52-214.000.
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Doughty, Rubert H. Golf putting device. 3,817,535, 6-18-74, Cl. 272-180.000.
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Downs, Thomas P. Record divider and preservative. 3,854,729, 12-17-74, Cl. 274-1.00r.
Downs, William: *See—*
Darlinger, Edward P.; Downs, William; and Stewart, Jack F., 3,834,129.
Dowrick, R. Lindsay. Toy boat conversion kit for an expended container. 3,830,010, 8-20-74, Cl. 46-11.000.
Dowty Boulton Paul Limited: *See—*
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Doyel, John S. Molding die block. 3,809,356, 5-7-74, Cl. 249-155.000.
Doyel, John S. Portable lightweight hand-held sewing machine. 3,837,306, 9-24-74, Cl. 112-169.000.
Doyen, Louis, to Thimonnier & Cie. Metering dispenser for a flowable material. 3,831,821, 8-27-74, Cl. 222-255.000.
Doyle, Carl L.: *See—*
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Doyle, Daniel C., to Nashua Corporation. Retaining ring for magnetic disc pack assembly. 3,838,464, 9-24-74, Cl. 360-137.000.
Doyle, Donald A., to Robertshaw Controls Company. Vebration actuated switch with magnetic holding means and armature reset positioning means. 3,794,786, 2-26-74, Cl. 200-61.45r.
Doyle, Earl N., to Petro-Form Industries (Trinidad) Ltd. Polymerization of crude petroleum hydrocarbon. 3,810,860, 5-14-74, Cl. 260-33.6ub.
Doyle, Earl N. Thermosetting unsaturated polyester foam products. 3,823,099, 7-9-74, Cl. 260-2.5be.
Doyle, Edward F.: *See—*
Witzel, Walter H.; and Doyle, Edward F., 3,797,248.

Doyle, Edward J.; and Bartram, Nial C., to Schick Incorporated. Portable hooded hair moisturizer and dryer. 3,814,111, 6-4-74, Cl. 132-9.000.
Doyle, Edward J.; and Bagwell, Richard S., Jr., to Schick Incorporated. Electric fluid heating unit. 3,846,614, 11-5-74, Cl. 219-302.000.
Doyle, Edward J.; Landis, Earle; and Saganowski, Mieczyslaw, to Schick Incorporated. Hair styling appliance. 3,854,489, 12-17-74, Cl. 132-11.000.
Doyle, Frank B. Radiant heat absorber. 3,847,174, 11-12-74, Cl. 137-334.000.
Doyle, Gerald, to Exxon Research and Engineering Company. Disproportionation process. 3,849,513, 11-19-74, Cl. 260-683.00d.
Doyle, James H., to Master Specialties Company. Method for compressing and synthesizing a cyclic analog signal based upon half cycles. 3,789,144, 1-29-74, Cl. 179-15.55t.
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Doyle, Richard C.; Wahlgren, Wallace W.; and Douglas, Ellwood S., to Rucker Company, The. Electric receptacle assembly with ground fault protection. 3,813,579, 5-28-74, Cl. 317-18.00d.
Doyle, Richard H., to Fastener Corporation. Apparatus for driving staples. 3,807,619, 4-30-74, Cl. 227-83.000.
Doyle, Richard H. Apparatus for driving staples. 3,822,816, 7-9-74, Cl. 227-83.000.
Doyle, Richard H.; and Obergfell, Allen R., to Fastener Corporation. Pneumatic nailing machine. 3,837,556, 9-24-74, Cl. 227-136.000.
Doyle, William C., Jr., to Gulf Research & Development Company. Process for manufacturing a liquid thiocarbamate. 3,804,873, 4-16-74, Cl. 260-455.00a.
Doyle, William C., Jr., to Gulf Research & Development Company. Process for manufacturing a liquid thiocarbamate. 3,808,253, 4-30-74, Cl. 260-455.00r.
Doyle, William C., Jr.; and Kirkpatrick, Joel L., to Gulf Research & Development Company. N-(5-chlorotert. butyl-2-thiadiazolyl) carboxamides and use to combat unwanted vegetation. 3,823,005, 7-9-74, Cl. 71-90.000.
Doyle, William C., Jr.; and Hedrich, Loren E., to Gulf Research & Development Company. 2-(1,3,3-Trimethylureido)-1,3,4-thiadiazole-5-n, n-dimethylsulfonamide. 3,824,247, 7-16-74, Cl. 260-306.80d.
Doyle, William C., Jr., to Gulf Research & Development Company. 1,3,4-Thiadiazine herbicides. 3,854,924, 12-17-74, Cl. 71-90.000.
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Doyle, William L., to TRW Inc. Recovery of SO2 and SO3 from flue gases. 3,832,444, 8-27-74, Cl. 423-242.000.
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Drabek, Jozef; and Varsanyi, Denis, to Ciba-Geigy Corporation. Phosphoric acid phenylsulphonamide esters. 3,855,362, 12-17-74, Cl. 260-944.000.
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Draber, Wilfried; Buchel, Karl Heinz; Regel, Erik; and Plempel, Manfred, to Bayer Aktiengesellschaft. N-methyl-imidazole derivatives and their production. 3,787,415, 1-22-74, Cl. 260-250.00r.
Draber, Wilfried; Regel, Erik; Buchel, Karl-Heinz; and Blempel, Manfred, to Bayer Aktiengesellschaft. Substituted N-benzylimidazoles. 3,794,653, 2-26-74, Cl. 260-296.00r.
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Draber, Wilfried; Regel, Erik; Buchel, Karl Heinz; Eue, Ludwig; and Schmidt, Robert R., to Bayer Aktiengesellschaft. Heterocyclic-substituted N-imidazol plant-growth influencing agents. 3,852,056, 12-3-74, Cl. 71-76.000.
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Drake, Cyril Francis; and Amos, Robert Walter James, to International Standard Electric Corporation. Lead free glass composition. 3,847,625, 11-12-74, Cl. 106-52.000.

Drake, Daniel D.; Lloyd, Evan M.; and Norris, Richard F., to Singer Company, The. Long period integrator. 3,783,392, 1-1-74, Cl. 328-127.000.

Drake, Frederick E. Expansion joint. 3,834,741, 9-10-74, Cl. 285-226.000.

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Drake, Harry N., Jr., to Cities Service Oil Company. Support for chromogenic glycol test reagent. 3,784,358, 1-8-74, Cl. 23-253.0tp.

Drake, John Alfred; Payne, Alan James; and Reichert, Andrew Ronald, to International Computers Limited. Data processing arrangements. 3,846,759, 11-5-74, Cl. 340-172.500.

Drake, King B., to Dracon Industries. Lock for hinged rack. 3,792,777, 2-19-74, Cl. 211-169.000.

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Draper, Robert; Beecher, Donald T.; and Ayers, David L., to Westinghouse Electric Corporation. Range exterior surface cooling device. 3,831,578, 8-27-74, Cl. 126-19.00r.

Drappeu, Robert E.; Gould, Hughjean Burton; and Maust, Daniel A., to Drackett Company, The. Carpet sweeper. 3,789,454, 2-5-74, Cl. 15-41.00r.

Drasch, Josef; Scheiber, Robert; and Wessner, Harald, to Vockenhuber, Karl and Hauser, Raimund. Photographic film-handling appliance. 3,810,692, 5-14-74, Cl. 352-174.000.

Drasner, Joseph, to Dow Chemical Company, The. Chlorinated polyethylene-organic polyisocyanate adhesive for laminating chlorinated polyolefin film or sheet materials to fabric. 3,794,613, 2-26-74, Cl. 260-33.6ua.

Drathschmidt, Carl J. Magnetic controlled door lock. 3,785,188, 1-15-74, Cl. 70-276.000.

Draugelis, Vaidevutis C.; and Dole, Otto R., to Xerox Corporation. Cleaning apparatus. 3,819,263, 6-25-74, Cl. 355-17.000.

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Draughon, Roland C.; Jensen, Paul D.; and Jensen, Donald E. Concrete plank mold for a molding machine. 3,813,076, 5-28-74, Cl. 249-50.000.

Draut, Robert L., to Allis-Chalmers Corporation. Method for axially adjusting the position of a shaft. 3,838,987, 10-1-74, Cl. 29-426.000.

Dravnieks, Andrew, to IIT Research Institute. Method of analyzing odors. 3,815,405, 6-11-74, Cl. 73-23.000.

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Drax, Heinz; and Stut, Hans, to Siemens Aktiengesellschaft. Sensing minor brightness differences in the television image in a system for zone-melting of a semiconductor. 3,816,650, 6-11-74, Cl. 178-6.800.

Draxler, Walter E., to Golconda Corporation. Micro torch. 3,831,631, 8-27-74, Cl. 137-606.000.

Dray, Robert F., to Feed Screws, Inc. Mixing element for extruder screw. 3,788,612, 1-29-74, Cl. 259-182.000.

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Drayton, Walker E.; and Krout, Elwood L., to American Chain & Cable Company, Inc. Spreader beam fitting. 3,831,993, 8-27-74, Cl. 294-81.00r.

Drayton, William Barry Dymock; and Knights, Paul Marshall. Electron microscopes. 3,795,808, 3-5-74, Cl. 250-310.000.

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Drebes, Friedrich-Wilhelm, to Otto, C., Dr., & Comp., G.m.b.H. Air heater with internal combustion chamber. 3,824,070, 7-16-74, Cl. 432-214.000.

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Drebinger, Peter; and Pfeffer, Gerd, to Siemens Aktiengesellschaft. Street traffic signal system. 3,833,881, 9-3-74, Cl. 340-31.00a.

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Drees, Jan M., to Textron Inc. Helicopter vibration isolation. 3,845,917, 11-5-74, Cl. 244-17.270.

Drees, Jan M.; and Shipman, David, to Textron Inc. Multi-frequency helicopter vibration isolation. 3,857,534, 12-31-74, Cl. 244-17.270.

Drees, Michael J.; and Grundtner, Matthias J., to Nortronics Company, Inc. Magnetic head read-to-write gap crossfeed shielding. 3,806,902, 423-74, Cl. 360-129.000.

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Dreher, Bernd; and Schneider, Wolfgang, to Ciba-Geigy AG. Process for impregnating porous, inorganic substrates or roadways. 3,850,661, 11-26-74, Cl. 117-123.00d.

Dreher, Donald F. Dry dry transfer. 3,843,480, 10-22-74, Cl. 161-167.000.

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Dreher, James Howard, to McCord Corporation. Resilient energy absorbing assembly. 3,856,615, 12-24-74, Cl. 161-168.000.

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Drehman, Lewis E.; and Farha, Floyd E., Jr., to Phillips Petroleum Company. Process for producing lead free motor fuel. 3,844,935, 10-29-74, Cl. 208-79.000.

Dreibelbis, Richard C.: *See—*
Rifkin, Ernest; and Dreibelbis, Richard C., 3,790,075.

Dreier Brothers, Inc.: *See—*
Dreier, Raymond C., 3,797,545.
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Dassler, Rudolf; Dreier, Horst; Strickle, Erich; and Muller, Norbert, 3,818,617.

Dreier, Melvin E. Stack former. 3,837,506, 9-24-74, Cl. 214-9.000.

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Dreikorn, Barry A.; and Kramer, Kenneth E., to Lilly, Eli, and Company. Certain S-triazolo(4,3-a)quinolines as agents for control of plant pathogens. 3,839,569, 10-1-74, Cl. 424-258.000.

Dreis & Krump Manufacturing Company: *See—*
Hrye, John F., 3,841,140.

Dreisbach, Robert H.: *See—*
Richeson, William E., Jr.; and Dreisbach, Robert H., 3,845,242.

Dreisewerd, Douglas W.: *See—*
Green, Samuel I.; and Dreisewerd, Douglas W., 3,832,543.

Dreisin, Alexander, to Allis-Chalmers Corporation. Injection timing modulator. 3,847,126, 11-12-74, Cl. 123-140.00r.

Dreissigacker, Erich; and Jager, Kurt, to BBC Brown Boveri & Company, Limited. Rotary rectifier arrangement for the excitation of synchronous machines. 3,838,302, 9-24-74, Cl. 310-68.00d.

Drejza, John Edward: *See—*
Bolan, Peter Samuel; Bryant, Aramis Duane; Drejza, John Edward; Holovka, Charles Stephen; and Weber, Ludwig Wilhelm, 3,848,722.

Drekhova, Natalia Vsevolodovna: *See—*
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Drella, Charles L.; Fineo, Carlo; Jenssen, Lloyd W.; and Scott, William, Jr., to Johns-Manville Corporation. Inverting and reversing conveyor. 3,808,771, 5-7-74, Cl. 53-118.000.

Dremin, Anatoly Nikolaevich: *See—*
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Drennan, Arthur P.: *See—*
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Drenzyk, Tefel F. Finger saver pliers. 3,820,274, 6-28-74, Cl. 43-53.500.

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Dresen, Stanley F.; d/b/a SFD Oil Filters: *See—*
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Dresie, Carl F.; Tucker, William M.; and White, Walter R., to Eastman Kodak Company. Cellulose ester dope solution containing inorganic chromium salts. 3,793,043, 2-19-74, Cl. 106-194.000.

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Dressel, William George: *See—*
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Dresser, Bruno: *See—*
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Dresser Europe S.A.: *See—*
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Dresser Industries, Inc.: *See—*
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Amwake, Harvey Edward, 3,832,954.
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Dresser Industries, Inc., mesne: *See*—
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Dressler, Bruno, to Regie Nationale des Usines Renault. Floating-nut mounting. 3,842,686, 10-22-74, Cl. 74-424.80a.

Dressler, Thomas C.; and Arnold, Thomas J. Dispensing carton. 3,831,833, 8-27-74, Cl. 229-17.00m.

Dreves, Alfred E., to General Electric Company. Membrane mounting assembly and method. 3,834,543, 9-10-74, Cl. 210-232.000.

Drevet, George, to Manufacture Francaise d'Aimes & Cycles de Saint-Etienne. Double acting triggering mechanism for a double barreled sporting gun. 3,800,455, 4-2-74, Cl. 42-42.00r.

Drevet, Georges. Rifle butt plate unit. 3,852,904, 12-10-74, Cl. 42-74.000.

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Drevici, Ulla; and Drevici, Noe. Process for the complete utilization of cocoa fruits. 3,809,778, 5-7-74, Cl. 426-481.000.

Drew, Charles M.: *See*—
McEwan, William S.; and Drew, Charles M., 3,820,953.

Drew Chemical Corporation: *See*—
Jones, Graham P.; and Mahn, Frederick R., 3,833,340.
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Drew Engineering Co.: *See*—
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Drew, John: *See*—
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Drew, John H.; and Bentley, Robert F., to Rain Jet Corporation, mesne. Shower head. 3,791,584, 2-12-74, Cl. 239-237.000.

Drew, Louis Edward: *See*—
Buzzard, Clair Alan; and Drew, Louis Edward, 3,801,740.

Drewry, Hugh S.: *See*—
Lesperance, Lawrence M.; Drewry, Hugh S.; and Vegners, Gunars, 3,824,694.

Drewry, Hugh S., to Allis-Chalmers Corporation. Adapter for a vehicle having a built-in diagnostic system. 3,813,632, 5-28-74, Cl. 339-10.000.

Drewry Photocolor Corporation: *See*—
Harman, John N., Jr.; and Livingood, James S., 3,795,988.

Drews, Hilbert. Reflectors for strip type fluorescent lighting. 3,803,401, 4-9-74, Cl. 240-103.00b.

Drews, Reinhold Alvin; Rosinski, Alexander B., Jr.; and Gauer, Joseph August, to Whirlpool Corporation. Siphon break and diverter for an appliance. 3,856,036, 12-24-74, Cl. 137-216.100.

Drexel, Charles F., to Tylan Corporation. Fluid flowmeter. 3,851,526, 12-3-74, Cl. 73-202.000.

Drexel Equipment (U.K.) Limited: *See*—
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Drexel Industries, Inc.: *See*—
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Drexel, Richard Jacob, Jr.: *See*—
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Drexhage, Karl H.; Reynolds, George A.; and Specht, Donald P., to Eastman Kodak Company. Laser dye composition. 3,786,369, 1-15-74, Cl. 331-94.500.

Drexler, Edward E.; and Norder, Paul D., to Xerox Corporation. Duplex reproduction system. 3,841,754, 10-15-74, Cl. 355-17.000.

Drexler, Leonard H.: *See*—
Berejka, Anthony J.; and Drexler, Leonard H., 3,801,531.

Dreyer, Allen F.; Dreyer, Harold R.; and Dreyer, Ralph H., to Universal Research Company. Board game apparatus. 3,792,866, 2-19-74, Cl. 273-131.0ab.

Dreyer, Dennis G.: *See*—
Foley, Edward M.; Dreyer, Dennis G.; and Rogers, Herbert E., Jr., 3,846,126.

Dreyer, Floyd H., Sr. Motorcycle fairing. 3,787,088, 1-22-74, Cl. 296-78.100.

Dreyer, Gunter: *See*—
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Dreyer, Harold R.: *See*—
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Dreyer, Heinz, to Amazonen-Werke, H. Dreyer. Machine for the distribution of granulated and powdered materials. 3,809,316, 5-7-74, Cl. 239-167.000.

Dreyer, Ralph H.: *See*—
Dreyer, Allen F.; Dreyer, Harold R.; and Dreyer, Ralph H., 3,792,866.

Dreyfus, Jean Albert. Amplitude regulator means for separation frequency variations and amplitude variations of electrical signals. 3,838,217, 9-24-74, Cl. 179-1.00a.

Dreyfus, Marc G.: *See*—
Altman, Norman G.; and Dreyfus, Marc G., 3,854,822.

Dreyfus, Russell W.: *See*—
Chang, Ifay F.; and Dreyfus, Russell W., 3,813,554.

Dreyfuss, Max Peter, to Goodrich, B. F., Company, The. Hydroxyl-ended epihalohydrin polymers by cationic polymerization. 3,850,856, 11-26-74, Cl. 260-2.00a.

Dreyfuss, Max Peter, to Goodrich, B. F., Company, The. Process for the polymerization of epihalohydrin employing a trialkyl oxonium salt of an HMF6 acid as catalyst. 3,850,857, 11-26-74, Cl. 260-2.00a.

Dreyling, Alfred P.; deceased (by Dreyling, Lewis J.; executor), to Quigley Company, Inc. Refractory composition, method of making, and product. 3,833,391, 9-3-74, Cl. 106-58.000.

Dreyling, Lewis J.: *See*—
Dreyling, Alfred P., 3,833,391.

Drher, Bernd, to Ciba-Geigy Corporation. N-hydroxyalkylpiperidyl,N-hydroxyalkylpiperazyl compounds as accelerating agents in epoxy resin compositions. 3,839,281, 10-1-74, Cl. 260-47.0en.

Driebel, Carl D.; Dediemar, Ronald B.; and Schuman, Leroy J., to Barber-Greene Company. Rotatable drum type scrubber for stones, rocks, gravel, and the like. 3,837,490, 9-24-74, Cl. 209-288.000.

Driebelbis, Richard C., to Emerson Electric Co. Remote plastic dispensing head with fluid level actuated expension chamber shut off. 3,836,050, 9-17-74, Cl. 222-66.000.

Drier, Raymond C. Blade holder. 3,807,471, 4-30-74, Cl. 145-33.00a.

Driessen, Antonius Jozephus Gerardus Cornelis: *See*—
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Driffort, Jean-Pierre: *See*—
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Driggs, Leslie W., to Nutrionics Machine Corporation. Method and apparatus for treating eggs. 3,843,813, 10-22-74, Cl. 426-241.000.

Drillick, Jacob H., to International Teleprinter Corporation. Stepping machanism for teleprinter. 3,819,028, 6-25-74, Cl. 197-82.000.

Drinkard, William C., Jr.; and Lindsey, Richard V., to Du Pont de Nemours, E. I., and Company. Catalytic isomerization of 2-methyl-3-butenenitrile to linear pentene-nitriles. 3,853,948, 12-10-74, Cl. 260-465.900.

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Drischel, Karl, to Wehrle-Werk Aktiengesellschaft, Firma. Installation for removing fats from meat pulp and for producing meat meal. 3,802,635, 4-9-74, Cl. 241-282.000.

Driscoll, Aelred D., to Minnesota Mining & Manufacturing Company. Unitary hinge. 3,793,612, 2-19-74, Cl. 339-98.000.

Driscoll, Gary L.: *See*—
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Driscoll, Gary L.; and Haseltine, Marcus W., Jr., to Sun Oil Company of Pennsylvania. Lubricant comprising gem-structured organo compound. 3,793,203, 2-19-74, Cl. 252-56.00r.

Driscoll, Gary L., to Sun Research and Development Co. Polymerization of dialkyl vinylidene compounds to oils. 3,836,596, 9-17-74, Cl. 260-683.15b.

Driscoll, Gerald Jon; and Wellborn, James Larkin, to Du Pont de Nemours, E. I., and Company. Drying apparatus with feed and humidity control. 3,783,527, 1-8-74, Cl. 34-56.000.

Driscoll, John J., to Polaroid Corporation. Photographic apparatus. 3,820,137, 6-25-74, Cl. 354-86.000.

Driscoll, John J., to Polaroid Corporation. Photographic apparatus. 3,854,809, 12-17-74, Cl. 354-86.000.

Driscoll, Kendall L.: *See*—
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Driskell, Carl R., to United States of America, Navy. Colored running lights simulator. 3,804,977, 4-16-74, Cl. 178-6.800.

Driskell, Thomas D.; and Hassler, Craig R., to Battelle Development Corporation. Respirator system. 3,807,446, 4-30-74, Cl. 137-561.000.

Drive, "W" "B". Tight oil or gas formation fracturing process. 3,838,736, 10-1-74, Cl. 166-299.000.

Drive, "W" "B". Regenerative ram jet engine. 3,841,092, 10-15-74, Cl. 60-269.000.

Driver, Michael C.: *See*—
Kim, He B.; and Driver, Michael C., 3,855,690.

Driver, W. B. Remote control directional drilling system. 3,811,519, 5-21-74, Cl. 175-73.000.

Driver, W.B. Downhole electrical core drilling system. 3,837,412, 9-24-74, Cl. 175-104.000.

Driver, Wilbur B., Company: *See*—
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Starr, Carrol Dean; and Wang, Teh Po, 3,820,983.
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Driver, Wilfred D. Storable beds. 3,828,375, 8-13-74, Cl. 5-160.00r.

Driver's Dream, Inc.: *See*—
Triplett, Arthur L., 3,803,664.

Drobich, Oleg Pavlovich; Pritomanov, Alexei Evgenievich; Rokutov, Viktor Petrovich; Kirvalidze, Nikolai Spiridonovich; Gerzmava, Dusheli Vladimirovich; and Mandzjuk, Boris Valentinovich. Lubricant composition for the hot pressing of metals and a method forthe preparation thereof. 3,813,335, 5-28-74, Cl. 252-14.000.

Droege, Arthur J. Pest control device. 3,831,548, 8-27-74, Cl. 116-22.00a.

Droege, Lee John; Reardon, Michael J.; and Wilhite, Alan Roy, to Central City Micro Foundry Ltd. Method for the manufacture of flat costume jewelry. 3,813,310, 5-28-74, Cl. 156-3.000.

Droeger, John Edward. Convertible satchel and knapsack. 3,802,613, 4-9-74, Cl. 224-9.000.

Droge, Josef: *See*—
Kutscher, Gerhard; Droge, Josef; Wehling, Rolf; and Neubert, Rolf, 3,841,075.

Droin, Melvin L.; Loft, John T.; and Plovan, Steven G., to Celanese Corporation. Novel open-celled microporous film. 3,801,404, 4-2-74, Cl. 156-229.000.

Drolet, J. Guy, to Bard, C. R., Inc. Supporting stand. 3,853,297, 12-10-74, Cl. 248-412.000.

Drollinger, Ralph A.: *See*—
Mead, Mitchell F.; and Drollinger, Ralph A., 3,827,612.

Drometer, Klaus: *See*—
Strifler, Paul; Drometer, Klaus; and Scarpatltti, Diether, 3,802,745.

Dron, Ninel Alexeevna: *See*—
Alexandrovich, Eduard-Gely Vitalievich; Belkin, Nikolai Vasilievich; Zelensky, Konstantin Fedorovich; Kanunov, Mikhail Alexeevich; Razin, Anatoly Alexandrovich; Tarasova, Ljudmila Viktorovna; Toropov, Anatoly Pavlovich; Troshkin, Ivan Andreevich; Khudyakov, Ljubov Nikolaevna; Tsukerman, Veniamin Aronovich; Dron, Ninel Alexeevna; Sloeva, Galina Nikolaevna; Ioffe, Jury Konstantinovich; and Vasiliev, Vasily Vasilievich, 3,821,580.

Drone, Gary A., to Allis-Chalmers Corporation. Hydraulic control system with locking valve to prevent accidental or unauthorized lowering of a tractor implement. 3,782,249, 1-1-74, Cl. 91-411.00r.

Drone, Gary A.; and Schnepp, James M., to Allis-Chalmers Corporation. Vehicle frame including radiator and fan mounting. 3,788,419, 1-29-74, Cl. 180-68.00r.

Drone, Gary A., to Fiat-Allis Construction Machinery, Inc., mesne. Transmission controlled spring applied steering brakes. 3,837,449, 9-24-74, Cl. 192-4.00c.

Drone, Gary A.; and Ross, Roy C., to Fiat-Allis Construction Machinery, Inc. Spring applied steering brakes controlled by transmission clutch pressure. 3,841,450, 10-15-74, Cl. 192-4.00c.

Drongeson, John W.: *See*—
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Dronick, Lester Alexander; and Zimmerman, Edwin Henry, to Aycock, Inc. Traveling overhead cranes. 3,841,495, 10-15-74, Cl. 212-125.000.

Drop, Peter Cornelis: *See*—
Polman, Jan; Van der Werf, Jan Evert; and Drop, Peter Cornelis, 3,789,266.

Droppleman, David A.: *See*—
Alphin, Reevis S.; and Droppleman, David A., 3,856,962.

Drori, Assa. Recloseable carton. 3,785,478, 1-15-74, Cl. 206-45.310.

Drori, Mordeki. Strainer for liquid pipe lines. 3,789,990, 2-5-74, Cl. 210-310.000.

Drori, Mordeki. Flow-reducing device particularly useful for trickle irrigation. 3,791,587, 2-12-74, Cl. 239-267.000.

Drori, Mordeki. Rotary sprinklers. 3,831,853, 8-27-74, Cl. 239-230.000.

Droske, Donald J., to Dura Corporation. Overload release device for a motor drive. 3,789,690, 2-5-74, Cl. 74-411.000.

Drosnin, Sidney S. Radiator fin-tube construction and method. 3,850,018, 11-26-74, Cl. 72-186.000.

Drostholm, Frede Hilmar: *See*—
Drostholm, Frede Hilmar; and Meyer, Leonard S. (said Meyer assor. to said), 3,784,667.

Drostholm, Frede Hilmar; and Meyer, Leonard S., said Meyer assor. to said Drostholm, Frede Hilmar. Method for manufacturing pipes. 3,784,667, 1-8-74, Cl. 264-145.000.

Drostholm, Frede Hilmar. Method for making reinforced or filled resin products. 3,849,527, 11-19-74, Cl. 264-35.000.

Drouet, Francoise: *See*—
Dechenaux, Victor; and Drouet, Francoise, 3,796,605.

Drouhard, Alfred J., Jr.; and Weeks, John R., Jr., to Mansfield Sanitary, Inc. Flush control system. 3,811,135, 5-21-74, Cl. 4-76.000.

Drouin, Andre H.: *See*—
Herd, David P.; Fowler, John H.; Drouin, Andre H.; and Bush, Robert E., 3,800,869.

Drouven, Gustav: *See*—
Hoppe, Peter; Drouven, Gustav; and Muller, Johann, 3,817,819.

Drown, Harold Lewis: *See*—
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Droz, Francois, to Gertsch AG, mesne. Releasable ski binding. 3,801,118, 4-2-74, Cl. 280-11.35t.

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Dubreuil, Real Roger. Recessible electric floor or the like outlet assembly. 3,794,956, 2-26-74, Cl. 339-34.000.

Dubrovin, Jury Mikhailovich: *See—*
Schedrovitsky, Savely Solomonovich; Mash, Dmitry Matveevich; Golovko, Zoya Ivanovna; Goncharevich, Leonid Fomich; Lebedev, Alexei Pavlovich; Dubrovin, Jury Mikhailovich; and Suut, Nikolai Karlovich, 3,828,339.

Dubrovin, Mikhaeil Alexeevich; Davydov, Vasily Grigorievich; Bogdanov, Valery Mikhaeilovich; and Kondratiev, Viktor Grigorievich. Three-phase rectifier converter. 3,808,510, 4-30-74, Cl. 321-5.000.

DuBrow, Paul L.; and Frisque, Alvin J., to Nalco Chemical Company. Method of using latex polymer formulations for seepage control. 3,832,229, 8-27-74, Cl. 117-161.0va.

Dubs, Paul; and Pesaro, Mario, to Givaudan Corporation. Certain 2-substituted-Δ^3-thiazolines. 3,816,445, 6-11-74, Cl. 260-306.700.

Dubsky, Hanniel, to Ceskoslovenska akademie ved. Ionization current detector for chromatographic analysis. 3,850,579, 11-26-74, Cl. 23-254.0ef.

Dubuc, Rene A.: *See—*
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Dubuc, Rene A.; White, Sheldon S.; and Willoughby, Joseph A., to Texas Instruments, Incorporated. Electrical contact and method of fabrication. 3,803,711, 4-16-74, Cl. 29-630.000.

Dubuit, Louis Gilbert. Two-colour printing machines using the silk-screen process. 3,842,733, 10-22-74, Cl. 101-38.00a.

Dubuque Awning & Tent Company: *See—*
Frommelt, Cyril P.; and Frommelt, Sylvan J., 3,792,559.
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Duc, Alain: *See—*
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Duca, William J., to Ajax Magnethermic Corporation. Rear slagging for induction furnace. 3,790,338, 2-5-74, Cl. 432-247.000.

Duca, William J., to Ajax Magnethermic Corporation. Horizontal coreless induction furnaces. 3,813,470, 5-28-74, Cl. 13-29.000.

Ducasse, Henri: *See—*
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Ducasse, Joseph Christophe Victor, to Unice Machine Company. Oscillating anvil disintegrator. 3,857,520, 12-31-74, Cl. 241-189.00r.

Ducassou, Bernard: *See—*
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Ducate, John S. Pivotal clamping mechanism for die sets. 3,834,217, 9-10-74, Cl. 72-446.000.

Ducatillon, Jean, to Cato Oil & Grease Co. Apparatus for the application of a fluid pasty material on a wire shaped element. 3,823,797, 7-16-74, Cl. 184-16.000.

Ducellier & Cie: *See—*
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Duchane, David V., to Kimberly-Clark Corporation. Stabilized polyvinyl alcohol binder solution for water-flushable non-woven webs. 3,808,165, 4-30-74, Cl. 260-29.6bm.

Duchateau, Georges F., to Raffinerie tirlemontoise. Rotary countercurrent solid-liquid extraction apparatus. 3,809,538, 5-7-74, Cl. 23-269.000.

Duchateau, Georges F. M. F.; and Vandewijer, Romain G. E., to Raffinerie tirlemontoise. Use of lime in sucrate-factory. 3,844,835, 10-29-74, Cl. 127-47.000.

Duchatellier, Bernard Charles, to Rapid S.A. Electrical connection clip. 3,825,884, 7-23-74, Cl. 339-244.00r.

Duchene, Eloy: *See—*
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Duchesne, Gonzague L. Hydroxy-terminated polybutadiene diisocyanate and triol composition. 3,792,003, 2-12-74, Cl. 260-18.0tw.

Duchinsky, Yakov Efimovich; Radutsky, Grigory Avramovich; Kheifets, Rafail Efimovich; Zax, Grigory Iosifovich; Anikanov, Nikolai Ivanovich; Grachev, Leonid Pavlovich; and Frumkin, Mikhail Evseevich. Method of packing stacks of flat articles into packages ad framework used for effecting same. 3,803,797, 4-16-74, Cl. 53-32.000.

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Duck, Sherman W.; Jeffers, Frederick J.; and Lemke, James U., to Bell & Howell Company. Magnetic imaging. 3,815,987, 6-11-74, Cl. 355-3.00r.

Duckett, John C.; Gaster, Ivan; and Ensley, Rufus Neal, to Dayco Corporation. Tool for installing locking pin used to hold a die-cutting mat on a rotary anvil. 3,783,492, 1-8-74, Cl. 29-278.000.

Duckett, John W.; Brooks, Edward A.; and Reynolds, Clarke, to American Molded Products, Ltd. Self-righting road marker. 3,792,679, 2-19-74, Cl. 116-63.00p.

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Duddey, James E.; Hahn, Maneung; and Schirmer, Joseph P., Jr., to Goodyear Tire & Rubber Company, The. Process for preparing polyester and copolyester resins. 3,792,015, 2-12-74, Cl. 260-45.95h.

Duddey, James E., to Goodyear Tire & Rubber Company, The. Cationically dyeable polyesters with hydroxyalkylated isethionic acid. 3,821,169, 6-28-74, Cl. 260-77.000.

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Duddy, Joseph C., to ESB Incorporated. Water activated lead acid storage battery cell having dry discharged electrodes. 3,839,089, 10-1-74, Cl. 136-26.000.

Dudek, Ronald P.; Kosmos, Peter; and Tesk, John A., to Howmedica, Inc. Nickel alloys. 3,841,868, 10-15-74, Cl. 74-171.000.

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Dudko, Daniil Andreevich; and Danilovich, Mikhail. Planetary fluid motor with internal meshing. 3,836,292, 9-17-74, Cl. 418-63.000.

Dudko, Daniil Andreevich; Scherbina, Nikolai Yakovlevich; Suschuk-Sljusarenko, Igor Ivanovich; Chvertko, Antoly Ivanovich, Khrundzhe, Viktor Mikhailovich; and Bizik, Nikolai Konstantinovich. Flux for accomplishing welding-type electroslag process. 3,841,92, 10-15-74, Cl. 148-26.000.

Dudko, Daniil Andreevich; Sur, Mikhail Danilovich; and Asoyants, Grigory Bagradovich. Epicyclic hydropheumatic drive with internal-mesh gearing. 3,832,098, 8-27-74, Cl. 418-63.000.

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Dudley, Don J., to Data-Plex Systems, Inc. Selectable display system. 3,794,758, 2-26-74, Cl. 178-6.800.

Dudley, George M. Metered coolant valve. 3,798,726, 3-26-74, Cl. 29-106.000.

Dudley, Harvey Harmon; and Gresens, Robert Irving, to Eastman Kodak Company. Door assembly for a motion picture camera. 3,807,841, 4-30-74, Cl. 352-75.000.

Dudley, Juliette T. Color coded pocketed target projectiles and scoring indicia. 3,820,789, 6-28-74, Cl. 273-95.00r.

Dudley, Kenneth W.: *See—*
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Dudley, Michael Alan; and Claessens, Pierre Leon, to Canada Wire and Cable Company Limited. Electrocoating process and apparatus. 3,835,005, 9-10-74, Cl. 204-181.000.
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Duer, Morris J.; and Weidman, William A., to General Motors Corporation. Rotary valve with sealing structure. 3,794,297, 2-26-74, Cl. 251-309.000.
Duer, Morris J. Method and tool for effecting a thread lock. 3,798,749, 3-26-74, Cl. 29-520.000.
Duer, Morris J., to General Motors Corporation. Shaft and arm assembly. 3,814,528, 6-4-74, Cl. 403-256.000.
Duer, Morris J., to General Motors Corporation. Connecting device with expanding splines. 3,836,272, 9-17-74, Cl. 403-359.000.
Duer, Morris J. Thread locking means. 3,842,878, 10-22-74, Cl. 151-21.00c.
Duer, Morris J., to General Motors Corporation. Differential mechanism. 3,853,022, 12-10-74, Cl. 74-713.000.
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Dueringer, John Wilbur, to Textron, Inc. Deployable nozzle extension for rocket engines. 3,784,109, 1-8-74, Cl. 239-265.10g.
Duerksen, Arnold, to Cochran Western Corporation. Power shaft coupling. 3,800,556, 4-2-74, Cl. 64-6.000.
Duerksen, Arnold, to Cochran Western Corporation. Vehicle with automatically reversible four wheel steering. 3,806,160, 4-23-74, Cl. 280-444.000.
Duerksen, Robert L.; and Cohen, Joseph, to Aerojet-General Corporation. Solid propellant with polyurethane binder. 3,793,099, 2-19-74, Cl. 149-19.000.
Duerksen, Walter K.; Holcombe, Cressie E., Jr.; and Morrow, Margaret K., to United States of America, Atomic Energy Commission. Process for preparing sinterable aluminum titanate powder. 3,825,653, 7-23-74, Cl. 423-598.000.
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Duerr, Dieter; and Dittrich, Volker, to Ciba-Geigy AG. N-(2-methyl-4-chlorophenyl)-n',N'-dimethyl-thiourea. 3,801,635, 4-2-74, Cl. 260-552.00r.
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Duerr, Francis R.: *See—*
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Duff, Peter James; and Toomey, Denis, to Caravans International (motorised) Limited. Vehicle assembly kits. 3,843,189, 10-22-74, Cl. 296-1.00r.
Duff, Raymond A. Reinforced concrete boat hull. 3,793,975, 2-26-74, Cl. 114-65.00a.
Duff, Thomas Guy, to Bell Telephone Laboratories, Incorporated. Signal loop testing apparatus. 3,821,495, 6-28-74, Cl. 179-175.000.
Duffert, Heinrich, to Kraftwerk Union Aktiengesellschaft. Conductor bar for electrical machines. 3,825,783, 7-23-74, Cl. 310-213.000.
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Duffey, Thomas E.; and Coleman, William R., to Pet Chemicals, Incorporate. Composition and method for the control of fleas on domesticated animals. 3,826,232, 7-30-74, Cl. 119-157.000.
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Duffield, Peter L., to Mead Corporation, The. Catcher for a jet drop recorder. 3,836,914, 9-17-74, Cl. 346-75.000.
Duffield, Peter Leonard, to Mead Corporation, The. Apparatus and method for bar code printing. 3,787,881, 1-22-74, Cl. 346-75.000.
Duffin, George Frank; and Hogg, James, to Minnesota Mining and Manufacturing Company. Certain s-triazolo[1,5-a]pyrimidine compounds and their preparation. 3,799,926, 3-26-74, Cl. 260-256.50r.
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Duffy, Albert W.; and Ippolito, Frank. Linkage for foot operated bass drum pedal. 3,797,356, 3-19-74, Cl. 84-422.000.
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Duffy, Edward T., to Manhattan Industries, Inc. Shirt collar construction. 3,854,147, 12-17-74, Cl. 2-132.000.
Duffy, Jame V., to United States of America, Navy. Isophthalamide intermediates. 3,839,412, 10-1-74, Cl. 260-471.00r.
Duffy, James J.: *See—*
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Duffy, James V., to United States of America, Navy. Crosslinked polyamide-quinoxalines. 3,804,807, 4-16-74, Cl. 260-65.000.
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Duffy, Michael Thomas; and Carnes, James Edward, to RCA Corporation. Aluminum oxide films for electronic devices. 3,809,574, 5-7-74, Cl. 117-201.000.
Duffy, Richard J., to USM Corporation. Method of making self-locking threaded element with locking patch effective over a wide range of clearances. 3,787,222, 1-22-74, Cl. 117-21.000.
Duffy, Torrence L., II, to Conveyor Systems, Inc. Conveyor control system. 3,803,556, 4-9-74, Cl. 340-172.500.
Duffy, William B.; and Fisher, Charles K., to TRW Inc. Sheet metal nut. 3,796,123, 3-12-74, Cl. 85-32.00r.
Duffy, William M. Trolling device. 3,818,624, 6-25-74, Cl. 43-43.130.
Dufour, Charles H., to Harris-Intertype Corporation. Jam detector system. 3,815,895, 6-11-74, Cl. 270-56.000.
Dufour, Claude. Certain pyridyl cyclopropylamides. 3,822,277, 7-2-74, Cl. 260-295.0am.
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DuFrene, Clement O., 1/3 to Rosenmeier, Gordon. Power transmitting mechanism. 3,796,514, 3-12-74, Cl. 416-124.000.
Dufrene, Jean-Louis; Lacoste, Jean; Schley, Robert; and Tortel, Jean, to Commissariat a l'Energie Atomique. Method of joining a niobium tube to a stainless steel tube. 3,791,026, 2-12-74, Cl. 29-479.000.
Dufresne, Webster J., to International Telephone and Telegraph Corporation. Joy stick control mechanism with movable printed circuit switch assembly controlling motor input power polarity. 3,835,270, 9-10-74, Cl. 200-6.00a.
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Dugan, Alanson G.; and Lockyer, John, to Deutsch Relays, Inc. Mounting arrangement for electrical plug-in components. 3,790,915, 2-5-74, Cl. 339-88.00r.
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Dugan, John J.; and Yao, Keith C., to Esso Research and Engineering Company. Sulfur removal from molten media. 3,835,033, 9-10-74, Cl. 208-125.000.
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Dugan, Thomas J. Latch. 3,810,667, 5-14-74, Cl. 292-346.000.
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Duggins, Ray B.; and Vassiliou, Eustathios, to Du Pont de Nemours, E. I., and Company. Surface conditioning system for polymer structures. 3,823,023, 7-9-74, Cl. 117-5.100.
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Duggins, Ray B., to Du Pont de Nemours, E. I., and Company. Use of alumina trihydrate in a polymethyl methacrylate article. 3,847,865, 11-12-74, Cl. 260-42.520.
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Duke, Robert T., to Fibre Formations, Inc. Device for administering an enema. 3,854,479, 12-17-74, Cl. 128-227.000.

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Duke, Roy B., Jr., to Marathon Oil Company. Oxydehydrogenation of organic nitriles. 3,855,268, 12-17-74, Cl. 260-465.300.

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Dukelow, Donald A.; Hunter, Phillip B.; and King, Robert J., to United States Steel Corporation. Method of obtaining low-phosphorus contents in medium-and high-carbon steels in a bottom-blown oxygen steelmaking furnace. 3,826,647, 7-30-74, Cl. 75-60.000.

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Dukes, Lee R.: *See—*
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Dukette, William J., to American Associated Cybernetics, Inc. Relay memory circuit. 3,784,879, 1-8-74, Cl. 317-136.000.

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Dukowicz, John K.; Hoppie, Lyle O.; and Wang, Tsih C., to General Motors Corporation. DC magnetic propulsion and levitation system for high speed vehicles. 3,815,511, 6-11-74, Cl. 104-148.01m.

Dula, Alfred A.; and Wehring, Elwood, to Pipe Specialties, Inc. Sealed tubular joint. 3,811,710, 5-21-74, Cl. 285-55.000.

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Dulaney, George W. Humane elastic cinch. 3,828,521, 8-13-74, Cl. 54-23.000.

DuLaney, Lucius B.; and Theobold, Erwin F., to Kaolin Corporation. Method of producing kaolin clay from ore having silica sand content. 3,856,213, 12-24-74, Cl. 241-4.000.

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Duling, Irl N.: *See—*
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Duling, Irl N.; and Merges, John C., Jr., to Sun Research and Development Co. Method of preparing polymer coated-wax impregnated cellulosic stock. 3,791,856, 2-12-74, Cl. 117-155.0va.

Duling, Irl N.; and Gates, David S., to Sun Oil Company of Pennsylvania. Blended traction fluid containing cyclic compounds. 3,843,537, 10-22-74, Cl. 252-59.000.

Duling, Kevin G.; and Maser, Craig W., to Gunderson, Arthur M. Sound conducting apparatus for drive-in theaters. 3,854,008, 12-10-74, Cl. 179-1.0dd.

Dull, Hans-Jurgen, to Siemens Aktiengesellschaft. Switch for use in a magnetic suspension railroad. 3,854,412, 12-17-74, Cl. 104-148.0ms.

Dulle, Bernard A., to Procter & Gamble Company, The. Compliant conformable tampon. 3,794,029, 2-26-74, Cl. 128-285.000.

Dulle, Bernard A., to Procter & Gamble Company, The. Hollow foam tampons from flat blanks. 3,856,013, 12-24-74, Cl. 128-285.000.

Dulle, Bernard Allen, to Procter & Gamble Company, The. Textile tampon having a resilient foam core. 3,834,389, 9-10-74, Cl. 128-285.000.

Dullinger, Karl, to Kronseder, Hermann. Apparatus for wrapping bottle necks. 3,784,438, 1-8-74, Cl. 156-487.000.

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Dulog, Lothar G.; and Dewaele, Sylvain A. R., to S.A. Texaco Belgium N.V. Lubricating compositions containing benzo-(1,3,2-)dioxaphosphiles. 3,812,033, 5-21-74, Cl. 252-46.700.

Dulog, Lothar G.; and Dewaele, Sylvain A. R., to S.A. Texaco Belgium N.V. Phosphorus derivatives of tetrafunctional aromatic compounds. 3,819,748, 6-25-74, Cl. 260-927.00r.

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Dumas, Christ J., to American Plasticraft Company. Apparatus and circuit for providing voltage to focus anode. 3,818,305, 6-18-74, Cl. 321-2.000.

Dumas, Christ J.; and Simovits, Stephen S., Jr., to American Plasticraft Company. Voltage surge dissipator. 3,828,219, 8-6-74, Cl. 313-325.000.

Dumas, Christ J.; and Aubel, Leo J., to American Plasticraft Company. Variable resistance assembly. 3,846,731, 11-5-74, Cl. 338-127.000.

Dumas, Christ J., to American Plasticraft Company. Voltage divider assembly with thick film resistance elements. 3,855,564, 12-17-74, Cl. 338-48.000.

Dumas, Daniel; Hoynant, Georges; and Vallon, Jean. Sealing of metal bars in carbonized blocks. 3,851,377, 12-3-74, Cl. 29-493.000.

Dumas, David H., to Hercules Incorporated. Water-soluble, thermosettable resinous compositions and a salt of an aminopolyamide prepared from dicyandiamide, HCHO, ammonium salt and method for preparing the same. 3,840,486, 10-8-74, Cl. 260-29.40r.

Dumas, Emile V. Standpipe vent system and fitting for multi-story buildings. 3,848,275, 11-19-74, Cl. 4-211.000.

Dumas, Floyd A., to Acrometal Products, Inc. Curing oven for enameled wire. 3,810,736, 5-14-74, Cl. 432-59.000.

Dumas, Guy, to Silec-Semi-Conducteurs. Method of fabricating semiconductor devices to facilitate early electrical testing. 3,795,045, 3-5-74, Cl. 29-574.000.

Dumas, Guy, to Societe Anonyme Silec-Semi-Conducteurs. Method for the simultaneous difussion of impurities in silicon and semiconductor devices resulting from it. 3,814,639, 6-4-74, Cl. 148-187.000.

Dumas, Guy H., to Silec-Semi-Conducteurs. Static relays synchronized on the passage to zero. 3,848,158, 11-12-74, Cl. 317-11.00a.

Dumayne, Raymond, to Commissariat a l'Energie Atomique and Societe Creusot-Loire. Device for handling the elements of a nuclear reactor core. 3,841,964, 10-15-74, Cl. 176-30.000.

Dumazet, Eugene, to Ethylene-Plastique. Gland packings. 3,801,112, 4-2-74, Cl. 277-124.000.

Dumbaugh, George D., to Vibranetics, Inc. Flowable material storage means. 3,785,529, 1-15-74, Cl. 222-161.000.

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Dumbaugh, William H., Jr., to Corning Glass Works. Very rich elastic moduli glasses. 3,804,646, 4-16-74, Cl. 106-52.000.

Dumbaugh, William H., Jr.; and Malmendier, Joseph W. Method for making fused silica glass composites. 3,810,744, 5-14-74, Cl. 65-42.000.

Dumbaugh, William H., Jr. Beryllium-containing high elastic modulus glasses. 3,814,611, 6-4-74, Cl. 106-52.000.

Dumbaugh, William H., Jr., to Corning Glass Works. PbO-CdO-Tl_2O-Fe_2O_3 glasses. 3,837,867, 9-24-74, Cl. 106-47.00r.

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Dumeah, Peter J., to TRW Inc. Method of adapting manual rock and pinion steering gear to accommodate a power mode of operation. 3,800,407, 4-2-74, Cl. 29-481.000.

Dumesnil, Gerard Paul Louis. Collar for automobile vehicle battery. 3,829,823, 8-13-74, Cl. 339-228.000.

Dumin, David Joseph, to Inselek Inc. Process for producing lightly doped P and N-type regions of silicon on an insulating substrate. 3,846,194, 11-5-74, Cl. 148-188.000.

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Dummerfield, Francis; and Unthank, Alexander. Valves. 3,826,461, 7-30-74, Cl. 251-7.000.

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DuMont, Hans-Christoph; Strohwald, Rainer; and Reum, Helmut, to Bosch, Robert, G.m.b.H. Method and apparatus for electrographic drawing. 3,846,801, 11-5-74, Cl. 346-74.00e.

Dumont, Jacques, to Kuhn S.A. Fertilizer distributor. 3,831,818, 8-27-74, Cl. 222-145.000.

Dumont, Philippe, to Carriere et Fours a Chaux Dumont-Wantier. Process of obtaining a dry and powdery mixture of hydrated lime and plaster. 3,827,897, 8-6-74, Cl. 106-110.000.

Dumont-Fillon, Jacques; and Vedda, Louis, to Institut de Recherches de la Siderurgie Francaise. Method for continuous casting of metal. 3,799,239, 3-26-74, Cl. 164-87.000.

Dumoulin, Jean; and Linguenheld, Louis, to Rhone-Poulenc S.A. Organosilicon compositions for the non-stick treatment of sheets and films. 3,821,154, 6-28-74, Cl. 260-33.6sb.

Dumoulin, Joseph; and Obsomer, Marc, to Solvay & Cie. Process for the preparation of vinyl chloride polymers grafted on polymers of ethylene. 3,789,083, 1-29-74, Cl. 260-878.000.

Dumstorff, Eugene Francis; Iverson, John Howard; Schloss, Phillip Christian; and Wong, Philip Chock-Yueh, to International Business Machines Corporation Memory access device. 3,789,367, 1-29-74, Cl. 340-172.500.

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Dunaway, J. C., to United States of America, Army. Fluidic actuator. 3,802,317, 4-9-74, Cl. 91-3.000.

Dunbar, Antoinette, to Esso Research and Engineering Company. Wax and asphalt (bitumen) packs. 3,832,825, 9-3-74, Cl. 53-25.000.

Dunbar, Clarence E., to TRW Inc. Mechanical seal isolator. 3,854,064, 12-10-74, Cl. 310-87.000.

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Dunbar, Joseph E., to Dow Chemical Company, The. Sulfur-containing 4-hydroxycoumarins and their salts. 3,810,922, 5-14-74, Cl. 260-343.20r.

Dunbar, Joseph E.; Harris, Robert F.; and McCarthy, James R., Jr., to Dow Chemical Company, The. Sulfur-containing hydroxypyridones. 3,847,927, 11-12-74, Cl. 260-294.80f.

Dunbar, Joseph E.; and Bohnert, Thomas J., to Dow Chemical Company, The. 2-(Sulfur-substituted)-3-hydroxy-5,3-dimethyl-2-cyclohexen-1-ones and preparation. 3,852,359, 12-3-74, Cl. 260-590.000.

Duncan, Alex R., to Molson Companies Limited, The. Uncaser cup. 3,831,995, 8-27-74, Cl. 294-90.000.

Duncan, Alfred D., to Duncanlite Laboratory, Inc. Table service. 3,791,550, 2-12-74, Cl. 220-23.860.

Duncan, Alfred D., to Duncanlite Laboratory, Inc. Interconnected hoops and targets. 3,823,942, 7-16-74, Cl. 273-100.000.

Duncan, Anthony Bruce, to Rucker Company, The. Crane aiding mechanism. 3,799,505, 3-26-74, Cl. 254-173.000.

Duncan, Anthony Bruce; Sprague, Richard Galen; and Chin, Arthur Hor Ting, to Rucker Company, The. Drill string compensator. 3,804,183, 4-16-74, Cl. 175-5.000.

Duncan, Bernard F.; and Seto, David K., to International Business Machines Corporation. Semiconductor fabrication method for accommodating redundancy. 3,846,259, 11-5-74, Cl. 204-15.000.

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Duncan, Darrell Oliver: *See—*
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Duncan, David Gray, to Imperial Chemical Industries Limited. Polish compositions. 3,814,710, 6-4-74, Cl. 260-28.000.

Duncan, David M.; and Johnson, Joseph H., to Communications Transistor Corporation. Transistor package. 3,784,883, 1-8-74, Cl. 317-234.00r.

Duncan, Donald F., Jr. Yo yo construction. 3,805,443, 4-23-74, Cl. 46-61.000.

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Duncan, Eathel Lee, to Goodyear Tire & Rubber Company, The. Tire with an upper sidewall protector. 3,811,488, 5-21-74, Cl. 152-209.00r.

Duncan, Edward C.; Levy, Ernest, Jr.; and Rowlette, John J., to Hughes Aircraft Company. Negative electrode with an insulated body of conductor material supported therein 3,793,078, 2-19-74, Cl. 136-24.000.

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Duncan, Eugene F., to Cutler-Hammer, Inc. Limit switch mechanism. 3,819,888, 6-25-74, Cl. 200-47.000.

Duncan, Farris N.: *See—*
Bamburg, Robert A.; Duncan, Farris N.; and Floyd, Roger M., 3,791,562.
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Duncan, Frederick James; and Chappell, Ronald George, to Imperial Chemical Industries Limited. Cementing compositions and concretes and mortars derived therefrom. 3,850,651, 11-26-74, Cl. 106-90.000.

Duncan, Ira J.: *See—*
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Duncan, James C., to Diebold, Incorporated. Pneumatic tube coupling. 3,822,075, 7-2-74, Cl. 285-367.000.

Duncan, James Ritchie; and Hannaford, Colin Donald, to Ferranti Limited. Microwave limiter having variable capacitance diode in tuned cavity. 3,836,875, 9-17-74, Cl. 333-17.000.

Duncan, Jeffrey B.: *See—*
Duston, David K.; and Duncan, Jeffrey B., 3,806,829.

Duncan, John Julian: *See—*
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Duncan, John L.; and Duthie, Fredrick W., to Singer Company, The. Assembly of externally accessible brushes. 3,849,684, 11-19-74, Cl. 310-242.000.

Duncan, Larry K., to Grace, W. R., & Co. Process for separating cerium concentrate from ores. 3,812,233, 5-21-74, Cl. 423-21.000.

Duncan, Leon L. Method of producing reflective surfaces and article. 3,787,191, 1-22-74, Cl. 29-191.000.

Duncan, Lloyd P.; and Oberg, Nathan, to Zero Manufacturing Company. Automatic milker release. 3,837,318, 9-24-74, Cl. 119-14.080.

Duncan, Robert; and Cellier, Francis, to Westinghouse Electric Corporation. Nuclear reactor fuel rod splitter. 3,831,248, 8-27-74, Cl. 29-200.00d.

Duncan, Robert Campbell: *See*—
Miller, Richard Chilton; and Duncan, Robert Campbell, 3,807,402.

Duncan, Robert Campbell; and Kokx, Darrel Dayfield, to Procter & Gamble Company, The. Hydro-dissociative agglomerate tampon. 3,812,856, 5-28-74, Cl. 128-285.000.

Duncan, Robert J., to USM Corporation. Instantaneous rationing means. 3,843,099, 10-22-74, Cl. 259-23.000.

Duncan, Theodore. Wig cleaning device. 3,828,588, 8-13-74, Cl. 68-5.00c.

Duncan, Vernon Robert: *See*—
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Duncan, William D.; and Duncan, Carolyn L., to Duncan Creations, Inc. Meat cutting and slicing method and apparatus. 3,816,875, 6-18-74, Cl. 17-52.000.

Duncan, William Lankford; and Heitz, Ronald George, to Du Pont de Nemours, E. I., and Company. Measuring length and velocity of single staple fibers within an airflow. 3,816,001, 6-11-74, Cl. 356-167.000.

Duncanlite Laboratory, Inc.: *See*—
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Duncanson, Robert H., to Faberge, Incorporated. Method and apparatus for detecting leaks in containers. 3,852,995, 12-10-74, Cl. 73-40.000.

Duncanson, William T.; and Kennedy, James C., Jr., to Caterpillar Tractor Company. Nois-suppressing control lever for vibration prone mechanisms. 3,800,909, 4-2-74, Cl. 181-33.00a.

Dunder, David; and Wiley, Sheldon, to Trans World Products, Inc. Drive transmission for a bicycle or the like. 3,831,978, 8-27-74, Cl. 280-238.000.

Dundon, John Peter; Kemme, Herbert Rudolph; and Scharf, Edward Jonathan, to American Cyanamid Company. Purification of beta-naphthol by steam distillation. 3,804,723, 4-16-74, Cl. 203-92.000.

Dundon, John Peter, to American Cyanamid Company. Purification of beta-naphthol by extractive crystallization. 3,848,001, 11-12-74, Cl. 260-62.00b.

Dundon, Thomas M.; and Hatton, Terence J., to Datatrol, Inc. Multiplexer system. 3,821,480, 6-28-74, Cl. 179-15.00a.

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Dunkelberger, David L., to Rohm & Haas Company. Process for preparing graftlinked heteropolymer film. 3,812,205, 5-21-74, Cl. 260-885.000.

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Dunkelmann, Guenter; and Dehnert, Johannes, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Azo dyes of the diamino pyrimidine series. 3,856,772, 12-24-74, Cl. 260-154.000.

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Dunkers, Karl Ragnar; and Johansson, Jarl Harald, to Johnson Construction Company. Sewage flocculating and sedimentation tank unit. 3,822,788, 7-9-74, Cl. 210-200.000.

Dunkin, Albert, to Raybestos-Manhattan, Inc. Method and apparatus for cutting and inserting blanks from a rod. 3,800,348, 4-2-74, Cl. 10-11.00t.

Dunkin, Albert, to Diamondhead Corporation. Drive bracket connector for patient transfer apparatus. 3,829,915, 8-20-74, Cl. 5-81.00r.

Dunkin, Albert, to Diamondhead Corporation. Apparatus for transferring objects. 3,837,470, 9-24-74, Cl. 198-184.000.

Dunkleberger, La Rue Norman; and Shen, Lawrence Yun Lung, to Bell Telephone Laboratories, Incorporated. Ultrahigh vacuum sublimation pump. 3,811,794, 5-21-74, Cl. 417-49.000.

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Dunlap, Robert B.; and Balfour, Adrian E., to Compo Industries, Inc. Apparatus for making component parts of shoes and the like comprised of thermoplastic sheeting. 3,832,111, 8-27-74, Cl. 425-174.200.

Dunlavy, Alfred R. Hearing aid construction. 3,789,163, 1-29-74, Cl. 179-107.00s.

Dunlop, Andrew P.; Sherman, Edward; and Wuskell, Joseph P., to Quaker Oats Company, The. Process for the reduction of terephthalaldehyde to P-hydroxymethylbenzaldehyde. 3,845,138, 10-29-74, Cl. 260-600.000.

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Dunmyer, Joseph C., Jr.; and Godino, Rino L., to Foster Wheeler Corporation. Rotating disc contractor draw-off system. 3,811,844, 5-21-74, Cl. 23-270.500.

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Dunn, Elman R., to Litton Industries, Inc. Apparatus for surface grinding. 3,818,639, 6-25-74, Cl. 51-112.000.

Dunn, Elman R., to Litton Industries, Inc. Work carrier drive for double disc grinder with reversible drive and automatic stop means. 3,818,640, 6-25-74, Cl. 51-114.000.

Dunn, Elman R., to Litton Industries, Inc. Workpiece retainer assembly for disc grinders. 3,834,087, 9-10-74, Cl. 51-237.00t.

Dunn, Elman R., to Litton Industries, Inc. Double disc grinder. 3,846,940, 11-12-74, Cl. 51-118.000.

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Dunn, Garf L., to Zero Gage Company, mesne. Range-extension device for double-probe hole-location and concentricity gauge. 3,837,085, 9-24-74, Cl. 33-174.00q.

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Dunn, James G.; Cowan, John R.; and Russo, Anthony J., to International Telephone and Telegraph Corporation. Digital diversity combiner. 3,783,385, 1-1-74, Cl. 325-305.000.

Dunn, James H., to Ethyl Corporation. Catalytic compounds. 3,843,698, 10-22-74, Cl. 260-429.00r.

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Dunn, Ralph; Ayton, Ian F.; Cane, Albert; Collins, Harold B.; Lewis, J. Stephen; Morris, Joseph P.; and Shapero, Wallace H., to Mattel, Inc. Sewing machine toy. 3,834,974, 9-10-74, Cl. 156-578.000.

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Dunworth, Bruce E.; and Bakker, Wate T., to General Refractories Company. Concrete composition. 3,817,770, 6-18-74, Cl. 106-315.000.
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Dupouy, Marcel. Video signal generator. 3,830,974, 8-20-74, Cl. 178-7.30d.
Duprat, Jacques; and De Roissart, Henri, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Apparatus for conditioning lyophilised products. 3,789,515, 2-5-74, Cl. 34-92.000.
Dupre, Barry E., to North American Car Corporation. Bin type freight car. 3,823,674, 7-16-74, Cl. 105-366.00r.
Dupre, Herman K. Snow making apparatus and system. 3,822,825, 7-9-74, Cl. 239-14.000.
Dupre, John. Automatic saturation analysis. 3,788,812, 1-29-74, Cl. 23-230.00b.
Dupre, Paul: *See*—
Aries, Robert; Dechaumet, Armand; and Dupre, Paul, 3,814,061.
Dupree, Inc.: *See*—
Dupree, James N., 3,784,867.
Dupree, James N., to Dupree, Inc. Lamp. 3,784,867, 1-8-74, Cl. 313-318.000.
DuPree, Louis E., Jr.: *See*—
Applegath, Fred; DuPree, Louis E., Jr.; MacFarlane, Alistair C.; and Robinson, Jacques D., 3,848,012.
Duprey, Richard H.: *See*—
Benoit, Roland A.; and Duprey, Richard H., 3,797,050.
Benoit, Roland A.; and Duprey, Richard H., 3,818,518.
Benoit, Roland A.; and Duprey, Richard H., 3,839,753.
Benoit, Roland A.; and Duprey, Richard H., 3,840,911.
Benoit, Roland A.; and Duprey, Richard H., 3,845,511.
Duprez, Robert: *See*—
Stenstrom, Claude; Lambourg, Michel; and Duprez, Robert, 3,796,991.
DuPuis, Emanuel F. Folding two-level table, bench or the like. 3,783,799, 1-8-74, Cl. 108-19.000.
Dupuis, Weldon V.: *See*—
Duke, Douglas Roy; and Dupuis, Weldon V., 3,798,922.
Dupuy, Gerard: *See*—
Devin, Bernard; Dupuy, Gerard; and Schwartz, Jean-Pierre, 3,840,431.
Dupuy, Jean-Marie: *See*—
DeMendez, Michel Ossona; Dupuy, Jean-Marie; Harreton, Roland; and Foucard, Albert, 3,829,221.
Duquesne, Victor. Device for fitting and removing of tire which equip the wheels of motor vehicles. 3,791,434, 2-12-74, Cl. 157-1.240.
Duquesne, Victor, to Coulter Electronics, Inc. Device for detaching tire beads from a wheel rim. 3,856,071, 12-24-74, Cl. 157-1.260.
Duquette, William L. Access closure for an air inflated structure. 3,828,490, 8-13-74, Cl. 52-2.000.
Duquette, William L. Air supported metal roof and method of raising and lowering. 3,842,550, 10-22-74, Cl. 52-2.000.
Dur, Herbert, to Konrad Doppelmayr & Sohn, Firma. Device for connecting a sporting device, transport device or the like to the towrope of a tow lift. 3,837,290, 9-24-74, Cl. 104-193.000.
Dura Corporation: *See*—
Droske, Donald J., 3,789,690.
Kalitta, Carl L., 3,790,200.
Kalitta, Carl L., 3,851,909.
Proefrock, Paul R., 3,791,740.
Dura-Plex Industries, Inc.: *See*—
Elmore, Richard R.; and Couch, Benjamin M., 3,846,524.
Durable International, Inc.: *See*—
Solomon, Alvin I., 3,823,497.
Duraframe Systems Pty., Ltd., mesnē: *See*—
Satchell, Eric William, 3,785,108.
Duralac Chemical Corporation: *See*—
Leister, Edwin S.; Kovach, George F.; and Robinson, William M. (said Leister and said Kovach assors. to), 3,810,252.
Durametallic Corporation: *See*—
Hershey, Lowell E., 3,807,742.
Hummer, Herbert B., 3,836,157.
Duran, Ondrej; and Radic, Rudolf, to Vyskumny ustav mechanizacie a automatizacie. Multioperation machine with circular movement. 3,815,402, 6-11-74, Cl. 72-404.000.
Durand, Francois. Worm reduction gearing drive. 3,851,539, 12-3-74, Cl. 74-425.000.
Durand, Jacques Henri Emile: *See*—
Deschamps, Jacques Desire; and Durand, Jacques Henri Emile, 3,793,506.
Durand, Jean-Pierre; and Dawans, Francois, to Institut Francais du Petrole, des Carburants et Lubrifiants. Liquid copolymers of 1,3-butadiene and 1-monolefins, their preparation and uses. 3,810,952, 5-14-74, Cl. 260-677.00r.
Durand, Jean-Pierre; Fabre, Claude; and Osgan, Maseh, to Gerdec. Polymerization of vinyl chloride monomer in the presence of siliceous fillers. 3,855,162, 12-17-74, Cl. 260-17.4st.
Durand Machine Company, Ltd.: *See*—
Hards, John E., 3,808,925.
Durand, Pierre, to Richier. Tower cranes. 3,851,767, 12-3-74, Cl. 212-48.000.
Duranleau, Roger G.: *See*—
Kablaoui, Mahmoud S.; Love, Richard F.; and Duranleau, Roger G., 3,816,404.
Duranleau, Roger G.; Kablaoui, Mahmoud S.; and Love, Richard F., to Texaco Inc. Preparation of omega-nitroesters by thermal cleavage and reaction of cyclic alpha nitroketones with alcohols. 3,796,734, 3-12-74, Cl. 260-404.000.
Duranleau, Roger G.; Kablaoui, Mahmoud S.; and Love, Richard F., to Texaco Inc. Esters by thermal cleavage and reaction of alpha-nitroketones with alcohols. 3,796,735, 3-12-74, Cl. 260-410.600.
Duranleau, Roger G.; and Love, Richard F., to Texaco Inc. Preparation of lactams. 3,816,410, 6-11-74, Cl. 260-239.30a.
Durant, Graham John: *See*—
Black, James Whyte, Durant, Graham John; Emmett, John Colin; and Ganellin, Charon Robin, 3,818,097.

Durant, Graham John; Emmett, John Colin; Ganellin, Charon Robin; and White, George Raymond, to Smith Kline & French Laboratories Limited. Pharmaceutical compositions and methods of inhibiting histamine activity with thiourea derivatives. 3,808,336, 4-30-74 Cl. 424-273.000.
Durante, Anthony C.; and Macey, Frank G., to Chester Electronics Laboratories, Incorporated. Signal processing system for reading indicia over a wide depth of field. 3,792,235, 2-19-74, Cl. 235-61.11e.
Durasan, Gerard: *See*—
Daussan, Andre; Daussan, Jean Charles; and Durasan, Gerard, 3,785,609.
Durbin, Arland J. Automatic safety cutoff valve. 3,820,565, 6-28-74, Cl. 137-614.200.
Durbin, Enoch J. Fluid velocity meter. 3,831,445, 8-27-74, Cl. 73-194.00f.
Durbin, Jesse, Jr., and D'Aiuto, John Ralph, to Magnavox Company, The. Chroma tracking circuit. 3,821,789, 6-28-74, Cl. 358-27.000.
Durbin, Robert E.: *See*—
Roehrig, Paul G.; Pappas, Nicholas C.; and Durbin, Robert E., 3,851,071.
Durchholz, Richard Francis: *See*—
Patel, Jayantilal Mohanbhai; and Durchholz, Richard Francis, 3,823,241.
Durchkeimer, Walter: *See*—
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Durden Enterprises, Ltd.: *See*—
Durden, John G. III, 3,825,004.
Durden, John, and Sousa, Anthony A., to Union Carbide Corporation. 2-(2,6-Substituted-phenyl)-1,3-indandiones. 3,803,240, 4-9-74, Cl. 260-590.000.
Durden, John A., and Souse, Anthony A., to Union Carbide Corporation. 2-(Polysubstituted phenyl)-1,3-indandione compounds. 3,784,605, 1-8-74, Cl. 260-590.000.
Durden, John G. III, to Durden Enterprises, Ltd. Disposable electrosurgical cautery. 3,825,004, 7-23-74, Cl. 128-275.100.
Durecka, John; and Crosby, Philip S., to Tektronix, Inc. Means for reducing effects of differential cutoff. 3,836,811, 9-17-74, Cl. 315-12.000.
Duret, Jean, to Les Cables De Lyon. Electrical connection for aerated insulation coaxial cables. 3,854,003, 12-10-74, Cl. 174-88.00e.
Duret, Jean, to Societe Anonyme dite Vallourec (Usines a Tubes de Lorraine-Escaut et Vallourec Reunies). Joint for oil well drilling pipe. 3,854,760, 12-17-74, Cl. 285-334.000.
Durhack, Werner: *See*—
Schenk, Gerd; and Durhack, Werner, 3,785,874.
Durham, Henry B. Cable bender. 3,824,834, 7-23-74, Cl. 72-387.000.
Durham, John Anthony Douglas Bruce, to National Research Development Corporation. Optical surveying instrument. 3,819,280, 6-25-74, Cl. 356-249.000.
Durham, Marhsall P., Jr.: *See*—
Deaton, David W.; Brower, Stephen M.; and Durham, Marhsall P., Jr., 3,848,628.
Durham, Raymond F.: *See*—
Kuttruff, Gary W.; and Durham, Raymond F., 3,837,173.
Durna-Werk Karl Kempf KG: *See*—
Heck, Friedrich, 3,816,112.
Durichen, Horst, to Deutsche Vergaser Gesellschaft m.b.H. & Co., K.G. Speed regulator for an internal combustion engine. 3,809,034, 5-7-74, Cl. 123-102.000.
Durigan, Eugene S.: *See*—
Walton, Nelson R.; and Durigan, Eugene S., 3,831,960.
Durin, Michel, to Societe Anonyme Automobiles Citroen. Device for measuring liquid level and air pump for use therein. 3,834,236, 9-10-74, Cl. 73-302.000.
Durin, Michel, to Societe Anonyme Automobiles Citroen. Device and method for producing a coating, especially electrolytic on the walls of members exposed in service to frictional forces. 3,840,440, 10-8-74, Cl. 204-25.000.
Duriron Company, Inc., The: *See*—
Bowen, John C.; and Gunther, Rush B., 3,816,029.
Martin, Arlin E., 3,847,504.
Durkee, Gilbert H., Wareberg, Per G., and Yoder, Alan C., to Bowmar Instrument Corporation. Calculator keyboard switch with dise spring contact and printed circuit board. 3,796,843, 3-12-74, Cl. 200-5.00a.
Durkee, Jackson L., Beighley, Arthur F., and Dunlap, Donald E., deceased (by Dunlap, Mary E., administratrix), to Bethlehem Steel Corporation. Reel of alternately rotated parallel-wire strand and method of making. 3,855,777, 12-24-74, Cl. 57-156.000.
Durkee, Lyle H.: *See*—
Brezinski, Richard R.; and Durkee, Lyle H., 3,795,038.
Connell, Lehman J.; and Durkee, Lyle H., 3,827,710.
Durkee, Lyle H., and Cunningham, Gail M., to General Motors Corporation. Vehicle steering column installation. 3,792,626, 2-19-74, Cl. 74-492.000.
Durkee-Atwood Company: *See*—
Olson, Elmer I., 3,854,584.
Durkop, Hermann, to Forval-Verkaufsgesellschaft H. Durkop & Co. Tank for fuel oil or other liquids. 3,848,765, 11-19-74, Cl. 220-9.00a.
Durkoppwerke G.m.b.H.: *See*—
Nicolay, Karl, 3,814,037.
Nicolay, Karl, 3,820,481.
Durland, Douglas H.: *See*—
Gropper, Lee; Durland, Douglas H.; and Galasso, Maurice, 3,847,484.
Durling, Hubert R.: *See*—
Delorenzo, Joseph D.; Durling, Hubert R.; Rolfe, Norman F.; and Ross, Gerald F., 3,839,700.
Durmann, George J.: *See*—
Patrick, John, and Durmann, George J., 3,847,337.
Durning, Paul J.: *See*—
Robinson, Joel P., and Durning, Paul J., 3,849,993.
Duro-Dyne Corporation: *See*—
Hinden, Milton, and Giannone, Charles, 3,835,285.
Hinden, Milton, and Giannone, Charles, 3,858,024.
Duro-Test Corporation: *See*—
Kaufman, Rudolph, and Thouret, Wolfgang E., 3,790,998.
Koo, Ronald C., and Shurgan, Joel, 3,812,393.
Thouret, Wolfgang E., and Kaufman, Rudolph, 3,814,973.
Durocher, Gideon A., to Essex International, Inc. Pressure sensitive mat switch construction. 3,830,991, 8-20-74, Cl. 200-86.00r.
DuRocher, Gideon A., and McClure, Gerald L., to Essex International, Inc. Thermally sensitive electrical switch. 3,839,694, 10-1-74, Cl. 337-382.000.
Duromag Coatings Inc.: *See*—
McNeill, William, 3,791,942.
Duropenta Holdings (Proprietary) Limited: *See*—
Henfrey, Basil, 3,841,101.
Duroux, Jean. Processes and apparatus for the investigation of internal physiological phenomena based on measurements of the impedance variation of the surface of the body. 3,789,834, 2-5-74, Cl. 128-2.120.
Duroux, Jean, and Zahaczewski, Michel, to Compagnie d'Applications et de Diffusion de Techniques Nouvelles. Method for determining the electrical resistivity of the subsoil by electromagnetic surface waves and apparatus for subsoil prospecting by measuringelectromagnetic fields. 3,801,896, 4-2-74, Cl. 324-6.000.
Duroux, Jean. Method for the location, by surface waves, of a source of electromagnetic radiation and determination of the position of a place with respect to one or more sources. 3,855,596, 12-17-74, Cl. 343-112.00d.
Durox Equipment Company: *See*—
Smykal, Robert C., and Koryta, Leonard D., 3,796,507.
Durr, Dieter, to Ciba-Geigy AG. Urea compounds with selective herbicidal activity. 3,803,198, 4-9-74, Cl. 260-453.00r.
Durr, Heinz, to Durr, Otto. Apparatus for treating articles by immersion in dip tanks. 3,839,988, 10-8-74, Cl. 118-7.000.
Durr, Helmut: *See*—
Lermann, Peter; and Durr, Helmut, 3,810,204.
Durr, Helmut E., and Haller, Albert H., to Western Electric Company Incorporated. Apparatus for drying pulp-insulated wire. 3,829,985, 8-20-74, Cl. 34-154.000.
Durr, Manfred, to Polysius AG. Rotary furnace. 3,846,067, 11-5-74, Cl. 432-80.000.
Durr, Otto: *See*—
Durr, Heinz, 3,839,988.
Durr, Walter, to Becker, Hermann, K.G. Method and apparatus for testing a water for tightness. 3,802,251, 4-9-74, Cl. 73-49.300.
Durrant, Norman J. Reweaver's bench fixture. 3,799,487, 3-26-74, Cl. 248-441.000.
Durrant, Oliver W.; and Smith, John William, to Babcock & Wilcox Company, The. Control system for a two boiler, single turbine generator power producing unit. 3,837,167, 9-24-74, Cl. 60-664.000.
Durrell, William S., and Eckert, Robert J., Jr. Processes for the preparation of chloroiminophosgene. 3,801,483, 4-2-74, Cl. 204-157.10r.
Durrum Development Corporation: *See*—
Durrum, Emmett L.; Forge, Charles O.; Lee, Patrick L. Y., and Mackinnon, Kent L., 3,806,321.
Durrum, Emmett L., Forge, Charles O., Lee, Patrick L. Y., and Mackinnon, Kent L., to Durrum Development Corporation. Fluid sample analysis system. 3,806,321, 4-23-74, Cl. 23-253.00r.
Durrwachter, Eugen, Dr., DODUCO: *See*—
Durrwachter, Eugen Emil, Harmsen, Ulf, and Merl, Wilhelm, 3,785,810.
Durrwachter, Eugen Emil, Harmsen, Ulf, and Merl, Wilhelm, to Durrwachter, Eugen, Dr., DODUCO. Silver-metal oxide composite and method of manufacturing the same. 3,785,810, 1-15-74, Cl. 75-173.00a.
Dursch, Friedrich, to Squibb, E. R., & Sons, Inc. Methylacetoacetic ester enamine of D-2-(1,4-cyclohexadien-1-yl)glycine, sodium salt-dimethylformamide adduct. 3,784,562, 1-8-74, Cl. 260-468.00j.
Dursch, Friedrich; and Siewarga, Theodore Michael, to Squibb, E. R., & Sons, Inc. 7-(D-alpha-amino-1,4-cyclohexadien-1-

ylacetamido) desacetoxycephalosporanic acid dihydrate. 3,819,620, 625-74, Cl. 260-243.00c.
Dursch, Friedrich; and Siewarga, Theodore Michael, to Squibb, E. R., & Sons, Inc. Method for the purification of 7-aminode sacetoxycephalosporanic acid. 3,824,238, 7-16-74, Cl. 260-243.00c.
DURST A.G. Fabrik Fototechnischer Apparate: *See*—
Barbieri, Siegfried, 3,800,070.
Muehloegger, Leopold, 3,848,997.
Muhlogger, Leopold, 3,831,021.
Durst Corporation: *See*—
Fry, Denton E., 3,831,692.
Durst, Felix Ernst. Tamping machine for setting floor covering tiles. 3,784,314, 1-8-74, Cl. 404-117.000.
Durst, Fred L.; and Zastera, Rudolph J., to Pettibone Corporation. Billet grinder apparatus, particularly for contour grinding of pipe. 3,838,541, 10-1-74, Cl. 51-79.000.
Durst, Jack R.: *See*—
Katz, Morris H.; and Durst, Jack R., 3,833,741.
Rodgers, Nelson E.; and Durst, Jack R., 3,832,472.
Durst, Jack R.; and Winters, William C., to Pillsbury Company, The. Hydromilling of wheat. 3,788,861, 1-29-74, Cl. 426-385.000.
Durth, Wilfried: *See*—
Tropp, Karl; Durth, Wilfried; and Jakob, Heinrich, 3,827,346.
Durvasula, Srirama S., to Honeywell Information Systems, Inc. Selection apparatus for matrix array. 3,849,768, 11-19-74, Cl. 340-174.0tb.
Duryea, Charles S. Boat flanking rudder system. 3,828,713, 8-13-74, Cl. 114-163.000.
Dusch, Albert; and Hintzen, Peter, to Pfaff Industriemaschinen GmbH. Device for making braid openings in cutout pieces of garments. 3,847,097, 11-12-74, Cl. 112-68.000.
Duschatko, Robert W.: *See*—
Thompson, Robert R.; Duschatko, Robert W.; and Nash, Arthur J., 3,801,281.
Duschinsky, Robert, to Hoffmann-La Roche Inc. Purine nucleoside nitrates. 3,832,341, 8-27-74, Cl. 260-211.50r.
Dusek, Miloslav: *See*—
Rosberg, Frantisek; Linda, Josef; Buzga, Ondrej; Dusek, Miloslav; and Cvetler, Jiri, 3,808,749.
Dusevoir, Robert H. Discharge electrodes for electrostatic precipitators and method of shipment and installation. 3,819,985, 6-25-74, Cl. 317-3.000.
Dushane, Raymond N., Jr., to Columbia Manufacturing Corporation. Latch assembly. 3,827,738, 8-6-74, Cl. 292-128.000.
Dusheck, George J., Jr., to United States of America, Navy, mesne. Transitor detector. 3,805,170, 4-16-74, Cl. 328-114.000.
Duskin, Fred E.: *See*—
Crispin, Thayer S.; and Duskin, Fred E., 3,822,762.
Dussan V, Benicio I.: *See*—
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Dusseau, Andress: *See*—
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Kim, Sung Soo; and Dusseau, Andress, 3,789,852.
Dusseau, M. Walter: *See*—
Engel, F. William; Engel, Robert S.; Derbes, Gerald J.; and Dusseau, M. Walter, 3,824,472.
Dussourd, Jules L.; and Haugen, Ronald L., to Ingersoll-Rand Company. Gas drying apparatus and method. 3,834,136, 9-10-74, Cl. 55-33.000.
Dussy, Paul: *See*—
Seiler, Herbert; and Dussy, Paul, 3,843,624.
Dustikin Products, Inc.: *See*—
Scheuer, Fred F., 3,818,533.
Duston, David K.; and Duncan, Jeffrey B., to Systomation, Incorporated. Pulsed laser system having improved energy control with improved power supply laser emission energy sensor and adjustable repetition rate control features. 3,806,829, 4-23-74, Cl. 331-4-500.
Dusza, John Paul; Lindsay, Harry Lee; and Bernstein, Seymour, to American Cyanamid Company. Substituted carbazic acid. 3,852,334, 12-3-74, Cl. 260-471.00c.
Dusza, John Paul; Lindsay, Harry Lee; and Bernstein, Seymour, to American Cyanamid Company. Phenanthryl ethylidene carbazic acid esters. 3,855,276, 12-17-74, Cl. 260-471.00c.
Dusza, John Paul; Lindsay, Harry Lee; and Bernstein, Seymour, to American Cyanamid Company. Beta-naphthyl alkylidene carbazic acid esters. 3,856,838, 12-24-74, Cl. 260-471.00c.
Duthie, Fredrick W.: *See*—
Duncan, John L.; and Duthie, Fredrick W., 3,849,684.
Duthion, Louis; Coyotte, Claude Charles; Seguela, Claude Jean-Marie; Barthelemy, Gabriel; Cinquanta, Alain; and Drapeau, Yves, to Compagnie Francaise de Raffinage. Device for the generation of ultrasonics and their application to the preparation of emulsios. 3,809,372, 5-7-74, Cl. 259-4.000.
Dutilloeil, Jacques, to Ateliers de Constructions Electriques de Charleroi (ACEC). Thyristor initiating device for high voltage D.C. line. 3,852,618, 12-3-74, Cl. 307-252.00q.
Dutkewych, Oleh Borys; and Conlan, William A., Jr. Pre-etch treatment of acrylonitrile-butadiene-styrene resins for electroless plating. 3,795,622, 3-5-74, Cl. 252-79.100.
Dutko, George; Krueger, Robert F.; and Lesniak, Stanley J., to United States Steel Corporation. Rotating ladle car. 3,838,650, 10-1-74, Cl. 105-270.000.
Dutoit, Michel, to Allied Chemical Corporation. Acoustic devices using amorphous metal alloys. 3,838,365, 9-24-74, Cl. 333-30.00r.
Dutta, Dipak; and Wurker, Karl-Gerd, to Mannesmannrohren-Werke Aktiengesellschaft. Offshore terminal with underwater foundation. 3,800,547, 4-2-74, Cl. 61-46.000.
Duttarer, Ralph M.: *See*—
Jesswein, Ronald M.; Hushower, Richard R.; and Duttarer, Ralph M., 3,854,542.
Duttera, Robert B.: *See*—
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Dutton, David: *See*—
Large, John; Moss, James; and Dutton, David, 3,842,643.
Dutton, Edna M.: *See*—
McClellan, Alan J.; and Dutton, Harold R., 3,785,029.
Dutton, Glenn L., to Gulf Oil Corporation. Apparatus for mechanically gathering or collecting various commodities, refuse or the like. 3,796,331, 3-12-74, Cl. 214-146.500.
Dutton, Gordon Stanley, to Vacuumatic Limited. Apparatus for counting a stack of sheets. 3,838,255, 9-24-74, Cl. 235-92.0sb.
Dutton, Harold R.: *See*—
McClellan, Alan J.; and Dutton, Harold R., 3,785,029.
Dutton, Hayward H., trustee of the Hilda Trusts 1-9, inclusive: *See*—
De Lyria, Karl G., 3,852,718.
Dutz, Hubert: *See*—
Mulfinger, Hans-Otto; Dutz, Hubert; and Krolla, Hans-Georg, 3,801,356.
Duval, Bruce, to T. P. I. Limited. Training devices. 3,783,530, 1-8-74, Cl. 35-11.000.
Duval Corporation: *See*—
Atwood, George E.; and Curtis, Charles H., 3,785,944.
Duval, Henri Joseph. Illuminated shoe. 3,800,133, 3-26-74, Cl. 240-6.40w.
Duval, Leonard A. Apparatus for dredging divided solids submerged in liquid. 3,800,949, 4-2-74, Cl. 210-171.000.
Duval, Leonard A. Method and apparatus for processing waste water slimes of steel mill water treatment systems. 3,844,943, 10-29-74, Cl. 210-67.000.
Duval, Mark, to Sanitank Inc. Video photo recording device for the inspection of the interior of pipes. 3,832,724, 8-27-74, Cl. 354-63.000.
Duval, Saunier: *See*—
Charron, Jean-Claude; and Sagnard, Francois, 3,815,813.
Duvall, Calvin David. Baseball game having variable batting means. 3,854,720, 12-17-74, Cl. 273-89.000.
DuVall, Dale Rodney: *See*—
Borowski, Chester Joseph, Jr.; and DuVall, Dale Rodney, 3,784,981.
Duvall, Kenneth M.; and Miller, Gerald K., to GTE Sylvania Incorporated. Intrusion detection and locating system. 3,836,899, 9-17-74, Cl. 340-261.000.
Duvall, Leroy F.; and Stone, Charles D., to Quaker Oats Company, The. Method of vitamin coating cereal products. 3,782,963, 1-1-74, Cl. 426-303.000.
Duvall, Paul F.; Humphrey, W. Donald; Timberlake, Thomas E.; and Foral, Ralph F., to Brunswick Corporation. Cyclic pressure vessel. 3,815,773, 6-11-74, Cl. 220-3.000.
Duvall, Roanld Nash; Gold. Gerald; Hurtle, Richard La Verne; and Palermo, Blasey Thomas, to Duvall, Ronald Nash. Apparatus for particle size analysis. 3,819,269, 6-25-74, Cl. 356-36.000.
Duvall, Ronald Nash: *See*—
Duvall, Roanld Nash; Gold, Gerald; Hurtle, Richard La Verne; and Palermo, Blasey Thomas, 3,819,269.
Duwel, Dieter: *See*—
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Schorr, Manfred; and Duwel, Dieter, 3,784,633.
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Duxbury, Frederick Keith: *See*—
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Duxbury, Jean: *See*—
Oldham, Joseph; and Duxbury, Frederick Keith, 3,855,350.
Duynstee, Eduard F. J.; and Mevis, Maria E. H. A., to Stamicarbon N.V. Process for the preparation of hydroperoxide derivatives of polymers. 3,846,266, 11-5-74, Cl. 204-159.200.
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Ealding, Cyril John, to Imperial Chemical Industries Limited. Foamed polyolefins. 3,839,238, 10-1-74, Cl. 260-2.50e.
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Eannarino, Joseph M.; Granieri, Michael S., Jr.; and Michaelson, Henry W. Child-safe pill dispenser. 3,788,517, 1-29-74, Cl. 221-154.000.
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Eanzel, Albert Robert, to Du Pont de Nemours E. I., and Company. Textile cleaning process for simultaneous dry cleaning and finishing with stain repellent. 3,854,871, 12-17-74, Cl. 8-142.000.
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Earl, Roscoe T.; and Waldt, Leonard M., to Baxter Laboratories, Inc. Meat tenderization method. 3,798,334, 3-19-74, Cl. 426-58.000.
Earl, T. Desmond, to Textron, Inc. Air cushion type undercarriage. 3,790,110, 2-5-74, Cl. 244-110.00h.
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Earle, Roland D.; and Baum, Morton S. Ready-to-use batter product. 3,784,710, 1-8-74, Cl. 426-128.000.
Earley, James Valentine; Fryer, Rodney Ian; and Walser, Armin, to Hoffmann-La Roche Inc. 2-Lower alkylthio-1H-1,4-benzodiazepines. 3,836,521, 9-17-74, Cl. 260-239.0bd.
Earley, James Valentine; Fryer, Rodney Ian; and Walser, Armin, to Hoffmann-La Roche Inc. Process for preparing 1,4-benzodiazepines. 3,838,116, 9-24-74, Cl. 260-239.0bd.
Earley, Kenneth D. Stopcock for vacuum and hermetic usages. 3,807,691, 4-30-74, Cl. 251-309.000.
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Ebata, Hiroyuki. End stop for sliding clasp fasteners. 3,857,141, 12-31-74, Cl. 24-205.11f.

Ebauches Bettlach S.A.: *See*—
Bachmann, Peter, 3,827,235.
Bachmann, Peter, 3,844,108.
Bachmann, Peter, 3,852,954.

Ebauches S.A.: *See*—
Berthoud, Francois, 3,849,011.
Chappatte, Jean-Maurice, 3,807,167.
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Ebauches Tavannes S.A.: *See*—
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Ebbighausen, Henry M. Ventilator for engines of small boats. 3,796,180, 3-12-74, Cl. 114-211.000.

Ebbinga, Richard D.: *See*—
Bradford, Robert S.; Richardson, Harvey J.; Dubbe, Richard F.; and Ebbinga, Richard D., 3,825,675.

Ebbinghaus, Rainer: *See*—
Osthoff, Walter; Ebbinghaus, Rainer; and Hohensester, Otmar, 3,837,051.

Ebco Manufacturing Company: *See*—
Taylor, William, 3,811,294.

Ebdon, Ronald William. Continuous wipe-out clocks. 3,796,043, 3-12-74, Cl. 58-127.00r.

Ebdon, Ronald William, to Perry, E. S., Limited. Rocking pendulum. 3,808,793, 5-7-74, Cl. 58-130.00r.

Ebel, Lawrence C.: *See*—
Kothe, Erich W.; Ebel, Lawrence C.; and E'Ascoli, Ralph C., 3,812,283.

Ebeling, Dorothy J.: *See*—
Baumgardner, John D.; and Ebeling, Dorothy J., 3,809,461.
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Ebeling, Ernest C.: *See*—
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Ebeling, Harold O.; and Beets, Richard A., to Black, Sivalls & Bryson, Inc. Apparatus for heating fluids. 3,791,350, 2-12-74, Cl. 122-356.000.

Ebeling, Harold O.; and Smith, Russell D., to Black, Sivalls & Bryson, Inc. Waste gas incinerator. 3,837,813, 9-24-74, Cl. 23-277.00c.

Ebeling, Harold O.; and Smith, Russell D., to Black Sivalls & Bryson, Inc. Fuel burner apparatus. 3,846,066, 11-5-74, Cl. 431-351.000.

Ebeling, Joachim, to Suddeutsche Kalkstickstoff-Werke Aktiengesellschaft. Polyvinylidene fluoride coating for metals. 3,798,052, 3-19-74, Cl. 117-75.000.

Ebeling, Kari, to Oy Nokia Ab. Drying cylinder assembly. 3,802,093, 4-9-74, Cl. 34-124.000.

Ebenbichler, Hubert, to Swarovski, D., & Co. Light reflector construction for deterring game for crossing highways. 3,814,500, 6-4-74, Cl. 350-97.000.

Eber, David H., to Trane Company, The. Refrigaration machine with liquid refrigerant cooled motor. 3,805,547, 4-23-74, Cl. 62-505.000.

Eber, Nicolas; and Asher, Amram, to Sarlab Aktiengesellschaft. Method of and apparatus for defrosting absorption. 3,807,189, 4-30-74, Cl. 62-110.000.

Eber, Nicolas, to Aktiengesellschaft Electrolux. Absorption refrigeration apparatus. 3,808,834, 5-7-74, Cl. 62-490.000.

Eberhard, Elmer T.; and Meier, Henry G., to I-T-E Imperial Corporation. Elongated jaw contact for oil circuit breaker disconnect contact. 3,848,101, 11-12-74, Cl. 200-150.00r.

Eberhard, Frank A. Hydrotherapy bath tub. 3,788,306, 1-29-74, Cl. 128-66.000.

Eberhard, Heinz: *See*—
Csaposs, James; Eberhard, Heinz; and Menzer, Anton, 3,805,618.

Eberhard, Heinz; and Menzer, Anton, to Springfield Instrument Company. Barometer capsule and method of manufacture. 3,805,368, 4-23-74, Cl. 29-454.000.

Eberhard, Patrick; Hammacher, Konrad; and Mindl, Wolfgang, to Hoffmann-La Roche Inc. Electrochemical electrode with heating means. 3,795,239, 3-5-74, Cl. 128-2.00e.

Eberhard, Peter. Cut-away model for dental prosthesis. 3,798,772, 3-26-74, Cl. 32-11.000.

Eberhardt, Edward H., to International Telephone and Telegraph Corporation. Log photodiode. 3,798,451, 3-19-74, Cl. 250-211.00r.

Eberhardt, Edward H., to International Telephone and Telegraph Corporation. Smoothing optical cathode ray tube. 3,814,979, 6-4-74, Cl. 315-11.000.

Eberhardt, George J.; and Kennedy, Gilbert; deceased (by Kennedy, Dorothy L.; executrix), to National Cash Register Company, The. Method of creating motion-free connection. 3,791,016, 2-12-74, Cl. 29-432.000.

Eberhardt, H. Alfred. Centrifugal pump assembly. 3,801,224, 4-2-74, Cl. 417-62.000.

Eberhardt, Hans; and Reuter, Albert, to Boehringer Ingelheim G.m.b.H. Ultraviolet light-absorbing compositions comprising a 1-(phenyl or pyridyl)-3-pyridyl-1,3-propanedione. 3,816,611, 6-11-74, Cl. 424-59.000.

Eberhardt, Hans; and Schaefer, Hans, to Boehringer Ingelheim G.m.b.H. Dermatological compositions containing certain higher alkyl esters of 5-pyrrolidone-(2)-carboxylic acid. 3,836,665, 9-17-74, Cl. 424-274.000.

Eberhardt, Roland C.; and Whisenant, Joseph W. Dental irrigator. 3,820,532, 6-28-74, Cl. 128-66.000.

Eberhart, Wolfgang R. Method for forming integral internal channels in glass tubing. 3,837,830, 9-24-74, Cl. 65-54.000.

Eberl, James J.; Kelly, David J.; McConnell, Albert L.; Norton, Laurance E.; and Wade, Gordon E. Process for producing deep-drawable polystyrene foam sheets. 3,803,278, 4-9-74, Cl. 264-48.000.

Eberl, James Joseph; Thelen, Edmund; and Heller, Harold L., to Franklin Key, Inc. Calcium sulfate whisker fibers and the method for the manufacture thereof. 3,822,340, 7-2-74, Cl. 423-555.000.

Eberl, Karlheinz: *See*—
Hollweck, Walter; Schnee, Wilhelm; Eberl, Karlheinz; and Wagner, Kurt, 3,845,661.

Eberle, Fritz: *See*—
Koplow, Harold Stanley; Eberle, Fritz; Ho, Shu-Kuang; and Lesnick, Edward, 3,812,945.

Eberle, George F. Truss fabricating machine. 3,826,188, 7-30-74, Cl. 100-100.000.

Eberle, Herbert; Meyer, Wolfgang; and Haase, Johann, to Salzdetfurth AG. Electrolysis of magnesium chloride. 3,785,943, 1-15-74, Cl. 204-100.000.

Eberle, Herbert; Meyer, Wolfgang; and Bartling, Helmut, to Salzdetfurth AG. Active magnesium oxide. 3,800,032, 3-26-74, Cl. 423-636.000.

Eberle, Jeannine A.: *See*—
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; and Pourrias, Bernard M., 3,816,415.
Fauran, Claude P.; Raynaud, Guy M.; Eberle, Jeannine A.; Pourrias, Bernard M.; La Foret, Meudon; and Le Cloarec, Alberty Y., 3,845,046.
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; Pourrias, Bernard M.; and Bourgery, Guy B., 3,850,937.

Eberle, Marcel K., to Sandoz-Wander, Inc. 1-Phenylhexahydropyridazines. 3,818,008, 6-18-74, Cl. 260-250.00a.

Eberle, Marcel K.; and Houlihan, William J., to Sandoz-Wander, Inc. Fused bi- and tricyclic, di-, tri- and thiodiaza compounds. 3,830,802, 8-20-74, Cl. 260-239.30b.

Eberle, Marcel K., to Sandoz-Wander, Inc. 2,6-Disubstituted phenyl hydrazides. 3,840,600, 10-8-74, Cl. 260-562.00h.

Eberle, Otto Eugen. Centrifugal vacuum casting apparatus. 3,818,974, 6-25-74, Cl. 164-255.000.

Eberle Werke KG: *See*—
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Eberle, William C. Board game apparatus. 3,810,626, 5-14-74, Cl. 273-131.0ab.

Eberle, William J., to General Battery Corporation. Battery, components and methods of making and activating. 3,808,055, 4-30-74, Cl. 136-114.000.

Eberle, William J., to General Battery Corporation. Battery, components, and method of making. 3,841,915, 10-15-74, Cl. 136-134.00r.

Eberlein, Richard: *See*—
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Eberlein, Wolfgang: *See*—
Heider, Joachim; Eberlein, Wolfgang; and Kobinger, Walter, 3,783,149.
Heider, Joachim; Enberlein, Wolfgang; and Engelhardt, Gunther, 3,829,570.

Eberlein, Wolfgang; Nickl, Josef; Heider, Joachim; Dahms, Gerhard; and Kobinger, Walter, to Boehringer Ingelheim G.m.b.H. Cardiac-active pharmaceutical compositions containing a cardenolide glycoside. 3,803,310, 4-9-74, Cl. 424-182.000.

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Eberly, David H., Jr.; and Schwartz, Charles R., to United States Banknote Corporation. Method and apparatus for manufacturing mitts. 3,793,121, 2-19-74, Cl. 156-522.000.

Eberly, Paul E., Jr.; and Kimberlin, Charles N., Jr., to Esso Research and Engineering Company. Paraffin alkylation with olefin using highly active crystalline zeolite catalyst. 3,840,613, 10-8-74, Cl. 260-683.430.

Ebersberger, Johann, to Siemens Aktiengesellschaft. Self balancing rotary anode arrangement for X-ray tubes. 3,828,217, 8-6-74, Cl. 313-149.000.

Ebersman, Benjamin; Meehan, John V.; and Wilson, William T., to International Business Machines Corporation. Recirculating testing methods and apparatus. 3,805,152, 4-16-74, Cl. 324-73.00r.

Ebersole, D. Henry, to Koehring Company. Apparauts for producing variable amplitude vibratory force. 3,813,950, 6-4-74, Cl. 74-61.000.

Ebersole, John F., to Itek Corporation. Optical waveguide system for producing a line of modulated radiation data. 3,841,733, 10-15-74, Cl. 350-160.00r.

Ebersole, Theodore J.: *See*—
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Glatzel, Harmut; and Langen, Herbert, 3,828,755.
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Eberstein, Ralph: *See*—
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Ebert, Edith: *See*—
Baerlocher, Toni; and Ebert, Edith, 3,818,031.
Barlocher, Toni; and Ebert, Edith, 3,818,034.
Bosshard, Rene; Muller, Jean-Claude; and Ebert, Edith, 3,803,160.

Ebert, Edward A. Device for heating thermoplastic heating device. 3,816,705, 6-11-74, Cl. 219-521.000.

Ebert, Hans; Thummler, Ursus; and Werner, Hugo, to Knapsack Aktiengesellschaft. Process and apparatus for continuous work-up of phosphorus-containing residues. 3,830,039, 8-20-74, Cl. 55-5.000.

Ebert, John S.: *See*—
Koda, Nobuo J.; and Ebert, John S., 3,794,871.

Ebert, Jurgen: *See*—
Nusser, Hermann; Van Elden, Hendricus; and Ebert, Jurgen, 3,801,231.

Ebert, Lloyd A. Method of applying a removable cover to an electrical insulator bushing. 3,824,676, 7-23-74, Cl. 29-450.000.

Ebert, Michael: *See*—
Reick, Franklin G., 3,799,832.

Ebert, Robert J. Shoe polishing machine. 3,787,918, 1-29-74, Cl. 15-31.000.

Ebert, Wayne A.: *See*—
Arndt, John H., Jr.; and Ebert, Wayne A., 3,798,153.

Ebey, Edward W., to International Harvester Company. Brake mounting. 3,820,638, 6-28-74, Cl. 188-206.00a.

Ebihara, Toshio: *See*—
Sato, Tadao; and Ebihara, Toshio, 3,783,311.

Ebine, Mitsuo: *See*—
Takagi, Atsushi; Miura, Mitsuo; Suzuki, Akio; Kukino, Yoshinori; Amagai, Kiyoshi; Shimizu, Haruji; Satoh, Mitsutoshi; Kohno, Shoji; and Ebine, Mitsuo, 3,848,685.

Ebine, Tohsiyuki: *See*—
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Ebing, Walter: *See*—
Frey, Gunter; Hoflacher, Arthur Nikolaus; and Ebing, Walter, 3,828,529.

Ebisch, Martin, to Siemens Aktiengesellschaft. Circuit for accurately controlling the amplitude of a transmitter. 3,828,270, 8-6-74, Cl. 330-130.000.

Eblen, Perry W. Gate opener. 3,828,475, 8-13-74, Cl. 49-394.000.

Ebner, Cuno; and Schuler, Max, to Fidelity Union Trust Company, Executive Trustee under Sandoz Trust of 5-4-55, mesne. Herbicidal composition and method employing pyridazone derivatives. 3,834,889, 9-10-74, Cl. 71-92.000.

Ebner, Edwin D., 20% to Lee, Raymond, Organization, Inc., The. Snow mold. 3,848,846, 11-19-74, Cl. 249-66.000.

Ebner, Heinrich; and Enenkel, Anton, to Frings, Heinrich, Firma. Device for aerating liquids. 3,813,086, 5-28-74, Cl. 261-93.000.

Ebner, Ludwig: *See*—
Duerr, Dieter; Albi, Hans; and Ebner, Ludwig, 3,803,134.
Duerr, Dieter; Aebi, Hans; and Ebner, Ludwig, 3,821,400.

Ebner, Peter. Recrystallizing annealing process for treating semifinished brass stock. 3,801,380, 4-2-74, Cl. 148-13.200.

Ebner, Theran L., to Houston Natural Gas Corporation. Data receiver. 3,820,075, 6-25-74, Cl. 340-172.500.

Ebneter, Markus, to Ferd. Ruesch Maschinenfabrik, Firma. Printing mechanism with overdrive for the printing cylinder and inking rollers. 3,824,925, 7-23-74, Cl. 101-212.000.

Ebnoether, Anton; and Rissi, Erwin, to Sandoz Ltd.; a/k/a Sandoz AG. 4-Benzoyl-4-hydroxy-3-phenyl-1-substituted piperidines. 3,793,334, 2-19-74, Cl. 260-293.730.

Ebnother, Anton; and Hasspacher, Klaus, to Sandoz Ltd. 3-Alkylamino-2-(3,4-dihydroxyphenyl)propanols and the salts thereof. 3,804,899, 4-16-74, Cl. 260-570.600.

Ebnother, Anton; and Rissi, Erwin, to Sandoz Ltd. Dihydro-3-[4-alkyl or cycloalkyl carbamoyl-oxy-1-(4-oxo-4-arylbutyl)-4-piperidyl]2-(3H)-furanones. 3,845,061, 10-29-74, Cl. 260-293.670.

Ebonex Corporation: *See*—
De Laney, George B.; and Shannon, Robert D., 3,837,874.

EBR Development Corporation, mesne: *See*—
Palmonka, Edward, 3,846,132.

Ebrecht, Dietrich Meyer, to U.S. Philips Corporation. Circuit arrangement for converting a bridge unbalance into a frequency variation. 3,845,385, 10-29-74, Cl. 324-65.00r.

EBSCO Industries, Inc.: *See*—
Gray, Jerry R., 3,795,379.

Eby, Clyde Richard, to Cincinnati Milacron Inc. Quick change guard for tool and cutter grinder. 3,811,233, 5-21-74, Cl. 51-269.000.

Eby, Roy T.: *See*—
Eubanks, Lloyd S.; Eby, Roy T.; Cruse, Carl M.; Epstein, Henry L.; Null, Harold R.; and Rosenberger, Frederick E., 3,845,121.

Eccettuato, Vittorio: *See*—
Saltini, Fabrizio; and Eccettuato, Vittorio, 3,849,634.

Eccleston, John R.; and Blomme, Kenneth E. Fence trim and vegetation barrier. 3,806,096, 4-23-74, Cl. 256-32.000.

Eccleston, Kenneth Thomas; and McCratinor, Peter Richard, to Foseco International Limited. Hot topping apparatus and method. 3,802,058, 4-9-74, Cl. 29-428.000.

Eccleston, Kenneth Thomas; and Frizzell, John George, to Foseco International Limited. Methods of and apparatus for loading automatic hot topping apparatus with hot topping slabs. 3,815,210, 6-11-74, Cl. 29-252.000.

Eccleston, Kenneth Thomas; and Fieldhouse, Roger, to Foseco International Limited. Expansible frame hot topping apparatus. 3,815,664, 6-11-74, Cl. 164-339.000.

Ecer, Gunes M.: *See*—
Mueller, Charles P.; and Ecer, Gunes M., 3,787,202.

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DeAntoni, Jacques; and Eche, Raymonde, 3,846,430.

Echelberger, Larry M.: *See*—
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Echerd, Beno E.: *See*—
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Echeverria, Federico S.: *See*—
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Echols, Bruce E.: *See*—
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Echols, Samuel T., Jr.: *See*—
Hautly, Harry B.; and Echols, Samuel T., Jr., 3,783,820.

Echterhoff, Heinrich: *See*—
Flockenhaus, Claus; Simonis, Wolfgang; Beck, Kurt-Gunther; and Echterhoff, Heinrich, 3,849,258.

Echterhoff, Heinrich, to Bergwerksverband GmbH. Coking oven. 3,792,769, 2-19-74, Cl. 202-267.000.

Eck, Walter, to Siemens-Electrogerate GmbH. Apparatus for removing waste material. 3,807,296, 4-30-74, Cl. 100-74.000.

Eckardt, J. C., AG: *See*—
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Bader, Horst, 3,789,884.

Eckart, Albert Edmund, Jr., to Sapolin Paints, Inc. Method for preparing windows for spray painting. 3,837,949, 9-24-74, Cl. 156-71.000.

Eckart, George R., to Woodhead, Daniel, Inc. Fused electric plug. 3,829,819, 8-13-74, Cl. 339-44.00r.

Eckart, Gregory Craig, to General Electric Company. System and apparatus for detecting ground faults on ungrounded, polyphase power distribution systems. 3,840,783, 10-8-74, Cl. 317-18.00d.

Eckdahl, Thomas H.: *See*—
Schilling, Paul K.; and Eckdahl, Thomas H., 3,811,560.

Eckdahl, Thomas H., to Plastics, Inc. Beverage cruet. 3,804,281, 4-16-74, Cl. 215-13.00r.

Eckdahl, Thomas H.; and Bateman, Robert F., to Plastics, Inc. Interlocking serving tray. 3,811,595, 5-21-74, Cl. 220-23.400.

Eckel, Alan. Batten assembly to hold enclosure sheets. 3,845,603, 11-5-74, Cl. 52-753.00j.

Eckel Industries, Inc.: *See*—
Kochis, August James, 3,797,165.

Eckel, Oliver C. Acoustical panel assembly and method of forming it. 3,816,225, 6-11-74, Cl. 161-43.000.

Eckel, Oliver C. Door body. 3,854,263, 12-17-74, Cl. 52-615.000.

Eckels, Robert E.: *See*—
Law, Richard D.; and Eckels, Robert E., 3,784,125.

Eckels, Robert E. Reversible sensitization of liquid explosives. 3,797,392, 3-19-74, Cl. 102-23.000.

Eckels, Robert E. Vehicle passenger crash protector. 3,814,459, 6-4-74, Cl. 280-150.00b.

Eckels, Robert E. Remote rock breaking method apparatus therefor. 3,847,080, 11-12-74, Cl. 102-27.00r.

Ecker, Frank A.: *See*—
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Ecker, Fred L. Apparatus for casting material using a collapsible structure. 3,857,540, 12-31-74, Cl. 249-48.000.

Ecker, George Franklin: *See*—
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Eckerbom, Gunnar C.; and Rehnberg, Karl T., to Aktiebolaget Tudor. Bi-polar electrode for lead acid type accumulator. 3,817,788, 6-18-74, Cl. 136-10.000.

Eckerdt, George H., to Korton Sciences Incorporated. Drum drive. 3,817,494, 6-18-74, Cl. 254-187.000.

Eckerle, Otto: *See*—
Eckerle, Otto; and Jung, Robert Hugo (said Jung assor. to said), 3,840,323.

Eckerle, Otto; and Jung, Robert Hugo, said Jung assor. to said Eckerle, Otto. Continuously adjustable controls for oil burners. 3,840,323, 10-8-74, Cl. 431-90.000.

Eckerman, Gunter; and Ludwig, Heinz-Georg, to Kiepe Electric AG. Drive system for an automatic road network with passively guided vehicles. 3,817,185, 6-18-74, Cl. 104-152.000.

Eckert & Ziegler GmbH: *See*—
Bielfeldt, Friedrich Bernd, 3,787,159.

Eckert, Alton B.: *See*—
Zucker, Fredric E.; Eckert, Alton B.; Hinman, Bruce E.; and Feinland, Seymour, 3,800,284.

Eckert, Alton B., Jr.: *See*—
McFiggins, Robert B.; and Eckert, Alton B., Jr., 3,792,446.

Eckert, Alton B., Jr.; and Steinmetz, John H., to Pitney-Bowes, Inc. Reading apparatus for optical bar codes. 3,849,632, 11-19-74, Cl. 235-61.11e.

Eckert, Edward R., to Burroughs Corporation. Graphical input board. 3,806,912, 4-23-74, Cl. 340-347.00r.

Eckert, Edwin Joseph, to Caterpillar Tractor Company. Toric seal, noncircular section. 3,826,506, 7-30-74, Cl. 277-92.000.

Eckert, Frank J.: *See*—
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Eckert, George W.: *See*—
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Eckert, Hans Werner; and Nikolaus, Peter, to Henkel & Cie GmbH. Oligopeptide derivatives and process for the preparation thereof using glycidyl esters of carboxylic acids to react with proteindiamine aminolyzates. 3,824,228, 7-16-74, Cl. 260-117.000.

Eckert, Hans-Werner; and Werner, Claus, to Henkel & Cie GmbH. Powdery softening rinsing agent compositions. 3,795,610, 3-5-74, Cl. 252-8.800.

Eckert, John P., Jr.; and Bucks, Robert M., to Sperry Rand Corporation. Four stage storage enhanced logic circuit. 3,836,792, 9-17-74, Cl. 307-300.000.

Eckert, John Presper, Jr.; Weiner, James R.; Shaw, Robert F.; and Weiss, Herbert Frazer, to Sperry Rand Corporation. Information handling system. 3,784,983, 1-8-74, Cl. 340-172.005.

Eckert, Konrad; and Knapp, Heinrich, to Bosch, Robert, G.m.b.H. Fuel injection apparatus for externally ignited internal combustion engines operating on continuously injected fuel. 3,791,359, 2-12-74, Cl. 123-119.00r.

Eckert, Konrad; and Knapp, Heinrich, to Bosch, Robert, G.m.b.H. Control device for a fuel injection system. 3,811,419, 5-21-74, Cl. 123-119.00r.

Eckert, Konrad, to Bosch, Robert, G.m.b.H. Fuel metering device for internal combustion engines. 3,841,613, 10-15-74, Cl. 261-36.00a.

Eckert, Konrad, to Bosch, Robert, GmbH. Fuel injection apparatus for externally ignited internal combustion engines operating on continuously injected fuel. 3,842,813, 10-22-74, Cl. 123-119.00r.

Eckert, Peter; Egli, Willi; and Osolin, Hans Georg, to Ciba-Geigy AG. Process for printing leather. 3,794,544, 2-26-74, Cl. 156-230.000.

Eckert, Robert D.; and Ploof, Arthur H., to Itek Corporation. Photographic physical developers comprising a water soluble salt of an alkenyl amine compound as as ionic surfactant and processes utilizing this developer. 3,808,002, 4-30-74, Cl. 96-48.0pd.

Eckert, Robert J., Jr.: *See*—
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Eckert, Robert John, Jr.; and Laran, Roy Joseph, to Ciba-Geigy Corporation. Process for the preparation of cyanogen chloride. 3,825,658, 7-23-74, Cl. 423-383.000.

Eckert, Terry T.: *See*—
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Eckert, William S.: *See*—
Nemec, Frank A.; Thayer, Stuart W.; Eckert, William S.; Horn, Marion F.; and Dunn, Roland J., Jr., 3,830,177.

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Eco-Control, Inc.: *See*—
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Economou, George J. Adhesive tapes and bandages. 3,811,438, 5-21-74, Cl. 128-156.000.

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Economy Color Card Co. Inc.: *See*—
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Economy, James; and Storm, Roger S., to Carborundum Company, The. Incorporation of fillers in insoluble, infusible oxybenzoyl polymers. 3,849,362, 11-19-74, Cl. 260-33.20r.
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Edamura, Fred Y.; McKendry, Lennon H.; and Larsen, Eric R., to Dow Chemical Company, The. Substituted phenoxy-and phenylthio-acetates and derivatives thereof. 3,829,489, 8-13-74, Cl. 260-559.00b.
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Eddy, John W., to GTE Automatic Electric Laboratories Incorporated. Matrix-protecting supervisory arrangement for a communication switching system. 3,814,862, 6-4-74, Cl. 179-18.0ge.
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Eddy Match Company, Limited: *See*—
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Eddy, William R.; Richards, Frank P.; and Thompson, James K., to Phillips Petroleum Company. Method and apparatus for continuously forming contoured metal strips. 3,793,862, 2-26-74, Cl. 72-4.000.
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Edelman, Alfred E. Method and apparatus for tooth restoration. 3,831,281, 8-27-74, Cl. 32-2.000.
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Edenfield, Neal M. Horse saddle stirrup setter. 3,827,215, 8-6-74, Cl. 54-1.000.
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Edenhofer, Albrecht; and Spiegelberg, Hans, to Hoffmann-La Roche Inc. [3-(1-Piperazinyl)-2-hydroxy-propoxy] acetanilides. 3,822,266, 7-2-74, Cl. 260-268.00r.
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Edenhofer, Albrecht; and Spiegelberg, Hans, to Hoffmann-La Roche Inc. Amino-dibenzo (a,d) cyclohepta (1,4) dien-5-one compounds. 3,833,655, 9-3-74, Cl. 260-570.900.
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Edenhold, Bert Erik, to Johansson, C. E., AB. Coordinate measuring machine. 3,816,930, 6-18-74, Cl. 33-174.0ta.
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Eder, Josef; and Meierhofer, Karl, to Erma-Werke Waffen- und Maschinenfabrik GmbH. Locking means for bolt type firearms. 3,813,803, 6-4-74, Cl. 42-16.000.
Eder, Theodor, to Aspanger Kaolin- und Steinwerke Aktiengesellschaft. Process and apparatus for the least partly removing by gravity a particulate component from a liquid dispersion. 3,813,851, 6-4-74, Cl. 55-52.000.
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Eder, Ulrich; and Wiechert, Rudolf, to Schering Aktiengesellschaft. Novel bicycloalkane derivatives. 3,839,453, 10-1-74, Cl. 260-586.00r.
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Edgar, Lawrence E. Thread re-forming tool. 3,793,659, 2-26-74, Cl. 10-1.00b.
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Edgar, William D.; Sustarsic, John D.; and Konzler, Roymond C., to Koppers Company, Inc. Coke quenching car. 3,788,236, 1-29-74, Cl. 105-254.000.
Edgar, William D.; Sustarsic, John D.; and Kinzler, Raymond C., to Koppers Company, Inc. Coke discharging system. 3,846,252, 11-5-74, Cl. 202-262.000.
Edgcombe, Christopher John, to English Electric Valve Company, Limited. Klystrons. 3,852,636, 12-3-74, Cl. 315-5.540.
Edgcome Steel Company: *See*—
Hitchiner, Joseph A.; Brown, Lawrence H.; and Blodgett, Monte R., 3,841,064.
Edge, Billy J.; and Collins, Lloyd O. Spray shield for oil wells. 3,783,939, 1-8-74, Cl. 166-81.000.
Edge, Charles K.; and Kunkle, Gerald E., to PPG Industries, Inc. Manufacture of sheet glass by contiguous float process. 3,843,346, 10-22-74, Cl. 65-65.00a.
Edge, Gordon Malcolm: *See*—
Plows, Graham Stuart; and Edge, Gordon Malcolm, 3,821,488.
Edge, Harlan R. Time shaped control arrangement for electrical heaters and method. 3,854,033, 12-10-74, Cl. 219-483.000.
Edgecumbe, John, to Varian Associates. Variable magnification image tube. 3,801,849, 4-2-74, Cl. 313-102.000.
Edgeington, James N., Jr.; Lowrance, Edgar G., II; and Odell, Richard G., to IMS Corporation. Carton structure. 3,782,621, 1-1-74, Cl. 229-23.00a.
Edgerton, Bradford W.: *See*—
Rigney, Edward T.; Edgerton, Bradford W.; and Benson, Richard A., 3,823,395.
Rigney, Edward T.; Benson, Richard A.; and Edgerton, Bradford W., 3,826,321.
Edgerton, Nelson W., to Amerace Esna Corporation. High voltage fuse enclosure. 3,818,407, 6-18-74, Cl. 337-199.000.
Edgerton, Philip; and Lodholz, John, to FMC Corporation. Sludge removal mechanism. 3,800,955, 4-2-74, Cl. 210-528.000.
Edgington, Donald C.; and Edgington, William E. Graphic arts film dryer. 3,800,434, 4-2-74, Cl. 34-155.000.
Edgington, Geoffrey: *See*—
Dean, Michael Gordon Ellis; Keen, John Raymond; and Edgington, Geoffrey, 3,838,281.
Edgington, William E.: *See*—
Edgington, Donald C.; and Edgington, William E., 3,800,434.
Edin, Ronald E., to GTE Sylvania Incorporated. Electrically operated steam heater. 3,783,236, 1-1-74, Cl. 219-381.000.
Edington, John Edward; and Warnock, Merville Lee, to Bell Telephone Laboratories, Incorporated. Coin operated telephone set employing electronic totalizer. 3,814,907, 6-4-74, Cl. 235-92.0cn.
Edison, David M.: *See*—
Sackin, Milton; and Edison, David M., 3,851,733.
Edison, David M., to Westinghouse Electric Corporation. Elevator system. 3,804,209, 4-16-74, Cl. 187-29.00r.
Edison, Lamonte: *See*—
Richards, Roy C.; Le Masters, Paul D.; Shearer, James E.; Edison, Lamonte; and Auzins, John, 3,838,672.
Edison, Lamonte R., to General Motors Corporation. Electronic fuel injection system. 3,824,969, 7-23-74, Cl. 123-32.0ea.
Edl, Wolfgang, to Peroxid-Chemie GmbH. Process for producing 3,5-dihydroxy 1,2-dioxolanes. 3,787,446, 1-22-74, Cl. 260-340.900.
Edlefsen, Thomas B. Racket with replaceable string frame. 3,843,121, 10-22-74, Cl. 273-73.001.
Edlich, William. Transmission. 3,810,401, 5-14-74, Cl. 74-691.000.
Edlund Company, Inc.: *See*—
Camp, Clarence W., 3,807,266.

Edmac Associates, Inc.: *See—*
Cupp, Frederick B.; and van Camp, Gary, 3,838,445.
Nupp, Raymond W., 3,845,402.

Edman, James Richard, to Du Pont de Nemours, E. I., and Company. Polyolefin capacitor construction. 3,806,775, 4-23-74, Cl. 317-258.000.

Edmisten, Walter C.: *See—*
Pappas, Peter G.; Edmisten, Walter C.; and Von Levern, Hobe Schroeder, 3,846,092.

Edmond, Marmound: *See—*
Florent, Brigliano; Ernest, Vogt; and Edmond, Marmound, 3,783,604.

Edmond, Tibor O.: *See—*
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Dahl, Hilbert D.; Haworth, Gordon R.; and Edmond, Tibor O., 3,853,186.
Haworth, Gordon R.; Edmond, Tibor O.; and Poundstone, William N., 3,823,787.

Edmond, Tibor O., to Continental Oil Company. Anchoring and pressuring apparatus for a drill. 3,827,512, 8-6-74, Cl. 175-94.000.

Edmonds, Harold D., to International Business Machines Corporation. Liquid crystal display assembly. 3,832,034, 8-27-74, Cl. 350-160.01c.

Edmonds, Harold Donald, to International Business Machines Corporation. Visual optimization of light emitting diodes. 3,806,777, 4-23-74, Cl. 317-235.00r.

Edmonds, James T., Jr.: *See—*
Oates, Alex N.; and Edmonds, James T., Jr., 3,819,407.
Tieszen, Dale O.; and Edmonds, James T., Jr., 3,856,736.

Edmonds, Walter R. Real time holographic system. 3,843,260, 10-22-74, Cl. 356-109.000.

Edmondson, Gerald Keith: *See—*
Benisek, Ladislav; Winterbottom, Kenneth; Shaw, Trevor; and Edmondson, Gerald Keith, 3,813,220.

Edmonson, Fay R., to United States Steel Corporation. Discharge collector for fluid cooled roll. 3,789,882, 2-5-74, Cl. 137-802.000.

Edmonson, Russell B. Jet ejector device. 3,829,247, 8-13-74, Cl. 417-182.000.

Edmoundson, Floyd D.: *See—*
Underwood, Jereld L.; Edmoundson, Floyd D.; and Dolezal, Milton M., 3,828,674.

Edmunds, Edward, Jr.: *See—*
Lowenhaupt, Edward Harris, III; Edmunds, Edward, Jr.; and Eliasen, Richard Dean, 3,794,719.

Edmunds, Frank L. Method and apparatus for indicating time in terms of color. 3,854,279, 12-17-74, Cl. 58-50.00r.

Edmunds, George W.: *See—*
Hoppman, Kurt H.; and Edmunds, George W., 3,826,405.
Hoppmann, Kurt H.; Edmunds, George W.; and Schober, Horst A., 3,831,734.

Edmunds, John O., to General Motors Corporation. Lock up clutch control. 3,810,531, 5-14-74, Cl. 192-3.300.

Edmunds, Louis Henry, Jr.; and Braley, Silas A., to University of California, The Regents of the. Implantable bulb for inflation of surgical implements. 3,831,583, 8-27-74, Cl. 128-1.00r.

Edmundson, Robert J.: *See—*
O'Neill, John J.; Komor, Joseph A.; Babcock, Thomas E.; Edmundson, Robert J.; and Shay, Edward G., 3,793,214.

Edmunson, Tillson H. Cut control attachment for chain saws. 3,845,556, 11-5-74, Cl. 30-381.000.

EDN Corporation: *See—*
Miller, Alan R., 3,821,058.

Edney, Carl: *See—*
Ganskopp, William F.; and Edney, Carl, 3,815,699.

Edo Corporation: *See—*
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Edo-Aire; a division of Edo Corporation: *See—*
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Edo-Aire Mitchell Industries, Inc.: *See—*
Younkin, James R.; and Nixon, John M., 3,783,277.
Younkin, James R., 3,849,896.

Edouart, Robert F. Adjustable length endless transmission belt. 3,857,294, 12-31-74, Cl. 74-231.00j.

EDP-ECC Corporation: *See—*
Fryer, George L., Jr.; and Gibson, Herman B., Jr., 3,832,790.

Edson, David D., to Raytheon Company. Directional transducer system. 3,839,683, 10-1-74, Cl. 330-30.00r.

Edson, Gwynne I.; and Reynolds, Keith R., to GTE Sylvania Incorporated. Gold alloy plating process and solution. 3,809,628, 5-7-74, Cl. 204-43.00g.

Edson, William A., to Stanford Research Institute. Short pulse generator. 3,798,461, 3-19-74, Cl. 307-106.000.

Edstrom, Carl M.: *See—*
Snodgrass, Robert H.; Carter, James R.; and Edstrom, Carl M., 3,789,497.

Edstrom, Gene H.; Lutter, Edward P.; and Robinson, Francis L., to International Business Machines Corporation. Controlling peripheral subsystems. 3,798,613, 3-19-74, Cl. 340-172.500.

Edstrom, Gene H., to International Business Machines Corporation. Concurrent subsystem diagnostics and I/O controller. 3,806,878, 4-23-74, Cl. 340-172.500.

Edstrom, Nils Herbert; Lindqvist, Stig Gustaf Wilhelm; and Sparrendahl, Gunnar Erik William, to Telefonaktiebolaget LM Ericsson. Device for production of switching order information for transmission of PCM words. 3,818,142, 6-18-74, Cl. 179-15.0at.

Edstrom, Nils Herbert, to Telefonaktiebolaget LM Ericsson. Apparatus and method for increasing the transmission capacity of a time division synchronous satellite telecommunication system. 3,848,093, 11-12-74, Cl. 179-15.0as.

Edstrom, Soren E. H., to Gardner-Denver Company. Rotor profiles for helical screw rotor machines. 3,787,154, 1-22-74, Cl. 418-201.000.

Educational Electronics, Inc.: *See—*
Goodin, James J.; and Dowling, Matthew M., 3,829,624.

Educational Toys Inc.: *See—*
Tepper, Sidney; and Fauls, Thomas J., 3,786,577.

Edus, Gilbert: *See—*
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Edvardsen, Bjorn Erik: *See—*
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Edward Williams Heldings, Limited: *See—*
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Edwards, Alan Harold: *See—*
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Edwards, Albert, to Baker Perkins Limited. Apparatus for preparing foundry molds or cores from cold quick setting sand/binder/catalyst. 3,822,737, 7-9-74, Cl. 164-158.000.

Edwards, Albert, to Baker Perkins Limited. Method and apparatus for the preparation of foundry moulds or cores. 3,834,442, 9-10-74, Cl. 164-21.000.

Edwards, Alfred Gerald: *See—*
Harris, Glyn Islwyn; and Edwards, Alfred Gerald, 3,787,350.

Edwards, Alfred Gerald, to Albright & Wilson Limited. Curable aralkylene/phenol resins and the process of curing said resins using salicylic acid. 3,838,103, 9-24-74, Cl. 260-52.000.

Edwards, Allen, Inc.: *See—*
Webb, Brian C., 3,797,260.

Edwards, Alun, to Neill, James Holdings Limited. Permanent magnet devices. 3,818,399, 6-18-74, Cl. 335-295.000.

Edwards, Arnold Glen; and Jenkins, Charles J., to Halliburton Company. Pressure responsive auxiliary disc valve and the like for well cleaning, testing and other operations. 3,831,680, 8-27-74, Cl. 166-311.000.

Edwards, Arrie Wood: *See—*
Edwards, George Wheeler; and Edwards, Arrie Wood, 3,833,738.

Edwards, Bryant, to Illinois Tool Works Inc. Stackable container. 3,784,052, 1-8-74, Cl. 220-97.00c.

Edwards, Bryant, to Illinois Tool Works Inc. Disposable nurser. 3,800,843, 4-2-74, Cl. 150-.500.

Edwards, Bryant, to Illinois Tool Works Inc. Continuous Motion container molding method. 3,816,585, 6-11-74, Cl. 264-297.000.

Edwards, Bryant, to Illinois Tool Works, Inc. Sanitary container and lid construction. 3,817,417, 6-18-74, Cl. 215-232.000.

Edwards, Bryant, to Illinois Tool Works Inc. Injection mold for producing open-mouthed thin-walled containers having means to prevent radial deflection of the male mold part. 3,820,931, 6-28-74, Cl. 425-242.00r.

Edwards, Bryant, to Illinois Tool Works Inc. Injection molding process. 3,829,548, 8-13-74, Cl. 264-328.000.

Edwards, Charles R.: *See—*
Roll, Ronald G.; Edwards, Charles R.; Moore, Robert C.; Wagner, George D.; and Burek, Ronald K., 3,858,217.

Edwards, Christopher John, to Thomas de la Rue International Limited. Materials adapted to exhibit varying visual appearances. 3,853,675, 12-10-74, Cl. 161-3.000.

Edwards, Christopher S., to British Aircraft Corporation Limited. Aligning equipment in ships and other structures. 3,851,399, 12-3-74, Cl. 33-228.000.

Edwards, Clarence K.; and Edwards, Lawrence D. Model railway coupler systems adapted for magnetic uncoupling. 3,840,127, 10-8-74, Cl. 213-75.0tc.

Edwards Company, Inc.: *See—*
Nuss, Robert F., Jr., 3,796,994.

Edwards, Coy W.; and Laborde, Enos J., Jr., to CRC-Crose International Inc., mesne. Method for internally welding pipe joints. 3,858,026, 12-31-74, Cl. 219-137.000.

Edwards, Cyril H. Animal toilet. 3,835,812, 9-17-74, Cl. 119-1.000.

Edwards, Daniel W. Handlebar safety shield. 3,832,912, 9-3-74, Cl. 74-551.800.

Edwards, Derek Reginald, to British Insulated Callender's Cables Limited. Method of making an electric power cable. 3,844,860, 10-29-74, Cl. 156-53.000.

Edwards, Donald K.: *See—*
Eninger, James E.; Fleischman, George L.; and Edwards, Donald K., 3,844,342.

Edwards, Donald W.: *See—*
Griffith, George L.; and Edwards, Donald W., 3,835,782.
Runge, Wallace F.; and Edwards, Donald W., 3,798,092.

Edwards, Edward M., to Owens-Illinois, Inc. Closure for bottles and jars. 3,854,617, 12-17-74, Cl. 215-304.000.

Edwards, Elizabeth G. Apparatus for removing grease from pot liquids. 3,846,320, 11-5-74, Cl. 210-471.000.

Edwards, Emrys Ronald, to Westland Aircraft Limited. Aperture closure devices. 3,851,845, 12-3-74, Cl. 244-129.00d.

Edwards, Evan A., to Eastman Kodak Company. Cartridge stripping. 3,811,634, 5-21-74, Cl. 242-55.000.

Edwards, Franklin R., to Nylube Products Company. Auxiliary lighting system. 3,808,499, 4-30-74, Cl. 315-86.000.

Edwards, Gary S.: *See—*
Clifton, John R.; and Edwards, Gary S., 3,788,227.

Edwards, George Wheeler; and Edwards, Arrie Wood. Alfalfa extract process. 3,833,738, 9-3-74, Cl. 426-52.000.

Edwards, Gilbert D. Apparatus for attaching a bumper jack to a trailer frame. 3,802,664, 4-9-74, Cl. 254-134.000.

Edwards, Gordon J.: *See—*
Arff, Uwe F.; and Edwards, Gordon J., 3,840,991.

Edwards, Harrison F.; and Pannullo, Louis A., to Lewis Engineering Company, The. Electromagnetic motive device. 3,813,566, 5-28-74, Cl. 310-36.000.

Edwards, Hugh J. W., to Cable Covers Limited. Method of forming prestressed concrete. 3,833,706, 9-3-74, Cl. 264-228.000.

Edwards, Hugh J. W. Tendon anchorage assembly with threaded support member for concrete formwork. 3,844,697, 10-29-74, Cl. 425-111.000.

Edwards, Ivor Lloyd, to British Petroleum Company Limited, The. Molecular sieve process. 3,843,514, 10-22-74, Cl. 208-310.000.

Edwards, James D., to Scott & Fetzer Company, The. Plug-in timer assembly. 3,786,208, 1-15-74, Cl. 200-51.00r.

Edwards, James D., to Scott & Fetzer Company, The. Cam-operated timer switch assembly with improved flexible, printed circuit terminal connectors. 3,845,256, 10-29-74, Cl. 200-38.00r.

Edwards, James W.: *See—*
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Edwards, John: *See—*
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Edwards, John A.: *See—*
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Crabbe, Pierre; Edwards, John A.; and Fried, John H., 3,819,686.
Crabbe, Pierre; Edwards, John A.; and Fried, John H., 3,823,184.
Marx, Michael; and Edwards, John A., 3,828,034.

Edwards, John A., to Syntex (USA) Inc. 3-Thiazol-2'-oxy-aminopropanol cardiovascular agent. 3,850,945, 11-26-74, Cl. 260-302.00r.

Edwards, John A., to Syntex (U.S.A.) Inc., mesne. 3-Thiazol-5'-oxy-aminopropanol cardiovascular agents. 3,850,946, 11-26-74, Cl. 260-302.00r.

Edwards, John A., to Syntex (U.S.A.) Inc., mesne. 3-Thiazol-4'-oxy-aminopro-panol cardiovascular agents. 3,850,947, 11-26-74, Cl. 260-302.00r.

Edwards, John D. Cab or van vehicle air deflector. 3,797,879, 3-19-74, Cl. 296-1.00s.

Edwards, John W., to Hammond Corporation. Balancing means for a rotating speaker system. 3,797,606, 3-19-74, Cl. 181-27.00a.

Edwards, John W.; and Tull, Herbert G., III, to Hoerner Waldorf Corporation. Bag bale. 3,809,235, 5-7-74, Cl. 206-499.000.

Edwards, Jones Burnett. Lighter socket and screw threads mounting. 3,845,925, 11-5-74, Cl. 248-27.000.

Edwards, Joseph; and Whittle, John Edward, to International Nickel Company, Inc., The. Battery plates comprising a multiplicity of perforated metallic foil elements and a battery utilizing same. 3,785,867, 1-15-74, Cl. 136-6.00r.

Edwards, Joseph L.; Penland, William D.; and Warren, James B., to Square D Company. Calibratable pressure switch with adjustment means. 3,824,358, 7-16-74, Cl. 200-83.00s.

Edwards, Joseph R., Sr.; and Kloth, James Albert, to AMP Incorporated. Electrical connection having radial crimp and axial indentation. 3,800,584, 4-2-74, Cl. 72-410.000.

Edwards, Katherine S.: *See—*
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Cushman, Donald R.; Oberright, Edward A.; and Edwards, Roy T., 3,847,641.

Edwards, Kenneth F.; and Vogel, Ralph A., to Essex International, Inc. Rod handling apparatus. 3,811,610, 5-21-74, Cl. 226-171.000.

Edwards, Laroy H., to Chevron Research Company. Piperonyl ethers having juvenile hormone mimetic activity. 3,796,726, 3-12-74, Cl. 260-340.500.

Edwards, Lawrence A.: *See—*
Satz, Mark V.; Edwards, Lawrence A.; and Livsey, Thomas, 3,806,612.

Edwards, Lawrence D.: *See—*
Edwards, Clarence K.; and Edwards, Lawrence D., 3,840,127.

Edwards, Lindell N., to Universal Modular Structures, Inc. Grooved structural element. 3,821,868, 7-2-74, Cl. 52-241.000.

Edwards, Michael: *See—*
Brant, Malcolm Victor; and Edwards, Michael, 3,799,522.
Lumb, John B.; and Edwards, Michael, 3,842,031.

Edwards, Michael Frederick, to GKN Sankey Limited. Method of production of wheels and other articles by friction welding. 3,805,371, 4-23-74, Cl. 29-470.300.

Edwards, Miles Lowell. Fluid pump control system. 3,827,828, 8-6-74, Cl. 417-43.000.

Edwards, Monte R.: *See—*
Davies, Elmer S.; and Edwards, Monte R., 3,847,714.

Edwards, Morgan Llewellyn. Method and apparatus for breaking waves. 3,851,476, 12-3-74, Cl. 61-1.00r.

Edwards, Norman W.: *See—*
Jordan, Robert W.; Cornith, Roger L.; Edwards, Norman W.; and Preg, Stephen M., Jr., 3,793,145.

Edwards, Norman W.; Petro, Michael; Guilhem, Jacques; and Pierre, Jean, to Pittsburgh-Des Moines Steel Company. Tank for storing fluids on a ship or the like and tie down means therefor. 3,842,775, 10-22-74, Cl. 114-74.00r.

Edwards, Patrick J.: *See—*
Music, John D.; and Edwards, Patrick J., 3,853,169.

Edwards, Philip K., to Datavision, Inc. Method of synchronizing televicion compatible signal generating equipment to composite synchronization signals. 3,814,854, 6-4-74, Cl. 178-69.50n.

Edwards, Philip Neil, to Imperial Chemical Industries, Limited. Certain bis (pyridinium) quaternary salts. 3,786,058, 1-15-74, Cl. 260-294.80r.

Edwards, Philip Neil, to Imperial Chemical Industries Limited. Bisdiguanide salts. 3,818,076, 6-18-74, Cl. 260-501.110.

Edwards, Philip Neil, to Imperial Chemical Industries Limited. Antibacterial bis(imidazolium quaternary salts). 3,853,907, 12-10-74, Cl. 260-309.000.

Edwards, Ralph R. Tire chain carriers. 3,854,514, 12-17-74, Cl. 152-233.000.

Edwards, Rebecca M.: *See—*
Fitzgerald, Thomas; and Edwards, Rebecca M., 3,823,963.

Edwards, Reginald H., to Dunlop Limited. Pneumatic tires. 3,841,375, 10-15-74, Cl. 152-355.000.

Edwards, Reginald H., to Dunlop Limited. Tire and wheel assemblies. 3,857,429, 12-31-74, Cl. 152-379.000.

Edwards, Reginald Harold: *See—*
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Edwards, Reginald Harold; and Owens, Geoffrey Lloyd. Testing tires. 3,818,755, 6-25-74, Cl. 73-146.000.

Edwards, Reginald Harold; Coulter, Geoffrey Lionel; and Dodd, Alan Michael, to Dunlop Limited. Pneumatic tires. 3,850,217, 11-26-74, Cl. 152-330.0rf.

Edwards, Richard C., to Mosler Safe Company, The. Night depository line security. 3,801,960, 4-2-74, Cl. 340-151.00r.

Edwards, Richard R.: *See—*
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Edwards, Robert A. Race calling system. 3,795,907, 3-5-74, Cl. 340-323.000.

Edwards, Robert Andrew: *See—*
Cutler, John Frederick; Edwards, Robert Andrew; and Sarle, Charles Richard, 3,834,156.

Edwards, Robert E., to Raytheon Company. Microwave magnetron. 3,794,879, 2-26-74, Cl. 315-39.710.

Edwards, Robert S.: *See—*
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Edwards, Roy T.: *See—*
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Edwards, William Joseph; and Jack, James, to Bakelite Xylonite, Limited. Extrusion processes. 3,796,781, 3-12-74, Cl. 264-89.000.

Edwin, Allan I.: *See—*
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Edwin, Allan I.; Vlach, Thomas L.; and Bennett, Melvin T., to Interactive Systems, Inc. Tool wear detector. 3,841,149, 10-15-74, Cl. 73-71.400.

Edwin, John J.; and Lathem, Milton, to Chadbourn, Inc. Method and apparatus for producing textured yarn. 3,782,090, 1-1-74, Cl. 57-34.0hs.

Eeckhout, Roger V.: *See—*
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Eeghem, Jan Van: *See—*
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Eek, Lars Inge: *See—*
Londahl, Goran Stig; and Eek, Lars Inge, 3,835,764.

Eells, Paul K. Abrading and polishing wheels. 3,818,651, 6-25-74, Cl. 51-368.000.

Eells, Thomas M. Rotary internal combustion engine. 3,782,341, 1-1-74, Cl. 123-8.450.

Efanov, Valery Pavlovich; Komyak, Nikolai Ivanovich; Ljuttsau, Vsevolod Grigorievich; and Rabodzei, Nikolai Vasilievich. Method of X-ray diffraction topography of monocrystals and apparatus for effecting same. 3,833,810, 9-3-74, Cl. 250-273.000.

Eff, Christian A., to General Electric Company. Domestic solid waste incinerator. 3,788,243, 1-29-74, Cl. 110-8.00r.

Effer, Dennis, to Northern Electric Company Limited. Process for packaging light emitting devices. 3,820,237, 6-28-74, Cl. 29-588.000.

Efficiency Products Company: *See—*
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Effinger, David D.; Evans, Norol T.; and Estrick, Vaughn H., to Hughes Aircraft Company. Dynamic range control system. 3,786,506, 1-15-74, Cl. 343-7.00a.

Efimov, Alexandr Vasilievich: *See—*
Solonitsyn, Rem Alexandrovich; Vjukov, Ivan Elizarovich; Gorbachev, Leonid Alexeevich; Belonogov, Anatoly Mikhailovich; Vorobiev, Gennady Afanasievich; and Efimov, Alexandr Vasilievich, 3,834,982.

Efimov, Leonid Alexandrovich: *See—*
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Stekopytov, Alexei Alexeevich; Strekopytova, Tatyana Andreevna; Bogush, Lev Konstantinovich; Kuklin, Georgy Sergeevich; Super-Fainshtein, Naum Aronovich; and Severov, Viktor Sergeevich, 3,822,818.

Efimova, Tamara Ivanovna: *See—*
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Efka-Werke Fritz Kiehn GmbH: *See—*
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Messner, Rudolf; and Zilken, Hans-Joachim, 3,783,882.

Eftex-Texmato GmbH & Co.: *See—*
Feische, Josef, 3,840,913.

Efthymiou, Constantine, to St. John's University. Apparatus for gaseous environmental control of batch cultures of micro-organisms. 3,793,154, 2-19-74, Cl. 195-139.000.

Efthymiou, Constantine John. Preparation of feta cheese. 3,843,801, 10-22-74, Cl. 426-36.000.

EG & G, Inc.: *See—*
Aldrich, Wilbert H.; and Beaudette, Charles G., 3,830,966.
Beaudette, Charles G., 3,830,965.
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Egami, Katsusuke: *See—*
Endo, Tetsuhiko; Aoba, Toshio; Morishita, Shozo; Egami, Katsusuke; and Hagihara, Shingo, 3,820,730.

Egan, Clark J.: *See—*
Stangeland, Bruce E.; and Egan, Clark J., 3,852,207.
White, Robert J.; and Egan, Clark J., 3,808,122.

Egan, Clark J.; and White, Robert J., to Chevron Research Company. Hydrocoversion process. 3,833,499, 9-3-74, Cl. 208-111.000.

Egan, Cleon J., to Albany International Corporation. Woven papermaking drainage fabric having four shed weave pattern and weft threads of alternating diameter. 3,851,681, 12-3-74, Cl. 139-420.00r.

Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., to Environmental Data Corporation. Spectrometers. 3,819,945, 6-25-74, Cl. 250-373.000.

Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., to Environmental Data Corporation. Window assembly for use with a stack monitor. 3,836,237, 9-17-74, Cl. 350-319.000.

Egan, Dale W.; Holstrom, Geoffrey B.; and Lord, Harry C., to Environmental Data Corporation. Spectrometers. 3,837,744, 9-24-74, Cl. 356-93.000.

Egan, Daniel J., to Londat Aetz Fabric Co. Alkali soluble rayon textile material and process for producing same. 3,824,078, 7-16-74, Cl. 8-120.000.

Egan, Georgette S., to Hughes Aircraft Company. Working surface for radiant energy beam cutter. 3,811,554, 5-21-74, Cl. 198-131.000.

Egan, Georgette S., to Hughes Aircraft Company. Working surface for radiant energy beam cutter. 3,828,697, 8-13-74, Cl. 108-51.000.

Egan Machinery Company: *See—*
Donnell, Emerson B., Jr., 3,782,650.
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Egan, Richard R.: *See—*
MacDonald, Ira A.; Egan, Richard R.; and Lampson, Sidney B., 3,821,442.

Egan, Richard R.; Hughes, Graham K.; and Sigan, Jack W., to Ashland Oil, Inc. Mixtures of aliphatic amines and quaternary ammonium compounds thereof. 3,803,137, 4-9-74, Cl. 260-567.60m.

Egashira, Takeji: *See—*
Miyagawa, Kazuo; Sakakibara, Morihiko; Kadowaki, Kazuhiko; Ishikawa, Yasushi; and Egashira, Takeji, 3,808,437.

Egawa, Hideharu: *See—*
Idei, Gijun; Onoyama, Atsushi; Aihara, Mitsuo; Suzuki, Seigo; Egawa, Hideharu; and Yamaga, Eiichi, 3,788,058.

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Egbert, James: *See—*
Konkal, John; Egbert, James; and Richards, Robert W., 3,803,928.
Richards, Robert W.; and Egbert, James, 3,798,981.

Ege, Hans, to Underwriters Safety Device Co. Roll-apart terminal block assembly. 3,786,400, 1-15-74, Cl. 339-198.00p.

Ege, Hans, to Underwriters Safety Device Co. Switch. 3,805,206, 4-16-74, Cl. 337-9.000.

Ege, Hans. Fuse panel assembly for mounting varying size fuses. 3,851,224, 11-26-74, Cl. 317-116.000.

Egeberg, Lansing E., to United States of America, Navy. Motion compensating device for surface supported underwater structures. 3,807,334, 4-30-74, Cl. 114-34.00s.

Eger, Mathias. Collapsible tow bar. 3,817,558, 6-18-74, Cl. 280-491.00d.

Egerborg, Bo Malte Staffan; Gadefelt, Goran Robert; Magbjer, Gunnar Ingemar; and Spang, Kjell. Concrete structural member with high internal damping. 3,828,504, 8-13-74, Cl. 52-396.000.

Egerbork, Bo Malte S.; Gadefelt, Goran R.; Hagbjer, Gunnar Ingemar; and Spang, Kjett Knut I., to Akustikobyran AB. Vibrator damping of vehicle path. 3,790,078, 2-5-74, Cl. 238-2.000.

Egerer, William D.: *See—*
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Egerton, McKenny W., Jr., to Instrument Corporation of America. Electronic stencil cutter with cutting signal pulse width inversely proportional to the original intensity. 3,801,738, 4-2-74, Cl. 178-6.60b.

Eggen, Richard W.: *See—*
Parker, Joseph D.; Hergert, Richard E.; and Eggen, Richard W., 3,853,697.

Eggenberger, Markus A.: *See—*
Devlin, Charles L.; and Eggenberger, Markus A., 3,846,739.

Eggenberger, Markus A., to General Electric Company. High-pressure trip valve. 3,840,050, 10-8-74, Cl. 137-627.500.

Eggenberger, Ulrich; and Zehnder, Josef, to Gebrueder Buehler AG. Method for controlling operation of a press. 3,819,774, 6-25-74, Cl. 264-40.000.

Eggenfelden, Karl Tannert. Thread feeder for textile machines. 3,796,386, 3-12-74, Cl. 242-47.120.

Eggenschwyler, Eduard A., to Pulfer AG. Process and device for the survey alignment with a laser beam. 3,801,205, 4-2-74, Cl. 356-138.000.

Eggenspepger, Heinz; Franzen, Volker; and Stephan, Hans, to Ciba-Geigy Marienberg GmbH. 3,5-Diallayl-4-hydrorgbenzylmercapto (acetic acid ester) containing phosphites. 3,784,650, 1-8-74, Cl. 260-948.000.

Eggensperger, Heinz; Franzen, Volker; Diehl, Karl-Heinz; and Kloss, Wilfried, to Ciba-Geigy Corporation, mesne. Stabilizer for organic compounds. 3,830,828, 8-20-74, Cl. 260-473.00s.

Eggensperger, Heinz; Franzen, Volker; Muller, Horst; and Stephan, Hans, to Ciba-Geigy AG. Organic compositions stabilized with phenolic thiocarboxylic acid esters. 3,832,328, 8-27-74, Cl. 260-45.85b.

Eggensperger, Heinz; Franzen, Volker; and Stephan, Hans, to Ciba-Geigy AG, mesne. Reaction products of phenol derivatives with phosphorous compounds as stabilizers for polymers. 3,838,100, 9-24-74, Cl. 260-45.95c.

Eggensperger, Heinz; Franzen, Volker; Diehl, Karl-Heinz; and Kloss, Wilfred, to Ciba-Geigy Marienberg GmbH. Process for preparing bis-(4-hydroxy-3,5-dialkyl-benzyl) carboxylic acid esters. 3,856,846, 12-24-74, Cl. 260-465.00d.

Egger, Carl T.; and Olson, Robert E., to Grain Processing Corporation. Recovery of protein. 3,849,391, 11-19-74, Cl. 260-123.500.

Egger, Hans. Method for rendering refuse deposits, industrial waste and the like, harmless. 3,782,299, 1-1-74, Cl. 110-7.00r.

Egger, Hermann. Method and apparatus for the sterile packaging of substances. 3,789,569, 2-5-74, Cl. 53-28.000.

Egger, Michael E.: *See—*
Katchka, Jay R.; Hendrick, Fred W.; and Egger, Michael E., 3,825,398.

Egger, Raymond C. Smoking pipe with tool. 3,822,711, 7-9-74, Cl. 131-184.00r.

Eggerman, William G.: *See—*
Crisler, Larry R.; and Eggerman, William G., 3,832,222.

Eggers, Berend: *See—*

Class, Gottfried; and Eggers, Berend, 3,846,234.

Eggers, Edward T.: *See—*
Blanshine, Allison W.; Eggers, Edward T.; and Hyman, Myles, 3,844,208.
Mast, Aquila D.; and Eggers, Edward T., 3,815,345.
Mast, Aquila D.; Eggers, Edward T.; and Hyman, Myles, 3,847,073.

Eggers, Frieder, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Ultrasonic method of determining chemical relaxation characteristic of solutions and measuring cell therefor. 3,807,222, 4-30-74, Cl. 73-67.200.

Eggers, Joachim; and Buschmann, Hans-Theo, to Agfa-Gevaert Aktiengesellschaft. Photographic production of phase holograms and developing with a non-tanning developer. 3,816,130, 6-11-74, Cl. 96-27.00h.

Eggers, Larry A.; and Eggers, Walter A. Night fishing light. 3,838,267, 9-24-74, Cl. 240-6.40f.

Eggers, Paul J. Method and apparatus for treatment of hemorrhoids. 3,826,242, 7-30-74, Cl. 128-1.00r.

Eggers, Philip E., to Battelle Memorial Institute. Heat pipes. 3,786,861, 1-22-74, Cl. 165-105.000.

Eggers, Walter A.: *See—*
Eggers, Larry A.; and Eggers, Walter A., 3,838,267.

Eggert, Erwin: *See—*
Schmidt, Hans; Eggert, Erwin; and Schuckle, Gert, 3,819,420.

Eggert, Frank, to Schlegel Manufacturing Company, The. Panel mounting. 3,832,820, 9-3-74, Cl. 52-753.00t.

Eggert, Glenn J., to Rex Chainbelt Inc. Ternary escort memory system. 3,784,942, 1-8-74, Cl. 335-206.000.

Eggert, Noel B., to Owens-Illinois, Inc. Molded plastic container secondary operations machine. 3,791,245, 2-12-74, Cl. 83-370.000.

Eggert, Noel B., to Owens-Illinois, Inc. Molded plastic container secondary operations machine. 3,841,468, 10-15-74, Cl. 198-221.000.

Eggert, Noel B., to Owens-Illinois, Inc. Molded plastic container secondary operations machine. 3,857,648, 12-31-74, Cl. 408-17.000.

Eggert, Ralph H., to FMC Corporation. Web feeding apparatus for blank making machine. 3,807,612, 4-30-74, Cl. 226-42.000.

Eggert, Ralph H.; and Woods, Quentin T., to FMC Corporation. Apparatus for cutting sheet material. 3,844,201, 10-29-74, Cl. 93-36.00a.

Eggert, Ralph H.; and Woods, Quentin T. Unwind stand. 3,845,678, 11-5-74, Cl. 82-92.000.

Eggert, Thomas F.: *See—*
Westergren, George A.; Koland, David G.; and Eggert, Thomas F., 3,812,659.

Eggert, Walter S., Jr., to Budd Company, The. Crash attenuation apparatus for a seat in a vehicle. 3,792,896, 2-19-74, Cl. 297-216.000.

Eggert, Walter S., Jr.; and Pavlik, Michael J., to Budd Company, The. Automotive restraint system. 3,832,002, 8-27-74, Cl. 297-216.000.

Eggleston, James F., to Tenneco Oil Company. Method for dislodging a pipe string. 3,800,876, 4-2-74, Cl. 166-301.000.

Eggleton, Reginald C.; and Weidner, Albert W., to Interscience Research Institute. Rotating probe high data acquistion rate apparatus. 3,817,089, 6-18-74, Cl. 73-67.80s.

Egli, Alwin, to Schweizerische Industrie-Gesellschaft. Reclosable rectangular cardboard box. 3,794,238, 2-26-74, Cl. 229-44.0cb.

Egli, Bruno; and Manser, Niklaus, to Labronic, AG. Photometer for digital indication of concentration. 3,843,265, 10-22-74, Cl. 356-201.000.

Egli, Christian: *See—*
Schlunke, Hans-Peter; and Egli, Christian, 3,796,576.

Egli, Christian, to Ciba-Geigy Corporation. 2,3-Bis-(acylmercaptomethyl)-quinoxalines. 3,845,047, 10-29-74, Cl. 260-250.000.

Egli, Emil: *See—*
Goldammer, Georg; Grimm, Eberhard; and Egli, Emil, 3,813,866.

Egli, Hans; Burdette, Fredrick E.; and Nancarrow, James H., to Garrett Corporation, The. Energy transfer machine. 3,782,850, 1-1-74, Cl. 415-53.00t.

Egli, Henry O. Apparatus for and method of calibrating workpiece sensor and for aligning sensor and workpiece. 3,785,058, 1-15-74, Cl. 33-172.00d.

Egli, Werner H., to Honeywell Inc. Control apparatus. 3,853,013, 12-10-74, Cl. 73-505.000.

Egli, Willi: *See—*
Eckert, Peter; Egli, Willi; and Osolin, Hans Georg, 3,794,544.

Egloff, Adolf: *See—*
Huber, Jakob; and Egloff, Adolf, 3,851,592.

Egloff, Frank S.: *See—*
Simpson, Arthur R.; and Egloff, Frank S., 3,783,918.

Eglseer, Franz: *See—*
Theurer, Josef; and Eglseer, Franz, 3,816,927.

Egly, Martha H.: *See—*
Coll, Edward T., 3,840,847.

Egnaczak, Raymond K., to Xerox Corporation. Materials application apparatus. 3,800,743, 4-2-74, Cl. 118-259.000.

Egnaczak, Raymond Keith, to Xerox Corporation. Method of cleaning accumulated material from a slot. 3,821,027, 6-28-74, Cl. 134-21.000.

E.G.O. Elektro-Gerate AG: *See—*
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E.G.O. Elektro-Gerate Blanc and Fischer: *See—*
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Egorov, Anatoly Fedorovich: *See—*
Krjukov, Nikolai Mikhailovich; Shparber, Lazar Yakovlevich; Egorov, Anatoly Fedorovich; Denisov, Jury Petrovich; Bakshinov, Alexi Stepanovich; Shatlin, Alexei Leontievich; Kiyashko, Vladimir Safonovich; Krylov, Vitaly Nikolorvich; Marsuversky, Boris Alexanrovich; Saifutdinov, Rafik Khisamovich; and Vier, Vladimir Ivanovich, 3,792,850.

Egorov, Sergei Petrovich: *See—*
Medovar, Boris Izrailevich; Dubinsky, Rudolf Solomonovich; Botko, Georgy Alexandrovich; Egorov, Sergei Petrovich; Popov, Lev Vasilievich; Anisiferov, Stanislav Stepanovich; and Kulikov, Anatoly Petrovich, 3,804,149.

Egorov, Vladimir Sergeevich: *See—*
Vasiliev, Evgeny Mikhailovich; Egorov, Vladimir Sergeevich; Kovalenko, Jury Nikolaevich; Kostjuchenko, Mikhail Ivanovich; Litvin, Anatoly Vasilievich; Pobegailo, Grigory Gavrilovich; Churakov, Vladimir Mikhailovich; Lensky, Alexandr Nikolaevich; Prazdnikov Anatoly Vladimirovich; Sidorov, Ivan Sergeevich; Khovrin, Boris Vladimirovich; and Fabrika, Ljudmila Petrovna, 3,810,283.

Egri, Alajos: *See—*
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Egri, Laszlo, to Tamag Basel AG. Method for recovering steam-volatile organic bases, particularly alkaloids of tobacco. 3,803,004, 4-9-74, Cl. 203-29.000.

Egri, Laszlo, to Tamag Basel AG. Tobacco denicotinization process. 3,821,960, 7-2-74, Cl. 131-143.000.

Egtvedt, Robert B.; and Booth, William M., to Wolverine World Wide, Inc. Shoe manufacturing apparatus. 3,784,995, 1-15-74, Cl. 12-1.00a.

Egtvedt, Robert B., to Wolverine World Wide, Inc. Shoe sole and heel. 3,791,050, 2-12-74, Cl. 36-28.000.

Egtvedt, Robert B.; Wolfer, Anthony J.; Conners, Edward V., Jr.; and Boomers, Jerry L., to Wolverine World Wide, Inc. Apparatus for trimming shoe soles and heels. 3,802,016, 4-9-74, Cl. 12-87.000.

Egtvedt, Robert B., to Wolverine World Wide, Inc. Swivel cleat shoe. 3,816,945, 6-18-74, Cl. 36-2.5ae.

Egtvedt, Robert B., to Wolverine World Wide, Inc. Friction-type swivel shoe. 3,824,710, 7-23-74, Cl. 36-7.5ae.

Eguchi, Isamu; and Hiratake, Susumu, to Daido Seiko Kabushiki Kaisha. Method for heating vacuum degassing container. 3,813,469, 5-28-74, Cl. 13-9.000.

Eguchi, Osamaru: *See—*
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Eguchi, Yoshihiro; Adachi, Yasaburo; and Kuwabara, Katsutoshi, to Hochiki Corporation. Control system for an alarm installation having a remote-transmitter with a remotely controlled emergency device. 3,840,871, 10-8-74, Cl. 340-310.00r.

Eguchi, Yoshihiro, to Hochiki Kabushiki Kaisha. Control system for a plurality of loads. 3,846,641, 11-5-74, Cl. 307-41.000.

Egusa, Tomoyoshi; and Nakagami, Ichiro, to Toyo Bearing Manufacturing Company Limited. Apparatus applied to machine tools and others for transfering workpieces. 3,817,008, 6-18-74, Cl. 51-215.0hm.

Egyesult Izzolampa es Villamossagi Reszvenytarsasag: *See—*
Baktai, Gyorgy; Saly, Sandor; Orlik, Benedek; and Neugebauer, Jeno, 3,798,008.
Geiszler, Lorinc; Simon, Tibor; Varga, Mihaly; and Tolnay, Agoston, 3,843,057.
Hangos, Istvan; Varkonyi, Laszlo; Hodacs, Jozsef; and Neuhofsuski, Laszlo, 3,837,926.

Egyt Gyogyszervegyezeti Gyar: *See—*
Mikite, Gyula; Fischer, Janos; Rakoczi, Jozsef; Borsi, Jozsef; Elek, Sandor; Polgari, Istvan; Elekes, Istvan; and Maderspach, Andrea, 3,806,601.

Ehbel, Jan Dirk: *See—*
Van Hijfte, Herman Michel; and Ehbel, Jan Dirk, 3,855,593.

Eheim, Franz; and Schwartz, Reinhard, to Bosch, Robert, G.m.b.H. Fuel injection apparatus for gas turbine-type vehicle power plant. 3,784,330, 1-8-74, Cl. 417-279.000.

Eheim, Franz, to Bosch, Robert, G.m.b.H. Fuel injection apparatus for automotive vehicles using gas turbine power plants. 3,797,235, 3-19-74, Cl. 60-39.28r.

Eheim, Franz, to Bosch, Robert, G.m.b.H. Elastic rotary coupling, particularly for the driving of RPM regulators associated with fuel injection pumps. 3,821,882, 7-2-74, Cl. 64-27.0nm.

Eheim, Franz, to Bosch, Robert, G.m.b.H. Engine runaway preventing safety means associated with a distributor-type fuel injection pump. 3,841,286, 10-15-74, Cl. 123-140.00r.

Eheim, Gunther: *See—*

Wiedenmann, Walter, 3,853,429.

Ehlen, Jack William, to McCulloch Corporation. Exhaust system for a two-cycle engine. 3,842,599, 10-22-74, Cl. 60-273.000.

Ehlerding, Susanne: *See—*
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Ehlers, John G., to United States of America, Navy. Battery monitor system. 3,786,343, 1-15-74, Cl. 324-29.005.

Ehlers, Kenneth W.; and Kunkel, Wulf B., to United States of America, Atomic Energy Commission. Plasma generating device. 3,846,668, 11-5-74, Cl. 315-111.000.

Ehlers, Peter L.: *See—*
Dahl, H. Douglas; Davis, J. Gilbert, II; and Ehlers, Peter L., 3,814,480.

Ehlers, Ronald E.: *See—*
Wendt, David W.; and Ehlers, Ronald E., 3,807,474.

Ehlert, Kenneth C.: *See—*
Allen, Frank M.; De Diemar, Ronald B.; and Ehlert, Kenneth C., 3,843,068.

Ehlichmann, Merlin W., to West Creek Co., Inc. Afterburner construction. 3,808,987, 5-7-74, Cl. 110-8.00a.

Ehling, Ernest H.; Jackson, Philip C.; and McCarthy, James V., to Instrumentation Engineering, Inc. Automated diagnostic testing system. 3,854,125, 12-10-74, Cl. 340-172.500.

Ehlschlager, Arthur John, to Western Electric Company, Incorporated. Bi-directional translator. 3,829,620, 8-13-74, Cl. 179-18.0et.

Ehmann, Donald W.: *See—*
Cihon, John A.; and Ehmann, Donald W., 3,847,568.

Ehni, George J., III, to Texas Instruments, Incorporated. Low power DC-DC converter employing intermittent bursts of blocking oscillations. 3,809,994, 5-7-74, Cl. 321-2.000.

Ehnot, Donald J., to Air Products and Chemicals, Inc. Deflashing apparatus. 3,827,186, 8-6-74, Cl. 51-7.000.

Ehnstrom, Lars Karl Johan, to Alfa-Laval AB. Rotary conical strainer drum. 3,846,309, 11-5-74, Cl. 210-370.000.

Eholzer, Ulrich: *See—*
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Kempermann, Theo; Eholzer, Ulrich; Westhanning, Hermann; and Fleischhauer, Horst, 3,844,970.

Ehrai, Kurt, to Gretag Aktiengesellschaft. Identification system for individuals. 3,806,874, 4-23-74, Cl. 340-149.00r

Ehrat, Kurt, to Gretag Aktiengesellschaft. Method and apparatus for encoding and decoding messages. 3,808,365, 4-30-74, Cl. 178-22.000.

Ehrat, Kurt, to Gretag Aktiengesellschaft. Self-service shop. 3,836,755, 9-17-74, Cl. 235-61.70r.

Ehren, Irwin Robert: *See—*
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Ehrenberg, Hermann, to Fouquet-Werk Frauz & Planck. Connecting arrangement. 3,797,950, 3-19-74, Cl. 403-370.000.

Ehrend, Helfried; Morche, Klaus; Kempermann, Theo; and Redetzky, Wolfgang, to Rhein-Chemie Rheinau GmbH. Masticating agent for natural and/or synthetic rubber. 3,839,250, 10-1-74, Cl. 260-23.00r.

Ehrenfreund, Herbert A., to Polytech Systems, Inc. Process for extruding a foamed closed-cell polyolefin extrudate substantially free from cell collapse by use of a barrier material. 3,810,964, 5-14-74, Cl. 264-53.000.

Ehrenfreund, Herbert A.; and Cronin, Edward W., to Haskon, Inc., mesne. Process for extruding foamed thermoplastic by utilizing an intermeshing co-rotating twin screw extruder. 3,843,757, 10-22-74, Cl. 264-53.000.

Ehrenfried, Albert D.; and Pierce, Norton T., to Metritape, Inc. Discrete level detector. 3,783,689, 1-8-74, Cl. 73-301.000.

Ehrenfried, Albert D.; Pierce, Norton T.; and Ide, Mason G., to Metritape, Inc. Channel mounted level sensor. 3,792,407, 2-12-74, Cl. 338-13.000.

Ehrengruber, Paul: *See—*
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Ehrenreich, A. & Cie: *See—*
Maxeiner, Gottfried; and Muhr, Heinrich, 3,820,908.

Ehrens, Henry; and Slocum, Charles W., to Sealed Unit Parts Co., Inc. Universal clamping device for tubing of different diameters. 3,817,270, 6-18-74, Cl. 137-318.000.

Ehresman, Allen D.: *See—*
Orton, Criley; and Ehresman, Allen D., 3,786,508.

Ehret, Gordon F., to Swimquip, Inc. Filter element construction. 3,795,320, 3-5-74, Cl. 210-486.000.

Ehret, Jenson E.: *See—*
Szendroi, Imre; and Ehret, Jenson E., 3,847,303.

Ehret, Rudolf: *See—*
Schwab, Alfred; and Ehret, Rudolf, 3,787,307.

Ehret, Yale W.; and Anderson, Russell O., to Adams & Westlake Company, The. Window. 3,808,742, 5-7-74, Cl. 49-413.000.

Ehretsmann, Jacques; Barbey, Emile; and Heinzer, Paul, to Battelle Memorial Institute. Ink ribbon having an anisotropic electric conductivity. 3,847,265, 11-12-74, Cl. 197-172.000

Ehrhardt, Gerry H.; and Abernathy, Timothy G. Method of forming improved pressure sensitive transfer media. 3,819,397, 6-25-74, Cl. 117-36.100.

Ehrhardt, John R.: *See—*
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Monser, George J.; Hardie, George S.; Ehrhardt, John R.; and Smith, Terry M., 3,836,976.

Ehrhardt, Orville W.: *See—*
Seichter, Daniel J.; and Ehrhardt, Orville W., 3,857,051.

Ehrich, Frederick Franklin, to General Electric Company. Gas turbine engine with means for reducing the formation and emission of nitrogen oxides. 3,842,597, 10-22-74, Cl. 60-226.00r.

Ehrich, Fredric Franklin, to General Electric Company. Sound attenuating inlet duct. 3,843,277, 10-22-74, Cl. 415-119.000.

Ehrich, William G. E.; and Bigham, Jackson D., Jr., to Control data Corporation. Communications system. 3,816,645, 6-11-74, Cl. 178-2.00r.

Ehrke, Ralf: *See—*
Hertel, Gunther; and Ehrke, Ralf, 3,818,188.

Ehrlich, Donald J., to Monon Trailer Inc. Trailer construction. 3,788,682, 1-29-74, Cl. 296-28.00m.

Ehrlich, Donald J., to Monon Trailer Inc. Tie rail. 3,804,436, 4-16-74, Cl. 280-179.00a.

Ehrlich, Donald J., to Monon Trailer Inc. Trailer side panel construction. 3,817,569, 6-18-74, Cl. 296-28.00m.

Ehrlich, Donald J., to Monon Trailer, Inc. Cargo transporter having door-operated cargo retainer. 3,841,661, 10-15-74, Cl. 280-179.00r.

Ehrlich, John J.; and Martignoni, Pasquale, to United States of America, Army. Heating means for metal vapor lasers. 3,852,685, 12-3-74, Cl. 331-94.500.

Ehrlich, Robert M.; and Cox, Raymond E., to General Foods Corporation. Slow-set pectin and process for preparing same. 3,835,111, 9-10-74, Cl. 260-209.500.

Ehrlich, Sanford H., to Eastman Kodak Company. Sensitized compounds and elements. 3,811,895, 5-21-74, Cl. 96-88.000.

Ehrlich, Stanley L., to Raytheon Company. Super-directive system. 3,821,740, 6-28-74, Cl. 343-100.0sa.

Ehrlich, Stanley L. L., to Raytheon Company. Transducer compensation network. 3,839,698, 10-1-74, Cl. 340-9.000.

Ehrlich, Stephen Jeffrey: *See—*
Rosenthal, Francis Joseph; Ehrlich, Stephen Jeffrey; and Lynch, Patrick Enright, Jr., 3,807,151.

Ehrlich, Stephen Jeffrey, to Black and Decker Manufacturing Company, The. Wheel mounting assembly for lawn and garden type tools and the like. 3,788,049, 1-29-74, Cl. 56-16.900.

Ehrlich, Stephen Jeffrey, to Black and Decker Manufacturing Company, The. Trimmer-edger with handle clamp. 3,803,819, 4-16-74, Cl. 56-17.100.

Ehrman, Alexander, to Excello-Film Pak, Inc. Animal waste receiving device. 3,792,687, 2-19-74, Cl. 119-95.000.

Ehrman, Chester S.; Scheib, Louis; Worsley, Charles S.; Jones, Frank J.; and Freeborg, Robert M., to Allied Chemical Corporation. Apparatus for shearing spent nuclear fuel bundles. 3,807,018, 4-30-74, Cl. 29-200.00d.

Ehrreich, John E.; and Reti, Adrian R., to Graham Magnetic, Inc. Acicular salts and their preparation. 3,803,191, 4-9-74, Cl. 260-439.00r.

Ehrreich, John E.; and Reti, Adrian R., to Graham Magnetics, Inc. Method of making fine powders. 3,843,349, 10-22-74, Cl. 75-.5ba.

Ehrreich, John E.; and Reti, Adrian R., to Graham Magnetics, Inc. Process for making small particles. 3,846,118, 11-5-74, Cl. 75-.5aa.

Ehrreich, John E.; and Reti, Adrian R., to Graham Magnetics, Inc. Acicular cobalt powders having high squareness ratios. 3,855,016, 12-17-74, Cl. 148-31.570.

Ehrsam Company, The: *See—*
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Eiben, Siegfried: *See—*
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Eibensteiner, Walter, to U.S. Philips Corporation. Recording and/or playback apparatus and cartridge for such apparatus. 3,797,036, 3-12-74, Cl. 360-85.000.

Eibich, Alfred: *See—*
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Eich, Clarence C.: *See—*
Reale, Salvatore J.; Eich, Clarence C.; Van Dyke, Walter J.; Dave, Rajnikant P.; and Whitney, Gilbert C., 3,799,123.

Eichelberger, Charles W.: *See—*
Garratt, Philip M.; and Eichelberger, Charles W., 3,826,983.
Michon, Gerald J.; and Eichelberger, Charles W., 3,805,062.

Eichelberger, Charles W., to General Electric Company. Method and apparatus for sensing radiation and providing electrical readout. 3,795,806, 3-5-74, Cl. 250-211.00j.

Eichelberger, Charles W.; and Burke, Hubert K., to General Electric Company. Method and apparatus for sensing radiation and providing electrical readout. 3,801,820, 4-2-74, Cl. 250-211.00j.

Eichelberger, Charles W.; and Garratt, Philip M., to General Electric Company. Highly stable precision voltage source. 3,826,969, 7-30-74, Cl. 323-19.000.

Eichelberger, Edward B.; Gustafson, Richard N.; and Kurtz, Clark, to International Business Machines Corporation. Logic circuit for scan-in/scan-out. 3,806,891, 4-23-74, Cl. 340-172.500.

Eichelberger, Edward Baxter, to International Business Machines Corporation. Level sensitive logic system. 3,783,254, 1-1-74, Cl. 235-152.000.

Eichelman, George H., Jr.: *See—*
Shapiro, Eugene; Crane, Jacob; and Eichelman, George H., Jr., 3,788,902.

Eichelsheim, Alexander Victor, to Applied Power Inc. Hydraulic piston-cylinder device having means for permitting limited reciprocating motion. 3,853,368, 12-10-74, Cl. 296-35.00r.

Eichenauer, Fritz: *See—*
Meywald, Klaus, 3,816,706.
Ohnmacht, Helmut; and Meywald, Klaus, 3,840,723.

Eichenberger, Kurt; Schmidt, Paul; and Schweizer, Ernst, to Ciba-Geigy Corporation. 4,5,6,7-Tetrahydrothieno[2,3-d]. 3,823,151, 7-9-74, Cl. 260-294.80c.

Eichenbrenner, Fred E.; and Imig, Leland A., to United States of America, National Aeronautics and Space Administration. Anti-buckling fatigue test assembly. 3,795,134, 3-5-74, Cl. 73-15.600.

Eichenlaub, Earl V.: *See—*
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Eichenlaub, John E. Fuel fired space heater. 3,797,474, 3-19-74, Cl. 126-85.00r.

Eichenlaub, John E. Safe infrared radiation-emitting apparatus. 3,849,063, 11-19-74, Cl. 432-185.000.

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Eichholz, Arthur H., to Central Quality Industries, Inc. Carrying handle assembly for cartons. 3,782,620, 1-1-74, Cl. 229-52.0am.

Eichholz, Gunter: *See—*
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Eichhorn, Georg: *See—*
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Eichin, Harry P.: *See—*
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Eichinger, Frithjof, to Peters, Claudius, AG. Steel conversion. 3,857,554, 12-31-74, Cl. 266-34.00t.

Eichinger, John W., to Buckeye Forge Division-Gulf & Western Industrial Products Company. Method of assembling closure member for metal containers. 3,811,174, 5-21-74, Cl. 29-453.000.

Eichler, Dieter: *See—*
Glockler, Otto; Eichler, Dieter; Gansert, Willi; Schulzke, Peter; Singer, Erich; Soll, Wolfgang; and Eisele, Hermann, 3,807,376.

Eichler, Dieter; and Remmele, Walter, to Bosch, Robert, G.m.b.H. Temperature supervisory system for exhaust gas reactors for internal combustion engines. 3,851,469, 12-3-74, Cl. 60-277.000.

Eichler, Norbert; and Urban, Kurt, to Gebr. Bohler & Co. AG. Apparatus for cutting of fiber strands. 3,831,482, 8-27-74, Cl. 83-675.000.

Eichmann, Karl. Independent variable multiflow highpressure pump. 3,805,675, 4-23-74, Cl. 91-492.000.

Eichmanns, Winfried Paul; Finken, Hans-Joachim; and Mager, Guenther Winand, to Saint-Gobain Industries. Process and devices for the winding of continuous fibers-particularly glass fibers-in the form of bobbins. 3,845,912, 11-5-74, Cl. 242-18.00r.

Eichner, Fred N.; and Kocher, Leo F., to United States of America, Atomic Energy Commission. Environmental dosimeter of the thermo-luminescent type. 3,789,227, 1-29-74, Cl. 250-484.000.

Eicholtz, Clara V.: *See—*
Clark, Harry L.; Trombley, Bertrand N.; and Eicholtz, Clara V., 3,814,489.

Eicholtz, Frank E. Composite archery bow. 3,850,156, 11-26-74, Cl. 124-23.00r.

Eichorn, Roger Hamilton, to Xerox Corporation. Electrophotographic sheet binding process. 3,793,016, 2-19-74, Cl. 96-1.00r.

Eichstaedt, Edward C. Post anchor. 3,797,182, 3-19-74, Cl. 52-156.000.

Eickelberg, Henry L., to Modern Equipment Company. Method for pouring liquid metal using electromagnetic pump. 3,837,531, 9-24-74, Cl. 222-1.000.

Eickelberg, Henry L., to Modern Equipment Company. Apparatus and method for melting and pouring metal. 3,844,453, 10-29-74, Cl. 222-399.000.

Eickelberg, John E.; and Rice, James S., to Industrial Nucleonics Corporation. Stuck actuator alarm. 3,829,848, 8-13-74, Cl. 340-238.000.

Eickemeyer, Rudolf. Apparatus for processing degradation of cellulosic materials. 3,787,241, 1-22-74, Cl. 127-1.000.

Eickenbusch, Hubert: *See—*
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Eickhof, John K. Hydraulically elevated birdhouse construction. 3,814,059, 6-4-74, Cl. 119-23.000.

Eickhoff, Heinz: *See—*
Gantre, Franz; Zywietz, Walter; Seiz, Rudolf; and Eickhoff, Heinz, 3,783,625.

Eickhorst, Manfred: *See—*
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Eickhorst, Manfred; and Lenzen, Godehard, said Lenzen assor. to said Eickhorst, Manfred. Method and apparatus for determining the color or cut diamonds. 3,794,424, 2-26-74, Cl. 356-30.000.

Eickman, Karl. Hydraulically controlled fluid stream driven vehicle. 3,790,105, 2-5-74, Cl. 244-12.00r.

Eickman, Willis Victor. Electrical service mounting. 3,796,822, 3-12-74, Cl. 174-48.000.

Eickmann, Karl. Fluid handling machine with axial pressure control. 3,791,261, 2-12-74, Cl. 91-485.000.

Eickmann, Karl. Fluid-traversed flow piston unit. 3,793,924, 2-26-74, Cl. 91-487.000.

Eickmann, Karl. Fluid borne craft driven by hydrostatically operated propellers governed by an accident preventing automatic control device. 3,801,046, 4-2-74, Cl. 244-17.230.

Eickmann, Karl. Rotary radial piston type fluid handling device. 3,803,986, 4-16-74, Cl. 91-492.000.

Eickmann, Karl. Hydrostatic synchronization device for counter-revolving and co-axial rotors. 3,806,066, 4-23-74, Cl. 244-17.230.

Eickmann, Karl. Hydraulically controlled fluidstream-driven aircraft. 3,823,898, 7-16-74, Cl. 244-55.000.

Eickmann, Karl. Vane machine with pressure bias and balancing means for the rotary control port member. 3,844,685, 10-29-74, Cl. 417-204.000.

Eickmann, Karl. Thrust member for fluid-operated rotary aggregates. 3,850,201, 11-26-74, Cl. 137-625.210.

Eickmann, Kearl. Pressure responsive control body arrangement. 3,831,496, 8-27-74, Cl. 91-487.000.

Eickmeier, James R. Method for producing high hydrogen sulfide content gas wells. 3,796,265, 3-12-74, Cl. 166-303.000.

Eickmeyer, Allen G. Method for removing acid gases from gaseous mixtures. 3,851,041, 11-26-74, Cl. 423-223.000.

Eickmeyer, Irvin A.: *See—*
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Eidai Sangyo Kabushiki Kaisha: *See—*
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Eide, Melvin O.; and Clark, Donald E., to Sundstrand Data Control Inc. Capacitance difference detector circuit. 3,783,374, 1-1-74, Cl. 324-60.00c.

Eidelberg, Jonah; Mooney, Thomas; and Brett, John J. Liquid-tight swivel coupler for electrical conduit. 3,828,117, 8-6-74, Cl. 174-84.00s.

Eidelberg, Jonah, to Electrical Fittings Corporation. Slip-fit electrical coupling. 3,829,136, 8-13-74, Cl. 285-383.000.

Eiden, Fritz; and Gauglitz, Gerhard, to Chem. pharmaz. Fabrik Dr. Hermann Thiemann GmbH. 1,2-Diphenyl- 3,5-dioxopyrazolidine compounds used to treat inflammation. 3,845,213, 10-29-74, Cl. 424-273.000.

Eidet, Hakon, to K. Pettersens Sonner A/S. Combined boiler and heat exchanger for an absorption refrigeration unit operating on indifferent gas. 3,828,576, 8-13-74, Cl. 62-490.000.

Eidinger, Adolf: *See—*
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Eiermann, Dankwart, to Audi NSU Auto Union Aktiengesellschaft and Wankel G.m.b.H. Oil seal for rotary mechanism. 3,816,041, 6-11-74, Cl. 418-142.000.

Eifel, Paul J.: *See—*
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Eifler, Raymond J., to Bendix Corporation, The. Rear release contact retention assembly. 3,810,071, 5-7-74, Cl. 339-59.00m.

Eifler, Raymond J.; and Hennessey, Walter F., to Bendix Corporation, The. Rear release contact retention assembly. 3,812,447, 5-21-74, Cl. 339-59.00r.

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Eifler, Willi; and Finkel, Josef, to Bayer Aktiengesellschaft. Process for the production of polyamines. 3,825,598, 7-23-74, Cl. 260-570.00d.

Eifrid, Stephen L. Container with folded panel portions. 3,834,610, 9-10-74, Cl. 229-40.000.

Eigenbrod, Lester K., to Union Carbide Corporation. Cryogenic fluid supply system. 3,797,262, 3-19-74, Cl. 62-50.000.

Eigenmann, Gottfried; Kaiser, Leo E.; and Nothiger, Otto, to Ciba-Geigy AG. Process for the dyeing of tow in hydrated condition. 3,787,182, 1-22-74, Cl. 8-177.000.

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Eigenmann, Ludwig. Road surface marking material and marked road. 3,782,843, 1-1-74, Cl. 404-9.000.

Eigenmann, Ludwig. Line-marking device for road surface. 3,844,669, 10-29-74, Cl. 404-94.000.

Eikenberry, John N.: *See—*
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Eiland, Ehrlich M., to Aluminum Company of America. Opaque white coating composition comprising essentially cellulose ester/cross-linking agent/catalyst /solvent and organic liquid. 3,823,101, 7-9-74, Cl. 260-14.000.

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Eiler, Louis H.; and Parks, Christ F., to Dow Chemical Company, The. Cementitious compositions and methods. 3,845,004, 10-29-74, Cl. 260-326.00n.

Eiler, Peter; and Weiskopf, Hans, to Gottwald, Leo, K.G. Extendible crane boom formed of telescopic box-shaped sections. 3,802,136, 4-9-74, Cl. 52-115.000.

Eiler, Peter, to Gottwald, Leo KG. Mobile crane. 3,822,791, 7-9-74, Cl. 212-49.000.

Eiler, Peter, to Gottwald, Leo, K.G. Crane overload safety device with temperature compensation. 3,834,550, 9-10-74, Cl. 212-39.0ms.

Eilerman, George E.: *See—*
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Eilers, Louis H.; and Parks, Christ F., to Dow Chemical Company, The. Composition and the use thereof for reducing the permeability of a formation. 3,795,276, 3-5-74, Cl. 166-295.000.

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Eilers, Louis H.; and Parks, Christ F., to Dow Chemical Company, The. Cementitious compositions and methods. 3,847,858, 11-12-74, Cl. 260-33.20r.

Eilert, Richard L.; and Klemenz, John J., to Chicago Aerial Industries, Inc. Optical illumination system. 3,786,247, 1-15-74, Cl. 240-1.300.

Eilertson, Warren H. In-flight aircraft recovery system. 3,796,398, 3-12-74, Cl. 244-139.000.

Eiley, David, to Lucas, Joseph, (Electrical) Limited. Overload protection circuits. 3,835,367, 9-10-74, Cl. 322-28.000.

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Eilingsfeld, Heinz; and Patsch, Manfred, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Separation of monochloro-o-xylenes. 3,850,998, 11-26-74, Cl. 260-650.00r.

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Eimer, Klaus; and Thal, Heinz, to Ludwig Taprogge (Cleaning Installations for Pipe Heating Exchange). Filter screen installation. 3,828,930, 8-13-74, Cl. 210-137.000.

Eimer, Klaus, to Ludwig, Taprogge Reinigungsanlagen fur Rohren-Warmeaustauscher. Hydrodynamic sorting apparatus. 3,841,397, 10-15-74, Cl. 165-95.000.

Eimers, Erich; Margotte, Dieter; Dhein, Rolf; and Schmid, Helmut, to Bayer Aktiengesellschaft. Stabilized aromatic polycarbonates. 3,794,629, 2-26-74, Cl. 260-45.80a.

Ein, Yrjo Armin; Ek, Klas Goran Gunnarsson; Ekwall, Karl Gosta Bernhard; Engovist, Eric Johan Anders; Jagerstrom, Axel Henry; and Sjogren, Sven Wilhelm, to Atlas Copco Aktiebolag. Device for controlling the feeding force at rock-drilling. 3,802,514, 4-9-74 Cl. 173-8.000.

Einarson, Norman S., to Solder Removal Company. Dual in line package handling tool. 3,797,092, 3-19-74, Cl. 29-203.00h.

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Einaudi, Mario, to Nazionale Cogne S.p.A. Device for the final binding of yarn on bobbins for ring spinning and twisting machines. 3,803,825, 4-16-74, Cl. 57-54.000.

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Einighammer, Hans J.; and Hauke, Rudolf. Method for increasing the power X-ray tubes and apparatus for carrying out the method. 3,825,786, 7-23-74, Cl. 313-60.000.

Einramhof, Franz; van Kronenburg, Leonardus Henricus Adrianus Theresia; and Verboven, Ghislain Felix Alfons Arthur, to U.S. Philips Corporation. Method of sealing a quartz tube. 3,852,053, 12-3-74, Cl. 65-34.000.

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Eisele, Judith A.; and Heinen, Harold J., to United States of America, Interior. Recovery of gold. 3,834,896, 9-10-74, Cl. 75-112.000.

Eiselstein, Herbert Louis; and Hosier, James Crombie, to International Nickel Company, Inc., The. Sheathed electric heater elements. 3,828,296, 8-6-74, Cl. 338-234.000.

Eiseman, Fred S., Jr.; Schenck, Leslie M.; and Beiswanger, John P. G., to GAF Corporation. Lubricating compositions containing sulfur containing phosphate esters. 3,791,985, 2-12-74, Cl. 252-32.0fr.

Eiseman, Fred S., Jr.; Schenck, Leslie M.; and Beiswanger, John P. G. Phosphonamides. 3,856,895, 12-24-74, Cl. 260-945.000.

Eisemann, Kurt, to U.S. Philips Corporation. Arrangement in a record player for accurately adjusting the height of a friction wheel. 3,818,772, 6-25-74, Cl. 74-107.000.

Eisemann, Kurt, to U.S. Philips Corporation. Shut-off device for a record changer. 3,825,269, 7-23-74, Cl. 274-10.00r.

Eisen, Irving A.; and Maresca, Gerard. Validating system and method. 3,855,454, 12-17-74, Cl. 235-92.0ct.

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Eley, Edgar R., to Westinghouse Electric Corporation. Transformer having a cast winding structure with integral insulating barriers. 3,821,678, 6-28-74, Cl. 336-96.000.
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Elfe, Thomas B., Jr.; Koppius, Otto G.; and Willis, Ronald R., to Sperry Rand Corporation. Electron gun with masked cathode and non-intercepting grid. 3,818,260, 6-18-74, Cl. 313-299.000.
Elflein, Manfred, to Nieten- und Metallwarenfabrik Alfred Honsel. Blind rivet setting attachment for power tools. 3,822,595, 7-9-74, Cl. 72-391.000.
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Elford, Peter Ellice. Cartons, trays and the like. 3,841,476, 10-15-74, Cl. 206-427.000.
Elg, Carl L. Apparatus for removing flanged cup bearings from heavy duty universal joints. 3,846,891, 11-12-74, Cl. 29-201.00r.
Elger, Ronald John, to Mannesmann-Meer Aktiengesellschaft. Hydraulic presses. 3,835,682, 9-17-74, Cl. 72-14.000.
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Elges, Carl H., III; Hasket, Philip R.; Bauer, Donald J.; and Lindstrom, Roald E., to United States of America, Interior. Recovery of metal values from chrome etching solutions. 3,784,669, 1-8-74, Cl. 423-43.000.
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Elias, Adrian Dan. Apparatus for the production of a wide-angle image. 3,792,914, 2-19-74, Cl. 350-123.000.
Elias, Elias George; and Elias, Youssef George. Bone biopsy instrument and method. 3,850,158, 11-26-74, Cl. 128-2.00b.
Elias, Murray A., to Dell Holdings Limited. Support for construction fence. 3,822,850, 7-9-74, Cl. 248-354.00s.
Elias, Murray A., to Dell Holdings Limited. Jacking device. 3,848,851, 11-19-74, Cl. 254-108.000.
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Eliasson, Eva. Swimming pool device and method of making such device. 3,800,487, 4-2-74, Cl. 52-169.000.
Eliasson, Karl Bertil, to Granges-Essem AB. Method and an apparatus for the continuous production of stranded wire. 3,786,623, 1-22-74, Cl. 57-34.00r.
Eliasson, Karl Rudolf. Apparatus for producing pellets of expanded clay. 3,834,862, 9-10-74, Cl. 432-106.000.
Eliminex Technology Inc.: *See—*
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Elizer, Lee H., to Hubinger Company, The. Sizing textile fibers with starches containing nonionic, basic and acidic groups. 3,793,062, 2-19-74, Cl. 117-139.50c.
Elizer, Lee H., to Hubinger Company, The. Amphoteric starch and preparation and uses therefor. 3,793,310, 2-19-74, Cl. 260-233.30r.
Elk Craft, Inc.: *See—*
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Elkind, Vincent T.; Hunter, Robert T.; Marder, Herman L.; and Hutchinson, Homer F., to Colgate-Palmolive Company. Textile sizing, water and oil repellent composition. 3,809,663, 5-7-74, Cl. 260-17.4st.
Elkins, Edward John, to Valley Tow-Rite; a division of Scott & Fetzer Co. Device for towing one vehicle with another. 3,834,737, 9-10-74, Cl. 280-502.000.
Elkins, Johnny C.; and Theriot, Gilbert A., said Elkins assor. to said Theriot, Gilbert A. Indexing means for wall panel openings. 3,812,587, 5-28-74, Cl. 33-138.000.
Elkins, Vance V., Jr. Golf swing training apparatus. 3,802,709, 4-9-74, Cl. 273-186.00a.
Elkins, Vance V., Jr. Method of fitting golfer with putter and improving putting accuracy. 3,826,495, 7-30-74, Cl. 273-32.00r.
Elkins, Vance V., Jr. Golf glove, system and method. 3,848,874, 11-19-74, Cl. 273-183.00b.
Elkins, William, to Acurex Corporation. Process of making a contoured thermal device. 3,830,676, 8-20-74, Cl. 156-289.000.
Elkins, William, granted to United States National Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457 Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457; Connell, Eugene W.; and Alesna, Robert E. Flexible jint for pressurizable garment. 3,832,735, 9-3-74, Cl. 2-2.10a.
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Elkuch, Franz, to Etablissement Procor. System for generating periodical mechanical vibrations. 3,838,299, 9-24-74, Cl. 310-6.000.
Elkus, Rickard J., Jr.: *See—*
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Ellanin Investments, Ltd.: *See—*
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Ellbogen, Erich, to Texas Instruments, Incorporated. Push-pull output stage circuit. 3,792,365, 2-12-74, Cl. 330-15.000.
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Elle, Erich, to Bau-Stahlgewebe GmbH. Roll stand for cold working of rolled steel in rod or wire form. 3,810,376, 5-14-74, Cl. 72-194.000.
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Ellefson, John R.: *See—*
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Ellegast, Konrad; Schnegg, Robert; Essig, Karl August; and Wieden, Horst, to Bayer Aktiengesellschaft. Apparatus for producing crimped filaments from synthetic polymers. 3,822,450, 7-9-74, Cl. 28-1.300.
Ellenberg, John D.: *See—*
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Ellender, Robert D., Jr. Process for removing sulfur from crude oil. 3,850,745, 11-26-74, Cl. 208-226.000.
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Eller, Dennis E. Truck tire spare carrier. 3,831,793, 8-27-74, Cl. 214-454.000.
Eller, Ronald L., to Passport Corporation. Conveyor for wheeled vehicles. 3,844,222, 10-29-74, Cl. 104-172.00b.
Eller, Timothy S., to GTE Sylvania Incorporated. Filter system for amplifier station for amplifying signals in separate frequency bands. 3,806,813, 4-23-74, Cl. 325-308.000.
Eller, Warren C.; and Valenta, Frank J., to United States of America, Navy. Temperature compensated pyrotechnic delays. 3,851,586, 12-3-74, Cl. 102-27.000.
Ellero, Charles J. Power vehicle drawn container transporting device. 3,817,577, 6-18-74, Cl. 298-5.000.

Ellestad, George Alfred; Martin, John Henry Edward James; and Porter, John Norman, to American Cyanamid Company. Antibiotic BL869 beta and method of preparation. 3,856,939, 12-24-74, Cl. 424-116.000.

Ellett, James R. Toggle linkage valve actuator. 3,790,124, 2-5-74, Cl. 251-58.000.

Ellett, James R., to Bralorne Resources Limited. Three-way pilot valve. 3,838,711, 10-1-74, Cl. 137-627.500.

Ellin, Nils A. Tie form construction. 3,813,694, 6-4-74, Cl. 2-153.000.

Ellin, Seymour; and Kee, Richard C., to Polaroid Corporation. Adapter apparatus for flash firing system. 3,858,227, 12-31-74, Cl. 354-145.000.

Elling, William E. Plastic lifeboats. 3,806,971, 4-30-74, Cl. 9-3.000.

Ellinger, Earl H., to DEE, Inc. Depth control for farm implement. 3,844,357, 10-29-74, Cl. 172-4.900.

Ellingham, Bruce; and Chisholm, Andrew Alexander, to Platt International Limited. Open-end spinning of textile yarns. 3,834,145, 9-10-74, Cl. 57-56.000.

Ellinghausen, Edgar A.; and Johnson, George B., to Interstate Drop Forge Co. Power control circuit for resistance heating moving conductors. 3,842,239, 10-15-74, Cl. 219-155.000.

Ellingsen, Raymond L., to Brunswick Corporation. Mounting arrangement for an outboard motor. 3,782,321, 1-1-74, Cl. 115-17.000.

Ellingson, Hartley N.: *See—*
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Elliot Brothers (London) Limited: *See—*
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Elliot, James E., to MCA Disco-Vision, Inc. Video disc player with variably biased pneumatic head. 3,829,622, 8-13-74, Cl. 179-100.30v.

Elliot, Raymond S.: *See—*
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Elliott, Bill J. Electric outlet box locator. 3,842,510, 10-22-74, Cl. 33-180.00r.

Elliott Brothers (London) Limited: *See—*
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Elliott, Curtis H., Jr., to Grace, W. R., & Co. Process for producing crystalline zeolite. 3,789,107, 1-29-74, Cl. 423-329.000.

Elliott, Curtis Homer, Jr., to Grace, W. R., & Co. Synthetic fluoride containing zeolite systems. 3,839,539, 10-1-74, Cl. 423-329.000.

Elliott, David Robert; and Greenway, John Michael. Treatment of yarns. 3,808,652, 5-7-74, Cl. 28-1.400.

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Elliott, Herbert James. Method and apparatus for casting thermoplastic materials E.G. sulphur and bitumens. 3,819,793, 6-25-74, Cl. 264-213.000.

Elliott, Howard A.; and Grebik, Stephen J., to Essex International, Inc. Spark plug terminal. 3,813,645, 5-28-74, Cl. 339-259.00r.

Elliott, James B., to United Corporation. Scanning camera. 3,812,505, 5-21-74, Cl. 95-11.000.

Elliott, James D.: *See—*
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Elliott, James Madison. Finishing method. 3,827,208, 8-6-74, Cl. 52-741.000.

Elliott, James O., to Auto Crane Company. Convertible rail-highway vehicle. 3,804,025, 4-16-74, Cl. 105-215.00c.

Elliott, James O.; and Keller, Chris F., Jr., to General Motors Corporation. Windshield wiper control circuit. 3,849,711, 11-19-74, Cl. 318-443.000.

Elliott, John, to Elliott, Angelika. Vacuum indicator. 3,800,780, 4-2-74, Cl. 128-2.00f.

Elliott, John, to Elliott, Angelika. Needle and sterlizing apparatus therefor. 3,844,275, 10-29-74, Cl. 128-2.10r.

Elliott, John Scotchford; Crail, Ian Robert Henry; and Askew, Herbert Frank. Lubricating compositions. 3,788,990, 1-29-74, Cl. 252-33.400.

Elliott, John Scotchford; Jayne, Gerald John Joseph; Crook, Monty Frederick; and Harrington, Colin John, to Burmah Oil Trading Limited. Derivatives of glycols, glycol ethers and glycol esters. 3,813,341, 5-28-74, Cl. 252-77.000.

Elliott, John Scotchford; Crail, Ian Robert Henry; and Askew, Herbert Frank, to Burmah Oil Trading Limited. Lubricating compositions. 3,833,501, 9-3-74, Cl. 252-33.400.

Elliott, John Scotchford; Jayne, Gerald John Joseph; and Folliard, Patrick James, to Cooper, Edwin & Company Limited. Trithiopyrophosphates. 3,835,202, 9-10-74, Cl. 260-933.000.

Elliott, John Scotchford; Jayne, Gerald John Joseph; and Folliard, Patrick Robert James, to Cooper, Edwin, & Company Limited. Lubricants. 3,844,963, 10-29-74, Cl. 252-46.700.

Elliott, Joseph Charles, to International Business Machines Corporation. Liquid crystal display system. 3,787,834, 1-22-74, Cl. 340-324.00m.

Elliott, Joseph E., to International Business Machines Corporation. Buffer systems. 3,851,335, 11-26-74, Cl. 360-26.000.

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Elliott, Robert L. Hydraulic control means for check valves. 3,789,872, 2-5-74, Cl. 137-514.000.

Elliott, Robert L. Shoe sole protector. 3,808,712, 5-7-74, Cl. 36-7.300.

Elliott, Robert Ralph, to Century Data Systems, Inc. Vacuum tape reel. 3,853,281, 12-10-74, Cl. 242-74.000.

Elliott, Ronald C., to ESB Incorporated. Battery having laminated wrapper member which includes gas venting passageway. 3,853,629, 12-10-74, Cl. 136-111.000.

Elliott, Stanley B. Method of producing articles from sheet-like material. 3,852,870, 12-10-74, Cl. 29-413.000.

Elliott, William A. Ground engaging unit for ballast tamping machines. 3,826,025, 7-30-74, Cl. 37-142.00r.

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Ellis, Arthur W.; and Baum, Peter N., to Raytheon Company. Radio frequency data communication system. 3,806,812, 4-23-74, Cl. 325-163.000.

Ellis, Benjamin Clement, Jr.; Scholly, Christian; McGonigal, Charles; and Snyder, John Howard, said Ellis assor. to Bell Telephone Laboratories, Incorporated and said McGonigal, said Scholly and said Snyder assor. to Western Electric Company, Incorporated.Devices for making electrical connections. 3,798,587, 3-19-74, Cl. 339-97.00p.

Ellis, Carter D. Article support and ladder attachment. 3,784,139, 1-8-74, Cl. 248-210.000.

Ellis, Charles A. Ear protective device. 3,842,829, 10-22-74, Cl. 128-152.000.

Ellis, Charles D.; and Cawley, Richard E., to Lennox Industries Inc. Compressor with motor air gap adjustment. 3,796,521, 3-12-74, Cl. 417-415.000.

Ellis, Charles W., to Lorain Products Corporation. Phase responsive control circuit. 3,824,406, 7-16-74, Cl. 307-87.000.

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Ellis, Gary D., to Dresser Industries, Inc. Well packer apparatus having improved hydraulically-actuated anchor assembly. 3,804,164, 4-16-74, Cl. 166-120.000.

Ellis, Gary D., to Dresser Industries, Inc. Well packer and retriever. 3,818,987, 6-25-74, Cl. 166-134.000.

Ellis, Gary D., to Dresser Industries, Inc. Well packer and retriever. 3,851,706, 12-3-74, Cl. 166-178.000.

Ellis, Gary D., to Dresser Industries, Inc. Well packer and retriever. 3,851,708, 12-3-74, Cl. 166-237.000.

Ellis, George R.: *See—*
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Ellis, George S.; Robertson, John; and Yew, Ming-Chin, to General Motors Corporation. Gas bladder for combination liquid gas suspension device. 3,819,166, 6-25-74, Cl. 267-64.000.

Ellis, Glenn, to Sesame Industries, Limited. Closure-forming strip with an attached tear strip structure. 3,810,813, 5-14-74, Cl. 161-145.000.

Ellis, Greer, to Vishay Intertechnology, Inc. Brittle coating compositions. 3,801,340, 4-2-74, Cl. 106-238.000.

Ellis, Gwynn Pennant; and Shaw, David, to Allen & Hanburys Limited. Tetrazolyl chromones. 3,839,339, 10-1-74, Cl. 260-308.00d.

Ellis, Howard F.: *See—*
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Ellis, Jacob B., to Brown, Roy T., Jr. Outrigger roll bar apparatus for tractor vehicles. 3,802,720, 4-9-74, Cl. 280-150.00c.

Ellis, James F. Frequency-modulated eddy-current proximity gage. 3,851,242, 11-26-74, Cl. 324-40.000.

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Ellis, Jonas: *See—*
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Ellis, Jonas. Method of and apparatus for high speed printing of credit cards. 3,804,226, 4-16-74, Cl. 197-133.00r.

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Ellis, Leonard C.: *See—*
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Ellis, Leonard C.; and Kise, Mearl A., to Virginia Chemicals Inc. Sodium dithionite stabilization against self-ignition. 3,794,738, 2-26-74, Cl. 423-515.000.

Ellis, Leonard C.; and Kise, Mearl A., to Virginia Chemicals, Inc. Refrigeration oil acid test solution and method. 3,808,149, 4-30-74, Cl. 252-408.000.

Ellis, Leonard C.; and Kise, Mearl A., to Virginia Chemicals Inc. Groundwood pulp bleaching with sodium hydrosulfite containing diglycolates. 3,829,358, 8-13-74, Cl. 162-71.000.

Ellis, Leonard C.; and Kise, Mearl A., to Virginia Chemicals Inc. Groundwood pulp bleaching with sodium hydrosulfite in the presence of sodium salts of glucono-citrate complexes of polyaminoversenic acid. 3,830,690, 8-20-74, Cl. 162-71.000.

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Ellis, Lyle A.; Olmsted, Dennis R.; Platter, Sandford; and Schrupp, William D., to Storage Technology Corporation. Mufflers for magnetic tape drive system. 3,802,536, 4-9-74, Cl. 181-33.00k.

Ellis, Lynn W., to International Telephone and Telegraph Corporation. Head end interconnection system for cable TV systems. 3,794,923, 2-26-74, Cl. 325-308.000.

Ellis, Myron P.; and Kaake, Karl H., to Micromatic Industries, Inc. Honing and plating apparatus and method embodying bore gauging means. 3,842,658, 10-22-74, Cl. 73-37.900.

Ellis, Myron P.; and Kaake, Karl H., to Micromatic Industries, Inc. Honing apparatus and method embodying bore gauging means. 3,849,939, 11-26-74, Cl. 51-34.00j.

Ellis, Myron P.; and Czubak, Albin S., to Micromatic Industries, Inc. Fluid system for honing and plating apparatus. 3,853,734, 12-10-74, Cl. 204-212.000.

Ellis, R. James, to Eckrich, Peter, and Sons, Inc. Microbiological activity testing device. 3,785,930, 1-15-74, Cl. 195-127.000.

Ellis, Ray G.; and Delf, Glenn A. Self-propelled tiller. 3,792,734, 2-19-74, Cl. 172-43.000.

Ellis, Richard D. Police utility bar. 3,789,358, 1-29-74, Cl. 340-87.000.

Ellis, Richard L., to Du Pont de Nemours, E. I., and Company. Aliphatic polycyclic amidoximes as influenza antiviral agents. 3,829,581, 8-13-74, Cl. 424-327.000.

Ellis, Robert; and Ellis, Clarence. Safety trailer coupling. 3,792,432, 2-12-74, Cl. 340-52.00r.

Ellis, Robert. Rectangular field with transverse ball hurdle. 3,854,721, 12-17-74, Cl. 273-95.00h.

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Ellis, Stafford Malcolm, to Elliot Brothers (London) Limited. Combiner mounting for head-up display. 3,802,764, 4-9-74, Cl. 350-174.000.

Ellis, Stanley H., to United Aircraft Corporation. Self-correcting feedback control system. 3,851,157, 11-26-74, Cl. 235-150.100.

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Ellis, Vincent Simon, to Imperial Chemical Industries Limited. Process for bonded fibrous structure and product thereof. 3,824,146, 7-16-74, Cl. 161-150.000.

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Ellis, William Joseph; and Wentz, John Klebo, to General Electric Company. Device for protecting brushholder studs. 3,806,746, 4-23-74, Cl. 310-239.000.

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Ellison, Charles V., to Water Purification Corporation of America. Irradiator for water purification. 3,836,781, 9-17-74, Cl. 250-432.000.

Ellison, Donald E., to Inland Container Corporation. Method for forming a reinforced fiberboard container. 3,829,000, 8-13-74, Cl. 229-14.0ba.

Ellison, Donald E.; and Davenport, Larry C., to Inland Container Corporation. Container having corner post holders. 3,831,836, 8-27-74, Cl. 229-49.000.

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Ellison, James T. N'th power Galois lenear gate. 3,805,037, 4-16-74, Cl. 235-152.000.

Ellison, James T., to Sperry Rand Corporation. Binary bypassable arithmetic linear module. 3,818,702, 6-18-74, Cl. 235-156.000.

Ellison, Lynn E.; and Ellison, Charles D. Self-inking hand stamp. 3,783,786, 1-8-74, Cl. 101-333.000.

Ellithorpe, Ernest Ralph; and Fletcher, Ronald Bruce. Apparatus for the solidification of molten sulphur. 3,830,291, 8-20-74, Cl. 165-120.000.

Ellithorpe, Ernest Ralph; and Fletcher, Ronald Bruce, to Vennard & Ellithorpe Ltd. Method and apparatus for the solidification of molten sulphur. 3,832,145, 8-27-74, Cl. 23-293.00s.

Ellithorpe, Ernest Ralph; and Fletcher, Ronald Bruce, to Vennard & Ellithorpe Ltd. Apparatus for the solidification of molten sulphur. 3,838,973, 10-1-74, Cl. 23-273.00r.

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Hegeman, George D.; and Ellman, George L., 3,817,833.

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Ells, John William, to British Petroleum Company Limited, The. Piplines. 3,799,208, 3-26-74, Cl. 138-175.000.

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Elm, Karl Horst; Schatton, Paul; and Kruse, Joachim, to Mannesmann Aktiengesellschaft. Pipe coupling. 3,856,337, 12-24-74, Cl. 285-334.000.
Elm, Robert A., to Minnesota Mining and Manufacturing Company. Flexible base for cable tie. 3,810,596, 5-14-74, Cl. 248-47.0pb.
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Elmer, Richard L.; and Peterson, Elizabeth A., to Thiokol Chemical Corporation. Method of bonding a polysulfide sealant in a masonry surface. 3,799,798, 3-26-74, Cl. 117-72.000.
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Elmore, J. Russell; and Benson, Carl F., to Torrington Company, The. Method of forming outer bearing races. 3,795,960, 3-12-74, Cl. 29-148.0ar.
Elmore, J. Russell; and Benson, Carl F., to Torrington Company, The. Radial and thrust bearing and method of making same. 3,831,241, 8-27-74, Cl. 29-148.40r.
Elmore, James: *See*—
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Elmore, Lester C.; and Broxholm, Thomas M., to Pulsepower Systems Inc. Liquid propellant weapon. 3,854,376, 12-17-74, Cl. 89-33.00b.
Elmore, Richard R.; and Couch, Benjamin M., to Dura-Plex Industries, Inc. Structural panel and method of making same. 3,846,524, 11-5-74, Cl. 264-45.300.
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Elmore, Robert E., to Avco Corporation. Spacecraft velocity component. 3,792,270, 2-12-74, Cl. 250-336.000.
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Elsbett, Ludwig. Method of and arrangement for controlling the swirling air layers in the cylinders and combustion chambers of an air-compressing multi-cylinder reciprocable piston internal combustion engine. 3,845,746, 11-5-74, Cl. 123-30.00c.
Elsby, Ian Eric. Valve. 3,823,732, 7-16-74, Cl. 137-436.000.
Elscint Ltd.: *See*—
Shoshani, Avraham; Laor, Dan; Benzeev, Dan; Inbar, Dan; and Sabbah, Benjamin Prosper, 3,833,795.
Suhami, Avraham; and Sabbah, Benjamin, 3,854,047.
Zukerman, Yoram; Ben-Porath, Moshe; and Sabbah, Benjamin, 3,794,762.
Elsdoerfer, Waldemar J. Measuring head system. 3,845,561, 11-5-74, Cl. 33-169.00r.
Else, George W.: *See*—
Paul, John M.; Heisler, William C.; and Else, George W., 3,835,788.
Elsel, Werner, to Siemens Aktiengesellschaft. Electric magnet with superconductive windings. 3,801,942, 4-2-74, Cl. 335-216.000.
Elser, Karl Heinz: *See*—
Childers, William Walter; Elser, Karl Heinz; and Peterson, Phillip John, 3,846,840.
Elshuber, Karl, to Texas Instruments, Incorporated. Analog voltage switch. 3,798,468, 3-19-74, Cl. 307-242.000.
Elsing, John W. Safety release apparatus. 3,809,369, 5-7-74, Cl. 254-173.00r.

Elslager, Edward F.; and Worth, Donald F., to Parke, Davis & Company. 5Nitro-2,2'-thiobisthiazole compounds. 3,839,348, 10-1-74, Cl. 260-302.00f.
Elslager, Edward F.; and Werbel, Leslie M., to United States of America, Army. 2,4-Diamino quinazoline derivatives. 3,853,873, 12-10-74, Cl. 260-256.50r.
Elslager, Eward F.; and Worth, Donald F., to Parke, Davis & Company. 5-Nitro-2-thiazolylthiopyridine-1-oxides. 3,850,939, 11-26-74, Cl. 260-294.80d.
Elsner, Edwin C.: *See*—
Evans, Bryce B.; and Elsner, Edwin C., 3,837,631.
Elsner, Uwe, to Hauni-Werke Korber & Co. KG. Apparatus for comminuting tobacco. 3,801,024, 4-2-74, Cl. 214-34.000.
Elsner, Uwe; and Wochnowski, Waldemar, to Hauni-Werke Korber & Co. KG. Method of comminuting and drying of tobacco leaves. 3,807,415, 4-30-74, Cl. 131-22.00r.
Elson, Arthur M.: *See*—
Bauman, Joseph F.; and Elson, Arthur M., 3,819,069.
Elson, Arthur M., to Acme-Hamilton Manufacturing Corporation. Contractile-extensible conduit and method of making same. 3,834,423, 9-10-74, Cl. 138-122.000.
Elson, Reginald Arnold. Implantable prosthetic knee joint. 3,816,853, 6-18-74, Cl. 3-1.000.
Elson, Robert E.; Heminger, Raymond D.; and Tully, Geoffrey R., Jr., to United States of America, Atomic Energy Commission. Stabilized uranyl nitrate compositions and uranium impregnation method. 3,826,753, 7-30-74, Cl. 252-301.10r.
Elsten, Walter: *See*—
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Elster's, Inc.,: *See*—
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Elsworth, Raymond: *See*—
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Eltee Pulsitron: *See*—
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Eltgen, Jean-Jacques Pierre, to Societe Honeywell Bull (Societe Anonyme). Device for detecting the absence of a finger in a type carrier of a printer. 3,851,323, 11-26-74, Cl. 340-267.00r.
Elton, Richard L., to Sandoz-Wander, Inc. Thiosemicarbazones as anti-fertility agents. 3,849,575, 11-19-74, Cl. 424-323.000.
Elton, Robert L.; and Vander Louw, John F., to Minnesota Mining and Manufacturing Company. Method of making stretch-oriented porous films. 3,844,865, 10-29-74, Cl. 156-229.000.
Eltra Corporation: *See*—
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Hardin, James T., 3,809,995.
Jensen, Henry B., 3,805,855.
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Dederer, Roland; Jahns, Erwin; Maier, Herbert; Moser, Joachim; and Vierling, Karl-Heinz, 3,847,470.
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Eltzroth, J. M., & Associates, Inc.: *See*—
Miller, Russell C., 3,840,481.
Elvrum, Don S. Curing and pretannage of hides. 3,799,737, 3-26-74, Cl. 8-94.160.
Elward, John R.; and Inglis, Stanley B., to Fibreboard Corporation. Tear strip arrangement for containers. 3,823,866, 7-16-74, Cl. 229-51.0ts.
Elward, John R., to Fibreboard Corporation. End opening container with improved stacking strength. 3,831,834, 8-27-74, Cl. 229-23.00r.
Elwell, Richard C., to General Electric Company. Compact tilting pad thrust bearing. 3,817,586, 6-18-74, Cl. 308-160.000.
Elwert, Dietmar; and Gaege, Gotz, to Bosch, Robert, GmbH, Electrical insulating element such as a distributor cap. 3,829,635, 8-13-74, Cl. 200-19.0wg.
Elwick, Keith D., to Starling, Inc. Ground engaging hay bale rolling apparatus. 3,788,052, 1-29-74, Cl. 56-341.000.
Elwood, Albert A. Method of and system for locating a position. 3,797,015, 3-12-74, Cl. 343-112.00d.
Elwood, Albert A. Radio receiving station. 3,816,832, 6-11-74, Cl. 343-112.00d.
Elwood, Albert A. Low frequency drill bit apparatus and method of locating the position of the drill head below the surface of the earth. 3,828,867, 8-13-74, Cl. 175-45.000.
Elwood, Albert A. Radio transmitting station. 3,839,719, 10-1-74, Cl. 343-112.00d.
Elwood, Albert A.; and Patterson, James. Cryogenic control valve. 3,857,255, 12-31-74, Cl. 62-293.000.
Elwood, Michael J.: *See*—
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Ely, Donald A., to Beloit Corporation. Tissue former including a yankee drier having raised surface portions. 3,806,406, 4-23-74, Cl. 162-206.000.
Ely, Donald A., to Beloit Corporation. Grooved dryer. 3,815,256, 6-11-74, Cl. 34-111.000.
Ely, Donald A., to Beloit Corporation. Twin-wire papermaking machine wherein the forming wires pass through the slice chamber which contains flexible trailing elements. 3,840,430, 10-8-74, Cl. 162-275.000.
Ely, Donald A.; and McKie, Thomas G., to Beloit Corporation. Forming tissue paper by pressing the web while on an uprunning forming wire and transferring the web directly to a yankee dryer. 3,846,228, 11-5-74, Cl. 162-206.000.
Ely, John W.; and Tiner, Robert L., to Halliburton Company. Hydraulic fracturing method using benzoic acid to further increase the viscosity of liquid hydrocarbon. 3,799,267, 3-26-74, Cl. 166-308.000.
Ely, Richard N. Dental device. 3,828,804, 8-13-74, Cl. 132-91.000.
Em. D'Hooge N. V.: *See*—
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Emanuel, George, to TRW Inc. Chain reaction HCl chemical laser. 3,818,374, 6-18-74, Cl. 331-94.500.
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Balepin, Alexandr Alexeevich; Bobolev, Alexandr Vasilievich; Buslaev, Jury Alexandrovich; Chagin, Vladimir Ivanovich; Emanuel, Nikolai Markovich; and Sergeev, Andrei Ivanovich, 3,818,051.
Bljumberg, Erna Albertovna; Ivanjukov, Demid Vasilievich; Maslov, Sergei Alexeevich; Norikov, Jury Dmitrievich; Emanuel, Nikolai Markovich; and Boiko, Vladimir Vasilievich, 3,821,259.
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Emanuelsson, Ernst Ingemar: *See*—
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Emanuelsson, Kaj Bengt Ingemar; and Arnegard, Bo Olof Roland, to Atlas Copco Aktiebolag. Rotary piston compressors with liquid injection. 3,790,315, 2-5-74, Cl. 418-97.000.
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Emberson, John Ernest. Drain fitting. 3,809,411, 5-7-74, Cl. 285-42.000.
Emberson, John Ernest. Pipe joint. 3,823,965, 7-16-74, Cl. 285-174.000.
Embley, Ronald W., to Electronic Associates, Inc. Digital coefficient attenuator. 3,789,309, 1-29-74, Cl. 328-169.000.
Embling, Clifford Arthur, to Smith Industries Limited. Televised trice-motion radar with track history. 3,803,596, 4-9-74, Cl. 343-5.0st.
Embree, Milton Luther: *See*—
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Bower, Allen M., 3,840,056.
Emden, Helmut Huber; Hubele, Adolf; and Klahre, Guenter, to Ciba-Geigy AG. 8-Oxyquinoline- and 8-oxyquinaldine acrylates. 3,813,399, 5-28-74, Cl. 260-287.00x.
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Platzoeder, Karl; Martin, Heinz; and Emeis, Reimer, 3,837,000.
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Vitaly Grigorievich; Berezovsky, Mikhail Elevich; Baglai, Vitaly Mikhailovich; Shuruev, Lev Andreevich; Emelyanenko, July Georgievich Khasin, Kim Moiseevich; Lugovsky, Vladimir Ivanovich; Salmin, Valery Vasilievich; Marjuschenko, Vilen Fedorovich; Shaburov, Fedor Fedorovich; Tamozhnikov, Georgy Vasilievich; Popov, Viktor Andreevich; and Semin-Vadov, Gennady Mikhailovich, 3,794,104.

Medovar, Boris Izrailevich; Bagla, Vitaly Mikhailovich; Latash, Jury Vadimovich; Emelyanenko, July Georgievich; Fedorovsky, Boris Borisovich; Alferoy, Jury Fedorovich; and Abramovich, Evgeny Alexandrovich, 3,834,446.

Paton, Boris Evgenievich; Lebedev, Vladimir Konstantinovich; Medovar, Boris Izrailevich; Pentegov, Igor Vladimirovich; Latash, Jury Vakimovich; Bondarenko, Oleg Petrovich; Baglai, Vitaly Mikhailovich; Podola, Nikolai Vasilievich; and Emelyanenko, July Georievich, 3,790,691.

Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivanovich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tsikulenko, Anatoly Konstantinovich; Ivon, Vasily Vladimirovich; and Pavlov, Leonid Viktorovich, 3,804,150.

Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivandvich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tsikulenko, Anatoly Konstantinovich; Ivon, Vasily Vladimirovich; and Pavlov, Leonid Viktorovich, 3,805,876.

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Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Andreev, Vladimir Prokhorovich; Boiko, Georgy Alexandrovich; Emelyanenko, July Georgievich; Sobolev, Jury Vasilievich; Shavrin, Adolf Ivanovich; Dolbenko, Evgeny Tikhonovich; Chernykh, Viktor Vasilievic; and Dykan, Vitaly Grigorievich, 3,823,242.

Paton, Boris Evgenievich; Theddvar, Boris Izrailevich; Latash, Jury Vadimovich; Chekotilo, Leonty Vasilievich; Emelyanenko, July Georgievich; Us, Vasily Ivandvich; Baglai, Vitaly Mikhailovich; Martyn, Viktor Mikhailovich; Artamonov, Viktor Leonidovich; Bonarenko, Oleg Petrovich; Boiko, Georgy Alexandrovich; Tstkulenko, Anatoly Konstantinovich; Ivon, Vasily Valdimirovich; and Pavlov, Leonid Viktorovich, 3,842,898.

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Emenaker, Leo Joseph: *See—*
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Emeny, George B. Liquid level control. 3,829,241, 8-13-74, Cl. 417-17.000.

Emerg Industries, Inc.: *See—*
Schlossman, Irwin S.; Lin Li, Thomas Zoum; and Boylan, Jack B., 3,839,245.

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Emerson, Carl D.; and Aichenegg, Paul C., to Baychem Corporation. Carbamic acid esters of polyhalo disulfide alcohols. 3,784,563, 1-8-74, Cl. 260-471.00c.

Emerson, David U. Compound to make products per SE and to cast other materials. 3,850,864, 11-26-74, Cl. 260-17.200.

Emerson, David W.: *See—*
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Emerson Electric Co.: *See—*
Baysinger, Robert L., 3,840,176.
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Cappell, Charles W., 3,808,573.
Dow, Bobby F.; and Fellner, Herbert G., 3,816,782.
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Enright, James H.; and Wicke, Charles A., 3,845,707.
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Frank, Heinrich H., 3,789,640.
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Emerson, Frank L., to GTE Sylvania Incorporated. Turn signal indicator switching circuit. 3,794,863, 2-26-74, Cl. 307-310.000.

Emerson, Galo P. Locking device. 3,826,114, 7-30-74, Cl. 70-14.000.

Emerson Labeltape Corporation: *See—*
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Emerson, Reginald Stanley, to Hartridge, Leslie, Limited. Engine test equipment. 3,815,411, 6-11-74, Cl. 73-117.300.

Emerson, Reginald Stanley, to Hartridge, Leslie, Limited. Apparatus for assessing the damping performance of vehicle suspension systems. 3,830,093, 8-20-74, Cl. 73-11.000.

Emerson, Robert B., to Kaiser Aluminum & Chemical Corporation. Method for producing alumina hydrates. 3,832,442, 8-27-74, Cl. 423-111.000.

Emerson, William C., to Xerox Corporation. Chain bead drive apparatus. 3,788,454, 1-29-74, Cl. 198-168.000.

Emerson, William E.: *See—*
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Emerson, William E.; and Dorfman, Edwin, to Hooker Chemical Corporation. Catalytic process for preparing triazines and nitrile polymers. 3,839,306, 10-1-74, Cl. 260-87.700.

Emery, Alvin T.: *See—*
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Emery, Anthony Nicholas; Barker, Sidney Alan; and Novais, Julio Maggioly, to Ranks Hovis Mc Dougall, Limited. Preparation of immobilized enzymes. 3,841,969, 10-15-74, Cl. 195-63.000.

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Emery, Manning; and Vacchiano, Ronald L. Machines for stripping insulation from cables. 3,817,132, 6-18-74, Cl. 83-105.000.

Emery, Norman B. Power lawnmower with auxiliary flexible drive shaft for edger head. 3,789,591, 2-5-74, Cl. 56-16.900.

Emery, Roy W. Shallow packing tray. 3,843,009, 10-22-74, Cl. 217-26.500.

Emery, William M.; deceased (by Emery, William W.; administrator) . Self-help bath seat. 3,835,483, 9-17-74, Cl. 4-185.00s.

Emery, William W.: *See—*
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Emi, Tadashi. Pedestrian protecting fender. 3,784,244, 1-8-74, Cl. 293-25.000.

Emig, Donald L.: *See—*
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Eminger, Harry E.; and Campbell, Alan H., to Westinghouse Electric Corporation. Gate valve. 3,837,617, 9-24-74, Cl. 251-87.000.

Eminger, Robert J., to Windamatic Systems, Inc. Motion altering apparatus. 3,785,212, 1-15-74, Cl. 74-23.000.

Eminger, Robert J., to Windamatic Systems Inc. Motion conversion apparatus. 3,821,903, 7-2-74, Cl. 74-50.000.

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Emler, Michael G., to Stromberg-Carlson Corporation. Low voltage monitor circuit. 3,854,089, 12-10-74, Cl. 324-96.000.

Emmel, Leroy L. Method and apparatus for insulating electrically conductive elements. 3,802,974, 4-9-74, Cl. 156-55.000.

Emmel, Ludwig: *See—*
Goebel, Helmut; Horlein, Gerhard; and Emmel, Ludwig, 3,818,073.
Horlein, Gerhard; Salbeck, Gerhard; Emmel, Ludwig; and Werner, Bonin, 3,816,456.

Emmenegger, Russell E., to Conveyor Covers, Incorporated. Covered overland conveyor. 3,844,404, 10-29-74, Cl. 198-204.000.

Emmerich, Werner S., to Westinghouse Electric Corporation. Contacts for vacuum interrupter of small outside diameter. 3,818,166, 6-18-74, Cl. 200-144.00b.

Emmerling, Wolfram: *See—*
Meurer, Siegfried; Emmerling, Wolfram; and D'Alfonso, Nunzio, 3,809,031.

Emmerson, Calvin W.; Meginnis, George B.; and Steinbarger, Jay O., to General Motors Corporation. Cooled turbine blade and its manufacture. 3,810,711, 5-14-74, Cl. 416-97.000.

Emmert, Reinhold, to Grundig E.M.V. Electro-Mechanische Versuchsanstalt. Tape apparatus for use with tape cassettes. 3,801,039, 4-2-74, Cl. 242-191.000.

Emmert, Reinhold, to Grundig E.M.V. Elektro-Mechanische Versuchsanstalt Max Grundig. Office dictation/transcription machine. 3,813,691, 5-28-74, Cl. 360-90.000.

Emmett, John Colin: *See—*
Black, James Whyte; Durant, Graham John; Emmett, John Colin; and Ganellin, Charon Robin, 3,818,097.
Durant, Graham John; Emmett, John Colin; Ganellin, Charon Robin; and White, George Raymond, 3,808,336.

Emmick, Thomas L., to Lilly, Eli, and Company. Insect control employing compounds having juvenile hormone-like activity. 3,825,661, 7-23-74, Cl. 424-278.000.

Emmons, Albert H.: *See—*
Gilpin, Jo Ann; and Emmons, Albert H., 3,803,201.

Emmons, Dalphon L. Process for forming external multi-layer resinous coating on cylindrical surface at ambient temperature. 3,802,908, 4-9-74, Cl. 117-72.000.

Emmons, Donald R.; and Beverly, William C., Jr. System for monitoring and controlling substances in fluid bodies. 3,809,922, 5-7-74, Cl. 307-118.000.

Emmons, Donald R. Probe for detecting the level of substances in fluid bodies. 3,836,447, 9-17-74, Cl. 204-195.00r.

Emmons, George Harvey. Detachable support tray for ladders. 3,822,847, 7-9-74, Cl. 248-210.000.

Emmons, George Harvey. Detachable support tray for ladders. 3,829,051, 8-13-74, Cl. 248-238.000.

Emmons, Lawrence D., to Ampex Corporation. Fiber optic cathode ray tube with anti-static discharge means. 3,818,131, 6-18-74, Cl. 178-7.850.

Emmons, Lawrence D., to Ampex Corporation. Method of modulating a beam of electromagnetic radiation. 3,842,312, 10-15-74, Cl. 315-30.000.

Emmons, William D.: *See—*
Bakule, Ronald D.; Gill, Robert A.; and Emmons, William D., 3,804,668.

Emmons, William D., to Rohm and Haas Company. Caulking composition comprising polymer having addition polymerized backbone having carboxyl groups esterified with drying oil fatty acid glycidyl ester. 3,786,020, 1-15-74, Cl. 260-41.00a.

Emond, Albert. Bag making machine. 3,793,927, 2-26-74, Cl. 93-33.00h.

Emori, Shuichi: *See—*
Kaneko, Tutomu; Turumi, Takashi; Emori, Shuichi; and Ito, Ken, 3,833,438.

Emori, Takashi: *See—*
Shibata, Hideo; Emori, Takashi; Kurasawa, Kazuo; Okabe, Masao; and Santo, Tamio, 3,794,427.

Emory, Thomas M., Jr.: *See—*
Moyer, Ronald G.; and Emory, Thomas M., Jr., 3,822,363.

Emoto, Kazuhiro: *See—*
Futaki, Kiyoshi; Tsukahara, Hirokazu; and Emoto, Kazuhiro, 3,813,248.

Emoto, Takeo; and Kurihara, Satoshi, to Fuji Photo Film Co., Ltd. Process for preparing granular color developing agent. 3,833,377, 9-3-74, Cl. 96-66.200.

Empey, Richard A.: *See—*
Hartnek, Henry G.; Empey, Richard A.; Pettitt, David J.; and Van Winkle, Terry L., 3,852,257.

Empire Abrasive Equipment Corporation: *See—*
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Empire Plating Company, The: *See—*
Palisin, Stephen P., Jr., 3,790,355.

Empire Products, Inc.: *See—*
Newman, Albert P.; and Haun, Clem Edward, 3,784,964.

Emrick, Donald D., to National Cash Register Company, The. Process for manufacturing minute capsules having polynitrile capsule walls. 3,787,327, 1-22-74, Cl. 252-316.000.

Emrick, Homer R., to Emrick, Inc. Dual control adapter for press. 3,791,496, 2-12-74, Cl. 192-22.000.

Emrick, Inc.: *See—*
Emrick, Homer R., 3,791,496.

Emura, Tokumatsu; Kawabata, Shigeo; and Shimoma, Takashi, to Nippon Kokan Kabushiki Kaisha. Apparatus for detecting the condition of an opaque band-shaped material travelling on a delivery system. 3,833,816, 9-3-74, Cl. 250-561.000.

Emura, Tomoyuki: *See—*
Ito, Ikoh; Sekihara, Takeshi; Emura, Tomoyuki; and Ueda, Takeshi, 3,812,073.
Ito, Ikoh; Sekihara, Takeshi; and Emura, Tomoyuki, 3,813,373.
Ito, Ikoh; Ito, Shokiro; and Emura, Tomoyuki, 3,846,390.

Emus, Ronald W., Jr.: *See—*
Colt, James G.; and Emus, Ronald W., Jr., 3,831,223.

En, John, to Motorola, Inc. Multi-level error detection code. 3,831,144, 8-20-74, Cl. 340-146.1al.

En, John; and Brown, Daniel P., to Motorola, Inc. Adaptive phase synchronizer. 3,851,101, 11-26-74, Cl. 178-69.50r.

Enabnit, Robert S., to Goodyear Tire & Rubber Company, The. Fail-safe monitoring apparatus. 3,831,161, 8-20-74, Cl. 340-259.000.

Enberg, Kenneth R.: *See*—
Angstadt, John W.; Enberg, Kenneth R.; Kleindinst, Edgar L.; Ring, Richard J.; and Spence, David B., 3,841,826.

Enberlein, Wolfgang: *See*—
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Encel, Wolfhard: *See*—
Seeger, Ernst; Kahling, Joachim; and Encel, Wolfhard, 3,801,592.

Encinias, Petro Antonio. Fishing pole holder. 3,832,794, 9-3-74, Cl. 43-15.000.

Encke, Jesse I. Exercise device. 3,814,420, 6-4-74, Cl. 272-83.00r.

Ender, Manfred: *See*—
Benn, Edgar; Buchtl, Benno; and Ender, Manfred, 3,846,029.

Enderlein, Hans Dieter Friedrich Konrad, to Sowell, John B., mesne. Semiconductor wafer transport device. 3,811,825, 5-21-74, Cl. 432-122.000.

Enderlein, Hans Dieter Friedrich Konrad, to Sowell, John B., mesne. Diffusion furnace process tube. 3,811,826, 5-21-74, Cl. 432-200.000.

Enders, Edgar: *See*—
Wollweber, Hartmund; Enders, Edgar; and Stendel, Wilhelm, 3,852,304.

Enders, Edgar; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. Combating animal acarid ectoparasites with 2-phenyliminopyrrolidines. 3,787,576, 1-22-74, Cl. 424-274.000.

Enders, Edgar; Stendel, Wilhelm; Meier, Jurgen-Dietrich; and Francque, Marc, to Farbenfabriken Bayer Aktiengesellschaft. 2-Aryliminopyrrolidines and their production. 3,821,204, 6-28-74, Cl. 260-240.00f.

Enders, Edgar; Grewe, Ferdinand; and Frohberger, Paul-Ernst, to Bayer Aktiengesellschaft. Dialkylaminophenylhydrazones. 3,833,607, 9-3-74, Cl. 260-326.5fl.

Enders, George E., to NRM Corporation. Apparatus for severing tire ply stock and the like. 3,789,712, 2-5-74, Cl. 83-171.000.

Enders, George E.; and Cantarutti, Armindo, to NRM Corporation. Tire building machine servicer. 3,795,563, 3-5-74, Cl. 156-406.000.

Enders, Henry J. Stop device for left and right hand sliding doors. 3,807,779, 4-30-74, Cl. 292-147.000.

Endersz, Gyorgy Geza, to Telefonaktiebolaget LM Ericsson. Variable wave-guide impedance for measurement and calibration of an active microwave element. 3,828,282, 8-6-74, Cl. 333-22.00r.

Endfield, Cyril. Game pieces. 3,806,128, 4-23-74, Cl. 273-137.00r.

Endicott, Donald L., to McDonnell Douglas Corporation. Shaft seal. 3,830,508, 8-20-74, Cl. 277-142.000.

Endicott Johnson Corporation: *See*—
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Endler, Abraham S., to Apex Chemical Co., Inc. Scorch-resistant water-soluble flame-retardants for cellulose. 3,819,518, 6-25-74, Cl. 252-8.100.

Endo, Gen: *See*—
Kiyono, Hiroshi; Nakashima, Junichi; Fujisaki, Yasuyuki; Ishigaki, Yukio; and Endo, Gen, 3,799,718.

Endo, Hiroyasu: *See*—
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Endo, Ichiro: *See*—
Inoue, Eiichi; Shimizu, Isamu; Endo, Ichiro; and Kobayashi, Hajime, 3,785,820.
Inoue, Eiichi; Shimizu, Isamu; Kobayashi, Hajime; and Endo, Ichiro, 3,825,427.
Matsuno, Hiroshi; Endo, Ichiro; and Suzki, Kiyoshi, 3,839,033.

Endo, Ichiro; and Yamanouchi, Teruo, to Canon Kabushiki Kaisha. Organic photoconductors sensitized by free radical liberators and organometallic compounds. 3,847,607, 11-12-74, Cl. 96-1.600.

Endo, Junji: *See*—
Komatsu, Noboru; Arai, Tohru; Obayashi, Mikio; and Endo, Junji, 3,857,725.
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Endo, Koichi: *See*—
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Endo, Kunio: *See*—
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Wakamatsu, Hisato; and Endo, Kunio, 3,809,029.
Wakamatsu, Hisato; and Endo, Kunio, 3,817,226.
Wakamatsu, Hisato; and Endo, Kunio, 3,832,981.

Endo, Kunio; and Negi, Kunihiko, to Nippondenso Co., Ltd. Supercharge-type fuel injection control system. 3,844,263, 10-29-74, Cl. 123-119.00c.

Endo Laboratories, Inc., mesne: *See*—
Berger, Joel G.; and Teller, Sonia R., 3,829,431.
Blumberg, Harold, 3,790,675.

Endo, Meitaro: *See*—
Fusayama, Takeo; Hayashi, Kenji; Asamizu, Yoshio; Endo, Meitaro; and Shinohara, Yasuo, 3,801,368.

Endo, Shigeru, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Apparatus for severing continuous wire to predetermined length and delivering severed wire to conveyor. 3,857,313, 12-31-74, Cl. 83-277.000.

Endo, Takamasa; and Sugimura, Shojiro, to Mitsui Shipbuilding and Engineering Co. Ltd. Sealing apparatus for gas compressor. 3,795,460, 3-5-74, Cl. 415-175.000.

Endo, Takamasa; and Sugimura, Shojiro. Sealing apparatus for gas compressor. 3,797,963, 3-19-74, Cl. 415-175.000.

Endo, Takashi; and Yamashita, Riichiro, to Mitsubishi Jukogyo Kabushiki Kaisha. Material discriminating device for metallic plates. 3,803,908, 4-16-74, Cl. 73-100.000.

Endo, Takaya: *See*—
Inoue, Isaburo; Hanzawa, Teruo; Endo, Takaya; and Deguchi, Hidetaka, 3,832,386.
Iwama, Masakuni; Yamamoto, Toshihiko; Inoue, Isaburo; Hanzawa, Teruo; and Endo, Takaya, 3,785,828.
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Matsuo, Shunji; Sato, Shui; Endo, Takaya; Kasai, Keiji; and Inoue, Izaburo, 3,808,945.

Endo, Takeyuki; Yokozawa, Norio; Watanabe, Shigeru; and Okada, Kunihiro, to Hitachi, Ltd. Hybrid computing system of automatic connection type. 3,795,798, 3-5-74, Cl. 235-150.500.

Endo, Takuya, to Nissan Motor Company, Limited. Liquid contact tilt inertial switch with movable metallic conductive means responsive to acceleration and deceleration forces. 3,836,739, 9-17-74, Cl. 200-61.470.

Endo, Tatus: *See*—
Sato, Ryozi; Chino, Yasuyoshi; and Endo, Tatus, 3,818,079.

Endo, Tetsuhiko; Aoba, Toshio; Morishita, Shozo; Egami, Katsusuke; and Hagihara, Shingo. Automatic doffing apparatus for textile machine having one or more winding units. 3,820,730, 6-28-74, Cl. 242-35.50r.

Endo, Tomio: *See*—
Mihara, Shigetoshi; Inaba, Yanosuke; Tachibana, Koichi; Endo, Tomio; and Yasui, Eiichiro, 3,852,504.

Endo, Tsunehiko. Apparatus for producing sputtered films. 3,822,200, 7-2-74, Cl. 204-298.000.

Endou, Hirohide; Kawasaki, Jun; Fujimoto, Yoshiji; Nakane, Keiichi; and Kitazume, Yoshiaki, to Hitachi, Ltd. Multi-dimensional pattern recognition processor. 3,849,760, 11-19-74, Cl. 340-146.30h.

Endou, Koutarou; Yoneyama, Masakazu; Yamamoto, Nobuo; Ojihara, Motohiro; and Nakajima, Yosuke, to Fuji Photo Film Co., Ltd. Light-sensitive photographic material with antistatic layer. 3,811,889, 5-21-74, Cl. 96-67.000.

Endres, Dan D., to Kimberly-Clark Corporation. Prefolded diaper with improved leg fit. 3,848,595, 11-19-74, Cl. 128-284.000.

Endres, Dan D., to Kimberly-Clark Corporation. Prefolded disposable diaper. 3,848,597, 11-19-74, Cl. 128-287.000.

Endres, Leland S.; Gehlhoff, Leo F.; and Zimmerman, Dallas D., to Minnesota Mining and Manufacturing Company. Aldehyde condensation products of fluoroaliphatic phenols in skin protective compositions. 3,823,230, 7-9-74, Cl. 424-82.000.

Endres, Leland S.; Gehlhoff, Leo F.; and Zimmerman, Dallas D. Aldehyde condensation products of fluoroaliphatic phenols. 3,832,409, 8-27-74, Cl. 260-619.00a.

Endres, Wilhelm, to Aktiengesellschaft Brown, Boveri & Cie. Gas turbine bucket. 3,790,303, 2-5-74, Cl. 416-241.000.

Endress, James W.: *See*—
Kerschbaumer, Hans Gerhard; and Endress, James W., 3,827,250.

Endress, James W., to Carrier Corporation. Refrigeration apparatus including motor cooling means. 3,838,581, 10-1-74, Cl. 62-468.000.

Endriss, Gerhard; Libossek, Heinz; and Farzaneh, Abbas, to Isar-Rakoll Chemie GmbH. Polyurethane adhesive and method for adhering natural and synthetic rubber to other surfaces. 3,806,486, 4-23-74, Cl. 260-31.20n.

Endros, Ludwig; Malitschek, Otto; and Strassberger, Werner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Storable water-clear bright-drying emulsions containing waxes. 3,793,243, 2-19-74, Cl. 260-28.50r.

Endter, Dale S.: *See*—
Dunning, Walter B.; Endter, Dale S.; McDonald, William G.; and Rissberger, Arthur C., Jr., 3,810,229.

Endter, Dale S.; Miller, Edwin E.; and Westacott, Harry L., to Eastman Kodak Company. Vibration isolation arrangement for aperture card photographic copying machine. 3,797,932, 3-19-74, Cl. 355-18.000.

Endter, Dale S.; and Miller, Edwin E., to Eastman Kodak Company. Apparatus for drying a photographic material. 3,811,201, 5-21-74, Cl. 34-54.000.

Endter, Dale S.; Miller, Edwin E.; and Shute, Charles F., to Eastman Kodak Company. Card loading mechanism for a photographic copying machine. 3,822,024, 7-2-74, Cl. 214-8.50d.

Endter, Dale S.; and Miller, Edwin E., to Eastman Kodak Company. Alignment station for aperture card photographic copying machine. 3,837,637, 9-24-74, Cl. 271-11.000.

Endtinger, Fritz; Zweifel, Walter; and Schneeberger, Fritz, to Swiss Aluminium Ltd. Method of electrolytic coloring of oxide layers on aluminum and aluminum base alloys. 3,787,295, 1-22-74, Cl. 204-35.00n.

Enebo, Lennart Eugen: *See*—
Mogren, Hakan Lars; Hedenskog, Gudmund Oscar; and Enebo, Lennart Eugen, 3,848,812.

Enei, Hitoshi: *See*—
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Okumura, Shinji; Takeshita, Shito; Enei, Hitoshi; and Ninagawa, Sadayoshi, 3,846,573.

Enei, Hitoshi; Nakazawa, Hidetsugu; Matsui, Hiroshi; Okumura, Shinji; and Yamada, Hideaki, to Ajinomoto Co., Inc. Biological method of producing tryptophan and 5-substituted tryptophans. 3,808,101, 4-30-74, Cl. 195-29.000.

Enekes, Sandor: *See*—
Giflo, Henrik; Enekes, Sandor; Zambo, Pal; Sziklavari, Janos; Farkas, Istvan; Ivan, Geza; Molnar, Jozsef; and Vamosi, Jozsef, 3,809,550.
Giflo, Henrik; Enekes, Sandor; Zambo, Pal; Sziklavari, Janos; Farkas, Istvan; Ivan, Geza; Molnar, Jozsef; Vamosi, Jozsef; and Valko, Janos, 3,833,360.
Giflo, Henrik; Enekes, Sandor; Zambo, Pal; and Vamosi, Jozsef, 3,841,866.

Enenkel, Anton: *See*—
Ebner, Heinrich; and Enenkel, Anton, 3,813,086.

Enercon Corporation International: *See*—
Stephenson, Robert A.; and Zoch, Robert M., Jr., 3,790,139.

Enercon Corporation, The: *See*—
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Energetics Science, Inc.: *See*—
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Oswin, Harry G.; and Blurton, Keith F., 3,824,168.

Energiagazdalkodasi Intezet: *See*—
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Energy Conversion Devices, Inc.: *See*—
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Fritzsche, Hellmut; Ovshinsky, Stanford R.; Shaw, Robert F.; Silver, Marvin; and Smejtek , Pavel, 3,823,331.
Hrzek, Bohuslav A., 3,801,365.
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Porter, David Frederick; and Redfearn, Derek Page, 3,840,404.

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Energy Development Associates, mesne: *See*—
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Energy Research Corporation: *See*—
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Nablo, Samuel V., 3,833,814.
Quintal, Bertram S.; and Maynard, Derek J., 3,848,153.

Enerson, Donald W.; and Warfield, Glenn R., to Dana Corporation. Frequency synthesizer having frequency control loop with keyed fixed frequency oscillator. 3,849,736, 11-19-74, Cl. 331-1.00a.

Enfield Industrial Engines Limited: *See*—
Nossiter, Clarence Frank, 3,826,219.

Enfield, Norman W. Insulation board fabricated from refuse. 3,819,456, 6-25-74, Cl. 161-7.000.

Enfonde, John J.: *See*—
Gnage, Oliver W.; and Enfonde, John J., 3,827,588.

Engalitcheff, John, Jr.; Facius, Thomas F.; Bradley, Wilson E., Jr.; and Anderson, Axel F. L., to Baltimore Aircoil Company, Inc., mesne. Evaporative heat exchange apparatus. 3,784,171, 1-8-74, Cl. 261-29.000.

Engalitcheff, John, Jr., to Baltimore Aircoil Company, Inc. Injector type evaporative heat exchanger. 3,785,625, 1-15-74, Cl. 261-29.000.

Engalitcheff, John, Jr., to Baltimore Aircoil Company, Inc., mesne. Injector type cooling tower. 3,794,306, 2-26-74, Cl. 261-116.000.

Engalitcheff, John, Jr., to Baltimore Aircoil Company, Inc. Injector type indirect evaporative condensers. 3,800,553, 4-2-74, Cl. 62-310.000.

Engalitcheff, John, Jr.; Facius, Thomas F.; and Bradley, Wilson E., Jr., to Baltimore Aircoil Company, Inc., mesne. Wet deck fill section. 3,804,389, 4-16-74, Cl. 261-111.000.

Engalitcheff, John, Jr.; Bradley, Wilson E., Jr.; and Schinner, Edward N., to Baltimore Aircoil Company, Inc. Injector type cooling tower. 3,807,145, 4-30-74, Cl. 55-257.000.

Engdahl, Jean, to Societe Suisse pour l'Industrie Horlogere Management. Method of making a quartz bar resonator. 3,857,146, 12-31-74, Cl. 29-25.350.

Engdahl, Paul D.: *See*—
Engdahl, Paul D.; and Russell, A. Wallace (said Russell assor. to said), 3,795,006.

Engdahl, Paul D.; and Russell, A. Wallace, said Russell assor. to said Engdahl, Paul D. Seismic shock recorder and annunciator system. 3,795,006, 2-26-74, Cl. 346-7.000.

Engdahl, Rodney A.: *See*—
Barney, Harry E., Jr.; and Engdahl, Rodney A., 3,815,490.

Engdahl, Rodney A.; and Barney, Harry E., Jr., to FMC Corporation. Multi-pass cooker. 3,805,949, 4-23-74, Cl. 198-211.000.

Enge, Willi: *See*—
Harings, Horst, 3,845,750.

Engebretsen, Einar O.: *See*—
Schuerman, Victor F.; and Engebretsen, Einar O., 3,805,084.

Engebretsen, Einar O., to Hobart, Manufacturing Company, The. Compactor. 3,807,295, 4-30-74, Cl. 100-53.000.

Engebretsen, Einar O., to Hobart Manufacturing Company, The. Trash compactor with removable liner. 3,807,299, 4-30-74, Cl. 100-218.000.

Engebretsen, Einar O.; and Schuerman, Victor F., to Hobart Manufacturing Company, The. Compactor interlock control. 3,808,453, 4-30-74, Cl. 307-112.000.

Engebretsen, Einar O., to Hobart Manufacturing Company, The. Compactor compartment arrangement. 3,841,214, 10-15-74, Cl. 100-215.000.

Engebretsen, Einar O., to Hobart Manufacturing Company, The. Compactor with yieldable receptacle. 3,851,578, 12-3-74, Cl. 100-229.00a.

Engebretsen, Einar O., to Hobart Manufacturing Company, The. Compactor with fixed compaction chamber and movable plate member. 3,853,052, 12-10-74, Cl. 100-229.00a.

Engedal, Knud: *See*—
Landa, Torstein; Johannsson, Paul; and Engedal, Knud, 3,787,156.

Engel, Albertus J. G.: *See*—
Versteeg, Geert; and Engel, Albertus J. G., 3,784,677.

Engel, Erland Christoffer, to Smidth, F. L., & Co. Pre-heating apparatus in rotary kiln plant. 3,836,323, 9-17-74, Cl. 432-106.000.

Engel, Ernst. Ski pants. 3,839,739, 10-8-74, Cl. 2-232.000.

Engel, F. William; Engel, Robert S.; Derbes, Gerald J.; and Dusseau, M. Walter. Portable radio/tape recorder charging and locking system. 3,824,472, 7-16-74, Cl. 325-355.000.

Engel, Frederico: *See*—
Maass, Gunter; Engel, Frederico; Bernemann, Paul; and Blumel, Harald, 3,849,363.

Engel, Henry L.; Helton, Eugene L.; and Kaarlela, Willard O., to Caterpillar Tractor Company. Bi-metal ripper tip for digging teeth. 3,805,423, 4-23-74, Cl. 37-142.00r.

Engel, Ignaz, to Friedmann, Alex, Kommanditgesellschaft. Air-conditioning system for vehicles, particularly for rail cars. 3,807,490, 4-30-74, Cl. 165-23.000.

Engel Industries, Inc.: *See*—
McClain, Lamont R., 3,815,398.

Engel, James F.: *See*—
Chappelow, Cecil C., Jr.; and Engel, James F., 3,825,585.

Engel, Joachim H., to General Motors Corporation. Fuel line position-responsive shut-off valve. 3,807,423, 4-30-74, Cl. 137-38.000.

Engel, Joachim H., to General Motors Corporation. Low coolant indicator. 3,845,464, 10-29-74, Cl. 340-59.000.

Engel, Joseph C.; Elms, Robert T.; and Misencik, John J., to Westinghouse Electric Corporation. Sensing amplifier and trip circuit particularly for ground fault circuit interrupter. 3,852,642, 12-3-74, Cl. 317-18.00d.

Engel, Phillip Knox: *See*—
Serban, Alexander; and Engel, Phillip Knox, 3,816,473.
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Engel, Robert S.: *See*—
Engel, F. William; Engel, Robert S.; Derbes, Gerald J.; and Dusseau, M. Walter, 3,824,472.

Engel, Walter, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Method for securing a projectile in a sabot. 3,837,057, 9-24-74, Cl. 29-1.200.

Engel, Walter H., to Porosan Interests, U.S.A., Inc. Imperforate dispenser for dispensing volatile matter as gas and/or vapor to a surrounding atmosphere and method for forming same. 3,815,828, 6-11-74, Cl. 239-56.000.

Engel, Walter H., to Porosan Interests, U.S.A., Inc. Method of producing a volatilizing article of manufacture. 3,819,405, 6-25-74, Cl. 117-138.8ua.

Engel, Wolfhard: *See*—
Seeger, Ernst; Engel, Wolfhard; Teufel, Helmut; and Engelhardt, Gunther, 3,801,654.
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Engelage, Guenter: *See*—
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Engelbart, Wilhelm, to Hoffman Rheem Maschinen GmbH. Hand operated steaming and ironing device. 3,793,753, 2-26-74, Cl. 38-77.600.

Engelbrecht, Eduard. Method and apparatus for delivering a predetermined volume of a liquid. 3,811,484, 5-21-74, Cl. 141-7.000.

Engelbrecht, Orest: *See*—
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Engeler, Paul: *See*—
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Engeler, Paul, to SIG Schweizerische Industrie-Gesellschaft. Device for feeding wrappers in a packaging machine. 3,841,057, 10-15-74, Cl. 53-389.000.

Engeler, William E.; and Garfinkel, Marvin, to General Electric Company. Method and device for storing information and providing an electric readout. 3,786,441, 1-15-74, Cl. 340-173.rls.

Engeler, William E.; and Cordes, Linus F. Method for making high temperature low ohmic contact to silicon. 3,794,516, 2-26-74, Cl. 117-217.000.

Engeler, William E.; and Tiemann, Jerome J., to General Electric Company. Method and apparatus for storing and transferring information. 3,795,847, 3-5-74, Cl. 317-235.00r.

Engeler, William E., to General Electric Company. Variable capacitance semiconductor devices. 3,808,472, 4-30-74, Cl. 317-234.00r.

Engelfried, Werner, to Terrot, C., & Soehne. Jack and needle actuator for a circular knitting machine. 3,812,691, 5-28-74, Cl. 66-50.00r.

Engelhard, Dieter; Hofmann, Hermann; Schaff, Ulrich; and Kaiser, Walter, to Siemens Aktiengesellschaft. Print for control modules of contact-free control and regulating systems. 3,832,602, 8-27-74, Cl. 317-101.00r.

Engelhard, Helmut; Blankenstein, Gunter; and Reinehr, Ulrich, to Bayer Aktiengesellschaft. Permanently antistatic acrylonitrile polymers containing a mercapto polyether. 3,848,028, 11-12-74, Cl. 260-898.000.

Engelhard Minerals & Chemicals Corporation: *See*—
Burns, Robert A., 3,795,650.
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Engelhard, Philippe; and Weisang, Joseph Edouard, to Compagnie Francaise de Raffinage. Method of regulating the halogen content of hydrocarbon conversion catalysts. 3,852,217, 12-3-74, Cl. 252-442.000.

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Engelhardt, Edward L.; and Christy, Marcia E., to Merck & Co., Inc. Chemical compounds and processes for preparing same. 3,812,177, 5-21-74, Cl. 260-501.210.

Engelhardt, Eugene W. Tethered flying disc. 3,802,117, 4-9-74, Cl. 46-61.000.

Engelhardt, Friedrich: *See*—
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Engelhardt, John Nicol; and Rousseau, Roy Settle, to Kartridg Pak Co., The. Separating meat from bones. 3,841,569, 10-15-74, Cl. 241-4.000.

Engelhart, Donald Spencer; and Engelhart, Ned Henry. Method of and means for flash drying naturally occurring oilseeds. 3,812,585, 5-28-74, Cl. 34-10.000.

Engelhart, Donald Spencer; and Engelhart, Ned Henry. Method of and means for flash drying naturally occurring oilseeds. 3,812,595, 5-28-74, Cl. 34-10.000.

Engelhart, John E., to Esso Research and Engineering Company. Malononitrile oxime derivatives as fungicidal agents. 3,787,579, 1-22-74, Cl. 424-301.000.

Engelhart, John M.; and Morrish, William P., to Quality Pool Supply Co. Swimming pool coping. 3,835,481, 9-17-74, Cl. 4-172.210.

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Engeli, Federico, to Technical Arco Establishment. Mechanical-pyric device utilizable in the type of anti-man mines with a wide action range and gushing out from the ground. 3,831,521, 8-27-74, Cl. 102-8.000.

Engelke, Roger P.; and Zille, Marvin H., to Barber-Colman Company. Self-powered variable volume air damper control. 3,809,314, 5-7-74, Cl. 236-49.000.

Engelke, Wilhelm; and Purr, Gerhard, to Kraftwerk Union Aktiengesellschaft. Steam turbine installation. 3,808,819, 5-7-74, Cl. 60-690.000.

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Engelmann, Manfred; Gordon, Wolfgang; and Rust, Kurt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the polymerization of alpha-olefins. 3,795,662, 3-5-74, Cl. 260-87.0bb.

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Engels, Heinrich, to Siemens Aktiengesellschaft. Ring canal blower. 3,788,766, 1-29-74, Cl. 415-531.000.

Engels, Walter, to Deering Milliken Corporation and Deering Milliken Research Corporation. 3,839,769, 10-8-74, Cl. 28-1.0cl.

Engelsberger, Herbert, to Feldmuhle Anlagen- und Produktionsgesellschaft, mit beschrankter Haftung. Vacuum tight plastic sheet envelope. 3,854,653, 12-17-74, Cl. 229-51.00r.

Engelsher, Harvey J., to Horizon Industries, Ltd. Tube servicing device. 3,847,370, 11-12-74, Cl. 251-6.000.

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Engelsmann, Dieter; Wagensonner, Eduard; Rieder, Alois; and Von Fischern, Bernhard, to Agfa-Gevaert Aktiengesellschaft. Exposure indicator for a photographic camera. 3,812,503, 5-21-74, Cl. 354-60.000.

Engelsmann, Dieter; Maas, Dieter; and Schroder, Rolf, to Agfa-Gevaert Aktiengesellschaft. Film transporting mechanism for photographic camera. 3,825,939, 7-23-74, Cl. 354-213.000.

Engelson, David. Apparatus for making beaded belts. 3,854,187, 12-17-74, Cl. 29-208.00d.

Engelstatter, Heinz, to Braun Aktiengesellschaft. Electronic flash unit with automatic flash termination of increased reliability. 3,809,954, 5-7-74, Cl. 315-241.000.

Engelstatter, Heinz; and Mahlich, Gotthard Christoph, to Braun Aktiengesellschaft. Method and arrangement for initiating a flash in an electronic flash unit having automatic exposure control. 3,833,834, 9-3-74, Cl. 315-241.00p.

Engeman, Joseph P.: *See*—
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Enger, Michael H.: *See*—
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Enger, Thomas A.; Evans, Charles W., Jr.; and Johnson, Lance H., to International Business Machines Corporation. Microprogram control subsystem. 3,800,293, 3-26-74, Cl. 340-172.500.

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Engert, Fred O., to Chance, A. B., Company. Detachable bushing. 3,790,698, 2-5-74, Cl. 174-152.00r.

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Engesa-Engenheiros Especializados S.A.: *See*—
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Engineered Products: *See*—
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Engineering Components Limited: *See*—
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Herrington, Maurice Gerald, 3,806,138.

Engineering Concrete Placer, Inc.: *See*—
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Engineering Corporation of America: *See*—
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Engineering Technology Analysts, Inc.: *See*—
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Engis Corproation: *See*—
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England, Alfred W., to Xerox Corporation. Computer input-output system. 3,810,105, 5-7-74, Cl. 340-172.500.

England, David C., to Du Pont de Nemours, E. I., and Company. Perfluoromethylpropionylketene. 3,825,599, 7-23-74, Cl. 260-585.500.

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Engle, Thomas, to General Signal Corporation. Brake system for a light rail vehicle. 3,845,991, 11-5-74, Cl. 303-3.000.

Engle, Thomas H., to General Signal Corporation. Hydraulic power brake system. 3,833,095, 9-3-74, Cl. 188-71.900.

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Englert, Robert D.; Berriman, Lester P.; and Rendall, John L., to Korater, Inc. Semi-permeable membrane. 3,837,900, 9-24-74, Cl. 117-93.1dh.

Englert, Robert D.; and Berriman, Lester P., to Koratron Company, Inc. Process of curing chemically treated cellulosic fabric. 3,846,845, 11-12-74, Cl. 2-243.00r.

Englert, Werner: *See*—
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Engles, Hans Michael. Load-bearing hook. 3,854,689, 12-17-74, Cl. 248-340.000.

Englisch, Adolf. Method for removing the burr of chain-links. 3,818,694, 6-25-74, Cl. 59-29.000.

English Calico Limited: *See*—
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English, Christopher Durrant; Fuller, Brian Robert; Bone, Geoffrey Edward; Bishop, Peter Douglas; and Birchnall, Eric James, to Tracked Hovercraft Limited. Tracked vehicle and suspension system. 3,800,708, 4-2-74, Cl. 104-148.0lm.

English, Christopher John, to Noranda Mines, Limited. Method for continuous casting of metal strips. 3,797,555, 3-19-74, Cl. 164-89.000.

English Clays Lovering Pochin & Company, Limited: *See*—
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English, Jackson Pollard; and Berkelhammer, Gerald, to American Cyanamid Company. N-(2,2-Diloweralkoxyalkyl)-2,2-diloweralkoxylower-alkanamidines and their acid addition salts. 3,812,189, 5-21-74, Cl. 260-564.00r.

English, James William, to Atmos Corporation. Power control device with heat transfer means. 3,798,506, 3-19-74, Cl. 317-100.000.

English, Keith William; and Filmer, John Reginald. Boat hulls. 3,807,337, 4-30-74, Cl. 114-56.000.

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English, Myrle H.; Goodstal, Laurence; Leek, Wayne E.; Sanzo, Robert J.; Turner, Robert L.; Workman, Clark B.; and Yetter, Edward W., to Remington Arms Company, Inc. Numerically controlled engraving machine system. 3,827,334, 8-6-74, Cl. 90-34.000.

English, Myrle H.; Goodstal, Laurence; Leek, Wayne E.; Sanzo, Robert J.; Turner, Robert L.; Workman, Clark B.; and Yetter, Edward W., to Remington Arms Company, Inc. Numerically controlled engraving machine system. 3,857,025, 12-24-74, Cl. 235-151.110.

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English, Ray H., to Blaw-Knox Company. Low creep high strength ferrous alloy. 3,856,516, 12-24-74, Cl. 75-128.00w.

English, Richard A.: *See*—
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English, Richard B.; and Benson, Rudolph T., Jr., to Armstrong Cork Company. Slitting machine. 3,851,552, 12-3-74, Cl. 83-9.000.

English, Vergil R. Dental hygiene device. 3,840,992, 10-15-74, Cl. 32-40.00r.

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Englund, Hakan; Eriksson, Ronny; and Nilsson, Bengt, to Allmanna Svenska Elektriska Aktiebolaget. Means for taking samples out of a reaction vessel containing alkaline liquid under pressure. 3,812,721, 5-28-74, Cl. 73-422.00r.

Englund, John Sven, to Hugin Kassaregister AB. Position selecting device. 3,858,035, 12-31-74, Cl. 235-156.000.

Engman, Gerald, to Emco Industries, Inc. Article of furniture. 3,783,801, 1-8-74, Cl. 108-60.000.

Engquist, Jan-Eric, to Forenade Fabriksverken. Washing device. 3,783,473, 1-8-74, Cl. 15-322.000.

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Engstrom, Keith A., to Illinois Tool Works Inc. Solid state switch structure. 3,825,908, 7-23-74, Cl. 340-174.0pm.

Engstrom, Keith A.; Bernin, Victor M.; and Bury, George J., to Illinois Tool Works Inc. Solid state switch structure. 3,825,909, 7-23-74, Cl. 340-174.0pm.

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Enjolras, Christian; Gautier, Pierre; and Billy, Emile, to Etablissements J. J. Carnaud & Forges de Basse-Indre. Method of securing a pull ring to an easy opening can end. 3,781,972, 1-1-74, Cl. 29-509.000.

Enjolras, Christian; Gautier, Pierre; and Billy, Emile, to Etablissements J. J. Carnaud & Forges de Basse-Indre. Easy opening end. 3,826,403, 7-30-74, Cl. 220-54.000.

Enjymic Malt Company Limited, The: *See—*
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Enkner, Bernhard, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft. Scrap charging machine for converters. 3,827,583, 8-6-74, Cl. 214-18.0sc.

Enloe, Kenneth M.; and Gresham, James T., to Kimberly-Clark Corporation. Disposable tissue with controlled wet break-up. 3,798,120, 3-19-74, Cl. 162-112.000.

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Ennemoser, Joseph O. Vehicle wheel stud drill. 3,810,710, 5-14-74, Cl. 408-111.000.

Ennis, George Thomas. Vehicle overhead washing apparatus. 3,816,869, 6-18-74, Cl. 15-21.00d.

Ennis, Joseph C.; and Winn, Ray, to Development Associates. Navigation aid. 3,836,961, 9-17-74, Cl. 343-6.0tv.

Ennis, Thomas E., to GTE Automatic Electric Laboratories, Incorporated. Film switching system for mutually isolated circuits. 3,790,813, 2-5-74, Cl. 307-115.000.

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Enns, Mark K.; and Haley, Paul H., to Westinghouse Electric Corporation. Loadflow computer and DC circuit modules employed therein for simulating AC electric power networks. 3,808,409, 4-30-74, Cl. 235-151.210.

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Eno, Frederick L., to United States of America, Navy. Raster display generator. 3,831,055, 8-20-74, Cl. 315-27.0td.

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Tanaka, Susumu; Enoguchi, Yuji; and Fujiwara, Takao, 3,827,801.
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Enokida, Shizuo: *See—*
Morikawa, Eiji; Kodama, Kenkichi; Tanaka, Tokuji; Fukatsu, Hisayoshi; and Enokida, Shizuo, 3,830,938.

Enoksson, Bertil, to Nitro Nobel AB. Electrified fence. 3,807,698, 4-30-74, Cl. 256-10.000.

Enomoto, Koji, to Nissan Motor Company, Limited. Hydraulic shift valve for an automotive automatic power transmission. 3,785,614, 1-15-74, Cl. 251-63.000.

Enomoto, Koji; Ohtsuka, Kunio; and Ishimaru, Wataru, to Nissan Motor Company, Limited. Fluid pressure governor valve. 3,789,863, 2-5-74, Cl. 137-54.000.

Enomoto, Koji, to Nissan Motor Company, Limited. Timing valve for an automatic power transmission. 3,792,763, 2-19-74, Cl. 192-.075.

Enomoto, Satoru; and Takahashi, Masaaki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for treating by-product oils produced in the production of olefins. 3,794,579, 2-26-74, Cl. 208-40.000.

Enomoto, Shigeru: *See—*
Saito, Teruo; Ide, Susumu; Yasuda, Tooru; and Enomoto, Shigeru, 3,798,362.

Enomoto, Shuhji: *See—*
Shinomiya, Takeshi; Tarui, Yoshio; and Enomoto, Shuhji, 3,835,064.

Enomoto, Tatsuya; and Morita, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 3,819,952, 6-25-74, Cl. 307-202.000.

Enomoto, Yuya, to Kurashiki Rayon Co., Ltd. Process for impregnating webs with polymer solutions. 3,843,389, 10-22-74, Cl. 117-68.000.

Enos, James H.: *See—*
Mod, William A.; and Enos, James H., 3,849,118.

Enrich: *See—*
Ball, Richard Blatchford, 3,798,812.

Enrich, Carlos William. Apparatus and method for producing seeding containers. 3,807,125, 4-30-74, Cl. 53-28.000.

Enrico, Cesare: *See—*
Actor, Philip Paul; Enrico, Cesare; and Pellerano, Giuseppe, 3,810,984.

Enright, Dorothy P.: *See—*
Perricone, Alphonse C.; Young, Homer F.; Bettge, George W.; and Enright, Dorothy P., 3,843,524.

Enright, James H.; and Wicke, Charles A., to Emerson Electric Co. Compactor. 3,845,707, 11-5-74, Cl. 100-53.000.

Enright, Thomas F.: *See—*
Sharp, William F., Jr.; and Enright, Thomas F., 3,798,010.

Enrini, Ferruccio: *See—*
Vettore, Bruno; Enrini, Ferruccio; and Percali, Tullio, 3,855,627.

Enroth, Erik: *See—*
Bergman, Carl; and Enroth, Erik, 3,821,842.

Ensanian, Minas. Diagnostic electrical scanning. 3,834,374, 9-10-74, Cl. 128-2.10r.

Ensco: *See—*
Belcher, Donald K.; and May, Joe T., 3,803,630.

Enshu Limited: *See—*
Suzuki, Toshiyuki, 3,824,401.

Ensign Electronics, Inc.: *See—*
Forsyth, Eric B., 3,789,352.

Ensinger, William H. Adjustable wrist support for bowling. 3,829,090, 8-13-74, Cl. 273-54.00b.

Ensley, E. Keith; and Scholz, Henry A. Differential microcalorimeter. 3,798,003, 3-19-74, Cl. 23-253.00r.

Ensley, Rufus Neal: *See—*
Duckett, John C.; Gaster, Ivan; and Ensley, Rufus Neal, 3,783,492.

Enslin, Nicholas Charl de Villiers; and Chapman, John Austin Charles, to Time Modulation (Proprietary) Limited. Changing the frequency of a polyphase alternating current supply and apparatus therefor. 3,816,808, 6-11-74, Cl. 321-61.000.

Ensmann, Burt; and Hinz, Henry, to Ideal Toy Corporation. Object-lifting device including means for metering objects from storage station to pickup station. 3,818,628, 6-25-74, Cl. 46-42.000.

Ensminger, Clifford H.; and Ruggiero, Edward M., to Texas Instruments Incorporated. Multi-character electronic display. 3,829,653, 8-13-74, Cl. 219-216.000.

Ensor, Arthur John. Roof structure. 3,798,850, 3-26-74, Cl. 52-80.000.

Ensor, Gordon R.; and Golbert, Peter E., to Monsanto Chemicals Limited. Aromatic resins. 3,839,300, 10-1-74, Cl. 260-78.40n.

Ensor, John W.; and Popodi, Alfred E., to Westinghouse Electric Corporation. Waveform correction for resonant recovery deflection systems. 3,796,911, 3-12-74, Cl. 315-27.0gd.

Ensor, John W.; and Popodi, Alfred E., to Westinghouse Electric Corporation. CRT horizontal deflection circuit. 3,805,110, 4-16-74, Cl. 315-27.00r.

Ensor, Robert T.: *See—*
Leftwich, Richard F.; and Ensor, Robert T., 3,792,275.

Enstrom, Ronald Edward; and Fisher, Dennis Glendon, to United States of America, Air Force. Photocathodes. 3,814,996, 6-4-74, Cl. 357-30.000.

Enterprise Brass Works: *See—*
Nelson, Lowell F., 3,811,456.

Enterprise Development Corporation: *See—*
Kopernak, Rudy L., 3,822,035.

Enterprise Machine and Development Corporation: *See—*
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Kampe, Marcis M., 3,821,094.
Kampe, Marcis M., 3,849,325.
Mallico, Charles D., 3,791,986.

Entner, Ronald S. Programmable electromagnetic logic. 3,794,988, 2-26-74, Cl. 340-174.0tf.

Entreprise de Recherches d'Activites Petrolieres Elf: *See—*
Trocqueme, Francois Jean, 3,828,262.

Entreprise de Recherches et d'Activites Petrolieres: *See—*
Haemmerly, Bernard; Sillion, Bernard; and De Gaudemaris, Gabriel, 3,804,852.

Entreprise de Recherches et d'Activites Petrolieres (ELF): *See—*
Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, 3,828,574.
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Gilles, Roger; and Nougarede, Francis, 3,790,993.
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Husson, Bernard, 3,843,952.
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Mourlevat, Jean, 3,845,819.
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Entreprise d'Equipement Mecaniques & Hydrauliques E.M.H.: *See—*
Vilain, Robert, 3,841,249.

Entshev, Ivan Dimitrov; Kinchev, Nikola Tsanov; Haralampiev, Gueorgui Alexandrov; Alexandrov, Alexander Minchev; Smilenov, Todor Ivanov; and Stojanvo, Jossif Genchev, to NIIZM. Electrolytic process of extracting metallic zinc. 3,799,850, 3-26-74, Cl. 204-19.000.

Entus, Richard D.: *See—*
McClain, Stephen A.; Doman, Harvey A.; and Entus, Richard D., 3,813,837.

Entwisle, John Hubert: *See—*
Cairns, John Francis; Colchester, John Edward; and Entwisle, John Hubert, 3,828,058.

Enviro-Gro, Inc.: *See—*
Meyers, Edward F., 3,846,954.

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Enviro/Tech Sciences, Inc.: *See—*
Stern, Sidney Charles; Eldridge, Ralph Gray; Johnson, John Clark; and Beaver, David Karl, 3,824,454.

Enviromental Devices Corporation: *See—*
Brainard, Edward C., II, 3,807,860.

Environeering, Inc.: *See—*
Ekman, Frank O., 3,795,486.
Huppke, Glen P., 3,811,247.
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Environment/One Corporation: *See—*
Farrell, R. Paul, Jr., 3,844,946.
Farrell, Robert Paul, Jr., 3,841,998.
Grace, Richard C.; and Van Luik, Frank W., Jr., 3,857,517.
La Violette, Fred G., 3,812,370.
Naydan, Theodore T.; and Aker, Walter W., 3,796,463.
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Environmental Control Products, Inc.: *See—*
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Environmental Data Corporation: *See—*
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,819,945.
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Environmental Design, Inc.: *See—*
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Environmental Maintenance Corporation: *See—*
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Environmental Products, Inc.: *See—*
Sowards, Norman K., 3,834,326.

Environmental Research & Technology, Inc.: *See—*
Blau, Henry H., Jr., 3,811,776.

Environmental Research Corporation: *See—*
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Environmental Research Institute of Michigan: *See—*
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Environmental Sciences Associates, Inc.: *See—*
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Environmental Sciences, Inc.: *See—*
Conner, Jessee R.; and Polosky, Ronald J., 3,841,102.

Environmental Systems Corporation: *See—*
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Environmental Technology Corporation: *See—*
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Envirotech Corporation: *See—*
Davis, Steven S., 3,825,124.
Davis, Steven S., 3,836,006.
Di Gregorio, David; and Shell, Gerald Lynwood, 3,814,396.
Hoon, Harry E., Jr., 3,823,924.
Hoon, Harry E., Jr., 3,832,832.
Huster, Edward, deceased; Janchus, Robert M.; Davis, Steven S.; Davis, Kent L.; and Hawkes, Ralph O., 3,800,953.
Jamiol, Edward R., 3,839,850.
Marks, Robert Elliott, 3,816,239.
McCay, Frank V., Jr., 3,797,614.
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Solum, Dallas H., 3,782,555.
Zuckerman, Mathew M.; and Molof, Alan H., 3,794,581.

Envirotech Corporation, mesne: *See—*
Marks, Robert E., 3,817,824.

Envirotrol, Inc.: *See—*
Tobias, George S., 3,823,010.

Enz, Ulrich Ernst; and DeJonge, Frederik Ate, to U.S. Philips Corporation. Device for the magnetic storage of data. 3,793,639, 2-19-74, Cl. 346-74.00m.

Enz, Ulrich Ernst, to U.S. Philips Corporation. Magnetisable material for detecting or recording electromagnetic radiation. 3,838,907, 10-1-74, Cl. 350-151.000.

Enzie, William H.; Vanasse, Norman A.; Tracy, Gerald T.; and Easton, H. T., to General Foods Corporation. Closure for metal container. 3,805,993, 4-23-74, Cl. 220-60.00r.

Enzie, William Howard; Vanasse, Norman Alfred; Tracy, Gerald Thomas; and Easton, Harry Thomas, to General Foods Corporation. Coffee package. 3,821,427, 6-28-74, Cl. 426-131.000.

Enzinger-Union-Werke A.G.: *See—*
Wickenhauser, George, 3,802,471.

Eocom Corporation: *See—*
Carson, John C., 3,852,714.

Eorward, Carrel M.: *See—*
Solomon, William H.; Davies, John R.; and Eorward, Carrel M., 3,783,058.

Epelbaum, Quido C. Adapter for convertible car seat and stroller. 3,829,113, 8-13-74, Cl. 280-30.000.

Epicure Products, Inc.: *See—*
Burhoe, Winslow N., 3,815,707.

Epifanov, Valery Sergeevich: *See—*
Feldshtein, Isaak Yakovlevich; Epifanov, Valery Sergeevich; Tsygankov, Vladimir Fedorovich; Pashkov, Alexandr Nikitovich; Mogilny, Dmitry Gavrilovich; and Yakovlev, Mikhail Vasilievich, 3,785,032.

Epis, James J.; and Kuo, Samuel Chung-Shu, to GTE Sylvania Incorporated. Broadband high frequency balun. 3,786,372, 1-15-74, Cl. 333-26.000.

Epis, James J.; and Robles, F. Ernest, to GTE Sylvania Incorporated. Partial-radial-line antenna. 3,831,176, 8-20-74, Cl. 343-756.000.

Epis, James J., to GTE Sylvania Incorporated. Broadband quarter-wave plate assembly. 3,857,112, 12-24-74, Cl. 333-21.00a.

Epley, Lee R., to Construction Plastics, Incorporated. Apparatus for attaching liner material to a base sheet. 3,795,566, 3-5-74, Cl. 156-58.000.

Epoch Company, Ltd.: *See—*
Matsumoto, Peruo, 3,798,639.

Epoxon Corporation: *See—*
Donnelly, James H., 3,798,191.

Eppensteiner, Frederick Walter, to M & T Chemicals Inc. Nickel etch composition. 3,804,768, 4-16-74, Cl. 252-79.400.

Epperlein, Helmut; and Hoscheler, Edgar, to Holzapfel, Christian, K.G. Element for bridging the juncture between adjacent structural components. 3,788,022, 1-29-74, Cl. 52-403.000.

Epperlein, Helmut, to Holzapfel, Christian, K.G. Coupling unit for structural elements. 3,791,096, 2-12-74, Cl. 52-758.00c.

Epperly, Albert D.: *See—*
Awan, Mohemmed M.; and Epperly, Albert D., 3,840,437.

Epperson, David C.; and Stockdale, Willis L., to Eastman Kodak Company. Method for securing together photographic material and a tab. 3,802,983, 4-9-74, Cl. 156-157.000.

Eppes, William R., to Corning Glass Works. Drying apparatus. 3,818,602, 6-25-74, Cl. 34-14.000.

Eppes, William R., to Corning Glass Works. Reagent storage and dispensing system. 3,836,335, 9-17-74, Cl. 23-259.000.

Epping, Winfried: *See—*
Ridder, Hubert; Epping, Winfried; and Icking, Paul, 3,812,823.

Epple, Donald G., to Nalco Chemical Company. Polymeric flexographic ink. 3,823,110, 7-9-74, Cl. 260-29.70t.

Epple, Richard, to Licentia Patent-Verwaltungs-G.m.b.H. Measuring device for the dynamic measurement of semiconductor parameters and method of making such a device. 3,826,984, 7-30-74, Cl. 324-158.00p.

Eppler, Arthur H. Pressure feed for sand blast abrasive. 3,798,841, 3-26-74, Cl. 51-12.000.

Eppler, John, Machine Works, Inc.: *See—*
Snyderman, Joseph, 3,793,929.

Eppler, Richard Andrew; and O'Conor, Eugene F., to SCM Corporation. Glazed ceramic ware. 3,804,666, 4-16-74, Cl. 117-125.000.

Eppler, Richard Andrew, to SCM Corporation. Composition and process for glazing ceramic ware. 3,840,394, 10-8-74, Cl. 117-125.000.

Eppler, William G., Jr., to Cambridge Research and Development Group, Greenberg, Sanford D. and DT Liquidating Partnership. Speech compressor-expander with signal sample zero reset. 3,846,827, 11-5-74, Cl. 360-26.000.

Epps, William A.: *See—*
Wright, Luther M.; and Epps, William A., 3,831,478.

Epps, William R.: *See—*
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Eprad Incorporated: *See—*
Boudouris, Angelo; and Gray, Geoffrey T., 3,827,782.

Eprova Aktiengesellschaft: *See—*
Suter, Hans; Zutter, Hans; and Muller, Hans Rudolf, 3,812,186.

E.P.S. (Research & Development) Limited: *See—*
Boucher, Reginald Comyn, 3,783,766.

Epshtein, David Izrailevich: *See—*
Farberov, Mark Iosifovich; Bobylev, Boris Nikolaevich; and Epshtein, David Izrailevich, 3,845,079.

Epstein, Aaron Meyer. Variable-speed, positive-drive transmission providing output speeds from zero R.P.M. up to full output R.P.M. 3,848,474, 11-19-74, Cl. 74-117.000.

Epstein, Arthur Charles: *See—*
Weiss, Charles O.; and Epstein, Arthur Charles, 3,839,199.

Epstein, Barry D.: *See—*
Birkett, Christopher B.; and Epstein, Barry D., 3,844,661.

Epstein, Barry M., to Action Communication Systems, Inc. Communications processor system having time shared control devices and dialers. 3,818,449, 6-18-74, Cl. 340-147.0cn.

Epstein, David J.; and Bullock, David C., to Massachusetts Institute of Technology. Single and polycrystalline semiconductors. 3,831,154, 8-20-74, Cl. 340-174.0tf.

Epstein, Edward, to Beatrice Foods Co. Preparation of puffed snack food. 3,851,081, 11-26-74, Cl. 426-343.000.

Epstein, Henry David, to Texas Instruments Incorporated. Electro-optical display apparatus for signalling warning of predetermined condition ambient compensated. 3,846,775, 11-5-74, Cl. 340-244.00r.

Epstein, Henry L.: *See—*
Eubanks, Lloyd S.; Eby, Roy T.; Cruse, Carl M.; Epstein, Henry L.; Null, Harold R.; and Rosenberger, Frederick E., 3,845,121.

Epstein, Herman. Medical alarm bracelet. 3,805,427, 4-23-74, Cl. 40-21.00c.

Epstein, Howard C., to Becton Dickinson Electronics Company. Annular, 3mm class-piezoelectric crystal transductor. 3,858,065, 12-31-74, Cl. 310-9.500.

Epstein, Irving. Releasable hook. 3,811,720, 5-21-74, Cl. 294-83.00r.

Epstein, Irving. Apparatus for measuring powder. 3,827,513, 8-6-74, Cl. 177-121.000.

Epstein, Irving. Apparatus for measuring powder. 38,271,513, 8-6-74, Cl. 177-121.000.

Epstein, J. Michael; and Sisson, Robert B. Emergency light apparatus. 3,792,314, 2-12-74, Cl. 307-66.000.

Epstein, James: *See—*
Boyle, Gerard H.; Epstein, James; and Liang, Charles C., 3,841,914.

Epstein, James; and Liang, Charles C., to Mallory, P. R., & Co., Inc. Alkaline dry cell and permanganate cathode therefor. 3,799,959, 3-26-74, Cl. 260-429.00r.

Epstein, Joseph; and Berkowitz, Lewis M., to United States of America, Army. Testing a toxic agent alarm with a nontoxic simulant. 3,844,905, 10-29-74, Cl. 204-1.00t.

Epstein, Joseph William; and Goldman, Leon, to American Cyanamid Company. 7,8,9,10-Tetrahydro-2-methoxy-7-morpholinomethyl-cyclohept [6] indol-6 (5H) one. 3,824,234, 7-16-74, Cl. 260-247.50r.

Epstein, Lewis: *See—*
Baus, Rene, Jr.; and Epstein, Lewis, 3,811,770.

Epstein, Martin F.: *See—*
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Epstein, Martin P.: *See—*
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Epstein, Marvin A., to International Telephone and Telegraph Corporation. Frame synchronization system. 3,798,378, 3-19-74, Cl. 179-15.0bs.

Epstein, Paul: *See—*
Van Horn, Joseph M.; Epstein, Paul; and Phillipps, Patrick G., 3,811,428.

Epstein, Peter F.: *See—*
Baker, Don R.; and Epstein, Peter F., 3,796,802.
Baker, Don R.; and Epstein, Peter F., 3,840,555.
Newallis, Peter E.; Pojf, Albert J.; and Epstein, Peter F., 3,844,761.

Epstein, Peter F.; Caffrey, Joseph R.; and Yu, Pyung Kyung, to Baychem Corporation, mesne. Quaternary thenyl ammonium salts as plant growth control agents. 3,819,357, 6-25-74, Cl. 71-90.000.

Epstein, Peter F., to Chemagro Corporation. Quaternary thenyl phosphonium salts. 3,847,947, 11-12-74, Cl. 260-332.500.

Epstein, Philip L.: *See—*
Wang, Kuei-Send; Epstein, Philip L.; and Lu, John Hsueh Chung, 3,849,764.

Epstein, Philip L., to Quindar Electronics, Inc. Crystal phase-locked loop. 3,835,413, 9-10-74, Cl. 331-1.00a.

Epstein, Roland, to Salamander Aktiengesellschaft. Shoe, especially for aiding children in learning to walk. 3,810,318, 5-14-74, Cl. 36-2.50f.

Epstein, Sheldon L.; and Wessling, Bernard W., to Brunswick Corporation. Electrochemical electrodes. 3,826,686, 7-30-74, Cl. 136-120.00f.

Epsztein, Bernard; and Gosset, Philippe, to Thomson-CSF. Travelling wave tube. 3,803,442, 4-9-74, Cl. 315-3.600.

Epton, John: *See—*
Barker, Sidney Alan; Kennedy, John Frederick; and Epton, John, 3,794,563.
Barker, Sidney Alan; Kennedy, John Frederick; and Epton, John, 3,822,236.

Equalizer Inc.: *See—*
Pulley, Harvey E., 3,802,702.

Equini, Arrigo. System and process for picturing the original appearance of an archaeological finding. 3,817,614, 6-18-74, Cl. 353-121.000.

Equitable Equipment Company, Inc.: *See—*
Kersteter, Ammon W., 3,785,322.

E.R.A. Patents Limited: *See—*
Jackson, Geoffrey N.; Pickard, Robert G.; Brackley, Graham; and Satchell, David W., 3,849,283.

Erard, Raoul Henri, to Les Paquerettes S.A. Moment for a piece of horology. 3,802,183, 4-9-74, Cl. 58-59.000.

Erard, Robert, to Automobiles Peugeot and Regie Nationale des Usines Renault. Rear seat device for a vehicle having multiple uses. 3,807,790, 4-30-74, Cl. 296-66.000.

Erasmus Universiteit: *See—*
Bom, Nicolaas, 3,827,115.

Erath, Herbert: *See—*
Peter, Wolfgang; Erath, Herbert; and Koch, Heinz, 3,840,101.

Erb, Edward R.: *See—*
Bettoli, Phillips S.; and Erb, Edward R., 3,844,814.

Erb, Edward R., to GAF Corporation. Production of spherical polyvinyl chloride particles. 3,856,900, 12-24-74, Cl. 264-9.000.

Erb, Ernst, to Erba Maschinenbau AG. Control device for the needles of a knitting machine. 3,818,728, 6-25-74, Cl. 66-154.00a.

Erb, Georg O. Passing atomized liquid through magnetic field for improved spray washing. 3,837,915, 9-24-74, Cl. 134-1.000.

Erb, George H., to American Velcro, Inc. Apparatus for the manufacture of a separable fastener. 3,801,245, 4-2-74, Cl. 425-174.400.

Erb, Karl Friedrich. Diaphragm safety valve. 3,840,037, 10-8-74, Cl. 137-70.000.

Erb, Robert Allan, to Franklin Institute, The. Method and apparatus for non-surgical, reversible sterilization of females. 3,805,767, 4-23-74, Cl. 128-1.00r.

Erba, Carlo, S.p.A.: *See—*
Ambrogi, Vittorio; Logemann, Willy; Parenti, Marcantonio; and Tommasini, Raffaele, 3,819,633.
Ambrogi, Vittorio; Logemann, Willy; Parenti, Marcantonio; and Tommasini, Raffaele, 3,833,578.
Lauria, Francesco; Vecchietti, Vittorio; Tommasini, Raffaele; and Ceserani, Roberto, 3,793,338.
Melloni, Piero; Metelli, Raffailla; Vecchiette, Vittorio; DeCarneri, Ivo; and Gisella, Monti, 3,855,263.

Erba Maschinenbau AG: *See—*

Erb, Ernst, 3,818,728.

Erban, Richard T. Traction roller transmission with torque loading means. 3,822,610, 7-9-74, Cl. 74-691.000.

Erben, Klaus-Dieter: *See—*
Born, Gunthard; Erben, Klaus-Dieter; and Mohr, Friedbert, 3,829,792.

Erben, Klaus-Dieter; Kroy, Walter; and Mehnert, Walter E., to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Optical holmiumethylsulphate modulator. 3,845,411, 10-29-74, Cl. 332-7.510.

Erbstein, Robert S.: *See—*
Bernstein, Barry E.; Erbstein, Robert S.; and Pazis, Thomas, 3,789,595.

Erbstein, Robert S., to Leesona Corporation. Electronic system distinguishing between good knots and defects in a moving strand. 3,795,906, 3-5-74, Cl. 340-259.000.

Erbstein, Robert S., to Leesona Corporation. Object sensing apparatus. 3,851,168, 11-26-74, Cl. 250-221.000.

Erby, William A.; and Tompkins, James F., to Air Products and Chemicals, Inc. Catalytic production of polyhalo-keto-alkenoic acids. 3,842,126, 10-15-74, Cl. 260-539.00r.

Erchoff, Jean-Paul, to GAF Corporation. Slide tray indexing mechanism for slide projectors and the like. 3,827,796, 8-6-74, Cl. 353-116.000.

Erck, Karl: *See—*
Adler, Jurgen; Erck, Karl; Klebba, Horst; Kramer, Wolfgang; Maneck, Ernst; Mueller-Eckhardt, Hans; and Schwenk, Kurt, 3,783,568.
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Hildebrandt, Christian; and Erck, Karl, 3,837,130.

ERCO Industries Limited: *See—*
Cowley, Gerald, 3,854,901.
Rapson, William H., 3,793,439.
Rapson, William Howard, 3,789,108.
Upatnieks, Guntars I.; and Cowley, Gerald, 3,854,900.
Winfield, John D., 3,829,557.

Erco-Leuchten K.G., Firma: *See—*
Seelbach, Heinz; and Eversberg, Gerhard, 3,783,203.

Ercoli, Alberto; and Gardi, Rinaldo, to Warner-Lambert Company. 17-Propionate, 21-ester derivatives of 6α,9α-difluoroprednisolone, compositions and use. 3,784,692, 1-8-74, Cl. 424-243.000.

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Erdell, John Buckland. Method for obtaining photographic reproductions in color. 3,835,781, 9-17-74, Cl. 101-464.000.

Erdkonig, Andreas, to Vockenhuber, Karl and Hauser, Raimund. Film-handling apparatus. 3,807,844, 4-30-74, Cl. 352-157.000.

Erdman, Donald C.: *See—*
McFaul, Howard J.; Erdman, Donald C.; and Friedmann, Evan B., 3,810,385.

Erdman, Donald C., Company, Inc.: *See—*
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Erdman, J. Gordon, to Phillips Petroleum Company. Fluid sampling apparatus. 3,824,858, 7-23-74, Cl. 73-421.00r.

Erdman, Jurgen; and Knappe, Hartmut, to Sick, Erwin. Beam scanning object detection system. 3,809,891, 5-7-74, Cl. 250-222.00r.

Erdman, Leon Paul; and Wanie, Lee Joseph, to Deere & Company. Mower discharge chute deflector and bagging attachment. 3,797,214, 3-19-74, Cl. 56-320.200.

Erdmann, David P.; and Kurschner, Dennis L., to Honeywell Inc. Intrusion detection systems. 3,846,790, 11-5-74, Cl. 340-258.00d.

Erdmann, Dietrich: *See—*
Schneider, Gerhart; Lust, Sigmund; Niethammer, Konrad; Jacobi, Ernst; Erdmann, Dietrich; and Mohr, Gunther, 3,830,643.
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Erdmann, Hans, to Waldes Kohinoor, Inc. Hand tool for assembling open, bowed-body retaining rings having locking prongs in shaft or spindle grooves. 3,785,037, 1-15-74, Cl. 29-200.00h.

Erdmann, Hans; and Miller, Franz-Friedrich, to BASF Aktiengesellschaft. Aluminum or aluminum-chrome acrylic acid complex tannage and leader. 3,792,976, 2-19-74, Cl. 8-94.260.

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Erdmann, M. Otto: *See—*
Bresler, Aaron D.; Stein, Emanuel; and Erdmann, M. Otto, 3,852,765.

Erdmann, Manfred O.; and Dolan, John J., to International Telephone and Telegraph Corporation. On-site fabrication of antennas. 3,855,027, 12-17-74, Cl. 156-79.000.

Erdmann, Otto: *See—*
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Erdmann-Jesnitzer, Friedrich; and Paschen, Peter, to Rederat, S.A. Creep resistant lead alloys. 3,839,023, 10-1-74, Cl. 75-167.000.

Erdmenger, Rudolf: *See—*
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Erdmenger, Rudolf; Ullrich, Martin; and Hederich, Manfred, to Bayer Aktiengesellschaft. Concentration of materials. 3,809,140, 5-7-74, Cl. 159-2.00r.

Erdolchemie Gesellschaft mit beschrankter Haftung: *See—*
Kohler, Hans-Dieter; Benda, Herbert; and Scherb, Helmut, 3,793,381.
Marx, Hans-Dieter; Scherb, Helmut; and Schleppinghoff, Bernhard, 3,793,187.
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Erectoweld Company Limited: *See—*
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Eremin, Vladimir Alexandrovich: *See—*
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Ergins Matra: *See—*
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Ergon, Rolf Otto Torbjorn, to Aktiebolaget Bofors. Device for the localisation of an object. 3,836,949, 9-17-74, Cl. 340-3.00r.

Erhardt & Leimer KG, Firma: *See—*
Zerle, Ludiw; and Scharm, Klaus, 3,848,184.

Erhardt, Manfred, to Hurth, Carl, Maschinen-und Zahnradfabrik. Milling tool for working of grooves or slots. 3,848,512, 11-19-74, Cl. 90-11.00a.

Erhardt, Peter F.: *See—*
Abolins, Visvaldis; Erhardt, Peter F.; and Holoch, Klaus E., 3,792,121.

Erhardt, Peter Franklin; and Wiehe, Irwin Andrew, to Xerox Corporation. Imaging by phase aggregation from block copolymers. 3,847,644, 11-12-74, Cl. 117-36.700.

Erhart, Francis J.; and Schroeder, Harold H., to Xerox Corporation. System for vapor deposition of thin films. 3,845,739, 11-5-74, Cl. 118-49.100.

Erhart, Walter. Game call device. 3,802,120, 3-9-74, Cl. 46-181.000.

Erich, Nagel: *See—*
Schneider, Horst; Fergg, Berthold; Zahn, Wolfgang; Friedrich, Hujer; and Erich, Nagel, 3,857,220.

Erich, Reinhard; Hoffmann, Hermann; and Muhlbauer, Gerd Rudiger, to Hoffmann GmbH & Co., KG., Firma. Propeller blade. 3,784,322, 1-8-74, Cl. 416-229.000.

Erichsen, Herman W.: *See—*
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Erichsen, Roger H.: *See—*
Kirkpatrick, Max B.; Harvey, Andrew G.; and Erichsen, Roger H., 3,797,228.

Erichsen, Ronald L.: *See—*
Colucci, Stephen L.; Elliott, Michael T.; Erichsen, Ronald L.; Sypniewski, David L.; and Vopat, Frank E., 3,805,246.

Erickson, Albert L., to Nielsen Engineering & Research, Inc. Cancellating device for suppressing oscillations of structures in fluid flow. 3,804,210, 4-16-74, Cl. 188-1.00b.

Erickson, Allen H.; Pogainis, Edmunds M.; and Teletzke, Gerald H., to Sterling Drug Inc. Biotreatment process. 3,824,186, 7-16-74, Cl. 210-7.000.

Erickson, Allen M.; Kaplow, Robert L.; and King, W. Lawton, to United States of America, Navy. Direct vision laser range gate system. 3,834,795, 9-10-74, Cl. 350-161.000.

Erickson, Arlen J.: *See—*
Tall, Leonard H.; Carlstedt, Paul A.; and Erickson, Arlen J., 3,789,571.
Tall, Leonard H.; Catlstedt, Paul A.; and Erickson, Arlen J., 3,797,719.
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Erickson, Dennis E.; and Harrington, Harry L., to Clark Equipment Company. Lift truck upright. 3,841,442, 10-15-74, Cl. 187-9.000.

Erickson, Donald G.; and Kaufman, Vernon R., to Jacobsen Manufacturing Company. Vented rotary lawn mower. 3,795,095, 3-5-74, Cl. 56-320.200.

Erickson, Donald G., to Jacobsen Manufacturing Company. Lawn mower handle mounting. 3,817,547, 6-18-74, Cl. 280-47.370.

Erickson, Donald W., to Zoecon Corporation. Aryloxy epithio ethers. 3,787,443, 1-22-74, Cl. 260-327.00e.

Erickson, Ernest S.; deceased (by Erickson, Jane R.; administratrix), to Sperry Rand Corporation. Electric heater device. 3,821,517, 6-28-74, Cl. 219-546.000.

Erickson, Floyd B., to Monsanto Company. Photoimaging in presence of oxygen. 3,801,320, 4-2-74, Cl. 96-48.00r.

Erickson, Fred W.; and Price, John G., to Litton Systems, Inc. Digital display generators. 3,821,727, 6-28-74, Cl. 340-324.00a.

Erickson, Frederick E.: *See—*
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Erickson, Gustav F., to UMC Industries, Inc. Escrow stacker for paper currency. 3,851,744, 12-3-74, Cl. 194-4.00r.

Erickson, Henry; Hindin, Saul G.; Keith, Carl D.; and Mooi, John. Process for preparing a platinum-rhenium catalyst on an alumina support. 3,846,343, 11-5-74, Cl. 252-466.0pt.

Erickson, Jane R.: *See—*
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Erickson, John M.; and Reich, Bernard, to United States of America, Army. Temperature compensated zener diode for transient suppression. 3,798,510, 3-19-74, Cl. 317-234.00r.

Erickson, John R.; and Hillstrom, William A., to United States of America, Agriculture. Process for removing bark from wood chips. 3,826,433, 7-30-74, Cl. 241-14.000.

Erickson, John S.: *See—*
Curran, Patrick M.; Brazer, Geoffrey R.; and Erickson, John S., 3,815,661.

Erickson, John W.: *See—*
Brown, Francis Barton; and Erickson, John W., 3,847,512.

Erickson, John W.; and Budrys, Vitolis. Multistage pitot pump with means for feeding clean fluid to seals. 3,795,457, 3-5-74, Cl. 415-89.000.

Erickson, John W.; Williams, Carter P.; and McArthur, Ralph F., to Kobe, Inc. Pitot pump with slotted inlet passages in rotor case. 3,795,459, 3-5-74, Cl. 415-89.000.

Erickson, John W.; and Budrys, Vitolis, to Kobe, Inc. Pitot pump with centrifugal separator. 3,817,446, 6-18-74, Cl. 233-2.000.

Erickson, John W.; Brown, Francis Barton; and Petrie, Harold L., to Kobe, Inc. Pitot pump with jet pump charging system. 3,817,659, 6-18-74, Cl. 417-84.000.

Erickson, John W.; and Williams, Carter P., to Kobe, Inc. Pitot pump with thrust balance. 3,822,102, 7-2-74, Cl. 415-89.000.

Erickson, John W.; and Williams, Carter P., to Kobe, Inc. Pitot pump with means for excluding leakage from bearings. 3,838,939, 10-1-74, Cl. 415-89.000.

Erickson, John W.; and Budrys, Vitolis, to Kobe, Inc. Centrifugal separator. 3,847,327, 11-12-74, Cl. 233-32.000.

Erickson, Jon D.: *See—*
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Erickson, Lars E.: *See—*
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Erickson, Leland E., to Triple J., Inc. Releasable stirrup. 3,816,974, 6-18-74, Cl. 54-49.000.

Erickson, Lennart G.; and Erickson, William S. Water jet projector and control apparatus. 3,820,714, 6-28-74, Cl. 239-10.000.

Erickson, Lloyd Arthur, to Illinois Tool Works Inc. Sealed expansion anchor. 3,830,134, 8-20-74, Cl. 85-80.000.

Erickson, Oscar A. Suture holder. 3,819,039, 6-25-74, Cl. 206-388.000.

Erickson, Raymond C.: *See—*
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Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., 3,796,709.
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Erickson, Raymond Curry: *See—*
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Dolfini, Joseph Edward; and Erickson, Raymond Curry, 3,852,283.

Erickson, Robert E.: *See—*
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Erickson, Robert Edward: *See—*
Bozzato, Giuliano; Pesaro, Mario; Schudel, Peter; Hug-Inderbitzin, Marianne; and Erickson, Robert Edward, 3,819,711.

Erickson, Robert Joseph; Kotick, Michael Paul; Reverman, Lawrence Francis; and Wilson, Dan P., to Miles Laboratories, Inc. Poly 2'-fluoro-2'-deoxyuridylic acid. 3,792,039, 2-12-74, Cl. 260-211.50r.

Erickson, Robert S. Travel board game apparatus. 3,799,551, 3-26-74, Cl. 273-134.0ac.

Erickson, Rodney R.; and Johnson, Gordon W., to Catepillar Tractor Company. Steering actuated motor displacement control valve. 3,803,841, 4-16-74, Cl. 60-421.000.

Erickson, Rodney R.; Hopkins, Donald L.; and Norick, William B., to Caterpillar Tractor Company. High pressure manifold coupling means. 3,825,287, 7-23-74, Cl. 285-137.00r.

Erickson, Ronald R.; and Cornell, Richard D., to Johnson Products, Inc. Metered mechanical tappet with slotted push rod seat. 3,782,345, 1-1-74, Cl. 123-90.350.

Erickson, Thomas D.; and Wolf, Warren W., to Owens-Corning Fiberglas Corporation. Glass compositions, fibers and methods of making same. 3,847,626, 11-12-74, Cl. 106-50.000.

Erickson, Thomas D.; and Wolf, Warren W., to Owens-Corning Fiberglas Corporation. Glass composition, fibers and methods of making same. 3,847,627, 11-12-74, Cl. 106-50.000.

Erickson Tool Company: *See—*
Benjamin, Milton L.; Walker, David D.; and Miles, Wilbur N., 3,788,658.
Benjamin, Milton L., 3,801,115.
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Erickson, Vedrick A.: *See—*
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Erickson, Wallace A., to Erickson, Wallace A., & Company. N,N-bis(2-hydroxyethyl)-3,4,5-trimethyl-aniline. 3,799,985, 3-26-74, Cl. 260-573.000.

Erickson, Wallace A., & Company: *See—*
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Holoubek, George Henry; Ales, David Edward; Harms, Harland Elmer; Erickson, Warren E.; Ditmars, Maurice A.; and Brookhart, J. Keith, 3,851,568.

Erickson, Wayne K., to Phillips Petroleum Company. Filament crimping. 3,846,881, 11-12-74, Cl. 28-72.140.

Erickson, William R. Closed loop system for the elimination of fluorine pollution from phosphoric plants. 3,811,246, 5-21-74, Cl. 55-71.000.

Erickson, William S.: *See—*
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Erico Products, Inc.: *See—*
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Geiger, Willard L., 3,829,682.
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Erico Rail Products Company, mesne: *See—*
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Ericson, Alvin E., to Union Carbide Corporation. Plastic bag having arcuate closed end and arcuate lipped open end. 3,804,322, 4-16-74, Cl. 229-53.000.

Ericson, David D.: *See—*
Wollin, Guesta; and Ericson, David D., 3,806,348.

Ericson, Douglas E.; and Hawley, Clyde A. Combined turbine and reciprocating piston engine. 3,851,475, 12-3-74, Cl. 60-715.000.

Ericson, John A.: *See—*
Nadrich, John; and Ericson, John A., 3,794,262.

Ericson, John A. Botton pour apparatus for metal ladle. 3,820,693, 6-28-74, Cl. 222-559.000.

Ericson, John F. E.: *See—*
Lund, Harold E.; and Ericson, John F. E., 3,815,767.

Ericson, John F. E., to Marvel Industries, Inc. Drum lifting attachment. 3,785,692, 1-15-74, Cl. 294-90.000.

Ericson, John W.: *See—*
Gross, T. A. O.; and Ericson, John W., 3,831,192.

Ericson, Per E.: *See—*
Wikstrom, Karl H. R.; and Ericson, Per E., 3,824,092.

Ericson, Richard E., to Bard, C. R., Inc., mesne. Sanitary urine collector. 3,781,922, 1-1-74, Cl. 4-110.000.

Ericson, Richard E., to Bard, C. R., Inc., mesne. Radiopaque clamp. 3,786,815, 1-22-74, Cl. 128-321.000.

Ericson, Richard E., to Bard, C. R., Inc. Cyctoscopy sheet. 3,797,484, 3-19-74, Cl. 128-132.00d.

Ericson, Richard E., to Bard, C. R., Inc. Surgeons gown with cummerbund. 3,803,640, 4-16-74, Cl. 2-114.000.

Ericsson, Bjorn: *See—*
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Ericsson, Konrad E., to Arbman Development AB. Apparatus for individually feeding sheets, cards, banknotes and the like. 3,790,161, 2-5-74, Cl. 271-117.000.

Erie Malleable Iron Company: *See—*
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Eriez Manufacturing Company: *See—*
Israelson, Arlo F.; and Bartnik, Jerzy A., 3,794,163.

Eriksen, Bjorn Westphal; and Danielsen, Svend, to Aktieselskabet Donak Gaerings-Industri. Preparation of an eatable yeast product. 3,782,967, 1-1-74, Cl. 426-62.000.

Eriksen, Jan Bergh, to Trio Engineering, Ltd. Container for cooled transport and temporary storage of foodstuff. 3,805,543, 4-23-74, Cl. 62-371.000.

Eriksen, Odd, to Sentralinstitutt for Industriell Forskning. Device for sterile measurement of liquid or gas pressures. 3,818,765, 6-25-74, Cl. 73-395.000.

Erikson, Bernard A., to Groom Industries, Inc. Carpet grooming tools. 3,838,474, 10-1-74, Cl. 15-142.000.

Erikson, Carl: *See—*
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Erikson, J. Alden; and Birkmeyer, William J., to PPG Industries, Inc. Novel ketimine-containing coating compositions. 3,793,417, 2-19-74, Cl. 264-77.5am.

Erikson, Leslie E., to Norton Company. Method for the rapid cure of condensation polymers and products resulting therefrom. 3,820,290, 6-28-74, Cl. 51-298.000.

Erikson, Uno: *See—*
Bjork, Lars; and Erikson, Uno, 3,824,399.

Erikson, Uno Eugen: *See—*
Bjork, Lars; Erikson, Uno Eugen; Granath, Kirsti Annikki; Ingelman, Gustav-Adolf; and Lindberg, Bernt Jabes, 3,852,341.

Eriksoo, Edgar; Fex, Hans Jacob; Hogberg, Knut Bertil; Mollberg, Henri Rene; Rohte, Oskar Adolf; and Otto, Paul Hans; deceased (by Kneip, Ruth), to Atkiebolaget Lee Halsingborg. Phenothiazines. 3,833,567, 9-3-74, Cl. 260-243.00a.

Eriksson, Algot Ingemar, to AB Printing Equipment. Method and arrangement for checking the alignment of a paper sheet in paper sheet feed apparatus. 3,829,702, 8-13-74, Cl. 250-557.000.

Eriksson, Bolik Anders; and Vukotic, Milos, to Aktiebolaget Electrolux. Vacuum cleaner. 3,855,666, 12-24-74, Cl. 15-372.000.

Eriksson, Erik Arivd Rune; and Nilsson, Olof Lars Erik. Apparatus for producing graphic images on an image surface. 3,792,463, 2-12-74, Cl. 340-324.0ad.

Eriksson, Erik Birger, to Nordiska Maskinfilt Aktiebolaget. Machine felt comprising woven fabric having fibrous batt needled thereto. 3,839,136, 10-1-74, Cl. 161-80.000.

Eriksson, Erik Lennart: *See—*
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Eriksson, Erik Sture; and Ingemarsson, Gosta Ingemar, to Aktiebolaget Karlstads Mekaniska Werkstad. Method for forming and washing a fibrous web. 3,820,452, 6-28-74, Cl. 100-37.000.

Eriksson, Erik Sture, to Aktiebolaget Karlstads Mekaniska Werkstad. Multi-layer paper formation wherein outer layers are substantially free of BOD substances. 3,821,073, 6-28-74, Cl. 162-126.000.

Eriksson, Henning Emanuel. Noise damping device for motor boats. 3,845,839, 11-5-74, Cl. 181-33.00k.

Eriksson, Ivar, to Malte Manson AB. Series A.C. commutator motor with stabilized speed. 3,818,298, 6-18-74, Cl. 318-332.000.

Eriksson, Jan Christer; and Lagergren, Hans Ragnar, to Aminkemi Aktiebolag, mesne. Method of stabilizing heparinized non-thrombogenic plastic surfaces. 3,810,781, 5-14-74, Cl. 117-47.00a.

Eriksson, Karl Erik Ingemar. Container handling machine. 3,814,232, 6-4-74, Cl. 198-19.000.

Eriksson, Karl Gunnar; Wahlgren, Sven Erik; and Mangen, Carl Arnold. Method and means for indicating temperature variations in a product, preferably a food product. 3,828,612, 8-13-74, Cl. 73-356.000.

Eriksson, Lars Levi, to Bil-City i Pilea AB. Device for setting aside of an implement carried by a vehicle and for replacing the implement on the vehicle. 3,795,332, 3-5-74, Cl. 214-77.00r.

Eriksson, Ronny: *See—*
Englund, Hakan; Eriksson, Ronny; and Nilsson, Bengt, 3,812,721.

Eriksson, Sven Evald, to Atlas Copco Aktiebolag. Delivery control system for a motor driven compressor. 3,787,146, 1-22-74, Cl. 417-299.000.

Erisman, Edward R., to International Harvester Company. Transmission clutches with feedback controlled pressure modulator. 3,799,308, 3-26-74, Cl. 192-87.130.

Erixon, Karl Erich Samuel, to Gunnebo Bruks Aktiebolag, mesne. Cartridge magazine for power tools. 3,808,723, 5-7-74, Cl. 42-6.000.

Erk, Adil; and Bohn, Lutz, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Device for transmitting electrical energy. 3,818,152, 6-18-74, Cl. 191-45.000.

Erk, Kaya: *See—*
Goetz, Philip J.; and Erk, Kaya, 3,832,712.

Erkkila, Raymond N.: *See—*
Audiffred, Sidney J.; Bump, David W.; Erkkila, Raymond N.; Johnson, Lowell E.; and Pearce, Shairyl I., 3,822,771.

Erlandson, Charles W., to General Electric Company. Control system for multiple zone heating and cooling. 3,838,733, 10-1-74, Cl. 165-22.000.

Erlandson, Howard W., to FMC Corporation. Machine for overwrapping multiple containers. 3,782,070, 1-1-74, Cl. 53-184.000.

Erlebach, Richard, to Gertsch AG. Ski boot and use thereof as part of a releasable ski binding. 3,834,723, 9-10-74, Cl. 280-11.35d.

Erlenbach, Hans. Apparatus for the manufacture of molded articles of foam-forming thermoplastic synthetics. 3,837,769, 9-24-74, Cl. 425-4.00r.

Erlenbach, Lutz; Conrad, Cuno; and Hermann, Rudolf, to Wintershall Aktiengesellschaft. Apparatus for continuous production of stable chloroparaffins. 3,806,320, 4-23-74, Cl. 23-260.000.

Erler, Irvin L., to General Electric Company. Circuit for generating a voltage proportional to motor armature current. 3,806,787, 4-23-74, Cl. 318-599.000.

Erlich, Melvin P.; Stoller, Milton; Grand, Stanley; and De Cote, Robert, to Nuclear Research Associates, Inc., mesne. Biological cell analyzing system. 3,826,899, 7-30-74, Cl. 235-92.0pc.

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Erlichman, Irving, to Polaroid Corporation. Method of clamping and riveting parts. 3,828,421, 8-13-74, Cl. 29-522.000.

Erlichman, Irving, to Polaroid Corporation. Lockout mechanism for automatic trim assembly return mechanism. 3,832,721, 8-27-74, Cl. 354-21.000.

Erlichman, Irving, to Polaroid Corporation. Variable drive for photographic apparatus. 3,852,781, 12-3-74, Cl. 354-86.000.

Erlinder, Atwood E. Lift having self-folding platform. 3,831,788, 8-27-74, Cl. 214-75.00t.

Erling, Frank H.: *See—*
Erling, Frank H.; Nelsen, Gordon E.; and Bearfield, Clair A., 3,803,642.
Weber, Albert J.; Erling, Frank H.; and Bearfield, Clair A., 3,806,109.

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Erlmeier, Robert; Hilberath, Freidrich; Meisenburg, Ewald; and Spengler, Gunter, to Union Rheinische Braunkohlen Kraftstoff Aktiengesellschaft. Preparation of fuels for supersonic aircraft. 3,814,679, 6-4-74, Cl. 208-15.000.

Erlund, Mark Nicholas, to Rolls-Royce (1971) Limited. Flame-out control in gas turbine engine. 3,830,055, 8-20-74, Cl. 60-39.09r.

Erma, Eero Antero; Fredin, Stig Bertil Arthur; Lindh, Karl Gosta; and Timgren, Leo Anders. Method for accomplishing a high driving force at a combustion gas driven impact device and an impact device for carrying out of said method. 3,827,410, 8-6-74, Cl. 13-46.00r.

Erma-Werke Waffen- und Maschinenfabrik GmbH: *See—*
Eder, Josef; and Meierhofer, Karl, 3,813,803.

Ermanco Incorporated: *See—*
Molt, Richard P.; and Morey, Woodruff A., 3,840,110.

Ermidis, Nicholas P., to American Cyanamid Company. Polyurethane curative comprising 2-cyano-P-phenylene diamine and optionally metal salts. 3,839,292, 10-1-74, Cl. 260-75.0nh.

Ermoglio, Roger: *See—*
Beaugrand, Claude; and Ermoglio, Roger, 3,824,499.

Erna, Plasser; and Josef, Theurer. Movable apparatus for replacing an old track by a new track. 3,807,310, 4-30-74, Cl. 104-2.000.

Erna, Plasser; Josef, Theurer; and Franz, Eglseer. Mobile track survey apparatus. 3,857,183, 12-31-74, Cl. 33-174.00r.

Erne, Heinz: *See—*
Frey, Otto; Erne, Heinz; and Schellhorn, Hermann, 3,802,123.

Ernest, Dale S. Air humidifying apparatus. 3,840,001, 10-8-74, Cl. 126-113.000.

Ernest, Michael V.: *See—*
Graham, James Richar; Ernest, Michael V.; and Maselli, James Michael, 3,850,847.

Ernest, Vogt: *See—*
Florent, Brigliano; Ernest, Vogt; and Edmond, Marmound, 3,783,604.

Erneta, Modesto, to NL Industries, Inc. Aminoresin-silica microcomposites. 3,845,006, 10-29-74, Cl. 260-37.00n.

Erneta, Modesto, to NL Industries, Inc. Spheroidal shaped particles of aminoresin-silica polymeric composite. 3,846,453, 11-5-74, Cl. 260-39.0sb.

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Erni, Heinrich H.: *See—*
Goodwin, Edwin C., Jr.; Larkin, Oscar L.; and Erni, Heinrich H., 3,787,649.

Ernisse, Paul J.; and Ettinger, Arnold J., to Eastman Kodak Company. Automatic shutter control for photographic cameras. 3,812,500, 5-21-74, Cl. 354-32.000.

Ernisse, Paul Justin; and Mindler, Fredric Alton, to Eastman Kodak Company. Shutter diaphragm apparatus for camera exposure control. 3,812,498, 5-21-74, Cl. 354-29.000.
Ernohazy, Stephen: *See*—
Zawiski, Robert F.; Crider, Albert A.; and Ernohazy, Stephen, 3,833,214.
Ernow, Sture Axel, to Svenska Tobaks Aktiebolaget. Method of producing cigarettes or the like filled with tobacco containing one or more aromatic liquid agents, and a device for carrying out the method. 3,817,258, 6-18-74, Cl. 131-31.000.
Ernsberger, Fred M.; and Nier, Thomas J., to PPG Industries Inc. Method and apparatus for mixing molten glass by bubbling. 3,811,858, 5-21-74, Cl. 65-135.000.
Ernsberger, Fred M., to PPG Industries, Inc. Process and apparatus for electrolytically generating stirring bubbles in a glass melt. 3,811,859, 5-21-74, Cl. 65-136.000.
Ernst, Arnold E. Plant cutting apparatus. 3,783,593, 1-8-74, Cl. 56-14.400.
Ernst, Franklin Henry, Jr.: *See*—
Ernst, Franklin Henry, Jr.; and Travaglio, Dalny (said Travaglio assor. to said), 3,817,171.
Ernst, Franklin Henry, Jr.; and Travaglio, Dalny, said Travaglio assor. to said Ernst, Franklin Henry, Jr. Selective imprinting machine. 3,817,171, 6-18-74, Cl. 101-19.000.
Ernst, Gerd: *See*—
Weegen, Lorenz; Luders, Albrecht; Brinkmann, Heinz; Herbst, Klaus; and Ernst, Gerd, 3,787,092.
Ernst, Heini, to Hoffmann-La Roche Inc., mesne. Inspiration/expiration valve. 3,850,197, 11-26-74, Cl. 137-561.00r.
Ernst, Horst; Schurger, Rainer; and Neder, Gunter, to SKF Industrial Trading and Development Company N.V. Unidirectional bearing. 3,805,932, 4-23-74, Cl. 192-45.000.
Ernst, James E. Row centering guide control device for bush bean harvester. 3,857,455, 12-31-74, Cl. 180-79.20r.
Ernst, Kurt W.: *See*—
Lobenhoffer, Hans Ph.; and Ernst, Kurt W., 3,839,523.
Ernst, Max. Ball game. 3,782,729, 1-1-74, Cl. 273-138.00a.
Ernst, Otto: *See*—
Balle, Gerhard; Himmelmann, Wolfgang; Ernst, Otto; and Nittel, Fritz, 3,791,857.
Ernst, Richard G., to Electric Machinery Mfg. Company. Mounting apparatus for disc-type semiconductors. 3,838,303, 9-24-74, Cl. 310-68.00d.
Ernst, Richard J.: *See*—
Rod, Trygve R.; Ernst, Richard J.; and Davis, Robert A., 3,823,634.
Ernst, Richard R.: *See*—
Anderson, Weston A.; and Ernst, Richard R., 3,786,341.
Ernst, Richard Robert, to Varian Associates. Nuclear magnetic resonance spectroscopy employing difference frequency measurements. 3,810,001, 5-7-74, Cl. 324-.50r.
Ernst, Robert R., to Sybron Corporation. Biological sterility indicator and method for using same. 3,846,242, 11-5-74, Cl. 195-103.500.
Ernst, Rudolf, to Kunststoff-Verfahrenstechnik Ernst, Ing. Dr., GmbH & Co., KG. Device for manufacturing coated hard-foam tiles of polyurethane. 3,836,298, 9-17-74, Cl. 425-115.000.
Ernst, Walter, to Scragg, Ernest, & Sons Limited. Apparatus for texturing or drawing and texturing synthetic yarns. 3,791,121, 2-12-74, Cl. 57-34.0h5.
Ernst Winter & Sohn: *See*—
Borse, Dietrich; Lockemann, Albert; and Cordsen, Gerd, 3,828,646.
Ernster, John H. Process for utilizing barley malt. 3,846,397, 11-5-74, Cl. 260-112.000.
Ernsthausen, Roger E.: *See*—
Byrum, Bernard W., Jr.; and Ernsthausen, Roger E., 3,823,394.
Byrum, Bernard W., Jr.; and Ernsthausen, Roger E., 3,846,171.
Hoehn, Harold J.; and Ernsthausen, Roger E., 3,852,607.
Ernsthausen, Roger E.; and Emch, Brooke R., to Owens-Illinois, Inc. Process for applying stress-balanced coating composite to dielectric surface of gas discharge device. 3,836,393, 9-17-74, Cl. 117-217.000.
Ernstoff, Michael N.; Fehr, Eric R.; Hoffman, William C.; and Winner, Richard N., to Hughes Aircraft Company. Electronically switched field sequential color television. 3,783,184, 1-1-74, Cl. 178-5.4bd.
Ernstoff, Michael N.; Hoffman, William C.; Fehr, Eric R.; and Winner, Richard N., to Hughes Aircraft Company. Television display system. 3,821,796, 6-28-74, Cl. 358-65.000.
Ernvein, Joel: *See*—
Bossaert, Jean; Delorme, Jean; and Ernvein, Joel, 3,805,225.
Ernvein, Joel, to Thomson-CSF. Acoustical holography system for acoustic image conversion. 3,829,827, 8-13-74, Cl. 340-5.00h.
Ernvein-Pecouenard, Joel, to Thomson-CSF. Cameras for acoustic holography. 3,792,422, 2-12-74, Cl. 340-5.00h.
Erny, Daniel Richard; and Tysko, Leon Albert, to Van Dyk Research Corporation. Xerographic toner concentration measuring apparatus and method. 3,791,744, 2-12-74, Cl. 356-201.000.
Erny, Daniel Richard, to Van Dyk Research Corporation. Self-centering paper roll holder. 3,799,465, 3-26-74, Cl. 242-55.200.
Erokhov, Veniamin Kuzmich: *See*—
Starostin, Jury Stepanovich; Plokhov, Viktor Ivanovich; Erokhov, Veniamin Kuzmich; Ivanov, Vladimir Prokopievich; Krotkov, Vladimir Nikolaevich; Anisimov, Albert Viktorovich; Ajupov, Rustem Nurievich; and Golovinov, Mikhail Fedortovich, 3,824,832.
Eron, Robert E. Foamed cover composition. 3,790,395, 2-5-74, Cl. 106-122.000.
Eron, Robert E. Foam generator. 3,791,778, 2-12-74, Cl. 418-15.000.
Erpenbach, Heinz: *See*—
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Erpenbach, Heinz; Gehrmann, Klaus; Lork, Winfried; and Prinz, Peter, to Knapsack Aktiengesellschaft. Process for the manufacture of a cobalt molybdate catalyst. 3,843,555, 10-22-74, Cl. 252-470.000.
Errett, Carl G. Apparatus for adjusting fuel delivery in diesel injectors. 3,847,011, 11-12-74, Cl. 72-477.000.
ERSA Ernst Scahs KG: *See*—
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Ersek, Robert A.: *See*—
Beisang, Arthur A.; and Ersek, Robert A., 3,793,103.
Beisang, Arthur A.; and Ersek, Robert A., 3,842,831.
Ersek, Robert A.; Wall, Donald E.; and Garity, Michael C., to Med General, Inc. Sterile sheath for surgical illuminator. 3,794,091, 2-26-74, Cl. 150-52.00r.
Ersek, Robert A.; Wall, Donald E.; and Garity, Michael C., to Med General Inc. Sterile sheath apparatus for fiber optic illuminator with compatible lens. 3,809,072, 5-7-74, Cl. 128-23.000.
Ersek, Robert A.; and Wall, Donald E., to Med General, Inc. Sleeve for fever thermometers and method of attaching same. 3,838,600, 10-1-74, Cl. 73-373.000.
Ersfeld, Heinrich: *See*—
Knipp, Ulrich; Boden, Heinrich; Ersfeld, Heinrich; Schneider, Walter; and Moeres, Reiner, 3,857,550.
Ershov, Boris Alexandrovich: *See*—
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Ershova, Vera Alexandrovna: *See*—
Tolstoguzov, Vladimir Borisovich; Mzhelsky, Alexandr Ivanovich; Ershova, Vera Alexandrovna; Braudo, Evgeny Evgenievich; and Mikheeva, Natalia Vasilievna, 3,801,713.
Erskine, William: *See*—
Croquelois, Jean-Pierre; Erskine, William; and Gerber, Raymond, 3,834,301.
Erspamer, James R.; and Snyder, George W., to Sperry Rand Corporation. Multiplexed gain control for a synchro data transmission system. 3,784,753, 1-8-74, Cl. 179-15.0fe.
Erst, Stephen J., to International Telephone and Telegraph Corporation. FM-CW radar range system. 3,789,398, 1-29-74, Cl. 343-14.000.
Erste Deutsche Floatglas GmbH & Co.OHG: *See*—
Classen, Franz, 3,826,636.
Ertaud, Andre; Panossian, Jacques; and Carbonnel, Henri, to Groupement Atomique Alsacienne Atlantique. Liquid metal conduction pump. 3,837,763, 9-24-74, Cl. 417-50.000.
Ertingshausen, Gerhard: *See*—
Daly, John A.; and Ertingshausen, Gerhard, 3,795,484.
Ertl, Dietrich; Eishold, Horst-Gunter; Gilles, Helmut; Schmolling, Gunther; Steuernagel, Walter; and Nitz, Jurgen, to Metallgesellschaft Aktiengesellschaft. Corona-discharge electrode system. 3,783,589, 1-8-74, Cl. 55-146.000.
Ertl, Edward S., to Acoustics Development Corporation. Telephone booths. 3,845,590, 11-5-74, Cl. 52-36.000.
Ertl, Franz: *See*—
Geyken, Erwin; Dawidowitsch, Peter; and Ertl, Franz, 3,812,870.
Ervast, Armas, to Messrs. Tiwi Oy. Method and apparatus for cutting veneer produced by means of turning on a lathe into sheets with uniform fibre configuration. 3,812,893, 5-28-74, Cl. 144-326.000.
Ervin, Gary D.; and Walters, Harold A., to Dow Chemical Company, The. Carpet and preparation thereof. 3,819,463, 6-25-74, Cl. 161-64.000.
Ervin, Gerald A., 40% to Ford, Samuel W. Flexible electrically conductive chain and method of making the same. 3,813,478, 5-28-74, Cl. 174-70.00r.
Ervin, Jimmie D. Rotary cutter unit for grape harvesters. 3,830,048, 8-20-74, Cl. 56-331.000.
Ervin, John W.: *See*—
Freeman, Miller L., 3,796,886.
Freeman, Miller L., 3,835,342.
Erwin, Curtis L., Jr. Fuel use rate meter for engines. 3,805,602, 4-23-74, Cl. 73-114.000.

Erwin, Curtis L., Jr. Fuel system for diesel engines. 3,817,273, 6-18-74, Cl. 137-338.000.
Erwin, Floyd Dennis, to Hughes Aircraft Company. Modular program control apparatus for a modular data processing system. 3,851,312, 11-26-74, Cl. 340-172.00s.
Erwin, Louis R., to Bendix Corporation, The. Linkage angle steering control from powered in-tandem vehicles. 3,783,963, 1-8-74, Cl. 180-6.300.
Erwin, Ransome W., to Austral-Erwin Engineering Co. Preparation of plastic-metal products including laminates, composite tubes and the like. 3,837,956, 9-24-74, Cl. 156-218.000.
Erwin, Ransome W., to Austral-Erwin Engineering Co., mesne. Preparation of plastic-metal products including laminates, composite tubes and the like. 3,841,937, 10-15-74, Cl. 156-286.000.
Erwin, Robert Dale, to Mallory, P. R., & Co. Inc. Means preventing continued rotation in a wrong-way direction of rotating member. 3,809,932, 5-7-74, Cl. 310-41.000.
Erwin, Robert Dale, to Mallory, P. R., & Co., Inc. Means correcting a wrong-way directional rotation of a rotating member. 3,821,567, 6-28-74, Cl. 310-41.000.
Erwin Sick Optik-Elektronik: *See*—
Muller, Joachim M.; and Triller, Adolf J., 3,790,290.
ESAB-Hebe Aktiebolag: *See*—
Janson, David Wenzel Alexander, 3,824,737.
Esaki, Motoharu, to Nippondenso Co., Ltd. Electronic digital clock. 3,817,020, 6-18-74, Cl. 58-23.00r.
Esashi, Hanjiro; and Kawamata, Katsuyoshi, to Sony Corporation. Tape cassette. 3,797,779, 3-19-74, Cl. 242-199.000.
Esashi, Hanjiro; and Kawanata, Katsuyoshi, to Sony Corporation. Tape cassette. 3,802,647, 4-9-74, Cl. 242-199.000.
Esashi, Hanjiro, to Sony Corporation. Tape cassette. 3,809,219, 5-7-74, Cl. 206-55.00k.
ESB Incorporated: *See*—
Anderson, Charles E., 3,841,913.
Beckman, Milo H., 3,795,964.
Bergum, Bernard C.; and Youngquist, John A., 3,784,410.
Bernstein, Philip; and Varker, Alan E., 3,849,386.
Coffey, James P.; and Duddy, Joseph C., 3,785,931.
Davis, Stuart M., 3,853,623.
Duddy, Joseph C., 3,839,089.
Elliott, Ronald C., 3,853,629.
Johnson, Robert William; and Shanker, Irvin Paul, 3,811,759.
Kosta, Geza F.; and Pomper, Anthony W., 3,784,406.
Leeson, Jeffrey S.; and Laczko, Robert P., 3,785,873.
Macaulay, William R.; Feldhake, Ralph H.; Higgins, Dale G.; and Santa Maria, Richard C., 3,784,414.
Malaspina, Francis P.; Aker, Wesley E.; and Werth, John, 3,787,308.
Port, Frederick J., 3,791,874.
Raddi, William J.; and Johnson, Robert William, 3,826,246.
Reinert, Donald G., 3,811,956.
Sklarchuk, Jack C., 3,791,896.
Venuto, C. Joseph, 3,809,579.
Werth, John J., 3,847,667.
Esbitt, Irving P., to Du Pont de Nemours, E. I., and Company. Nitrocellulose/synthetic polymer adhesive. 3,804,784, 4-16-74, Cl. 260-14.000.
Esch, Robert E., to Bendix Corporation, The. Inch-metric read-out for a measuring system. 3,858,033, 12-31-74, Cl. 235-92.0pl.
Eschbach, Jean Michel: *See*—
Abbe, Lucien; Eschbach, Jean Michel; Letang, Roland; and Sachs, Charles, 3,837,065.
Eschbach, Robert C.: *See*—
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Eschbaugh, John T., to Parker-Hannifin Corporation. Quick connect tube coupling joint. 3,826,523, 7-30-74, Cl. 285-39.000.
Eschbaugh, John T.; and Mooney, David N., to Parker-Hannifin Corporation. Quick connect tube coupling joint. 3,847,421, 11-12-74, Cl. 285-353.000.
Esche, Rolf: *See*—
Sass, Jochen; and Esche, Rolf, 3,835,282.
Eschen, Franklin W., to Johns-Manville Corporation. Wear resistant composition brake block. 3,832,325, 8-27-74, Cl. 260-38.000.
Eschenbacher, Rolf; and Steinbrenner, Hans-Gunter, to Warner Electric Brake & Clutch Company. Ball screw mechanism with improved ball guide. 3,815,435, 6-11-74, Cl. 74-459.000.
Escher, William J. D., to CCI Aerospace Corporation. Supercharged ejector ramjet aircraft engine. 3,812,672, 5-28-74, Cl. 60-244.000.
Escher Wyss Aktiengesellschaft: *See*—
Biondetti, Mario, 3,846,883.
Escher Wyss G.m.b.H.: *See*—
Holik, Herbert; and Muehle, Erwin, 3,816,941.
Kahmann, Albrecht, 3,810,584.
Kahmann, Albrecht, 3,841,573.
Escher Wyss Limited: *See*—
Biaggi, Jacques; Oertle, Jakob; and Leonhardt, Michael, 3,805,403.
Dolder, Guido; and Schmalzi, Alfred, 3,794,288.
Jelusic, Fedor, 3,794,456.
Spillmann, Werner; Christ, Alfred; Lehmann, Rolf; and Muehle, Erwin, 3,802,044.
Eschger, Philippe Hubin: *See*—
Mace, Jacques; and Eschger, Philippe Hubin, 3,817,965.
Eschholz, Harald, to Rockwell, Dick Gordon. Apparatus for application of resilient seals. 3,851,369, 12-3-74, Cl. 29-211.00d.
Eschleman, Thomas M., Jr.: *See*—
Belcher, Samuel L.; and Eschleman, Thomas M., Jr., 3,807,622.
Eschler, Hans; Klement, Ekkehard; Roes, Dieter; and Rosenberger, Dieter, to Siemens Aktiengesellschaft. Method and apparatus for determining the thickness or width of work pieces. 3,802,774, 4-9-74, Cl. 356-4.000.
Esco Corporation: *See*—
Cranor, Dennis A., 3,789,607.
Hood, Albert H.; and Gettman, Herman W., 3,839,806.
Smith, Floyd O., 3,811,270.
Esco Manufacturing Company: *See*—
McClain, James E., 3,853,375.
Escobedo, Francisco. Self-steering bicycle-type toy vehicle. 3,785,086, 1-15-74, Cl. 46-213.000.
Escoe, James L. Carpet cutter. 3,783,513, 1-8-74, Cl. 30-273.000.
Escoe, James L. Carpet stretcher and kicker. 3,784,078, 1-8-74, Cl. 227-13.000.
Eseke, James Richard; Morsell, Arthur Lee; Muntz, Eric Phillip; and Welkowsky, Murray Samuel, to Xonics, Inc. Gas handling system for electronradiography imaging chamber. 3,828,191, 8-6-74, Cl. 250-315.000.
Esemplare, Pascal E.; and Beeferman, Dennis, to Sutures, Inc. Rubber articles having improved slip coating. 3,856,561, 12-24-74, Cl. 117-139.000.
Eshbaugh, John T.; and Lindahl, Gerbert S., to Gulf & Western Metals Forming Company, mesne. Refrigeration system. 3,786,651, 1-22-74, Cl. 62-222.000.
Eshelman, Cheston Lee. Pneumatic shock absorbing tire bumper system. 3,845,977, 11-5-74, Cl. 293-19.000.
Eshelman, Cheston Lee. Shiftable shock absorbing tire buffer. 3,847,427, 11-12-74, Cl. 293-19.000.
Eshelman, Cheston Lee. Tire bumper kit. 3,848,736, 11-19-74, Cl. 206-223.000.
Eshelman, Robert W.: *See*—
Martin, Frank J.; Eshelman, Robert W.; and Bergsma, Rudolph, 3,804,109.
Eshelman, Wayne Lee, to Tektronix, Inc. Vector generator. 3,824,382, 7-16-74, Cl. 235-150.530.
Eshghy, Siavash: *See*—
Stamm, Johann A.; and Eshghy, Siavash, 3,823,779.
Eshraghian, Kamran, to U.S. Philips Corporation. Sequential switching device. 3,824,480, 7-16-74, Cl. 328-75.000.
Eshraghian, Kamran, to U.S. Philips Corporation. Switching device. 3,829,784, 8-13-74, Cl. 328-130.000.
Eshraghian, Kamran, to U.S. Philips Corporation. Electronically programable switching system. 3,840,752, 10-8-74, Cl. 307-141.000.
Eshuis, Adolph; and Jansma, Andrew M. Traction splint. 3,804,085, 4-16-74, Cl. 128-85.000.
Esjutin, Vladimir Sergeevich; Taziev, Zhavdat Sharafutdinovich; Senjuta, Sergei Julievich; Onaev, Ibragim Abilgazievich; Suturin, Serfim Nikolaevich; Gavrilenko, Demyan Illarionovich; Kleschenko, Nikolai Stepanovich; Voronkov, Nikolai Arsenievich; Raznitsy, Alexei Fedorovich; Ryzhkin, Semen Alexeevich; Kievakin, Alexei Alexeevich; Semenov, Alexandr Efimovich; Ivannikov, Alexandr Stepanovich; Cherednichenko, Vladimir Semenovich; Orlov, Gennady Ivanovich; Naryshkin, Jury Anatolievich; and Novikov, Jury Petrovch. Apparatus for refining metals. 3,803,335, 4-9-74, Cl. 13-20.000.
Eskeli, Michael. Heating and cooling wheel with dual rotor. 3,791,167, 2-12-74, Cl. 62-401.000.
Eskeli, Michael. Gas compressor. 3,793,848, 2-26-74, Cl. 62-402.000.
Eskeli, Michael. Compressor with cooling. 3,795,461, 3-5-74, Cl. 415-1.000.
Eskeli, Michael. Heat and steam generator. 3,809,017, 5-7-74, Cl. 122-11.000.
Eskeli, Michael. Turbine having powered inner rotor for imparting additional velocity to entering fluid. 3,828,553, 8-13-74, Cl. 60-330.000.
Eskeli, Michael. Heating and cooling wheel. 3,828,573, 8-13-74, Cl. 62-401.000.
Eskeli, Michael. Turbine with heating and cooling. 3,834,179, 9-10-74, Cl. 62-401.000.
Eskeli, Michael. Turbine. 3,854,841, 12-17-74, Cl. 415-81.000.
Eskenazi, Murray L. Closure cap for container. 3,834,572, 9-10-74, Cl. 215-272.000.
Eskesen, John H.: *See*—
Grondahl, Clayton M.; and Eskesen, John H., 3,856,433.
Eskew, Roderick K.: *See*—
Cording, James Jr.; and Eskew, Roderick K., 3,833,747.
Eskimo Pie Corporation: *See*—
Bruschke, Joost M. M.; and Minor, Ronald E., 3,839,987.
Eskoff, Alexander. Overhead hand operated door lock. 3,843,178, 10-22-74, Cl. 292-262.000.
Eskofot A/S: *See*—
Norgaard, Richard Arlund; and Larsen, Rex Stemann, 3,782,715.

Eskridge, Brewster B.; Fink, Roger H.; and Lyon, Boyce M., to Akzona Incorporated. Process and apparatus for texturizing yarn. 3,832,759, 9-3-74, Cl. 28-1.300.
Eskridge, Wade A.; and Kennedy, Duane O. Reciprocating fluid motor. 3,853,036, 12-10-74, Cl. 91-276.000.
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Ester, Wilhelm; Schluter, Dietrich; and Heitmann, Wilhelm, to VEBA-Chemie Aktiengesellschaft. Manufacture of vinyl acetate. 3,843,721, 10-22-74, Cl. 260-497.00a.

Esterdahl, Richard B. Casket lid. 3,835,509, 9-17-74, Cl. 27-19.000.

Esterline Corporation: *See—*
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Estes, John H.; Kerr, Edwin R.; and Dorawala, Tansukhlal G., to Texaco Inc. Method of steam dealkylation. 3,855,335, 12-17-74, Cl. 260-672.00r.

Estes, Lyle G., to Burlington, Industries, Inc. Apparatus for inspecting double knit fabric. 3,802,035, 4-9-74, Cl. 26-70.000.

Estes, Phillip Waite, to Riegel Textile Corporation. Process for forming a fluffed fibrous pulp batt. 3,809,604, 5-7-74, Cl. 162-100.000.

Estey, Bernard A.; Estey, Charles S.; and Estey, Owen S. Process for producing dried potato-containing animal food supplement. 3,821,446, 6-28-74, Cl. 426-373.000.

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Estey, Willard E., to Perkin-Elmer Corporation, The. Sample method and arrangement for gas chromatograph. 3,798,973, 3-26-74, Cl. 73-422.0gc.

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Estkowski, Michael H., to V-M Corporation. Speed shift for a phonograph player drive. 3,838,859, 10-1-74, Cl. 274-9.00a.

Estrade, Fernand. Device for transforming kinetic energy. 3,807,244, 4-30-74, Cl. 74-84.00s.

Estradier, Francois: *See—*
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Eto, Tetutaro. Integrating A-D conversion system. 3,833,902, 9-3-74, Cl. 340-347.0nt.
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Ettel, Hubert, to Mende, Wilhelm, & Co. Apparatus for coating chipboard with a laminated sheet or foil. 3,825,462, 7-23-74, Cl. 156-582.000.
Ettel, Hubert, to Mende, Wilhelm & Co. Apparatus for compressing chipboards. 3,832,115, 8-27-74, Cl. 425-373.000.
Ettel, Victor Alexander, to International Nickel Company, Inc., The. Current density redistributing anode. 3,821,097, 6-28-74, Cl. 204-106.000.
Ettenberg, Michael, to RCA Corporation. Method of epitaxially depositing a semiconductor material on a substrate. 3,821,039, 6-28-74, Cl. 148-171.000.
Ettenberg, Michael; and Gilbert, Stephen Lee, to RCA Corporation. Method of applying an anti-reflective coating on a semiconductor laser. 3,846,165, 11-5-74, Cl. 117-201.000.
Ettenreich, Ludwig; Reimann, Otto; and Greulich, Klaus, to Bau-Stahlgewebe GmbH. Heat treatment process for non-alloyed low-carbon structural steel. 3,795,550, 3-5-74, Cl. 148-12.400.
Ettenreich, Ludwig, to Elin-Union A.G. fur elektrische Industrie. Method of precipitation hardening of copper-aluminum alloys. 3,801,382, 4-2-74, Cl. 148-159.000.
Etter, Berwyn E. Metering valve. 3,800,830, 4-2-74, Cl. 137-625.410.
Etter, Berwyn E. Method and means of applying additives to industrial gas. 3,805,819, 4-23-74, Cl. 137-208.000.
Etter, Berwyn E. Tip for an industrial gas cutting torch. 3,838,819, 10-1-74, Cl. 239-424.500.
Etter, Marc, (Proprietary) Limited: *See—*
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Etter, Marcel, to Etter, Marc, (Proprietary) Limited. Commutator assemblies. 3,793,547, 2-19-74, Cl. 310-236.000.
Etter, Marcel. Control circuit for an inverter with a variable output voltage and frequency. 3,848,176, 11-12-74, Cl. 321-18.000.
Etter, Peter; and Hengsberger, Jurgen, to BBC Brown Boveri & Company Limited and Allgemeine Elektricitaets-Gesellschaft AEG-Telefunken. Choke arranement for limiting switch-in current flow through thyristor valves of high-voltage converter circuit. 3,824,45, 7-16-74, Cl. 321-11.000.
Etter, Walter: *See—*
Thevenaz, Jean; Etter, Walter; and Thevenaz, Louis, 3,819,129.
Etters, James N., to River, Dan, Inc. Dyeing textile materials with vat and sulfur dyes and reducing agent stabilizers for same. 3,798,172, 3-19-74, Cl. 252-188.000.
Ettie, Alan George Albert Edward: *See—*
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Ettinger, Donald H.; and Zorka, Nicholas G., to USM Corporation. Percussive stud welding system. 3,854,027, 12-10-74, Cl. 219-98.000.
Ettinger, Donald N., to Hit-Away, Inc. Protective neck collar. 3,855,631, 12-24-74, Cl. 2-2.000.
Ettinger, Robert H., to General Electric Company. Quick demountable load tap changer terminal. 3,846,742, 11-5-74, Cl. 339-263.00r.
Ettischer, Helmut; Blattner, Dietmar; and Ort, Wolfgang, to Eastman Kodak Company. Photographic camera with interchangeable lenses and bayonet lock. 3,782,260, 1-1-74, Cl. 95-45.000.
Ettischer, Helmut; and Huschle, Peter, to Eastman Kodak Company. Synchronizing mechanism for flash and shutter actuation. 3,854,810, 12-17-74, Cl. 354-142.000.
Ettles, Christopher Mills McCullock. Journal bearings. 3,804,474, 4-16-74, Cl. 308-122.000.
Ettlinger, Carl F. Device for measuring forward bend resistance of ski bindings. 3,805,603, 4-23-74, Cl. 73-133.00a.
Ettlinger, Louis F.; and Barger, Donald R., to General Electric Company. Circuit breaker having mechanical lock to prevent automatic operation. 3,792,404, 2-12-74, Cl. 337-72.000.
Ettre, Kitty S.; and Castles, George Richard, to Vitta Corporation, Tape transfer of sinterable conductive, semiconductive or insulating patterns to electronic component substrates. 3,785,895, 1-15-74, Cl. 156-89.000.
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Bourgeois, Norbert Paul, 3,783,640.
Bourgeois, Norbert Paul, 3,784,129.
Bourgeois, Norbert Paul, 3,792,599.
Bourgeois, Norbert Paul, 3,795,119.
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Lemoigne, Pierre Marcel, 3,840,202.
Etz, Herbert, to Hahn, Carl, Dr., KG. Catamenial tampon. 3,818,912, 6-25-74, Cl. 128-285.000.
Etz, Herbert, to Hahn, Carl, Dr., KG. Apparatus for manufacturing tampons. 3,852,847, 12-10-74, Cl. 19-144.500.
Etzbach, Volker: *See—*
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Etzcorn, Mary C. Portable stove hood. 3,814,078, 6-4-74, Cl. 126-299.00c.
Etzel, James E.; Helbing, Clarence H.; and Justus, Carl A., to Certain-Teed Products Corporation, mesne. Waste water reclamation in fiber glass operation. 3,791,807, 2-12-74, Cl. 65-3.000.
Eubank, Marcus P. Reverse roof ventilation for mobile home. 3,807,290, 4-30-74, Cl. 98-33.00r.
Eubank, Marcus P. Mobile home adapted for externally mounted air conditioning unit and unit therefor. 3,855,814, 12-24-74, Cl. 62-244.000.
Eubanks, Elton C., to Gulf Oil Corporation. Control system to automatically maintain a smokeless flare. 3,782,880, 1-1-74, Cl. 431-4.000.
Eubanks, James E.: *See—*
Smith, Arthur A.; Christensen, Dean E.; Campbell, Billy H.; Strickland, Raymond I.; and Eubanks, James E., 3,803,399.
Eubanks, Lloyd S.; and Payne, John T., to Monsanto Company. Purification of carboxylic acids. 3,791,935, 2-12-74, Cl. 203-74.000.
Eubanks, Lloyd S.; Eby, Roy T.; Cruse, Carl M.; Epstein, Henry L.; Null, Harold R.; and Rosenberger, Frederick E., to Monsanto Company. Process for separating carbonylation products from reaction mixture without catalyst decomposition. 3,845,121, 10-29-74,Cl. 260-532.000.
Eucken, Harry, to Gottwald, Leo, KG. Telescopic crane jib. 3,845,866, 11-5-74, Cl. 212-64.000.
Euclid, Inc.: *See—*
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Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, 3,796,560.
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Eukumaru, Toshitsugu; Hamma, Noritaka; Nakatani, Hiroshi; Fukushima, Hideaki; and Toki, Katsuyuki, to Sumitomo Chemical Company Limited. Fatty acid amide derivatives. 3,784,577, 1-8-74, Cl. 260-404.000.

Eukushima, Osamu; Sato, Masamichi; and Matsumoto, Seiji, said Fukushima and said Matsumoto assors. by mesne assigts. to Rank Xerox, Ltd. Electro-photographic apparatus. 3,832,975, 9-3-74, Cl. 118-637.000.

Eul, Edward A., Jr.: *See—*
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Euronics Limited: *See—*
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Europaische H. O. Canfield Co. GmbH: *See—*
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European Atomic Energy Community (Euratom): *See—*
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Lumier, Jacques, 3,850,317.
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Flarity, Frank O'Dell; and Eustace, Waymon Rhea, 3,825,083.

Eustance, John W., to General Electric Company. Stabilized ester impregnant. 3,833,978, 9-10-74, Cl. 29-25.420.

Eustance, John W., to General Electric Company. Polyolefin film containing therein widely dispersed fine particles of a dielectric liquid soluble material. 3,836,829, 9-17-74, Cl. 317-258.000.

Euverard, Maynard R., to Velten & Pulver, Inc. Converging and diverging conveyor. 3,809,207, 5-7-74, Cl. 198-34.000.

Euverard, Maynard R., to Velten & Pulver, Inc. Conveyor belt. 3,842,969, 10-22-74, Cl. 198-193.000.

Evan, George E., to Eastman Kodak Company. Variable duration braking circuit for a momentary intermittently driven web transporting mechanism. 3,798,518, 3-19-74, Cl. 318-6.000.

Evanega, George R.; Kuhla, Donald E.; and Sarges, Reinhard, to Pfizer Inc. Piperidinesulfinylurea derivatives. 3,829,434, 8-13-74, Cl. 260-293.560.

Evangelista, Helen. Collapsible tray with adaptable hook arrangement. 3,817,190, 6-18-74, Cl. 108-44.000.

Evani, Syamalarao: *See—*
Broxterman, William E.; Schmidt, Donald L.; and Evani, Syamalarao, 3,804,797.

Evani, Syamalarao; Lalk, Robert H.; and Fiero, Terry H., to Dow Chemical Company, The. Aqueous coating compositions thickened by a terpolymer of a alkenyl aromatic compound, an unsaturated dicarboxylic acid, and an ether of vinyl benzyl alcohol and an oxyakylated compound. 3,794,608, 2-26-74, Cl. 260-29.6rw.

Evans & Sutherland Computer Corporation: *See—*
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Evans, Anthony C., to Kelsey-Hayes Company. Disk type parking brake. 3,809,190, 5-7-74, Cl. 188-722.000.

Evans, Anthony G.: *See—*
Cox, David A.; Barnish, Ian T.; and Evans, Anthony G., 3,816,516.

Evans, Anthony Glyn: *See—*
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Evans, Anthony James Thomas: *See—*
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Evans, Arthur. Fixed point probe card and an assembly and repair fixture therefor. 3,849,728, 11-19-74, Cl. 324-158.00f.

Evans, Arthur G. Convertible pedestal steering apparatus. 3,815,537, 6-11-74, Cl. 114-144.00r.

Evans, ARthur J.; and Randolph, Chester J., to Whitlock, Inc. Material level indicator sensor. 3,818,159, 6-18-74, Cl. 200-61.210.

Evans, Arthur J., to Whitlock, Inc. Blower control assembly for vacuum conveyor system. 3,836,288, 9-17-74, Cl. 417-307.000.

Evans, Brent R. Mathematical board game apparatus. 3,788,644, 1-29-74, Cl. 273-134.0ad.

Evans, Bruce Ronald, to Broken Hill Proprietary Company Limited, The. Gas distributors for fluidized beds. 3,792,816, 2-19-74, Cl. 239-553.000.

Evans, Bryce B.; and Elsner, Edwin C., to Aeroquip Corporation. Spring for composite sealing ring and method of manufacture. 3,837,631, 9-24-74, Cl. 267-1.500.

Evans, Chandler, Inc.: *See—*
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Evans, Charles W., Jr.: *See—*
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Evans, Clarence F. Fused igniting dispenser. 3,788,222, 1-29-74, Cl. 102-37.004.

Evans, Dale K.: *See—*
Meyer, Raymond W.; McGranghan, Francis R.; and Evans, Dale K., 3,847,707.

Evans, David: *See—*
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Evans, David; and Simpson, Alexander Bowen, to International Nickel Company, Inc., The. Vapor deposition apparatus. 3,844,251, 10-29-74, Cl. 118-48.000.

Evans, David G.: *See—*
Roselle, Pierce C.; Evans, David G.; and Bussma, Vaughn R., 3,843,877.

Evans, David H.; and Greenwald, Richard B., to Polaroid Corporation. Synthesis of 2-methoxytropones. 3,833,657, 9-3-74, Cl. 260-586.00m.

Evans, David J. I.: *See—*
Mackiw, Vladimir N.; Weir, Donald R.; Evans, David J. I.; and Maschmeyer, Dennis G., 3,816,098.

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Evans, David M.: *See—*
Chabala, Leonard V.; and Evans, David M., 3,787,651.

Evans, Delme, to Lilly Industries Limited. N-heteroarlidene erythromycyclamines. 3,794,635, 2-26-74, Cl. 260-210.00e.

Evans, Delme, to Lilly Industries, Limited. 7H-thiazolo-[3,2-a]pyrimidin-7-ones. 3,813,360, 5-28-74, Cl. 260-25.00a.

Evans, Dewey M.; and Johnson, Willard L., to Devansco, Inc. Air cleaning device. 3,811,252, 5-21-74, Cl. 55-228.000.

Evans, Dwight J. Ultrasonic pipeline inspection device. 3,810,384, 5-14-74, Cl. 73-67.80s.

Evans, Edgar J.: *See—*
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Evans, Edgar L., to United States of America, Army. Ballistic primer. 3,807,309, 4-30-74, Cl. 102-86.500.

Evans, Ernest C., to Kimberly-Clark Corporation. Plastic cushioning reinforced material. 3,837,991, 9-24-74, Cl. 161-68.000.

Evans, Eugene, Jr. Refuse collector. 3,822,802, 7-9-74, Cl. 214-518.000.

Evans, Francis J.; and McLaen, Donald F., to Eastman Kodak Company. Photothermographic element, composition and process. 3,801,321, 4-2-74, Cl. 96-48.0hd.

Evans, Francis John, to Eastman Kodak Company. Processes for obtaining positive images in silver halide compositions. 3,850,637, 11-26-74, Cl. 96-64.000.

Evans, George, Corporation, The: *See—*
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Evans, Gordon Homer; and Shennan, Jean Lindsay, to British Petroleum Company Limited, The. Fermentation process for converting hydrocarbons to proteinaceous materials. 3,846,238, 11-5-74, Cl. 195-28.00r.

Evans, Howard J.: *See—*
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Evans, Howard J., to Industrial Nucleonics Corporation. X-ray gauging method and apparatus with stabilized response. 3,843,884, 10-22-74, Cl. 250-272.000.

Evans, Jack R. Foldable cot. 3,797,051, 3-19-74, Cl. 5-82.000.

Evans, James D.: *See—*

Karsten, Fred W.; Evans, James D.; and Pool, Sam Lee, 3,810,148.

Evans, James D., to Armco Steel Corporation. Insulative coatings for electrical steels. 3,840,378, 10-8-74, Cl. 106-14.000.

Evans, James King. Heated liquid vacuum generator for use with a two chamber cleaning nozzle. 3,818,537, 6-25-74, Cl. 15-321.000.

Evans, James King. Liquid-vacuum generator for use with two chamber cleaning nozzle. 3,854,163, 12-17-74, Cl. 15-321.000.

Evans, James P.; and Avey, William R., Jr. Rachet type speed wrench. 3,802,303, 4-9-74, Cl. 81-185.000.

Evans, James P. Rapidly adjustable wrench. 3,817,128, 6-18-74, Cl. 81-145.000.

Evans, James Preston, to Johnson, Paul H. Combination torqueing and ratcheting wrench. 3,850,057, 11-26-74, Cl. 81-119.000.

Evans, James W., to Athletic Swing Measurement, Inc. Swing measurement system. 3,788,647, 1-29-74, Cl. 273-186.00a.

Evans, James W., to Athletic Swing Measurement, Inc. Three dimensional display system. 3,789,397, 1-29-74, Cl. 343-7.900.

Evans, James W., to Swing Measurement Inc. Swing measurement system and method employing simultaneous multi-swing display. 3,792,863, 2-19-74, Cl. 273-186.00a.

Evans, James W., to Athletic Swing Measurement, Inc. Swing measurement and display system for athletic implements. 3,806,131, 4-23-74, Cl. 273-186.00h.

Evans, Jerlmy Reginald: *See—*
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Evans, Jesse L.; and Hecker, Eugene L., to General Motors Corporation. Ventilated windowed oven door. 3,818,890, 6-25-74, Cl. 126-200.000.

Evans, Jesse L., to General Motors Corporation. One-piece range drawer having integral skids. 3,819,247, 6-25-74, Cl. 312-330.000.

Evans, Jesse L.; and Hecker, Eugene L., to General Motors Corporation. Ventilated windowed oven door. 3,855,994, 12-24-74, Cl. 126-198.000.

Evans, John: *See—*
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Evans, John A.; Chavis, Clarence S.; and Ward, Rodney R., to Clark, William H., III. Intrusion detection apparatus employing a pressure-differential detector. 3,829,851, 8-13-74, Cl. 340-258.00r.

Evans, John Brian, to Xerox Corporation. Guard circuit and dwell time limiting method for three level analog encoders. 3,806,639, 4-23-74, Cl. 178-6.000.

Evans, John C., Jr.; and Brandhorst, Henry W., Jr., to United States of America, National Aeronautics and Space Administration. Rapidly pulsed, high intensity, incoherent light source. 3,806,835, 4-23-74, Cl. 332-7.510.

Evans, John Ford: *See—*
Warman, Bloomfield James; Evans, John Ford; Walker, Stephen Sidney; Mc Pherson, John Hugh; and Sutton, Alan, 3,838,226.

Evans, John Grover; and Morse, Charles Ernest, to Bell Telephone Laboratories, Incorporated. Key telephone system transfer arrangement. 3,800,098, 3-26-74, Cl. 179-99.000.

Evans, John L., to Chubb Fire Security Limited. Foam-producing apparatus. 3,848,675, 11-19-74, Cl. 169-15.000.

Evans, John T., Jr., to Armco Steel Corporation. Metal pouring organization. 3,791,638, 2-12-74, Cl. 266-38.000.

Evans, John Yorath Gwynne, to National Research Development Corporation. Wind tunnel. 3,782,189, 1-1-74, Cl. 73-147.000.

Evans, Joseph H., to Raychem Corporation. Reversible thermochromic ionically and radiation cross-linked polymers containing cabaltous ions. 3,816,335, 6-11-74, Cl. 252-408.000.

Evans, Joseph H., to Raychem Corporation. Heat recoverable articles and methods therefor. 3,847,721, 11-12-74, Cl. 161-108.000.

Evans, Kenneth R.; and Newman, Morris, to Hydril Company. Encapsulated control line. 3,844,345, 10-29-74, Cl. 166-72.000.

Evans, Lee L., to Texas Instruments, Incorporated. Integrated structure amplifier with thermal feedback. 3,809,928, 5-7-74, Cl. 307-303.000.

Evans, Lee Stanley, to Courtaulds Limited. Corrosion protection. 3,798,142, 3-19-74, Cl. 204-147.000.

Evans, Leigh D.: *See—*
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Evans, Lewis Graham, to Fansteel Inc. Mining drill. 3,807,515, 4-30-74, Cl. 175-410.000.

Evans Medical Limited: *See—*
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Evans, Melvin W., to General Electric Company. Incandescent lamp and base. 3,852,631, 12-3-74, Cl. 313-318.000.

Evans, Melvyn Harold; and Tomlinson, Douglas Eric, to Gibbons, James, Limited. Door-closing mechanism. 3,838,477, 10-1-74, Cl. 16-55.000.

Evans, Milton L.: *See—*
Holub, Fred P.; and Evans, Milton L., 3,787,439.

Evans, Milton R., to Halliburton Company. Electronic combination lock selector unit. 3,835,680, 9-17-74, Cl. 70-278.000.

Evans, Norol T.: *See—*
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Evans, Norol T., to Hughes Aircraft Company. Automatic data processor. 3,836,964, 9-17-74, Cl. 343-7.00a.

Evans, O. T. Gas well equipment. 3,829,245, 8-13-74, Cl. 417-108.000.

Evans, Philip Henry; and Lane, Norman, to BSR Limited. Automatic record players. 3,826,504, 7-30-74, Cl. 274-15.00r.

Evans, Philip Henry, to Glenburn Engineering Limited. Record players. 3,847,400, 11-12-74, Cl. 274-1.001.

Evans, Philip Henry, to Glenburn Engineering Limited. Record players. 3,847,401, 11-12-74, Cl. 274-10.00r.

Evans, Philip J.; and Askam, John F., to Dunlop Limited. Diaphragm. 3,830,679, 8-20-74, Cl. 156-416.000.

Evans Products Company: *See—*
Beeson, Harry E., 3,820,475.
Bennett, James R., 3,788,238.
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Ford, Ralph E.; and Wright, Kim W., 3,810,274.
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Evans Products Company Transportation Systems Division: *See—*
Fuller, Oliver C., 3,845,726.

Evans, Ralph E.; and Blower, Howard E., to Armco Steel Corporation. Method of making an improved slot drainage culvert. 3,815,213, 6-11-74, Cl. 29-446.000.

Evans, Raymond H., to Calumite Company, The. Method of producing blast furnace slag products. 3,822,799, 7-9-74, Cl. 214-152.000.

Evans, Raymond H.; Myers, David D.; and Hunt, Wilbur W., to Calumite Company, The. Manufacture of colored glass. 3,830,639, 8-20-74, Cl. 65-19.000.

Evans, Raymond Victor: *See—*
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Evans, Richard E.; and McKinney, Claude Owen, to Standard Oil Company. Cyclone separation method and apparatus. 3,817,872, 6-18-74, Cl. 252-417.000.

Evans, Richard L. Document clamp. 3,792,511, 2-19-74, Cl. 24-248.0pc.

Evans, Robert A.: *See—*
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Evans, Robert A.; and Brundage, Horace W., to Consolidated Foods Corporation. Vacuum cleaner suction tool with orbital nozzles for cleaning deep pile shag rugs. 3,787,920, 1-29-74, Cl. 15-416.000.

Evans, Robert A.; and Brundage, Horace W., to Electrolux Division of Consolidated Foods Corporation. Vacuum cleaner suction tool with movable nozzles for cleaning deep pile shag rugs. 3,805,319, 4-23-74, Cl. 15-380.000.

Evans, Robert B. Multiposition holder for sheet metal edger. 3,855,834, 12-24-74, Cl. 72-179.000.

Evans, Robert C.; and Hehmann, Horst W., to General Electric Company. Broad band acoustic barrier. 3,819,008, 6-25-74, Cl. 181-33.00d.

Evans, Robert C.; and Dunbar, Donald K., to General Electric Company. Blunted leading edge fan blade for noise reduction. 3,844,677, 10-29-74, Cl. 416-84.000.

Evans, Robert Dee: *See—*
Kent, Ronald Allan; and Evans, Robert Dee, 3,804,779.

Evans, Robert E.: *See—*
Norton, Charles J.; Falk, David O.; and Evans, Robert E., 3,827,499.

Evans, Robert G. Method of reconditioning used steel drums. 3,798,066, 3-19-74, Cl. 134-27.000.

Evans, Robert G., Company: *See—*
Haase, Victor H., 3,834,369.

Evans, Robert W.; and Simmons, David M., Jr., to Phillips Petroleum Company. Apparatus for delivering waste fluids for combustion. 3,837,785, 9-24-74, Cl. 431-5.000.

Evans, Robley W., to Rexnord, Inc. Conveyor guided by dynamic vibration absorbers. 3,834,523, 9-10-74, Cl. 198-220.00a.

Evans, Ronald Arthur: *See—*
Boyd, Violet; Evans, Ronald Arthur; Holt, Kenneth Anthony; and Renfrew, Andrew Hunter Morris, 3,825,507.
Boyd, Violet; Evans, Ronald Arthur; Holt, Kenneth Anthony; and Renfrew, Andrew Hunter Morris, 3,830,835.
Boyd, Violet; Evans, Ronald Arthur; Holt, Kenneth Anthony; and Renfrew, Andrew Hunter Morris, 3,839,424.

Evans, Ross Hugh; Seltzer, Daniel Arron, and Young, Robert Leonard, to Gamon-Calmet Industries, Inc. Telemetering remote recording unit. 3,822,406, 7-2-74, Cl. 328-37.000.

Evans, Roy; and Saltonstall, Peter, to Hardaker, John T., Limited. Gripper type looms. 3,833,024, 9-3-74, Cl. 139-2.000.

Evans, Russell S.: *See—*
Gibney, Kelly B.; and Evans, Russell S., 3,846,403.

Evans, Stephen F.; and Sorensen, Eugene R., to Procter & Gamble Company, The. Machine for packaging flexible articles. 3,810,344, 5-14-74, Cl. 53-124.00d.

Evans, Theodore A.: *See—*
Conger, Marvin T.; Evans, Theodore A.; and Gordon, Larry A., 3,792,000.

Evans, Thomas Ernest: *See—*
Flint, George Norman; Evans, Thomas Ernest; and Hart, Anthony Christopher, 3,813,239.
Skedgell, Anthony Northcott; Smith, Victor Albert; and Evans, Thomas Ernest, 3,850,767.
Sutton, William Heald; Evans, Thomas Ernest; and Hart, Anthony Christopher, 3,832,292.

Evans, Thomas Ernest; and Sutton, William Heald, to International Nickel Company, Inc., The. Control of electrolytic coloring of chronium-containing alloys. 3,804,730, 4-16-74, Cl. 204-56.00r.

Evans, Trevor G.: *See—*
Milik, Rudolf F. L., 3,820,760.

Evans, W. P., & Son Limited: *See—*
Barrett, Austin, 3,804,473.
Dionne, Robert A., 3,801,170.

Evans, Wallace D., Jr., to Rolatape Corporation. Measuring wheel structure. 3,820,246, 6-28-74, Cl. 33-141.00r.

Evans, Wendell Irving, to Cincinnati Milacron Inc. Quick-change wheel guard for tool and cutter grinder. 3,818,648, 6-25-74, Cl. 51-268.000.

Evans, Wendell Irving, to Cincinnati Milacron Inc. Quick-change wheel guard for tool and cutter grinder. 3,820,288, 6-28-74, Cl. 51-269.000.

Evans, William B., to Improved Machinery Inc. Control apparatus and methods for molding machinery. 3,822,867, 7-9-74, Cl. 259-191.000.

Evans, William J.: *See—*
Douglas, Carl L.; Evans, William J.; Kiess, Ronald J.; and Sutton, Robert A., 3,845,875.

Evans, William Robert; and Zimmerman, Richard Henry, to AMP Incorporated. Electrical connections to conductors having thin film insulation. 3,818,415, 6-18-74, Cl. 339-17.00f.

Evans, William Robert, to AMP Incorporated. Electrical contact socket having improved contact spring. 3,818,424, 6-18-74, Cl. 339-258.00t.

Evans, William Robert, to AMP Incorporated. Wire-in-slot electrical connections. 3,824,527, 7-16-74, Cl. 339-97.00r.

Evans, William Thomas; and Fraser, Ian, to Fraser, Ian. Heating, cooling and ventilating grills. 3,836,073, 9-17-74, Cl. 236-49.000.

Evard, William N.: *See—*
Hughes, Robert G.; and Evard, William N., 3,802,565.

Eveleth, Jason H., to Isomet Corporation. High resolution laser beam recorder with self-focusing acousto-optic scanner. 3,851,951, 12-3-74, Cl. 350-161.000.

Even, George; deceased (by de la Querantonnais, Maitre Jacques Mahot; Legal representative), to Constructions Navales et Industrielles de la Mediterrance C.N.I.M. Trailor carriage with collapsible wheels. 3,832,932, 9-3-74, Cl. 89-40.00j.

Even, Georges. Rapid loading system for missiles. 3,786,715, 1-22-74, Cl. 89-1.805.

Ever-Roll Manufacturing Corporation, The: *See—*
Protzman, John M., 3,833,196.

Everbrite Electric Signs, Inc.: *See—*
Trame, Charles E., 3,783,539.

Everco Industries, Inc.: *See—*
Philipps, Virgil J., 3,791,406.

Everest & Jennings, Inc.: *See—*
Rodaway, Keith S., 3,857,606.

Everest, Charles E.; and Voznick, Henry P., to Wahl, William, Corporation. Fire control system. 3,803,974, 4-16-74, Cl. 89-1.50e.

Everett, Charles V.: *See—*
Barkstroma, Reynold; Everett, Charles V.; and Meitl, Harold G., 3,807,153.

Everett, George, to Gros Ite Industries, Inc. Apparatus for dispensing plastic material or the like. 3,782,329, 1-1-74, Cl. 118-215.000.

Everett, Nicholas Wynne, to Ibis Engineers Limited. Trouser presses. 3,823,854, 7-16-74, Cl. 223-73.000.

Everett, Peter Kenneth, to Mining Systems Limited, mesne. Sample pulverizing apparatus. 3,830,437, 8-20-74, Cl. 241-137.000.

Everett, Robert A. Aerial toy. 3,852,910, 12-10-74, Cl. 46-74.00d.

Everett, Vernon M. Fuel induction system for internal combustion engine. 3,851,634, 12-3-74, Cl. 123-133.000.

Everflex Products, Inc.: *See—*
Morin, Louis F., 3,820,825.
Morin, Louis F.; and McNeil, Edgar L., 3,857,415.

Everhard, Frederic U., Jr., to United States of America, Army. Broadband single-sideband variable frequency generator. 3,808,548, 4-30-74, Cl. 331-38.000.

Everhardt, William Franklin: *See—*
Dennis, Clement O.; and Everhardt, William Franklin, 3,809,592.

Everhart, Vaughn D.: *See—*
Griffin, Henry W.; and Everhart, Vaughn D., 3,840,292.

Everingham, Leslie, 1/2 to Papp, Alexander. Coupling for caravans and trailers. 3,794,354, 2-26-74, Cl. 280-478.00r.

Everitt, Delmar K.: *See—*
Goldfarb, Adolph E.; Everitt, Delmar K.; and Chesley, Ronald F., 3,829,094.

Everitt, Leroy E.: *See—*
Prusser, Forrest A.; and Everitt, Leroy E., 3,791,469.

Everitt, Scott F., to Acoustic Fiber Sound Systems, Inc. Sound reproduction system. 3,789,953, 2-5-74, Cl. 181-31.00b.

Everitt, Scott F.; Croup, Robert F.; and Strawn, Alvin A., to Acoustic Fiber Sound Systems, Inc. Loudspeaker enclosure. 3,804,195, 4-16-74, Cl. 181-31.00b.

Everitt, Scott F., to Indiana National Bank, The, mesne. Sound reproduction system. 3,811,532, 5-21-74, Cl. 181-156.000.

Everitt, Scott F., to Acoustic Fiber Sound Systems, Inc. Loud speaker housing systems. 3,848,696, 11-19-74, Cl. 181-156.000.

Everlast World Boxing Headquarters Corporation: *See—*
Golomb, David L., 3,815,905.
Golomb, David L., 3,836,146.

Everlasting Valve Company: *See—*
Fitzgerald, Thomas W., 3,788,346.

Evers and Wall Limited: *See—*
Skurray, Stephen J., 3,814,320.

Evers, James D., deceased (by Bender, Louisa E.; executors; and Bender, Donald A.), to Midland-Ross Corporation. Temperature resistant seal and valve assembly. 3,828,810, 8-13-74, Cl. 137-494.000.

Evers, Michael, to U.S. Philips Corporation. Record player. 3,844,570, 10-29-74, Cl. 274-1.00r.

Evers, Robert C., to United States of America, Air Force. Thermally stable perfluoroalkylene ether bibenzoxazole polymers. 3,846,376, 11-5-74, Cl. 260-61.000.

Evers, William J.; Heinsohn, Howard H., Jr.; and Mayers, Bernard J., to International Flavors & Fragrances Inc. 3-Thioacetyl or benzoyl-alkane-1,4 diones. 3,836,563, 9-17-74, Cl. 260-455.00r.

Evers, William J.; and Vock, Manfred H., to International Flavors & Fragrances Inc. Novel flavoring compositions and processes. 3,843,804, 10-22-74, Cl. 426-65.000.

Evers, William J.; and Sieczkowski, Joseph, to International Flavors & Fragrances Inc. Flavoring with an oxocyclic pyrimidine. 3,857,972, 12-31-74, Cl. 426-65.000.

Evers-Euterneck, Ernst T., to United States of America, Army. Constant bearing course homing missile. 3,841,585, 10-15-74, Cl. 244-3.150.

Eversberg, Gerhard: *See—*
Seelbach, Heinz; and Eversberg, Gerhard, 3,783,203.

Eversberg, Hans: *See—*
Vom Dorp, Walter; and Eversberg, Hans, 3,823,594.

Evershed, John L.: *See—*
Baxendale, Kenneth C.; Bergemann, Werner E.; Camp, David B.; Evershed, John L.; Howlett, Mason M.; and Waasdorp, Robert A., 3,830,607.

Eversole, Russell A.: *See—*
Scott, Harold W.; and Eversole, Russell A., 3,841,976.

Eversole, William C., to Kennametal Inc. Adjustable dovetail boring bar. 3,801,213, 4-2-74, Cl. 408-181.000.

Eversole, William C., to United States of America, Navy. Tool support. 3,856,428, 12-24-74, Cl. 408-240.000.

Everson, Charles W.: *See—*
Morse, Lewis D.; Hammes, Paul A.; and Everson, Charles W., 3,833,743.

Everson, Charles W.; Danner, Wilson E.; and Hammes, Paul A., to Merck & Co., Inc. Process for curing dry and semi-dry sausages. 3,814,817, 6-4-74, Cl. 426-56.000.

Everson, Evan P.: *See—*
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Eversteijn, Franciscus Cornelis; and Peek, Hermanus Leonardus, to U.S. Philips Corporation. Vapor depositing method. 3,816,166, 6-11-74, Cl. 117-106.000.

Everts, Robert G.: *See—*
Schramm, Buford J., 3,814,540.

Evertz, Egon: *See—*
Evertz, Egon; and Seybold, Rolf, 3,808,667.
Evertz, Egon; and Seybold, Rolf (said Seybold assor. to said), 3,822,509.
Seybold, Rolf; Evertz, Egon; and Stadler, Siegfried, 3,798,842.

Evertz, Egon; and Seybold, Rolf, to Evertz, Egon. Method of repairing cracked iron chills. 3,808,667, 5-7-74, Cl. 29-402.000.

Evertz, Egon; and Seybold, Rolf, said Seybold assor. to said Evertz, Egon. Long-arm grinding machine. 3,822,509, 7-9-74, Cl. 51-40.000.

Every, Peter: *See—*
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Evesque, Roger A.: *See—*
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Evett, H. Lee, to Griffolyn Company, Inc. Fastener. 3,792,510, 2-19-74, Cl. 24-243.00k.

EVG Entwicklungs- u. Verwertungsgesellschaft m.b.H.: *See—*
Gott, Hans; Ritter, Josef; Ritter, Klaus; and Ritter, Gerhard, 3,823,835.

EVG Entwicklungs- und Verwertungsgesellschaft m.b.H.: *See—*
Gott, Hans; Ritter, Klaus; Ritter, Josef; and Ritter, Gerhard, 3,857,271.
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EVG Entwicklungs- und Verwertungsgesellschaft m.b.H. Gesellschaft m.b.H.: *See—*
Gott, Hans; Ritter, Klaus; Ritter, Josef; and Ritter, Gerhard, 3,814,145.

Evgrafov, Boris Ivanovich: *See—*
Anisimov, Pavel Mikhailovich; Evgrafov, Boris Ivanovich; Kupeev, Jury Alexandrovich; Orlov, Boris Petrovich; Kotova, Antonina Nikolaevna; Turok, Galina Iosifovna; and Berman, Pavel Gdalievich, 3,831,045.

EVI: *See—*
Gates, Donald C., 3,827,310.

Evich, Vincent J., to Star-Kist Foods, Inc.,. Meal drying pollution control apparatus. 3,837,272, 9-24-74, Cl. 99-483.000.

Evjen, John M.; and Herrin, Jerry, to General Electric Company. System for absorption of explosive energy by pressure mitigation. 3,846,178, 11-5-74, Cl. 136-166.000.

Evnas, John L.; De Cotiis, C. John; and Johnson, Victor P., to Singer Company, The. Projectile having a gyroscope. 3,824,865, 7-23-74, Cl. 74-5.60d.

Evnin, Anthony B.; Rabo, Jule A.; Elek, Louis F.; Risch, Alan P.; and Kavarnos, Spiro J., to Union Carbide Corporation. Catalyst for the preparation of carbonyl-containing compositions. 3,830,757, 8-20-74, Cl. 252-464.000.

EVO Corporation: *See—*
Vokral, Edward J., 3,856,489.

Evrard, Jean Claude, to Rapee, George. Device for measuring fluid consumption. 3,798,963, 3-26-74, Cl. 73-113.000.

Evreinov, Anatoly Naumovich: *See—*
Brun-Tsekhovoi, Avgust Rafaelevich; Evreinov, Anatoly Naumovich; Stadnik, Vladimir Fedorovich; and Ilenko, Boris Kuzmich, 3,822,986.

Evseev, Vladimir Alexandrovich. Method of manufacturing of pressure hoses and device for effecting this method. 3,805,363, 4-23-74, Cl. 29-423.000.

Evtuhov, Viktor; Soffer, Bernard H.; and Tseng, David Y., to Hughes Aircraft Company. Enhanced field of view parametric image converter. 3,824,717, 7-23-74, Cl. 307-88.300.

Ewald, Frederick C. Joint prostheses. 3,798,679, 3-26-74, Cl. 3-1.000.

Ewald, Ronald F., to Seaquist Valve Company. Childproof safety adaptor. 3,786,968, 1-22-74, Cl. 222-402.110.

Ewald, Ronald F., to Seaquist Valve Company. Pressure relief system for an aerosol dispenser. 3,791,561, 2-12-74, Cl. 222-396.000.

Ewald, Ronald F. Valve button. 3,838,822, 10-1-74, Cl. 239-596.000.

Ewald, William P., to Eastman Kodak Company. Projector lap dissolve device. 3,841,748, 10-15-74, Cl. 353-83.000.

Ewan, Thomas K.: *See—*
Martin, Willis Leon; Holland, Orvis L.; Ewan, Thomas K.; and Hurse, James E., 3,852,409.

Ewan, Thomas K.; Holland, Orvis L.; Martin, Willis Leon; and Hurse, James E., to Lone Star Steel Company. Process for the removal of sulfur dioxide from carrier gases. 3,852,408, 12-3-74, Cl. 423-242.000.

Ewanus, Walter; and McKone, Donald B., to Westinghouse Electric Corporation. Differential encoded quadriphase demodulator. 3,838,350, 9-24-74, Cl. 329-104.000.

Ewart, John L., Jr., 20% interest to Lee, Raymond, Organization, Inc., The. Telescoping rigid boat. 3,822,427, 7-9-74, Cl. 9-2.00s.

Ewers, Ronald L., to Game Time, Inc. Playground support using compressible elastomer element. 3,837,610, 9-24-74, Cl. 248-374.000.

Ewert, Bruno; and Roos, Wilfried, to General Motors Corporation. Motor vehicle seat belt occupant-restraint system. 3,794,135, 2-26-74, Cl. 180-82.000.

Ewert, Bruno; and Stein, Gunter, to General Motors Corporation. Vehicle occupant-restraint arrangements. 3,841,657, 10-15-74, Cl. 280-150.0sb.

Ewert, Manfred; and Roggenbuck, Klaus, to TED Bildplatten Aktiengesellschaft. Foil record carrier. 3,830,506, 8-20-74, Cl. 274-39.00a.

Eweson, Anthony Frazer: *See—*
Eweson, Eric W.; and Eweson, Anthony Frazer, 3,814,588.

Eweson, Eric W.; and Eweson, Anthony Frazer. Apparatus for making organic fertilizer. 3,814,588, 6-4-74, Cl. 23-259.100.

Ewing, Bruce A.: *See—*
Dalal, Ranes P.; Walters, Jeremy J.; and Ewing, Bruce A., 3,793,011.
Dalal, Ranes P.; Walters, Jeremy J.; and Ewing, Bruce A., 3,807,993.

Ewing, Bruce A.; and Rizzo, Frank J., Jr., to Avco Corporation. Wrought superalloys. 3,825,420, 7-23-74, Cl. 75-171.000.

Ewing, James O.; and Reilly, Philip E., to Bendix Corporation, The. Deep ocean transponder. 3,786,404, 1-15-74, Cl. 340-2.000.

Ewing, Josh F., to Ewing-Records & Associates, Inc. Panel for use in a modular concrete form. 3,791,615, 2-12-74, Cl. 249-189.000.

Ewing, Kenneth W.: *See—*
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Ewing, Lionel Lee. Electrically operated two position electromechanical mechanism. 3,792,391, 2-12-74, Cl. 335-254.000.

Ewing, William M.: *See—*
Chang, Ji Young; Ewing, William M.; Fulkerson, William; McElroy, David L.; and Weaver, Samuel C., 3,804,928.

Ewing, William Steele, Jr.; Ellis, Thomas Walter; and Choate, William Clay, to Texas Instruments Incorporated. Nonlinear classification recognition system. 3,810,162, 5-7-74, Cl. 340-172.500.

Ewing-Records & Associates, Inc.: *See—*
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Ewry, Edwin E.: *See—*
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Ex-Cell Inc.: *See—*
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Excel Incorporated: *See—*
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Excel Industries, Inc.: *See—*
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Excelermatic, Inc.: *See—*
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Excello-Film Pak, Inc.: *See—*
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Exchem Holdings Limited: *See—*
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Excoffon, Jean, to Automobiles M. Berliet. Cylinder head for an internal combustion engine. 3,831,573, 8-27-74, Cl. 123-193.00h.

Exec (Proprietary) Limited: *See—*
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Exercycle Corporation: *See—*
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Exhibit Homes, Inc.: *See—*
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Exner, Jurgen H.; and Larsen, Eric R., to Dow Chemical Company, The. Halogenated neopentyl chloroformates. 3,823,175, 7-9-74, Cl. 260-463.000.

Exomet, Incorporated: *See—*
Bishop, Harold F.; and Deck, James R., 3,802,970.
Deck, James R.; and Howells, Norman C., 3,807,077.

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Triplett, Lee Magna; and Peterson, Wilmer R., 3,834,270.

Expert Automation, Inc.: *See—*
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Expert Precision Electronic Research: *See—*
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Explo-Ridgeway International Limited: *See—*
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Exploaterings Aktiebolaget T.B.F.: *See—*
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Exxon Production Research Company: *See—*
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Maurer, Willam C.; and Lock, Everett H., 3,854,735.
Exxon Research and Engineering Company: *See—*
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Eyer, Charles, to Consulta-Treuhand GmbH. Rotary piston machine with bypass regulation. 3,810,721, 5-14-74, Cl. 417-440.000.
Eygermans, Petrus Johannes, to Koninklijke Nederlandsche Gist- en Spiritusfabriek N.V. Preparation of enzymes in particulate form. 3,801,463, 4-2-74, Cl. 195-68.000.
Eyles, Thomas H.: *See—*
Lang, Theo O.; and Eyles, Thomas H., 3,838,772.
Eyman, Douglas R.; and Lewicki, Walter J., Jr., to Armstrong Cork Company. Process for producing decorative surface covering. 3,804,657, 4-16-74, Cl. 117-11.000.
Eymard, Pierre L.: *See—*
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Eymard, Pierre Luc Georges, to Laboratories J. Berthier S.A. Medicament and method of increasing the calcium content of the blood. 3,814,812, 6-4-74, Cl. 424-318.000.
Eysenring, Edward M., to Dual-Wide, Inc. Fold down eave for mobile home. 3,783,562, 1-8-74, Cl. 52-69.000.
Eyster, Charles U., to Becton, Dickinson and Company. Pocket assembly having adhesive means for attachment to a garment. 3,840,901, 10-15-74, Cl. 2-247.000.
Ezaki Glico Kabushiki Kaisha, The: *See—*
Hashimoto, Juzo; Kawamoto, Hisashi; Kanbara, Isao; Inoue, Akira; and Kitajima, Akira, 3,814,815.
Mori, Takahisa; and Matsubara, Izuru, 3,835,989.
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Ezekiel, Aaron David; Thurston, Elvin Frederick William; Harper, Michael Frederick; and Wood, Malcolm Barlow, to Ilford Limited. Light sensitive photographic material. 3,813,249, 5-28-74, Cl. 96-67.000.
Ezekiel, Aaron David, to Ilford Limited. Process for the production of α-amino-acid hydrohalides. 3,821,295, 6-28-74, Cl. 260-534.00s.
Ezell, Emory L., to Phillips Petroleum Company. Method for operating a compressor. 3,830,660, 8-20-74, Cl. 134-23.000.
Ezerets, Miron Aronovich: *See—*
Vainshtein, Boris Iosifovich; Zimin, Alexandr Vasilievich; Chernyshov, Evgeny Andreevich; Kurek, Margarita Evgenievna; Polivanov, Alexandr Nikolaevich; Bogovtseva, Ljudmila Petrovna; Starodubtsev, Eduard Sergeevich; Masljukov, Anatoly Ivanovich; Andreev, Vadimir Ivanovich; Ezerets, Miron Aronovich; and Zorov, Boris Ivanovich, 3,853,726.
Ezis, Andre; Goodyear, Michael U.; and Styhr, Karsten H., to Ford Motor Company. Method of making a bonded silicon nitride article having portions of different density. 3,854,189, 12-17-74, Cl. 29-420.000.
Ezoe, Mitsuhiko; and Inoue, Naohiko, to Nissan Motor Company, Limited. Electric control circuitry for vehicle power steering device. 3,820,619, 6-28-74, Cl. 180-79.20r.
F & O Research and Development Company: *See—*
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F & W Products, Inc.: *See—*
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Faber, Egon; Jaksch, Ernst; and Stark, Karl-Heinz, to Supramar AG. Retraction arrangement for the bow foil of hydrofoil craft. 3,804,047, 4-16-74, Cl. 114-665.00h.
Faber, George E.: *See—*
Kates, Frank F.; and Faber, George E., 3,786,635.
Faber, Guy; and Maggi, Carlo, to Brown Boveri & Company Limited. Blade construction for axial-flow turbo-machines and method of protecting turbo-machine blades against stress corrosion cracking. 3,834,833, 9-10-74, Cl. 416-241.000.
Faber, Josef: *See—*
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Faber, Kurt Heinrich Albert Erich, to Sandrik Aktiebolag. Cutting insert and cutting tool. 3,821,837, 7-2-74, Cl. 29-95.000.
Faber, Kurt Heinrich Albert Erich, to Sandvik Aktiebolag. Cutting insert and cutting tool assembly. 3,848,303, 11-19-74, Cl. 29-96.000.
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Fabish, Edward Francis; Tookey, James Robert; and Thompson, Richard Telman, to Illinois Tool Works Inc. Gear checking machine. 3,849,892, 11-26-74, Cl. 33-179.50r.
Fabit Corporation: *See—*
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Fabre, Albert; and Faure, Alphonse, to Rhone-Poulenc S.A. Microporous phenolic polyether membranes. 3,803,061, 4-9-74, Cl. 260-2.50m.
Fabre, Claude: *See—*
Durand, Jean-Pierre; Fabre, Claude; and Osgan, Masch, 3,855,162.
Fabre, Paul Marie Esteve Henry, to Societe Nationale Industrielle Aerospatiale. Indicator of the maximum torque usable on a helicopter driven by a turbo-motor. 3,795,363, 3-5-74, Cl. 235-78.000.
Fabre, Pierre; Giroud-Garampon, Robert; Gondrand, Michel; and Grenoble, Fernand Raymond, to Tunzini Amelioriair, Thermique, Aeraulique,. Apparatus for the surface coating of objects. 3,809,011, 5-7-74, Cl. 118-635.000.
Fabre, Pierre. Method of coating articles with electrostatically charged particles. 3,853,581, 12-10-74, Cl. 117-17.000.
Fabri, Jean; Friberg, Jean; and Siestrunck, Raymond, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Centrifugal supersonic compressor. 3,824,029, 7-16-74, Cl. 415-109.000.
Fabrica de Antibiotice Iasi: *See—*
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Fabricant, Norman. Air impulse board game apparatus. 3,830,501, 8-20-74, Cl. 273-134.00e.
Fabricant, Norman A. Toy straw with an internal moving figure. 3,834,068, 9-10-74, Cl. 46-44.000.
Fabricas Lucia Antonio Betere, S.A.: *See—*
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Fabricius, John H.; and Maher, John P., to Sprague Electric Company. Variable electronic component switch. 3,828,154, 8-6-74, Cl. 200-153.01b.
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Fabrique de Machines Andre Bechler S.A.: *See—*
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Fabris, Hubert J.; Herold, Robert J.; and Maxey, Edwin M., to General Tire & Rubber Company, The. Preparation and formulation of polyurethane foams. 3,850,861, 11-26-74, Cl. 260-2.5bc.
Fabris, Hubert Jakob; and Maxey, Edwin M., to General Tire & Rubber Company, The. Modified flexible polyetherurethane foams. 3,823,096, 7-9-74, Cl. 260-2.5ap.
Fabrizio, Gerardo, to Pierrel S.p.A. Water soluble derivative of erythromycin. 3,843,787, 10-22-74, Cl. 424-181.000.
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Fabry, Donald F., to Burroughs Corporation. System for testing solenoid response time under load and holding power under increasing load conditions. 3,823,366, 7-9-74, Cl. 324-28.00r.
Fabry, Donald F., to Burroughs Corporation. Apparatus for testing electrically actuated clutches. 3,845,479, 10-29-74, Cl. 340-213.00r.
Fabrycy, Marian; and Michalski, Stanislaw. Reading system or stroboscopic measuring instruments. 3,806,247, 4-23-74, Cl. 356-23.000.
Facchini, Bruno, to Alden Research Foundation. Apparatus for obtaining continuously transforming projected images. 3,843,244, 10-22-74, Cl. 353-2.000.
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Fachini, Robert M.; Kenna, Fenton L., Jr.; Barrett, Monroe C.; Nickla, Louis E.; and Graham, Robert L., to International Harvester Company. Automatic bale handling device. 3,788,495, 1-29-74, Cl. 214-6.00b.
Facius, Thomas F.: *See—*
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Fackler, George E., to General Electric Company. Water-power dishwasher. 3,807,636, 4-30-74, Cl. 239-226.000.
Fackler, George E., to General Electric Company. Liquid dispenser having improved overfill protector. 3,856,058, 12-24-74, Cl. 141-18.000.
Faconti, Victor, Jr., to Singer Company, The, mesne. Training simulator with novel malfunction insertion. 3,795,059, 3-5-74, Cl. 35-12.00d.

Faconti, Victor, Jr., to Singer-General Precision, Inc. Phase-oriented display. 3,815,261, 6-11-74, Cl. 35-12.00f.

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Facury, Guilherme. Convertible and pilable furniture sets for living rooms. 3,817,573, 6-18-74, Cl. 297-125.000.

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Fadden, Michael F. Orthopedic brace. 3,827,430, 8-6-74, Cl. 128-80.00e.

Faden, Carl. Means for lowering the mast on sailboats. 3,827,386, 8-6-74, Cl. 114-91.000.

Fader, John H.; Hegel, Robert W.; and West, Burke A., to Monroe Auto Equipment Company. Energy absorber for vehicle bumpers and the like. 3,782,769, 1-1-74, Cl. 293-88.000.

Fader, John H.; Keijzer, Johan H.; and Pierle, Willy R. J., to Monroe Belgium N.V. Shock absorber testing apparatus. 3,792,604, 2-19-74, Cl. 73-11.000.

Fader, John H.; Keijzer, Johan H.; Graulus, Marcel J. R.; and Beets, Roland H. C., to Monroe Belgium N.V. Shock absorber. 3,812,938, 5-28-74, Cl. 188-322.000.

Fader, John H.; Keijzer, Johan H.; Graulus, Marcel J. R.; and Beets, Roland H. C., to Monroe Belgium N.V. Shock absorber and piston valve structure. 3,827,539, 8-6-74, Cl. 188-322.000.

Fader, John H.; Keijzer, Johan H.; Graulus, Marcel J. R.; and Beets, Roland H. C., to Monroe Belgium N.V. Shock absorber and dirt shield therefor. 3,830,347, 8-20-74, Cl. 188-322.000.

Fader, John H.; Keijzer, Johan H.; and Verseboore, Reinhart A., to Monroe Belgium N.V. Shock absorber testing apparatus. 3,857,276, 12-31-74, Cl. 73-11.000.

Fader, Seymour, to Robin International, Inc. Two-stage copier. 3,809,476, 5-7-74, Cl. 355-113.000.

Fadler, Leonard L.; and Findley, C. Robert, to Leggett & Platt Incorporated. Sofa-sleeper. 3,854,153, 12-17-74, Cl. 5-13.000.

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Faersler, Adelmar; and Engle, Stewart E., to Sybron Corporation. No-can no-fill feeding star wheel. 3,797,537, 3-19-74, Cl. 141-142.000.

Faeth, Gerard M., to United States of America, Navy. Steady heat generating reactor. 3,838,658, 10-1-74, Cl. 114-20.00r.

Faffaelli, Joseph Gino; and Palmer, Reed Albert, to International Telephone and Telegraph Corporation. Glow coil ignitor. 3,812,324, 5-21-74, Cl. 219-553.000.

Faffart, Andre Georges; and Vinot, Claude Paul, to La Telemecanique Electrique. Pneumatic timer. 3,797,616, 2-19-74, Cl. 188-298.000.

Faffart, Georges Andre, to La Telemecanique Electrique. Bellows-type time delay device for retarded switch. 3,833,778, 9-3-74, Cl. 200-33.00r.

Fafrber, Peter: *See—*
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Fagan, Anthony Francis: *See—*
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Fagan, Arthur Wayne, to Union Oil Company of California. Packaging and purifying graphite. 3,848,739, 11-19-74, Cl. 206-443.000.

Fagan, Donald Frederick; and Hale, Rodney Barker, to Movalarm Limited. Television systems. 3,828,125, 8-6-74, Cl. 178-6.800.

Fagan, Franklin G., Jr., to Mallory, P. R., & Co., Inc. Heart pacer rechargeable cell and protective control system. 3,824,129, 7-16-74, Cl. 136-6.00r.

Fagan, Franklin G., Jr., to Mallory, P. R., & Co., Inc. Low temperature mercury oxide-zinc battery. 3,827,916, 8-6-74, Cl. 136-20.000.

Fagan, Lloyd D.: *See—*
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Fagen, John. Universal engine head lift. 3,811,576, 5-21-74, Cl. 212-35.00r.

Fager, Earl Elmer: *See—*
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Fager, Earl Elmer; and Wideburg, Norman Earl, to Abbott Laboratories. 1,4-Dihydroxy-3-N-pentyl-6,6,9-trimethyl-6A,7,10,10A - tetrahydroidibenzo[b,d]pyran. 3,808,234, 4-30-74, Cl. 260-345.300.

Fager, Earl Elmer; and Wideburg, Norman Earl, to Abbott Laboratories. Method of producing 1,4'-dihydroxy-3-N-pentyl-6,6, 9-trimethyl-6α,7,10,10-tetrahydrodibenzo [b-d] pyran. 3,822,188, 7-2-74, Cl. 195-51.00r.

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Faggetter, Francis Edward, to Bettor Packages (V.K.) Limited. Tape dispensing apparatus. 3,784,073, 1-8-74, Cl. 226-47.000.

Faggin, Federico: *See—*
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Faggotter, Neville Charles, to Australian Wire Industries Proprietary Limited. Primary water quench. 3,782,326, 1-1-74, Cl. 118-67.000.

Fagin, Earle Reid; and Latter, Charles Franklin, to Magnatech Ltd. Vehicle weigh scale. 3,842,922, 10-22-74, Cl. 177-1.000.

Faglioni, Auro, to Ates Componenti Elettronici S.p.A. Stabilizing network for CRT high-voltage power supply. 3,803,446, 4-9-74, Cl. 315-27.0sr.

Fagre, Raymond C.: *See—*
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Fagre, Raymond C.; and Kaiser, Elvin E., said Kaiser assor. to said Fagre, Raymond C. Drop bottom container. 3,797,878, 3-19-74, Cl. 294-71.000.

Fahey, Darryl R., to Phillips Petroleum Company. Process for recovering a nickel(O) oligomerization catalyst in the form of a nickel(II) dimerization catalyst. 3,800,000, 3-26-74, Cl. 260-666.0py.

Fahey, Darryl R., to Phillips Petroleum Company. Ruthenium(II) complexes as catalysts for selective hydrogenation of cyclic polyenes to cyclic monoenes. 3,804,914, 4-16-74, Cl. 260-666.00a.

Fahey, Darryl R., to Phillips Petroleum Company. 2,2'-Bis(chlorobis(triethylphosphine) nickel)biphenyl. 3,808,246, 4-30-74, Cl. 260-439.00r.

Fahey, Darryl R., to Phillips Petroleum Company. Preparation of bis(triorganophosphine)di(alkynyl) metal complexes. 3,818,063, 6-18-74, Cl. 260-439.00r.

Fahey, Darryl R.; and Kubicek, Donald H., to Phillips Petroleum Company. Alkynes removal from hydrocarbon streams. 3,819,738, 6-25-74, Cl. 260-677.00a.

Fahey, Darryl R., to Phillips Petroleum Company. Alkyne removal from hydrocarbon streams. 3,819,739, 6-25-74, Cl. 260-677.00a.

Fahey, Darryl R., to Phillips Petroleum Company. Synthesis of 5-vinylcyclohexa-1,3-diene. 3,856,868, 12-24-74, Cl. 260-666.00a.

Fahey, Dennis; and Cunningham-Smith, David, to Boulton, William, Limited. Vibro-gyratory mills. 3,814,335, 6-4-74, Cl. 241-69.000.

Fahey, Dennis M., to PPG Industries, Inc. Method of coating glass fibers with a combined sizing and coating compositions. 3,852,051, 12-3-74, Cl. 65-3.000.

Fahey, Dentis M., to PPG Industries, Inc. Process for applying a coating composition to glass fibers and the resulting coated fibers. 3,853,605, 12-10-74, Cl. 117-126.0gb.

Fahey, John J., Jr. Article transport means. 3,810,649, 5-14-74, Cl. 280-37.000.

Fahey, Wm. David; and Johnson, Robert W., to Singer Company, The. Non-impact printer. 3,832,488, 8-27-74, Cl. 178-15.000.

Fahlenberg, Paul, to Compur-Werk Gesellschaft m.b.H. & Co. Arrangement for recording pulses. 3,844,512, 10-29-74, Cl. 346-137.000.

Fahlman, Gosta H.; Lundborg, Gunnar; and Westberg, Johan Eric Hayden, to AGA Aktiebolag. Tubular diving equipment. 3,788,311, 1-29-74, Cl. 128-142.300.

Fahlstrom, Per Anders Herman Henningsson; and Gorling, Karl Goran, to Boliden Aktiebolag. Method of roasting fine granular sulphide material in fluidized bed furnaces. 3,856,506, 12-24-74, Cl. 75-3.000.

Fahnenstich, Rudolf; and Heese, Joachim, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the recovery of N-acyl-d-methionine and N-acyl-l-methionine. 3,845,110, 10-29-74, Cl. 260-501.120.

Fahnstrom, Dale E.: *See—*
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Fahralloy Company, The: *See—*
Annal, James M., 3,789,995.
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Fahrbach, Rudolf, to Universal Manufacturing Company, Inc. Toroidal coil-winding machine. 3,799,462, 3-26-74, Cl. 242-4.00b.

Fahre, Tore, to Farex Fabrikker A/S. Vent opening grill. 3,786,738, 1-22-74, Cl. 98-114.000.

Fahrenholtz, Kenneth Earl, to Hoffmann-La Roche Inc. Steroid carbamates. 3,787,453, 1-22-74, Cl. 260-397.400.

Fahrenholtz, Kenneth Earl, to Hoffmann-La Roche Inc. Steroidal azolide-l-carboxylates. 3,816,412, 6-11-74, Cl. 260-239.500.

Fahrenholz, Harley D. Rock picker with high lift dump box. 3,782,477, 1-1-74, Cl. 171-12.000.

Fahrenwald, Francis M., to Fahralloy Company, The. High temperature belt link construction. 3,824,868, 7-23-74, Cl. 74-235.000.

Fahrner, Richard L., to United States of America. Sampled signal servo control system. 3,805,137, 4-16-74, Cl. 318-636.000.

Fahrner, Willard F. Apparatus and method for dredging, retention, transport and disposal of dredged material. 3,820,258, 6-28-74, Cl. 37-58.000.

Faiks, Frederick S., to Steelcase Inc. Drawer interlock. 3,799,638, 3-26-74, Cl. 312-216.000.

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Fail Safe Brake Corporation: *See—*
Fontaine, John G., 3,830,330.
Fontaine, John G., 3,830,332.
Fontaine, John G., 3,831,698.
Fontaine, John G., 3,831,703.
Fontaine, John G., 3,842,950.
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Fontaine, John Garfield, 3,846,599.

Failing, Jim E. Liquid wax dispenser. 3,784,311, 1-8-74, Cl. 401-137.000.

Faille, Harold E., to Guilford Mills, Inc. Beam shafting apparatus. 3,823,451, 7-16-74, Cl. 28-41.000.

Faille, Marc Della: *See—*
Mercier, Jean; Faille, Marc Della; and Bleiman, Claude, 3,839,062.

Faillon, Georges: *See—*
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Fails, Julius G. Preheating system for plywood hot press machine. 3,785,279, 1-15-74, Cl. 100-93.00p.

Fainman, Morton; and McAuley, Charles Strouse. Method of purifying lubricating oils. 3,819,508, 6-25-74, Cl. 208-180.000.

Fainman, Morton; and McAuley, Charles Strouse. Method of purifying lubricating oils. 3,835,035, 9-10-74, Cl. 208-181.000.

Fair, Delbert W., to Continental Oil Company. Air cushion seismic signal source. 3,792,751, 2-19-74, Cl. 181-.5vm.

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Fairaizl, Max L.: *See—*
Martinec, Eugene F.; and Fairaizl, Max L., 3,818,540.

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Fairand, Barry P.: *See—*
Mallozzi, Philip J.; and Fairand, Barry P., 3,850,698.

Fairbairn, Leroy W.; and Dyce, John W., to Bendix Corporation, The. Hermaphroditic electrical connector with front releasable and rear removable electrical contacts. 3,827,007, 7-30-74, Cl. 339-49.00r.

Fairbank, William M.: *See—*
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Fairbank, Winthrop H., to Northrop Corporation. Ball-bearing retainers. 3,832,023, 8-27-74, Cl. 308-201.000.

Fairbanks, Bernard: *See—*
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Fairbanks, Charles W.; and Leinen, Roger W., to Minnesota Mining and Manufacturing Company. Fabric pattern construction method. 3,821,055, 6-28-74, Cl. 156-309.000.

Fairbanks, "EJ:" L. Heat engine. 3,785,144, 1-15-74, Cl. 60-25.000.

Fairbanks, George M.: *See—*
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Fairbanks, John B., Jr. Lock apparatus for hoistable vehicle structures. 3,847,244, 11-12-74, Cl. 180-89.00a.

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Fairbanks Morse Inc.: *See—*
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Fairbanks, Theodore H., to FMC Corporation. Method of making foraminous structures. 3,847,701, 11-12-74, Cl. 156-259.000.

Fairchild Camera and Instrument Corporation: *See—*
Amelio, Gilbert F.; and Salsbury, Phillip J., 3,836,409.
Amelio, Gilbert F.; and Salsbury, Phillip J., 3,853,634.
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Lehrer, William I., 3,788,723.
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Fairchild, Harold W., to Outboard Marine Corporation. Battery charger. 3,855,516, 12-17-74, Cl. 320-22.000.

Fairchild Hiller Corporation: *See—*
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Fairchild, John L.: *See—*
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Fairchild, Willis A. Tobacco substitute. 3,814,108, 6-4-74, Cl. 131-2.000.

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Fairfield, Hugh J., to Du Pont of Canada Limited. Conversion method for textile filaments. 3,797,073, 3-19-74, Cl. 19-83.000.

Fairfield, Jan Dawidowicz; and Ferraro, Frank A., to Warner-Lambert Company. Adjustable safety razor. 3,793,725, 2-26-74, Cl. 30-63.000.

Fairhope Fabrics, Inc.: *See—*
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Fairweather, John Anthony; and Dalton, Ronald James, to Imperial Chemical Industries Limited. Purification of aromatic hydrocarbons. 3,835,037, 9-10-74, Cl. 208-260.000.

Faisandier, Jacques. Hydraulic servo mechanism. 3,822,634, 7-9-74, Cl. 91-384.000.

Faison, Robert C.: *See—*
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Faiss, Gerhard: *See—*
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Faith, Herman Eldridge, to Dow Chemical Company, The. Substituted-5-(2,4,6-trihalophenoxy-methyl)-2-oxazoline compounds. 3,818,028, 6-18-74, Cl. 260-307.00f.

Faiveley S.A.: *See—*
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Fajer, Jack: *See—*
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Fake, Charles Sylvester, to Beecham Group Limited. 7-Alkyl-2,2-dimethyl-4-(1-aralkyl-1,2,3,4 -tetrahydro-4-pyridyl)-chroman-5-ols and derivatives thereof. 3,853,899, 12-10-74, Cl. 260-297.00b.

Fakoury, Richard. License holder. 3,829,995, 8-20-74, Cl. 40-16.000.

Falabella, Rafael. Apparatus and methods for obtaining and making skin grafts. 3,782,387, 1-1-74, Cl. 128-305.000.

Falbe, Jurgen: *See—*
Feichtinger, Hans; Noeske, Heinz; and Falbe, Jurgen, 3,803,239.
Noeske, Heinz; Feichtinger, Hans; and Falbe, Jurgen, 3,804,901.

Falbel, Gerald, to Wormser Scientific Corporation. Solar energy system for a building. 3,841,302, 10-15-74, Cl. 126-270.000.

Falbo, Richard R.: *See—*
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Falchle, Jorg: *See—*
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Wanner, Karl; Schmid, Wolfgang; Karl, Hubertus; and Falchle, Jorg, 3,847,229.

Falciai, Fabrizio; Falciai, Riccardo; Falciai, Giuseppe; and Falciai, Renzo. Symmetrical rotary pump for a variable speed hydrostatic transmission. 3,834,841, 9-10-74, Cl. 418-26.000.

Falciai, Giuseppe: *See—*
Falciai, Fabrizio; Falciai, Riccardo; Falciai, Giuseppe; and Falciai, Renzo, 3,834,841.

Falciai, Renzo: *See—*
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Falciai, Riccardo: *See—*
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Falck, Rolf Christian Luja: *See—*
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Falckenberg, Richard, to Siemens Aktiengesellschaft. Method of dividing MG-AL spinel substrate wafers coated with semiconductor material and provided with semiconductor components. 3,816,906, 6-18-74, Cl. 29-583.000.

Falcon, Floyd B. Method of making receipts folder. 3,850,083, 11-26-74, Cl. 93-35.0pc.

Falcone, Anthony J. Corn kernel removing tool. 3,805,384, 4-23-74, Cl. 30-121.500.

Falcone, Francesco; and Hunnes, Odd Peder, to Aktiebolaget Bofors. Device for a straddle-carrier or a similar vehicle. 3,841,429, 10-15-74, Cl. 180-77.00s.

Falconi, Giovanni: *See—*
Gardi, Rinaldo; Vitali, Romano; and Falconi, Giovanni, 3,840,568.

Falconieri, Remo: *See—*
Guerrini, Gian Paolo; and Falconieri, Remo, 3,799,311.

Faldi, Giovanni. Pump used in dredging systems operating with compressed air. 3,791,763, 2-12-74, Cl. 417-118.000.

Faldi, Giovanni. Porcess and apparatus for achieving the mechanical trenching of a pipe-line in a sub-aqueous depth. 3,803,856, 4-16-74, Cl. 61-724.000.

Faldi, Giovanni. Submersible dredging pump and shovel arrangement with suspension and towing means therefor. 3,842,521, 10-22-74, Cl. 37-57.000.

Falen, Walter S.; and Giardina, Anthony J., to General Motors Corporation. Fuel injection system. 3,788,287, 1-29-74, Cl. 123-52.0mv.

Fales, Douglas I., to General Motors Corporation. Ignition spark vacuum advance system. 3,810,451, 5-14-74, Cl. 123-117.00a.

Fales, Douglas I., to General Motors Corporation. Metering rod with position indicating means. 3,850,196, 11-26-74, Cl. 137-554.000.

Faletti, Franco: *See—*
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Petrini, Guido; Moreschini, Luciano; Marciandi, Franco; and Faletti, Franco, 3,801,621.

Falik, Andrew M.: *See—*
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Falitz, Leonard. Tennis ball retriever. 3,804,449, 4-16-74, Cl. 294-19.00a.

Falize, Claude: *See—*
Biarnais, Paul; Falize, Claude; and Sitaud, Gilbert, 3,849,475.

Falize, Claude; and Bouniot, Albert, to Rhone-Progil. Process for the transesterification of unsaturated esters. 3,836,576, 9-17-74, Cl. 260-486.00r.

Falk, David O.: *See—*
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Norton, Charles J.; and Falk, David O., 3,825,069.
Norton, Charles J.; Falk, David O.; and Evans, Robert E., 3,827,499.
Norton, Charles J.; and Falk, David O., 3,853,802.

Falk, Edward J., to Wagner Electric Corporation. Brake shoe. 3,835,962, 9-17-74, Cl. 188-73.100.

Falk, Edward J., to Wagner Electric Corporation. Parking brake and wear adjustment means. 3,848,704, 11-19-74, Cl. 188-71.800.

Falk, Hermann; and Reifenhauser, Fritz, to Reifenhauser KG. Method of making a synthetic-resin-fiber mat. 3,806,390, 4-23-74, Cl. 156-229.000.

Falk, Leonard P.; and Stadler, Robert L., to UMC Industries Inc. Bowl or cup dispenser. 3,795,344, 3-5-74, Cl. 221-116.000.

Falk, Mervin L.; and Olah, Louis, to Newell Industries Inc. Time base error correction system and method. 3,787,616, 1-22-74, Cl. 178-6.60a.

Falk, Morris: *See—*
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Falk, Morris, to Fort Lock Corporation. Tubular key decoder. 3,831,282, 8-27-74, Cl. 33-169.00b.

Falk, Morris, to Fort Lock Corporation. Key retaining lock. 3,855,824, 12-24-74, Cl. 70-38.00a.

Falk, Richard A. Immersion sample cartridge. 3,791,219, 2-12-74, Cl. 73-425.40r.

Falk, Richard A.; and Falk, William R. Pneumatic metal sampler. 3,791,220, 2-12-74, Cl. 73-425.600.

Falk, Richard A. Immersion sampler with a soluble deoxidant. 3,805,621, 4-23-74, Cl. 73-425.40r.

Falk, Robert A.: *See—*
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Falk, Roland: *See—*
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Falk, Sidney: *See—*
Kotov, Illijus; Falk, Morris; and Falk, Sidney, 3,818,798.

Falk, Sidney, to Fort Lock Corporation. Bicycle lock carrying bracket. 3,848,783, 11-19-74, Cl. 224-39.00r.

Falk, William R.: *See—*
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Falke, Erich: *See—*
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Falkehag, Sten I.; and Braddon, David V., to Westvaco Corporation. Elastomer stabilization with lignin-based materials. 3,789,043, 1-29-74, Cl. 260-17.500.

Falkehag, Sten I.; and Bailey, Carl W., III, to Westvaco Corporation. Dyestuff compositions containing lignin surfactants carboxy substituted. 3,841,887, 10-15-74, Cl. 106-123.0lc.

Falkehag, Sten, II; and Bailey, Carl W., III, to Westvaco Corporation. Dyestuff compositions containing sulfomethylated phenolic-formaldehyde resin dispersants stabilized with urea or ammonia. 3,788,808, 1-29-74, Cl. 8-34.000.

Falkenau, Vernon A.: *See—*
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Falkenberg, Dieter: *See—*
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Falkenberg, Norman W. Collapsible wheelchair. 3,838,869, 10-1-74, Cl. 280-42.000.

Falkenhag, Sten I.: *See—*
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Falkenhain, Wilhelm: *See—*
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Falkenstein, Georg: *See—*
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Falkner, Chester B., to Deep Oil Technology, Inc. Subsea button-type electrical connector. 3,848,949, 11-19-74, Cl. 339-75.00m.

Falkner, Raimund; and Grune, Heinz, to RAPENA Patent- und Verwaltungs-AG. Method of making profiled rails and bodies composed thereof. 3,841,134, 10-15-74, Cl. 72-181.000.

Fall, Herbert S.: *See—*
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Fallandy, Martin A.: *See—*
Kinzer, Jackson E.; and Fallandy, Martin A., 3,857,755.

Faller, Werner: *See—*
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Fallert, Erich: *See—*
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Falletta, Thomas S.; and Pugliese, Paul Jones, to Harcourt Brace Jovanovich, Inc. Box for tape reels. 3,812,960, 5-28-74, Cl. 206-387.000.

Falling, Kjele, to Tabo Industriugnar AB. Apparatus for preparing ashes in crematories. 3,837,301, 9-24-74, Cl. 110-3.000.

Fallon, Craig R., to Owens-Corning Fiberglas Corporation. Apparatus for combining linear bodies into a composite product. 3,792,821, 2-19-74, Cl. 242-42.000.

Fallon, Herbert J., to Bendix Corporation, The. Rotary work carrier arrangement for a double disc grinder. 3,800,476, 4-2-74, Cl. 51-118.000.

Fallon, Herbert J.; and Garnett, Jack L., to Bendix Corporation, The. Work feeder for a double disc grinder. 3,803,769, 4-16-74, Cl. 51-112.000.

Fallon, Joseph Rogers, to Western Electric Company, Incorporated. Indentifier arrangement. 3,808,380, 4-30-74, Cl. 179-175.20r.

Fallon, Merton R., to Draft Systems, Inc. Beer keg protective device. 3,848,631, 11-19-74, Cl. 137-505.110.

Fallows, Walter Joseph, Jr., to Pneumo Dynamics Corporation. Booster valve control mechanism. 3,805,670, 4-23-74, Cl. 91-378.000.

Fallwell, William F., Jr., to Monsanto Company. Composition comprising ethylene[vinyl chloride]N-methylolacrylamide terpolymer, starch and a mineral pigment for coating paper. 3,846,354, 11-5-74, Cl. 260-17.4st.

Faloon, William L., to General Motors Corporation. Control lever assembly. 3,824,948, 7-23-74, Cl. 116-124.00r.

False Creek Industries Ltd.: *See—*
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Faltin, Hans G., to Advance Enterprises, Inc. Paper trimming knife system. 3,813,981, 6-4-74, Cl. 83-500.000.

Faltot, Maurice J.; and Voltmer, Helmut, to NJM, Inc. Apparatus for automatically registering and combining two sheet members. 3,856,607, 12-24-74, Cl. 156-351.000.

Family Products, Inc.: *See—*
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Famolare, Joseph P., Jr., 3,842,518.

Famolare, Joseph P., Jr., to Famolare, Inc. Clog construction. 3,810,319, 5-14-74, Cl. 36-11.500.

Famolare, Joseph P., Jr., to Famolare, Inc. Cross-country ski boot. 3,842,518, 10-22-74, Cl. 36-2.5al.

Fan, George J.; and Toupin, Richard A., to International Business Machines Corporation. Recording system utilizing magnetic deflection. 3,805,272, 4-16-74, Cl. 346-75.000.

Fan, Hsing Y., to Shell Oil Company. Nematode control employing certain helo-α-Alkyl-benzyl alcohols. 3,814,807, 6-4-74, Cl. 424-343.000.

Fan, Hsing Y., to Shell Oil Company. Sulfonic acid esters. 3,840,579, 10-8-74, Cl. 260-456.00r.

Fan, Hsing Y., to Shell Oil Company. Phosphoramidothioates. 3,856,897, 12-24-74, Cl. 260-959.000.

Fan, You Ling; and Greggshaw, Richard, to Union Carbide Corporation. Coupling solid substrates using silyl peroxide compounds. 3,856,606, 12-24-74, Cl. 156-329.000.

Fanaritis, John Peter, to Struthers Scientific and International Corporation. Fluidized bed process. 3,795,057, 3-5-74, Cl. 34-10.000.

Fancher, Llewellyn W., to Stauffer Chemical Company. Cinnamyl carbamates and their utility as herbicides. 3,790,363, 2-5-74, Cl. 71-106.000.

Fancher, Llewellyn W., to Stauffer Chemical Company. Plant growth regulators. 3,846,112, 11-5-74, Cl. 71-76.000.

Fane, William J.: *See—*
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Fanelli, Anthony Joseph; Blank, Gerlinde Metzler; and Rauch, Francis Clyde, to American Cyanamid Company. Catalytic hydration of acrylonitrile to acrylamide. 3,801,639, 4-2-74, Cl. 260-561.00n.

Fang, James C., to Du Pont de Nemours, E. I., and Company. Aqueous coating composition containing metallic pigmented coated with ionizable perfluoroalkyl surfactant. 3,839,254, 10-1-74, Cl. 260-29.6mm.

Fang, Yang, to International Business Machines Corporation. Vestigial sideband signal generator. 3,835,391, 9-10-74, Cl. 325-136.000.

Fangel, Henning. Recovery of ores and minerals while using ice as means of support in mined rooms. 3,790,215, 2-5-74, Cl. 299-11.000.

Fanger, Gene O., to National Cash Register Company, The. Minute capsules having walls of siliceous material-hydroxy-containing material complex and process for their manufacture. 3,791,987, 2-12-74, Cl. 252-316.000.

Fanger, Gene O.; Flinn, James E.; Hollingsworth, Ralph G.; and Nack, Herman, to Mennen Company, The. Microcapsules and method of making same. 3,843,557, 10-22-74, Cl. 252-316.000.

Fangmeier, Ralf; Goeke, Alfons; Krafft, Erich; and Koch, Rolf Eckard, to Kieserling, Th. & Albrecht. Method of straightening elongated workpieces. 3,798,948, 3-26-74, Cl. 72-162.000.

Fanini, Luigi. Module for furniture development. 3,848,942, 11-19-74, Cl. 312-257.00r.

Fann, James D. Heat control apparatus. 3,814,902, 6-4-74, Cl. 219-492.000.

Fann, James D. Mud balance. 3,821,901, 7-2-74, Cl. 73-437.000.

Fannin, Richard C., to Bendix Corporation, The. Emergency release system for fluid pressure brakes. 3,790,222, 2-5-74, Cl. 303-9.000.

Fannin, Wayne V.; and Schultze, Harold E., to General Motors Corporation. Energy dissipating unit. 3,814,219, 6-4-74, Cl. 188-282.000.

Fannin, Wayne V., to General Motors Corporation. Combined fill, pressure relief and bleed valve assembly for pressure vessels. 3,834,412, 9-10-74, Cl. 137-68.000.

Fanning, William J., to Western Electric Company, Incorporated. Packaged electrical component assembly and method of fabrication. 3,806,766, 4-23-74, Cl. 317-10.ccl.

Fannon, Robert D.: *See—*
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Fannon, Robert D., Jr., to Harsco Corporation. Automatic window washer. 3,803,656, 4-16-74, Cl. 15-302.000.

Fanshawe, William Joseph; and Safir, Sidney Robert, to American Cyanamid Company. Cycloproply 1,2,4-oxadiazolyldiazines. 3,857,843, 12-31-74, Cl. 260-256.40r.

Fanshier, Chester. Excess flow check valve. 3,794,077, 2-26-74, Cl. 137-513.300.

Fansler, John David; and Okarma, Stanley F., to United Aircraft Corporation. Ballistically tolerant bellcrank/rod-end. 3,842,687, 10-22-74, Cl. 74-469.000.

Fansteel Inc.: *See—*
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Glaski, Frederick A., 3,784,403.

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Farian, Gerhard; and Fink, Willi, to Kaltenbach & Voigt. Dental handpiece of straight or angle type. 3,787,977, 1-29-74, Cl. 32-27.000.

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Fariello, Leonard Anthony Method and means for mounting coins and the like. 3,848,311, 11-19-74, Cl. 29-160.600.

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Faris, George N.; and DesChamps, Nicholas Howard, to Donbar Development Corporation. Rotatable heat exchanger. 3,835,921, 9-17-74, Cl. 165-86.000.

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Farley, Charles Edward; and Grayson, Martin, to American Cyanamid Company. 1,2-Azaphospholanes and their 2-oxides, 2-sulfides and salts and preparation thereof. 3,846,374, 11-5-74, Cl. 260-55.10p.

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Farmer, Ernest Leonard; and Whitmore, Dennis William, to Wildt Mellor Bromley, Limited. Patterning mechanism for circular knitting machines. 3,805,554, 4-23-74, Cl. 66-50.00b.

Farmer, Everett L. Self-heating wax modeling spatula. 3,800,122, 3-26-74, Cl. 219-239.000.

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Farmer, John E., to Farmer Mold & Machine Works, Inc. Molten metal delivery system. 3,815,623, 6-11-74, Cl. 137-142.000.

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Fassel, Velmer A.: *See—*
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Fassell, W. Martin; and Bridges, Donald W., to Barber-Colman Company. Reactor for wet oxidation of organic matter. 3,852,192, 12-3-74, Cl. 210-63.000.

Fassell, Wayne M., to Philco-Ford Corporation. Refractory article having high thermal shock resistance. 3,811,900, 5-21-74, Cl. 106-55.000.

Fassell, Wayne M., to Philco-Ford Corporation. Duplex sealing process. 3,852,124, 12-3-74, Cl. 148-6.150.

Fassett, Gardner Luther: *See—*
Segro, Jacob Francis; and Fassett, Gardner Luther, 3,807,006.

Fassett, John R., to Collins Radio Company. Photo-masking process. 3,823,015, 7-9-74, Cl. 96-36.000.

Fassle, Fritz: *See—*
Cherdron, Egon; Haerter, Manfred; Fassle, Fritz; Forster, Hans-Joachim; and Potencsik, Istvan, 3,797,758.

Fassy, Henri; Lalet, Philippe; and Miletto, Andre, to Societe Anonyme dite: Aquitaine Total Organico Tour Aquitaine. Vinyl chloride copolymers suitable for cross-linking. 3,804,814, 4-16-74, Cl. 260-87.50r.

Fast Heat Element Manufacturing Co., Inc.: *See—*
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Fast Load Control Inc.: *See—*
Park, Robert H., 3,848,138.
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Schoplin, Jerome T., 3,802,655.

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Fasulati, Rady Kirillovich: *See—*
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Fath, Joseph: *See—*
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Fath, Joseph, to Tenneco Chemicals, Inc. Corrosion inhibiting gel for electrical connectors. 3,833,513, 9-3-74, Cl. 252-389.00r.

Fathauer, George H., to Dickey-John Corporation. Weight responsive moisture tester having time delay means and temperature compensation. 3,794,911, 2-26-74, Cl. 324-61.0qs.

Fathauer, George H.; and Mathis, Cecil E., to Masco Corporation. Scanning control circuit for use in signal-seeking radio receiver. 3,821,651, 6-28-74, Cl. 325-470.000.

Fathauer, George H.; and Bachman, Wesley J., to Dickey-john Corporation. Controlled population planter system. 3,855,953, 12-24-74, Cl. 111-1.000.

Fathauer, Jack E.; and Gottlieb, Carl R., to Midland-Ross Corporation. Hoisting equipment including spreader with longitudinal and transverse tilting mechanism. 3,789,998, 2-5-74, Cl. 212-125.000.

Fathom Oceanology Limited: *See—*
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Hale, Neville E., 3,782,319.

F.A.T.M.E. S.p.A.: *See—*
Montolivo, Sergio; and Squartini, Giorgio, 3,796,295.

Fatosme, Albert; and Coste, Henri. Building structure made of standardized components. 3,824,754, 7-23-74, Cl. 52-228.000.

Fattor, Arthur P. Form for wall panels with imbedded heating tubes. 3,856,254, 12-24-74, Cl. 249-39.000.

Fattore, Vittorio: *See—*
Groppelli, Giovanni; Vecchio, Martino; Lodi, Luciano; Covini, Ramano; and Fattore, Vittorio, 3,793,229.
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Fattore, Vittorio; Mazzei, Marcello; and Notari, Bruno, to Snam Progetti S.p.A. Process for disproportionating the olefins. 3,792,107, 2-12-74, Cl. 260-683.00d.

Fattore, Vittorio; and Notari, Bruno, to Snam Progetti S.p.A. Catalytic composition and its application to the production of unsaturated nitriles and to the oxidation of olefines. 3,850,975, 11-26-74, Cl. 260-465.300.

Fattori, Silvano: *See—*
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Fatula, James J., to Ryman Engineering Company. Self-centering rolls. 3,810,571, 5-14-74, Cl. 226-192.000.

Fatzer, Willy: *See—*
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Porret, Daniel; and Fatzer, Willy, 3,809,696.

Faubl, Hermann, to Pfizer Inc. Process for citric acid production and intermediates therefor. 3,852,322, 12-3-74, Cl. 260-464.000.

Faucette, Reese E. Energy recovery and conversion system. 3,857,244, 12-31-74, Cl. 60-641.000.

Faucher, Michele, nee Dupre: *See—*

Anthony, Anne-Marie, nee Barbier; Dembinski, Krzysztof; Faucher, Michele, nee Dupre; and Dupont, Lucien, 3,786,165.

Faucheux, Pierre, to Etablissement Fresa Vaduz. Composite slide rule. 3,831,840, 8-27-74, Cl. 235-89.00r.

Faucheux, Pierre, to Etablissement Fresa. Method of assembling a framework. 3,857,150, 12-31-74, Cl. 29-155.00r.

Faugeras, Anne-Marie: *See—*
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Faugeras, Anne-Marie; and Lambert, Andre, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Device for determining the direction of propagation of a plane wave. 3,792,479, 2-12-74, Cl. 343-113.00r.

Fauke, Allen R.; and Buriks, Rudolf S., to Petrolite Corporation. Polymeric quaternary ammonium betaines. 3,819,589, 6-25-74, Cl. 260-78.50t.

Fauland, Erich: *See—*
Jahn, Werner; Kampe, Wolfgang; Fauland, Erich; Juhran, Wolfgang; and Stork, Harald, 3,787,391.
Kampe, Wolfgang; Fauland, Erich; Stork, Harald; Juhran, Wolfgang; and Dietmann, Karl, 3,817,981.
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Stork, Harold; Schmidt, Felix Helmut; Thiel, Max; Fauland, Erich; and Kampe, Wolfgang, 3,851,056.

Fauland, Erich; Kampe, Wolfgang; Thiel, Max; Stork, Harald; and Roesch, Egon, to Boehringer Mannheim GmbH. N(6)-disubstituted adenosine compounds. 3,840,521, 10-8-74, Cl. 260-211.50r.

Faulbecker, Gerd, to Gelenkwellenbau GmbH. Lubricant seals for torque-transmitting joints. 3,807,195, 4-30-74, Cl. 64-32.00f.

Faulhaber, Fritz, to Retobobina. Winding for electromechanical transducers with coreless rotor. 3,793,548, 2-19-74, Cl. 310-266.000.

Faulhaber, Mark E.: *See—*
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Faulkner, Arthur Manthorpe: *See—*
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Faulkner, Harold, to Hunt Electronics Company. Motor speed control circuit. 3,801,888, 4-2-74, Cl. 318-471.000.

Faulkner, Hubert D.: *See—*
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Faulkner, John E.; Hansen, J. Richard; and Vaerewyck, Eugene G., to Westinghouse Electric Corporation. X-ray method and apparatus for detecting mislocation of steel reinforcements in green tires. 3,852,600, 12-3-74, Cl. 250-360.000.

Faulkner, Joseph W.: *See—*
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Faulkner, Robert W. Rope drops. 3,856,340, 12-24-74, Cl. 294-19.00r.

Faull, James K. Rocker box assemblies. 3,840,205, 10-8-74, Cl. 248-385.000.

Fauls, Thomas J.: *See—*
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Faulstich, George L. Free standing shelf support units and system. 3,830,170, 8-20-74, Cl. 108-111.000.

Faulstich, George W. Tearable plastic cap for threaded and unthreaded water bottles. 3,840,137, 10-8-74, Cl. 215-256.000.

Faunce, John Porter, to Diamond Shamrock Corporation. Method for incorporating metals into molten metal baths. 3,788,839, 1-29-74, Cl. 75-93.00r.

Fauntleroy, Dort: *See—*
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Faupel, Werner; and Zibold, Karl, to Bosch, Robert, G.m.b.H. Means for reducing fuel delivery of fuel injection pumps in the low RPM range. 3,827,832, 8-6-74, Cl. 417-289.000.

Faur, Yvonne Constance; Weisburd, Martin Harold; Wilson, Marion Evans; and May, Paul S. Medium for neisseria and method of cultivating neisseria. 3,846,241, 11-5-74, Cl. 195-100.000.

Fauran, Claude P.; Turin, Michel J.; Raynaud, Guy M.; and Thomas, Janine M., to Delalande S.A. Novel acrylamide derivatives of substituted piperazines. 3,796,703, 3-12-74, Cl. 260-240.00t.

Fauran, Claude P.; Douzon, Colette; Huguet, Gerard J.; Raynaud, Guy M.; and Bailly, Yves A., to Delalande S.A. 2-Isopropyl tetrahydro-1,3-substituted oxazines. 3,798,218, 3-19-74, Cl. 260-246.00r.

Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; and Pourrias, Bernard M., to Delalande S.A. Derivatives of 1,7,7-trimethyl-2-norbornane-2'-spiro-1',3'-dioxolane. 3,816,415, 6-11-74, Cl. 260-247.70e.

Fauran, Claude P.; Douzon, Colette; Raynaud, Guy M.; and Sergant, Micheline Y., to Delalande S.A. Novel derivatives of substituted tetrahydro M-oxazines, their process of preparation and their therapeutic application. 3,821,215, 6-28-74, Cl. 260-244.00r.

Fauran, Claude P.; Raynaud, Guy M.; Eberle, Jeannine A.; Pourrias, Bernard M.; La Foret, Meudon; and Le Cloarec, Alberty Y., to Delalande S.A. N-tertiary-4-aminomethyl-dibenzo (b,e)-11-oxepine-2'-spiro-1',3'-dioxolanes. 3,845,046, 10-29-74, Cl. 260-247.50r

Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; Pourrias, Bernard M.; and Bourgery, Guy B., to Delalande S.A. Derivatives of 6-(gamma-dialkylamino) alkoxy 4,7-dimethoxy benzofuran. 3,850,937, 11-26-74, Cl. 260-293.580.

Fauran, Claude P.; Turin, Michel J.; Raynaud, Guy M.; and Gouret, Claude J., to Delalande S.A. Novel substituted oxamino(5,6,e)indoles. 3,852,284, 12-3-74, Cl. 260-244.00r.

Faure, Alphonse: *See—*
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Faure, Alphonse; and Jamet, Bruno, to Rhone-Poulenc S.A. Separating apparatus particularly suitable for gas permeation and in pervaporation. 3,837,146, 9-24-74, Cl. 55-158.000.

Faure, Alphonse W., to C.S.S. Machine and Tool Company, Inc. Adjustable air-cylinder support for 90 degree push-out in glassware forming equipment. 3,812,690, 5-28-74, Cl. 65-260.000.

Faure, Jacques: *See—*
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Faure, Robert: *See—*
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Faurschou, Donald K.; Misener, Donald C.; Pope, James C.; and Hadden, Richard, to Canadian Patents and Development Limited. Solid electrolyte compact for probe used in quantitative determination of gas dissolved in molten metal. 3,809,639, 5-7-74, Cl. 204-95.00s.

Fauser, Hans, to Societa Italiana Superior S.r.L. Device for cooking foods. 3,791,370, 2-12-74, Cl. 126-25.00f.

Faust, Carl Raymond; and Yates, Paul Clifford, to Du Pont de Nemours, E. I., and Company. Process for treating fluophosphate ores. 3,843,767, 10-22-74, Cl. 423-167.000.

Faust, Donald M.: *See—*
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Faust, Donald M., to Cascade Corporation. Load-handling apparatus. 3,786,937, 1-22-74, Cl. 212-59.000.

Faust, Elbert R., to Buehler Corporation, The, mesne. Continuous plating system. 3,815,617, 6-11-74, Cl. 134-133.000.

Faust, Elbert R., to Buehler Corporation, The. Continuous plating system. 3,819,501, 6-25-74, Cl. 204-198.000.

Faust, Elbert R., to Buehler Corporation, The. Continuous plating system. 3,826,355, 7-30-74, Cl. 198-220.0ba.

Faust, Fred W. Sleeve protector. 3,821,338, 6-28-74, Cl. 264-35.000.

Faust, Henry H.; and Faust, Peter J. Dentures and teeth for dentures and methods of making the same. 3,826,002, 7-30-74, Cl. 32-2.000.

Faust, Peter J.: *See—*
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Faust, Raimund Josef, to Kalle Aktiengesellschaft. Photopolymerizable copying composition. 3,804,631, 4-16-74, Cl. 96-115.00p.

Faust, Raimund Josef, to Kalle Aktiengesellschaft. Photopolymerizable compounds. 3,857,885, 12-31-74, Cl. 260-561.00n.

Faust, Robert N.: *See—*
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Faust, Silwart W.; and Kuhn, L. Dean, to Maytag Company, The. Bulkhead filter assembly. 3,789,514, 2-5-74, Cl. 34-82.000.

Faust, Stewart W.: *See—*
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Faust, Warren R.: *See—*
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Fauth, Donald A.; and Lindberg, Ramon T., to United States of America, Interior, mesne. Device for cathodically protecting metal conduit system. 3,794,574, 2-26-74, Cl. 204-197.000.

Fauth, Guenter, to Agfa-Gevaert Aktiengesellschaft. Film transporting mechanism for still cameras. 3,810,219, 5-7-74, Cl. 354-206.000.

Fauth, Otto: *See—*
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Fautz, Howard C., to Wolf Range Company, Div. of Vulcan-Hart Corporation. Grooved griddle. 3,842,726, 10-22-74, Cl. 99-425.000.

Fauve, Jean, to SKF Compagnie d'Applications Mecaniques. Method and apparatus for demagnetizing mechanical parts. 3,821,613, 6-28-74, Cl. 317-157.500.

Fauver, J. N., Inc., mesne: *See—*

Montogomery, Clifford S., 3,800,935.
Fava, Ermenegildo; and Sibilia, Ermanno, to Oce-vander Grinten N.V. Endless belt aligning system. 3,823,614, 7-16-74, Cl. 74-241.000.
Favard, Joseph. Device ensuring the automatic stoppage of a guided moving body at desired positions not defined by exterior reference or guide marks. 3,795,852, 3-5-74, Cl. 318-602.000.
Favereau, Michel, to Thomson-CSF. Optical device for telecine systmes. 3,816,655, 6-11-74, Cl. 178-7.880.
Faville, Warwick Scott, to Kins Developments, Limited. Rail fastening devices. 3,796,369, 3-12-74, Cl. 238-349.000.
Favre, Henri Victor. Apparatus for swaging gem mounts. 3,839,770, 10-8-74, Cl. 29-10.000.
Favre, John A.: *See—*
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Favre, Marc, & Cie S.A.: *See—*
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Favre, Robert, to Fabriques Movado, La Chaux-de-Fonds. Mechanical resonator of rotation. 3,782,209, 1-1-74, Cl. 74-142.000.
Favre, Robert. Gas-pressure sensor. 3,789,666, 2-5-74, Cl. 73-398.00r.
Favre, Robert, to Fabriques Movado Rue du Parc la Chux de Fonds Canton Neuchatel. Compensation of the thermal frequency drift of a mechanical oscillator for timekeeping. 3,797,224, 3-19-74, Cl. 58-23.0tf.
Favreau, Michel, to Thomson-CSF. Interlaced scanning device for a telecine equipment. 3,806,645, 4-23-74, Cl. 178-7.200.
Favreau, Michel; and Vidal, Serge, to Thomson-CSF. Continuous film drive for a telecine equipment. 3,856,990, 12-24-74, Cl. 178-7.200.
Favret, Uncas. Apparatus for recovering oil substances from the surface of a body of water. 3,836,004, 9-17-74, Cl. 210-242.000.
Fawcett, Derek James, to Lewnar Marine Limited. Drive mechanism for manually operated sheet winches. 3,802,665, 4-9-74, Cl. 254-150.00r.
Fawcett, Howard, to Cambridge Instrument Company, Inc. Direct writing recorder including an improved stylus assembly therefor. 3,789,423, 1-29-74, Cl. 346-76.00r.
Fawcett, John Anthony: *See—*
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Fawcett,Colin Graham: *See—*
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Fawn Engineering Corporation: *See—*
Wittern, Francis A.; and Wirstein, Arthur N., 3,797,699.
Fawzi, Maged M.; and Quebedeaux, Bruno, Jr., to Du Pont de Nemours, E. I., and Company. Ureidotriazoles as yield increasing agents for crop plants. 3,836,350, 9-17-74, Cl. 71-92.000.
Fawzi, Maged Mohamed, to Du Pont de Nemours, E. I., and Company. Trimethyl ester of carboxydithioimido-carbonic acid. 3,839,416, 10-1-74, Cl. 260-481.00c.
Fawzy, Moharram M., to Transicoil, Inc. Direct current shell armature motor. 3,845,338, 10-29-74, Cl. 310-154.000.
Faxon Communications Corporation: *See—*
Campbell, John Scott; Fairchild, John L.; Lafond, Robert L.; and Kilker, Carl R., 3,843,839.
Faxvog, Frederick R., to General Motors Corporation. Apparatus for measuring aerosol particles. 3,851,169, 11-26-74, Cl. 250-222.0pc.
Fay, Bernard: *See—*
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Fay, Charles Robert: *See—*
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Fay, Clarence C. Drum brake shoe actuator. 3,820,637, 6-28-74, Cl. 188-106.00p.
Fay, Gordon C., to Hendryx Engineers Incorporated. Kiln for ceramic products. 3,854,865, 12-17-74, Cl. 432-137.000.
Fay, Homer; and Brandle, Charles D., Jr., to Union Carbide Corporation. Process for producing untwinned single crystals of La $A10_3$. 3,785,992, 1-15-74, Cl. 252-301.40r.
Fay, Robert C., to Deering Milliken Research Corporation. Yarn feed apparatus for pile carpet machine. 3,785,905, 1-15-74, Cl. 156-435.000.
Fay, Rudolph J. Sandwich machine. 3,783,772, 1-8-74, Cl. 99-450.400.
Faye, Andre. Magnetic tape cartridge dialer. 3,790,722, 2-5-74, Cl. 179-90.0bb.
Faye, Georges: *See—*
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Fayet, Andre Barthelemy Marie, to Tri-Cology, Inc., mesne. Extrusion method and apparatus. 3,825,645, 7-23-74, Cl. 264-177.000.
Fayling, Richard E., to Minnesota Mining and Manufacturing Company. Magnetic viewer device having movable anisotropic elements. 3,787,839, 1-22-74, Cl. 340-381.00r.
Fayolle, Michel: *See—*
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Fayren, Jose Maria, to Hijos de J. Barreras S.A. Method for the construction of floating units of great dimensions. 3,797,438, 3-19-74, Cl. 114-77.00r.
Fazekas, Charles, to Elias Productions Incorporated. Surface friction analyzer. 3,828,605, 8-13-74, Cl. 73-9.000.
Fazekas, Thomas W.; Hartz, Walter A.; Muth, Norman J.; and Stadelman, Raymond J., to General Tire & Rubber Company, The. Compression molding in a vacuum and seal for use therein. 3,840,239, 10-8-74, Cl. 277-235.00r.
Fazzani, Raymond John, to Torrington, Company, The. Tailpipe forming mechanism. 3,788,116, 1-29-74, Cl. 72-296.000.
Fazzina, Thomas L.; Jones, Gary V.; and Scelia, Richard P., to General Foods Corporation. Decaffeinated coffee. 3,840,684, 10-8-74, Cl. 426-193.000.
Fazzina, Thomas Laurence; McSweeney, Daniel Robert; and Gilmore, Gregory Jay, to General Foods Corporation. Process for imparting the taste, texture, and appearance of fat frying to foodstuffs which are baked. 3,852,501, 12-3-74, Cl. 426-293.000.
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Feamster, William C. Tangential feed pipe cutter. 3,795,051, 3-5-74, Cl. 30-101.000.
Feamster, William C., III, to Compac-Cutting Machine Corporation. Pipe cutting and preping device. 3,839,791, 10-8-74, Cl. 30-97.000.
Fearing, Ralph: *See—*
Weil, Edward D.; and Fearing, Ralph, 3,832,227.
Fearon, Edward R., to Stoplifter International, Inc., mesne. Open-strip ferromagnetic marker and method and system for using same. 3,790,945, 2-5-74, Cl. 340-280.000.
Fearon, Edward R., to Stop-Loss Incorporated, mesne. System for detecting an object within a magnetic field. 3,820,103, 6-25-74, Cl. 340-280.000.
Fearon, Edward R., to Stop-Loss Incorporated. Method and system for detecting an object within a magnetic field interrogation zone. 3,820,104, 6-25-74, Cl. 340-280.000.
Fearon, Joseph G., to Morrison-Knudson Company, Inc. Control ballast door for hopper cars. 3,822,650, 7-9-74, Cl. 105-239.000.
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Feasey, Raymond D., to Eastman Kodak Company. Method and apparatus for continously supplying fluid pressure to a plurality of fluid directing members. 3,794,151, 2-26-74, Cl. 198-19.000.
Feasey, Ronald George, to Imperial Chemical Industries, Limited. Thermoset resins prepared from dihydric phenol, dihalobenzenoid compound and polyhaloheterocyclic compound. 3,784,504, 1-8-74, Cl. 260-37.00n.
Feasey, Ronald George; and Newton, Alan Branford, to Imperial Chemical Industries Limited. Method of isolating aromatic polysulphones. 3,795,660, 3-5-74, Cl. 260-49.000.
Feasey, Ronald George; and Freeman, John Leslie, to Imperial Chemical Industries Limited. Aromatic polyethers. 3,810,870, 5-14-74, Cl. 260-47.00r.
Feasey, Ronald George, to Imperial Chemical Industries Limited. Polysulphones. 3,819,582, 6-25-74, Cl. 260-63.00r.
Feasey, Ronald George; and Rose, John Brewster, to Imperial Chemical Industries Limited. Phenol precursors. 3,840,580, 10-8-74, Cl. 260-463.000.
Feather, Alec. Swim fin. 3,827,095, 8-6-74, Cl. 9-307.000.
Feather, Glen N.; Kiley, Harry M.; and Nelson, William A., to Caterpillar Tractor Company. Elastomeric sealing ring for cylinder liners. 3,853,099, 12-10-74, Cl. 123-41.820.
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Febres, Vasco Altuve. Recoilless firearm and cartridge therefor. 3,838,622, 10-1-74, Cl. 89-1.703.

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Feezor, Michael D.; and Preslar, Mack J., to Audiometric Teleprocessing, Inc. Precision automatic audiometer. 3,793,485, 2-19-74, Cl. 179-1.00n.

Feezor, Michael D.; and Preslar, Mack J., to Audiometric Teleprocessing, Inc. Computer controlled method and system for audiometric screening. 3,808,354, 4-30-74, Cl. 179-1.00n.

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Fein, Harry. Methods and apparatus for generating random time intervals. 3,810,039, 5-7-74, Cl. 331-78.000.

Fein, Maier O.; and Hilt, Roy A., to United States of America, Navy. Multichannel noise simulator. 3,795,873, 3-5-74, Cl. 331-78.000.

Fein, Marvin Michael; and Roderick, John James, to Dart Industries, Inc. Metal halide-ester reaction process and compositions. 3,792,158, 2-12-74, Cl. 424-65.000.

Fein, Michael E.; and Schermerhorn, Jerry D., to Owens-Illinois, Inc. Electronic conditioning of gas discharge panels by inversion interval extension. 3,833,832, 9-3-74, Cl. 315-169.00r.

Feinauer, Roland; and Muller, Karl-Adolf, to Chemische Werke Huls Aktiengesellschaft. Two-step polymerization of lauryllactam without mineral acid catalysts. 3,799,899, 3-26-74, Cl. 260-18.00n.

Feinberg, Jacob H., to American Can Company. Photopolymerizable epoxy systems containing sulfoxide gelation inhibitors. 3,817,845, 6-18-74, Cl. 204-159.110.

Feinberg, Jacob H., to American Can Company. Photopolymerizable epoxy systems containing substituted acyclic amides or substituted ureas as gelation inhibitors. 3,817,850, 6-18-74, Cl. 204-159.110.

Feinberg, Jacob Howard, to American Can Company. Poly (vinyl pyrrolidone) stabilized polymerized epoxy compositions and process for irradiating same. 3,816,281, 6-11-74, Cl. 204-159.110.

Feinberg, Jacob Howard, to American Can Company. 4-Methoxy benzene diazonium hexafluorophosphate catalyst for photopolymers in epoxy systems. 3,829,369, 8-13-74, Cl. 204-159.110.

Feinberg, Robert S., to Cryplex Industries, Inc. Method of making a heat resistant, vapor free cooking utensil. 3,813,256, 5-28-74, Cl. 117-47.00h.

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Feingold, Michael H., to Polaroid Corporation. Process for the preparation of 3-(3'-lower carboalkoxy-4' hydroxy naphthalidene) naphthalide. 3,809,704, 5-7-74, Cl. 260-343.20r.

Feingold, Michael H., to Polaroid Corporation. 3-(3'-Lower carboalkoxy-4'-hydroxy-1'-napthyl) -3-(3'-carboxy-4"-hydroxy-1"-napthyl) naphthalide. 3,829,445, 8-13-74, Cl. 260-343.20r.

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Feins, Irvin Ralph, to American Cyanamid Company. Process for preparing a hydrodesulfurization catalyst of cobalt oxide and molybdenum oxide on an alumina support and catalyst obtained. 3,853,791, 12-10-74, Cl. 252-465.000.

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Feinstone, Wolffe Harry, to Plough, Inc. Means for removing cosmetics. 3,795,624, 3-5-74, Cl. 252-91.000.

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Feische, Josef, to Eftex-Texmato GmbH & Co. Relating to a net for upholstered furniture. 3,840,913, 10-15-74, Cl. 5-191.000.

Feiss, Rene T., to Sulzer Brothers Ltd. Apparatus for mounting a pipe in a perforated plate. 3,790,060, 2-5-74, Cl. 228-3.000.

Feist, Karl K. Slide retainer and positioner. 3,811,645, 5-21-74, Cl. 249-68.000.

Feistel, Horst, to International Business Machines Corporation. Block cipher cryptographic system. 3,798,359, 3-19-74, Cl. 178-22.000.

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Feit, Peter Werner; and Nielsen, Ole Bent Tvaermose, to Lovens Kemiske Fabrik Produktionsaktieselskab. Substituted 6-carboxy-1,2-benzisothiazole-1,1-dioxides. 3,787,421, 1-22-74, Cl. 260-294.0sc.

Feit, Peter Werner; and Nielsen, Ole Bent Tvaermose, to Lovens Kemiske Fabrik Produktionsaktieselskab. Sulfamylbenzoic acids. 3,790,584, 2-5-74, Cl. 260-294.80f.

Feit, Peter Werner; and Nielsen, Ole Bent Tvaermose, to Lovens kemiske Fabrik Produktionsaktieselskab. Substituted anthranilic acids. 3,793,311, 2-19-74, Cl. 260-239.600.

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Feit, Peter Werner, to Lovens Kemiske Fabrik Produktionsaktieselskab. Sulphamyl-benzoic acid derivatives. 3,806,534, 4-23-74, Cl. 260-465.00d.

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Feit, Peter Werner; and Nielsen, Ole Bent Travermose, to Lovens Kemiske Fabrik Produktionsaktieselskab. Certain 1,2-benzisothiazole-1,1-dioxides. 3,828,059, 8-6-74, Cl. 260-301.000.

Feit, Peter Werner; and Nielsen, Ole Bent Tvaermose, to Lovens Kemiske Fabrik Produktionsaktieselskab. Dihydro-1,2,4-benzothiadiazine-1,1-dioxide derivatives. 3,845,045, 10-29-74, Cl. 260-243.00d.

Feith, Franz. Device for loosening wheel nuts or lugs of automobile wheels. 3,832,917, 9-3-74, Cl. 81-53.00r.

Feitlowitz, Robert D., to DHJ Industries, Inc. Method for finishing woven and nonwoven fabrics formed of polyester materials. 3,809,573, 5-7-74, Cl. 117-138.80f.

Feitz, Edwin H.: *See*—
Schmidt, Helmut, 3,799,037.

Fejer, Kazmer, to Messrs. Color service GmbH. Polystyrene colouring granules. 3,830,765, 8-20-74, Cl. 260-27.00r.

Fejer, Mark E.: *See*—
Nesbitt, John D.; and Fejer, Mark E., 3,788,832.
Nesbitt, John D.; Larson, Dennis H.; and Fejer, Mark E., 3,856,496.
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Fekete, Lajos F.; and Holst, Stephen L., to Baxter Laboratories Inc. Stabilization of AHF using heparin. 3,803,115, 4-9-74, Cl. 260-112.00b.

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Felauer, Ethel E.; Kulka, Marshall; and Ariyan, Zaven S., to Uniroyal, Inc. and Uniroyal Ltd. Furan derivatives, compositions thereof and methods for using same. 3,806,506, 4-23-74, Cl. 260-247.70g.

Felber, Julius: *See*—
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Felber, Julius, to Felber, Julius and Szabo, Bela. Hockey puck. 3,784,204, 1-8-74, Cl. 273-128.00r.

Felber, Wilfried: *See*—
Brod, Gerd; Felber, Wilfried; Leistner, Horst; and Morlock, Gerhard, 3,853,822.

Felciai, Laurent. Multi unit dwelling structure. 3,791,081, 2-12-74, Cl. 52-79.000.

Feld, Michael S.: *See*—
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Feldeisen, Ronald F.; and Stanley, Michael R., to Xerox Corporation. Controlling multiple voltage levels for electrostatic printing. 3,805,739, 4-23-74, Cl. 118-637.000.

Felden, Alois, to Stahlgruber Otto Gruber & Company. Tire repair body. 3,842,886, 10-22-74, Cl. 152-370.000.

Felder, Ernst; and Pitre, Davide, to Bracco Industria Chimica, Societa per Azioni. Orally applicable contrast agents for cholecystography. 3,823,591, 7-23-74, Cl. 260-519.000.

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Feldt, Winfried: *See*—
Podssuweit, Klaus; and Felder, Winfried, 3,814,224.

Feldhake, Ralph H.: *See*—
Macaulay, William R.; Feldhake, Ralph H.; Higgins, Dale G.; and Santa Maria, Richard C., 3,784,414.

Feldhaus, James F.: *See*—
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Feldhaus, Karl, to Gewerkschaft Schalker Eisenhutte. Apparatus for charging a coke oven. 3,805,975, 4-23-74, Cl. 214-35.00r.

Feldhusen, Johann; and Langhorst, Carsten, to Langhorst, Carsten. Display book. 3,793,758, 2-26-74, Cl. 40-102.000.

Feldkamper, Richard: *See*—

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Feldle, Kurt: *See—*
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Feldmaier, James T., to United States of America, Army. Firing mechanism for mortars. 3,782,240, 1-1-74, Cl. 89-1.00j.

Feldman, Allan Murray, to American Cyanamid Company. Nickel and cobalt dicyclohexylidithio-phosphinates as flame-retardants for styrene polymers. 3,812,080, 5-21-74, Cl. 260-45.75r.

Feldman, Bernard, to Transparent Conductors, Inc. Electronically actuated liquid crystal watchface with conventional time format. 3,823,549, 7-16-74, Cl. 58-50.00r.

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Feldman, Edward: *See—*
Gaven, Thomas J.; Crocker, Harry E.; and Feldman, Edward, 3,786,189.

Feldman, Gustav. Apparatus and method for selectively backlighting printed circuit board perforations to accurately locate electrical component leads therein. 3,815,204, 6-11-74, Cl. 29-203.00b.

Feldman, Inez, to Orthopedic Equipment Company, Inc. Pelvic traction belt. 3,797,483, 3-19-74, Cl. 128-75.000.

Feldman, Irving. Packaging machine. 3,800,499, 4-2-74, Cl. 53-168.000.

Feldman, Jacob R.; and Berg, Jeffrey H., to General Foods Corporation. Meat flavor composition and processes. 3,803,330, 4-9-74, Cl. 426-65.000.

Feldman, Jacob R.; Hamell, Matthew; and Daneilczik, Eilen, to General Foods Corporation. Synthetic grinder gas aromas and processes. 3,852,481, 12-3-74, Cl. 426-65.000.

Feldman, Jacob R.; Haas, Gerhard J.; Lugay, Joaquin C.; and Wiener, Claric J., to General Foods Corporation. Process for bland, soluble protein. 3,857,966, 12-31-74, Cl. 426-7.000.

Feldman, Jeffrey M.: *See—*
Harrison, Stanley; and Feldman, Jeffrey M., 3,813,011.

Feldman, Jerome M., to Dairy Cap Corporation. Tamper-proof closure cap. 3,812,994, 5-28-74, Cl. 215-256.000.

Feldman, Julian: *See—*
Frampton, Orville D.; and Feldman, Julian, 3,801,656.

Feldman, Lewis. Sail rotor crane. 3,795,372, 3-5-74, Cl. 244-2.000.

Feldman, Louis I., to Baxter Laboratories, Inc. Production of streptokinase. 3,855,065, 12-17-74, Cl. 195-65.000.

Feldman, Martin; and King, Michael Charles, to Bell Telephone Laboratories, Incorporated. Scanning projection printer apparatus and method. 3,819,265, 6-25-74, Cl. 355-51.000.

Feldman, Martin Louis; Hagedorn, Donald William; and Gordon, John Edson, to American Cyanamid Company. Trisodium-monoaniline salt of 2-naphthol-3,6-disulfonic acid. 3,849,483, 11-19-74, Cl. 260-501.210.

Feldman, Nicholas, to Esso Research and Engineering Company. Middle distillate fuel having increased low temperature flowability. 3,790,359, 2-5-74, Cl. 44-62.000.

Feldman, Nicholas, to Esso Research and Engineering Company. Fuel oil with improved low temperature flowability. 3,832,150, 8-27-74, Cl. 44-62.000.

Feldman, Nicholas, to Exxon Research and Engineering Company. Middle distillate fuel containing additive combination providing improved filterability. 3,846,093, 11-5-74, Cl. 44-62.000.

Feldman, Nicholas, to Exxon Research and Engineering Company. Petroleum middle distillate fuel with improved low temperature flowability. 3,847,561, 11-12-74, Cl. 44-62.000.

Feldman, Rubin, to T.S.I., Inc. Thermal protective process and article coated with thermal protective composition. 3,849,178, 11-19-74, Cl. 117-72.000.

Feldman, Sidney; and Ketts, Harry C., III, to United States of America, Navy. Sextant having night viewing capability and digital readout and portable computer system. 3,854,037, 12-10-74, Cl. 235-150.270.

Feldman, Stanley; and Mellenthin, William J., to Beltone Electronics Corporation. Digital attenuator wherein transistor switch means are biased by rectifier circuit. 3,796,945, 3-12-74, Cl. 323-74.000.

Feldmann, Ernst: *See—*
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Feldmann, Fritz, to Pacific Technica Corporation. Spin stabilized, discarding sabot projectile. 3,847,082, 11-12-74, Cl. 102-93.000.

Feldmann, Fritz K., to Pacific Technica Corporation. Rotating band for projectile. 3,786,760, 1-22-74, Cl. 102-93.000.

Feldmann, Hans-Helmut: *See—*
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Feldmann, Hennig: *See—*
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Feldmann, Robert G., to Pyroil Company, Inc. Fountain brush. 3,782,837, 1-1-74, Cl. 401-281.000.

Feldmann, Robert G., to Pyroil Company, Inc. Windshield scraper. 3,787,921, 1-29-74, Cl. 15-105.000.

Feldmann, Wilhelm: *See—*
Pfeiffer, Gerd; Kran, Hans-Peter; and Feldmann, Wilhelm, 3,791,184.

Wimmer, Helmut; Feldmann, Wilhelm; Schauenburg, Wilhelm; and Heimerzheim, Reiner, 3,798,955.

Feldmuhle Anlagen- und Produktionsgesellschaft mit beschrankter Haftung: *See—*
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Dorre, Erhard; and Nussbaum, Manfred, 3,793,648.

Feldpush, Donald E.: *See—*
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Feldshtein, Isaak Yakovlevich; Epifanov, Valery Sergeevich; Tsygankov, Vladimir Fedorovich; Pashkov, Alexandr Nikitovich; Mogilny, Dmitry Gavrilovich; and Yakovlev, Mikhail Vasilievich. Device for piling rotor sheets for magnetic circuits of electrical macines. 3,785,032, 1-15-74, Cl. 29-203.001.

Feldstein, Nathan; and Weiner, Joel Alan, to RCA Corporation. Method of making a semitransparent photomask. 3,822,155, 7-2-74, Cl. 156-3.000.

Feldstein, Nathan; and Lancsek, Thomas Stephen, to RCA Corporation. Method for electroless deposition of metal using improved colloidal catalyzing solution. 3,841,881, 10-15-74, Cl. 106-100.000.

Feldtman, Henry Douglas; and Fleischfresser, Barry Edwin, to Commonwealth Scientific and Industrial Research Organization. Method for fixing the shape of textile materials. 3,797,997, 3-19-74, Cl. 8-127.600.

Feldwick, Raymond Douglas, to Grace, W. R., & Co. Preparation of a magnesium spinel catalyst base. 3,791,992, 2-12-74, Cl. 252-463.000.

Feleflex Limited: *See—*
Dove, Ernest Baker, 3,833,257.

Felger, Hans: *See—*
Finkmann, Hans-Ulrich; Felger, Hans; and Zingsheim, Peter, 3,793,416.

Felice, Frank T.: *See—*
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Felice, Klaus; Sedlmeier, Josef; Gierer, Walter; Frey, Werner; and Wiedemann, Otto, to Wacker-Chemie G.m.b.H. Catalysts for the manufacture of phthalic anhydride. 3,799,886, 3-26-74, Cl. 252-461.000.

Felix, Arthur Martin, to Hoffmann-La Roche Inc. Di- and trispeptides of 3-(3,4-dihydroxyphenyl)-alinine. 3,803,120, 4-9-74, Cl. 260-112.500.

Felix, Dan T.: *See—*
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Felix, Ernst, to Zellweger Ltd., Uster Factories for Apparatus and Machines. Systems for monitoring yarns in multicoil production textile machines. 3,811,261, 5-21-74, Cl. 57-81.000.

Felix, Ernst, to Zellweger, Ltd. Method and apparatus for determining the cross section of material using a sound field. 3,854,327, 12-17-74, Cl. 73-69.000.

Felix, Gerardus L.: *See—*
Cator, Dennis W.; Campbell, Roger W.; and Felix, Gerardus L., 3,831,962.

Felix, Henry T. Impact ripper shank. 3,857,609, 12-31-74, Cl. 299-37.000.

Feliz, Jack M. Trailer maneuvering jack. 3,783,960, 1-8-74, Cl. 180-14.00a.

Feliz, Jack M. Auxiliary drive for engine driven air conditioner. 3,789,618, 2-5-74, Cl. 62-236.000.

Feliz, Jack M. Champagne cork extractor and wire cutter. 3,800,345, 4-2-74, Cl. 7-14.100.

Feliz, Jack M. Recreational vehicle utility stowage and transfer system. 3,811,462, 5-21-74, Cl. 137-344.000.

Felkel, Edward M.: *See—*
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Felker, Paul J., to Penetred Corporation. Art of shearing a helical coil. 3,838,617, 10-1-74, Cl. 83-17.000.

Felker, Theodore S. Metal drawing die. 3,782,164, 1-1-74, Cl. 72-274.000.

Felkner, Darrel, to Vanguard Electronics Company, Inc. Miniature inductor. 3,848,210, 11-12-74, Cl. 336-200.000.

Felkner, Floyd R. Self-levelling support for refrigerator or the like. 3,836,162, 9-17-74, Cl. 280-6.00r.

Fell, Charles Raymond. Apparatus for grooving eggs. 3,802,474, 4-9-74, Cl. 144-133.00r.

Fell, Charles Raymond. Apparatus for machining logs. 3,848,647, 11-19-74, Cl. 144-3.00r.

Fell, Ferol S.: *See—*
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Case, Cecil L.; Fell, Ferol S.; and Burkhart, Merle K., 3,857,298.

Fell, Wilhelmine M., to Lee, Raymond, Organization, Inc., The. Medical device recta-bag. 3,804,093, 4-16-74, Cl. 128-286.000.

Fellenstein, Ronald L. Tonneau cover and seat assembly for pickup-type vehicle boxes. 3,829,151, 8-13-74, Cl. 296-64.000.

Feller, Arthur G. Method and apparatus for accounting. 3,837,682, 9-24-74, Cl. 282-8.00r.

Feller, Fritz, to Defense, Secretary of State for. Rotary piston internal combustion engine. 3,782,337, 1-1-74, Cl. 123-8.050.

Feller, Kurt W. Apparatus for producing foundry moulds. 3,802,487, 4-9-74, Cl. 164-194.000.

Feller, Peter, to Zellweger, Ltd. Method of, and apparatus for standardizing slivers. 3,852,848, 12-10-74, Cl. 19-240.000.

Feller, Ron, to Israel, Ministry of Agriculture, The State of. Oscillating screen. 3,825,118, 7-23-74, Cl. 209-330.00.

Fellmann, Robert P.; and Whang, Jong Jai, to Rohm & Haas Company. Bulk polymerization process modified with solvent to reduce residual monomer content. 3,784,532, 1-8-74, Cl. 260-86.10e.

Fellner, Herbert G.: *See—*
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Fellows, Charles T.; Hermann, Stanley R.; and Hochwalt, Norman C., to National Cash Register Company, The. Transfer medium for producing scratch and smudge resistant marks. 3,792,111, 2-12-74, Cl. 260-33.6sb.

Fellows, Charles T., to NCR Corporation. Polysiloxane coated transfer base. 3,857,720, 12-31-74, Cl. 117-36.100.

Fellows, David Frank: *See—*
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Fellows, James W.: *See—*
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Fellows, Thomas George: *See—*
Laithwaite, Eric Roberts; and Fellows, Thomas George, 3,824,414.

Fellows, Thomas George; Garstin, David John Ivor; and Charity, Michael, to Tracked Hovercraft Limited. High speed ground transportation systems. 3,823,672, 7-16-74, Cl. 104-148.0ms.

Fellows, Thomas George; and Bevan, Richard John Armstrong, to Tracked Hovercraft Limited. Ground transportation systems and tracks and vehicles therefor. 3,834,318, 9-10-74, Cl. 104-148.0ms.

Fellwock, Charles G.; Hortin, Kenneth L.; and Tillman, Harry L., to Whirlpool Corporation. Refrigerator cabinet. 3,813,137, 5-28-74, Cl. 312-214.000.

Felmann, Ted S.; Carlile, Hollis B., Jr.; and Blankenhorn, Charles F., to Shell Oil Company. Dispersing cellular-micro-organism with chelating aqueous alkaline surfactant systems. 3,782,471, 1-1-74, Cl. 166-307.000.

Felmann, Ted S.; Carlile, Hollis B., Jr.; and Blankenhorn, Charles F., to Shell Oil Company. Process for dispersing cellular micro-organisms with chelating aqueous alkaline surfactant systems. 3,853,771, 12-10-74, Cl. 252-8.55b.

Fels, Werner: *See—*
Andree, Klaus; Fels, Werner; Hartwig, Ulrich; and Karius, Helmut, 3,803,635.

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Felsberg, Robert Irving; and Miedema, Hotze, to Bell Telephone Laboratories, Incorporated. Selective distortion compensation circuit. 3,825,843, 7-23-74, Cl. 328-163.000.

Felsenheld, Robert A.; and MacDonald, Copthorne, to International Telephone and Telegraph Corporation. Broadband tunable antenna. 3,852,759, 12-3-74, Cl. 343-729.000.

Felser, Joseph, Jr. Bearing extraction device. 3,781,963, 1-1-74, Cl. 29-201.000.

Felsman, Robert A.: *See—*
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Felsovalyi, Gyorgy: *See—*
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Felstehausen, Eugene F., to FMC Corporation. Spreader conveyor. 3,804,228, 4-16-74, Cl. 198-31.0ab.

Felsten, Janet. Amusement device. 3,840,234, 10-8-74, Cl. 273-113.000.

Felt, Arthur E.: *See—*
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Felten, Gilbert A., to Goodyear Tire & Rubber Company, The. Tire building drum. 3,816,218, 6-11-74, Cl. 156-398.000.

Felthuis, Jacob: *See—*
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Felton, Lloyd Crosser. Dropper and stirrer dispensing a single drop. 3,811,603, 5-21-74, Cl. Hynson, Westcott & Dunning, I.

Felty, Lanny G.: *See—*
Coopersmith, Myron; Kochenderfer, Wayne N.; and Felty, Lanny G., 3,818,105.

Feltz, Michel Joseph. Ferrrous alloys. 3,834,950, 9-10-74, Cl. 148-31.000.

Feltzin, Joseph: *See—*
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Felzer, Bertold, to General Motors Corporation. Energy absorbing construction for front-engined motor vehicles. 3,827,525, 8-6-74, Cl. 180-82.00r.

Femipari Kutato Intezet: *See—*
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Fence, Vernon R., to Grotnes Machine Works, Inc. Clamp and reinforcing ring for pipe wrapping. 3,797,531, 3-19-74, Cl. 138-147.000.

Fencl, George J.: *See—*
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Fencl, Vernon; and Roze, Alberts, to Grotnes Machine Works, Inc. Truck rim edge deburring apparatus. 3,850,017, 11-26-74, Cl. 72-70.000.

Fencl, Vernon R.; and Roze, Albert, to Crontnes Machine Works, Inc. Method and apparatus for forming convoluted metal annulus. 3,797,296, 3-19-74, Cl. 72-367.000.

Fencl, Vernon R.; Roze, Albert; and Naureckas, Edward M., to Grotnes Machine Works, Inc. Apparatus for wrapping pipe with multiple strips. 3,823,883, 7-16-74, Cl. 242-7.230.

Fend, Fritz: *See—*
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Fend, Heinrich, to VAT Aktiengesellschaft fur Vakuum- Apparate-Technik. Deformable sealing ring arrangement. 3,829,062, 8-13-74, Cl. 251-332.000.

Fendel, Kurt: *See—*
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Fendel, Kurt; Bauer, Johann; and Kohl, F. Johannes, to Wacker-Chemie GmbH. Method for the polymerization of vinyl chloride/vinyl ester copolymers and the high bulk density copolymers of the process. 3,835,105, 9-10-74, Cl. 260-87.100.

Fendler, Lothar: *See—*
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Fendley, James R.: *See—*
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Fendley, Richard L.; Hoenig, Gerhard E.; Pochlmann, George; and Prendergast, John M., Jr., to Western Electric Company, Incorporated, mesne. Apparatus for solid-phase bonding mating members through an interposed pre-shaped compliant medium. 3,834,604, 9-1074, Cl. 228-5.000.

Feneziani, George, to Stauffer Chemical Company. Telescoping conduit. 3,799,223, 3-26-74, Cl. 141-388.000.

Feng, Chung Liao. Drawstring with clips. 3,822,445, 7-9-74, Cl. 24-266.000.

Feng, Chung Liao. Compact single lens reflex viewing system for cameras. 3,845,699, 11-5-74, Cl. 95-42.000.

Fenger, Horst; and Pfeifer, Ferdinand, to Messer Griesheim GmbH. Apparatus for cooling liquids. 3,820,598, 6-28-74, Cl. 165-160.000.

Feniak, George, to Polymer Corporation Limited. Terminally reactive polymers. 3,790,549, 2-5-74, Cl. 260-94.800.

Fenichel, Richard L.: *See—*
Grant, Norman H.; Alburn, Harvey E.; and Fenichel, Richard L., 3,823,125.
Teller, Daniel M.; Guinosso, Charles J.; Bell, Stanley C.; and Fenichel, Richard L., 3,836,639.
Wolf, Milton; Sellstedt, John H.; and Fenichel, Richard L., 3,829,488.
Wolf, Milton; Sellstedt, John H.; and Fenichel, Richard L., 3,853,876.

Fenixova, Raisa Vasilievna: *See—*
Kvesitadze, Georgy Ivanovich; Kokonashvili, Georgy Nikolaevich; and Fenixova, Raisa Vasilievna, 3,826,716.

Fenlon, Joseph A., Jr.: *See—*
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Fenn, Darien S.: *See—*
Waugh, James Harry, Jr.; and Fenn, Darien S., 3,820,647.

Fenne, Ivor: *See—*
Asbery, John Harrison; and Fenne, Ivor, 3,789,818.

Fenne, Ivor, to C.A.V. Limited. Fuel injection nozzle units. 3,796,379, 3-12-74, Cl. 239-533.000.

Fenne, Ivor; and Burton, Douglas Gordon, to C.A.V. Limited. Liquid fuel injection systems. 3,797,753, 3-19-74, Cl. 239-533.000.

Fenne, Ivor; and C.A.V. Limited. Fuel injection nozzles. 3,831,863, 8-27v74, Cl. 239-533.000.

Fenne, Ivor, to C.A.V. Limited. Fuel pumps for internal combustion engines. 3,847,510, 11-12-74, Cl. 417-293.000.

Fennell, Harry C., Jr.: *See—*
De Chicchis, Antoni; Fennell, Harry C., Jr.; and Schwartz, David M., 3,789,562.

Fennell, John C. Body mounted amusement device. 3,806,123, 4-23-74, Cl. 273-109.000.

Fennell, John Richard: *See—*
Harvey, Robert Joseph; and Fennell, John Richard, 3,824,323.

Fennema, Claude L.; Brain, Alfred E.; Rosen, Charles A.; and Yarborough, John M., to Stanford Research Institute. Automatic noncontact recognition of coded insignia. 3,818,191, 6-18-74, Cl. 235-61.11e.

Fenollar, Theodore Robert. Method and apparatus for repairing sheet elements of automobile bodies. 3,854,029, 12-10-74, Cl. 219-149.000.

Fenske, Ellsworth R.; and McLaughlin, James H., to Universal Oil Products Company. Determination of the temperature required for a predetermined volatility ratio. 3,813,925, 6-4-74, Cl. 73-64.200.

Fenske, Howard D. Laterally and vertically shiftable auger loaders. 3,812,607, 5-28-74, Cl. 37-4.000.

Fensom, Harry William, to Post Office, The. Side-tone reducing circuit for a telephone subscribers instrument. 3,789,155, 1-29-74, Cl. 179-81.00a.

Fenster, Abraham N.: *See—*
Price, Alson K.; and Fenster, Abraham N., 3,828,085.

Fenster, Abraham S.; and Salloga, Fred W., to United States Pipe and Foundry Company. Compression seal tapping sleeve. 3,807,435, 4-30-74, Cl. 137-317.000.

Fenton, Donald M., to Union Oil Company of California. Decomposition of oxalates to form aldehydes and alcohols. 3,784,616, 1-8-74, Cl. 260-638.00r.

Fenton, Donald M., to Union Oil Company of California. Alkylation of heterocyclic compounds. 3,825,545, 7-23-74, Cl. 260-283.00r.

Fenton, Donald M., to Union Oil Company of California. Catalytic dehydrogenation of alcohols. 3,836,553, 9-17-74, Cl. 260-409.000.

Fenton, Frank W.: *See—*
Smith, Irwin Donald; Tull, Thomas W.; and Fenton, Frank W., 3,844,422.

Fenton, George O.: *See—*
Pollart, Gary M.; and Fenton, George O., 3,806,161.

Fenton, James E.: *See—*
Dickhart, Irwin C.; and Fenton, James E., 3,793,825.

Fenton, James E., to Ford Motor Company. Solid state starting and operating system for a constant combustion engine. 3,844,111, 10-29-74, Cl. 60-39.140.

Fenton, Leonard, to Marlen Manufacturing and Development Co. Resealable closure for ileostomy bag. 3,825,005, 7-23-74, Cl. 128-283.000.

Fenway Machine Co., Inc.: *See—*
Yermish, Israel J., 3,785,052.

Fenzel, Frederick A.: *See—*
Pearson, Karl C., Jr.; Postema, Gerrit B.; McLeod, Willard W., Jr.; and Fenzel, Frederick A., 3,794,998.

Feodor Burgmann, Jr., Firma: *See—*
Mayer, Ehrhard; and Steigenberger, Michael, 3,843,140.

Fera, Jose. Process for producing powdered paraffin wax. 3,804,744, 4-16-74, Cl. 208-24.000.

Ferag AG: *See—*
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Stauber, Hans-Ulrich, 3,844,403.

Ferat, Alain; Masotti, Robert; and Chavenel, Hubert, to Rhone-Progil. Process for bonding copper or iron to titanium or tantalum. 3,835,007, 9-10-74, Cl. 204-192.000.

Feraud, Claude: *See—*
Alessio, Lucien; Chabanis, Michel; and Feraud, Claude, 3,820,404.

Ferber, Arthur C., to Belmont Casket Manufacturing Company. Casket lid interior trim including molded padding strips. 3,810,281, 5-14-74, Cl. 27-19.000.

Ferber, Robert R.: *See—*
Roller, Robert F.; Ferber, Robert R.; and Loptus, Wallace D., 3,796,874.

Ferber, Wilhelm; Kahnt, Johannes; and Jost, Gunter, to U.S. Philips Corporation. Litz wire for high-frequency coils wound with water-repellent textile fibres. 3,783,179, 1-1-74, Cl. 174-121.00a.

Ferberg, Mirriam Borisovna: *See—*
Lishevskaya, Marina Osipovna; Virnik, Alexandr Davidovich; Gabrielian, Genrikh Aramaisovich; Rogovin, Zakhar Alexandrovich; Borbat, Vladimir Fedorovich; Orlov, Alexandr Mikhailovich; Ferberg, Mirriam Borisovna; and Markelova, Nina Ivanovna, 3,821,137.

Ferchland, Harold W., to General Motors Corporation. Method of making a porous laminated metal-bonded cutting wheel. 3,813,230, 5-28-74, Cl. 51-297.000.

Ferchland, Harold W., to General Motors Corporation. Method for simultaneously milling grooves in opposite sides of a workpiece. 3,839,942, 10-8-74, Cl. 90-11.00c.

Ferd Ruesch Maschinenfabrik, Firma: *See—*
Budai, Mikulas, 3,827,358.
Ebneter, Markus, 3,824,925.

Ferdelman, Donald C., to General Motors Corporation. Controls to cycle fan with electric heater or compressor on heat-cool room air conditioner. 3,799,245, 3-26-74, Cl. 165-29.000.

Ferdelman, Donald C., to General Motors Corporation. Electrical connector arrangement for air conditioner electrostatic filter. 3,802,159, 4-9-74, Cl. 55-139.000.

Ferdelman, Lawrence Joseph; Peters, Joseph A.; and Peterson, Willard Elvin, to Wunder-Klein-Donohue Company. Process and apparatus for handling bulk building materials at construction sites. 3,827,744, 8-6-74, Cl. 294-67.00e.

Ferdinand Schwartz GmbH Industrieofen- und Maschinenbau KG: *See—*
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Ferdon, Gilbert Douglas: *See—*
Derr, Paul B.; Ferdon, Gilbert Douglas; and Harwood, Robert George, 3,829,821.

Ferdriksson, Carl Ewert, to Domkraft AB Nike. Method and a tool for mounting and dismounting spring shock absorbing means. 3,781,970, 1-1-74, Cl. 29-446.000.

Feren, Conrad J.; and Squires, Robert W., to Lilly, Eli, and Company. Electrochemical device electrolyte for chemical analysis. 3,835,062, 9-10-74, Cl. 252-408.000.

Ferezy, Edward: *See—*
Aelion, Rene; and Ferezy, Edward, 3,854,982.

Fergason, James L.: *See—*
Taylor, Ted R.; and Fergason, James L., 3,851,318.

Fergason, James L.; and Harsch, Thomas B., to International Liquid Xtal Company. Thickness measuring method and apparatus. 3,795,133, 3-5-74, Cl. 73-15.00r.

Fergason, James L., to Hoffmann-La Roche Inc., mesne. Gasket for liquid crystal light shutters. 3,853,392, 12-10-74, Cl. 350-160.0lc.

Fergg, Berthold: *See—*
Schneider, Horst; Fergg, Berthold; Zahn, Wolfgang; Friedrich, Hujer; and Erich, Nagel, 3,857,220.
Zahn, Wolfgang; Fergg, Berthold; and Knapp, Walter, 3,813,158.

Fergg, Berthold; Zahn, Wolfgang; and Hujer, Friedrich, to AGFA-Gevaert Aktiengesellschaft. Method of sealing open-ended envelopes for photographic film or the like. 3,841,936, 10-15-74, Cl. 156-216.000.

Ferguson, Bernard J. Track system wall assembly for houses or the like. 3,834,094, 9-10-74, Cl. 52-122.000.

Ferguson, Billy George, to Du Pont de Nemours, E. I., and Company. Tubular assembly for cutting pneumatically propelled filaments. 3,808,924, 5-7-74, Cl. 83-199.000.

Ferguson, Carl S., to Nyanza, Inc. Process for treating black liquor to precipitate organic materials therefrom. 3,806,403, 4-23-74, Cl. 162-16.000.

Ferguson, Charles N. Grinding apparatus. 3,837,122, 9-24-74, Cl. 51-56.000.

Ferguson, Christopher A., to ICI American Inc. Emulsifiable haloalkyl phosphate blend for aqueous textile flame-retardant treatments. 3,856,535, 12-24-74, Cl. 106-15.0fp.

Ferguson, David E. Board game move recording system. 3,843,132, 10-22-74, Cl. 273-136.00a.

Ferguson, Emery J. Purse seine cable ring. 3,789,532, 2-5-74, Cl. 43-14.000.

Ferguson, George R.: *See—*
Freize, Ronny G.; and Ferguson, George R., 3,837,431.

Ferguson, Harold W.; and Schultheiss, Paul C., to Stanley Works, The. Hydraulic operator and circuit therefor. 3,792,644, 2-19-74, Cl. 91-420.000.

Ferguson, Howard, to Arrow Manufacturing Company, Inc. Display case. 3,809,216, 5-7-74, Cl. 206-45.340.

Ferguson, Hugh S., to Reel Vortex, Inc. Aerodynamic performance of cross-flow mowers. 3,818,684, 6-25-74, Cl. 56-13.300.

Ferguson, Hugo S., to Reel Vortex, Inc. Cross-flow mower with canted reel and three-wheel suspension. 3,811,255, 5-21-74, Cl. 56-13.300.

Ferguson, Hugo S.; and Raymond, Frank E., to Air Cushion Vehicles, Inc. Resilient vehicle wheel with corrugated tread wall and inwardly-dished corrugated end walls. 3,822,732, 7-9-74, Cl. 152-7.000.

Ferguson, J. C., 1/3 to Sherwin, Alton E. Enclosed cab type land vehicle air treatment system. 3,844,202, 10-29-74, Cl. 98-2.110.

Ferguson, James F.; and Wissmueller, William C., to Puritan-Bennett Corporation. Oxygen mask apparatus. 3,850,168, 11-26-74, Cl. 128-146.700.

Ferguson, Joe: *See—*
Heithecker, Gary; Loseke, Melvin R.; and Ferguson, Joe, 3,823,251.

Ferguson, Lamont. Programmed skiing simulator, trainer and exerciser. 3,807,727, 4-30-74, Cl. 272-57.00b.

Ferguson, Norman T.: *See—*
Hemsath, Klaus H.; Vereecke, Frank J.; and Ferguson, Norman T., 3,819,323.
Hemsath, Klaus H.; Vereecke, Frank J.; and Ferguson, Norman T., 3,836,320.

Ferguson, Paul R. Center-top door pivot mounting mechanism. 3,786,534, 1-22-74, Cl. 16-176.000.

Ferguson, Richard E. Composite fishing tackle pail. 3,798,826, 3-26-74, Cl. 43-54.50r.

Ferguson, Robert E.; and Ferguson, Stuart R. Roofing material. 3,809,598, 5-7-74, Cl. 161-40.000.

Ferguson, Robert G.: *See—*
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Ferguson, Robert M.: *See—*
Amidon, Alan B.; Mammino, Joseph; and Ferguson, Robert M., 3,806,354.
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Ferguson, Thomas Kelly: *See—*
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Ferguson, Willie Douglas, to Neill, Scott E., Jr. Process and apparatus for universal joint disassembly and assembly. 3,786,544, 1-22-74, Cl. 29-251.000.

Fergusson, Alexander H. B. Temperature responsive signaling device. 3,810,139, 5-7-73, Cl. 340-229.000.

Fergusson, Ian Douglas: *See—*
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Fergusson, Ian Douglas, to BP Chemicals International Limited. Spraying apparatus. 3,826,428, 7-30-74, Cl. 239-222.110.

Ferkl, Frantisek: *See—*
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Doudlebsky, Ctibor; Jaros, Frantisek; Ferkl, Frantisek; and Slavik, Vlastislav, 3,800,521.

Ferlin, William J.: *See—*
Duperow, Donald E.; and Ferlin, William J., 3,806,306.
Duperow, Donald E.; and Ferlin, William J., 3,825,402.

Ferlito, Guiseppe, to Olivetti, Ing. C., & C., S.p.A. Device for the mist lubrication of dies for sintering. 3,857,363, 12-31-74, Cl. 118-300.000.

Ferlux: *See—*
Philippe, Jean B., 3,810,897.
Philippe, Jean B., 3,814,772.
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Ferm, Richard L., to Chevron Research Company. Process for treating oil slicks using chemical agnets. 3,810,835, 5-14-74, Cl. 210-59.000.

Ferment, George R.: *See—*
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Daley, Lawrence R.; and Ferment, George R., 3,821,013.

Ferment, George R.; Prince, Arthur E., Jr.; and Sessa, Paul A., to Celanese Corporation. Process for drawing polybenzimidazole fibrous materials. 3,849,529, 11-19-74, Cl. 264-85.000.

Fermented Products, Inc.: *See—*
Holt, William R., 3,840,670.

Fern, Alan G., to Dowty Seals Limited. Slats for use between two relatively-rotating surfaces. 3,838,862, 10-1-74, Cl. 277-96.000.

Fern, Robert E.; and Onton, Aare, to International Business Machines Corporation. Automatic wavelength tracking system. 3,832,558, 8-27-74, Cl. 250-461.000.

Fernald, Lorne S.: *See—*
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Fernand, Andre Pierre: *See—*
Najer, Henry; Manoury, Philippe Michel Jacques; Fernand, Andre Pierre; and Giudicelli, Don Pierre Rene Lucien; 3,857,945.

Fernandes, Harold, to Du Pont de Nemours, E. I., and Company. Process employing catalyst-coated yarn processing rolls. 3,849,177, 11-19-74, Cl. 117-71.00r.

Fernandes, Joaquim: *See—*
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Fernandes, Joseph F.: *See—*
Simmons, Carl E.; and Fernandes, Joseph F., 3,783,935.

Fernandes, Joseph F., to United Aircraft Products, Inc. Refrigerated gas dryer. 3,797,565, 3-19-74, Cl. 165-111.000.

Fernandez, Francisco Jose. Eyeglass with replaceable lens. 3,838,914, 10-1-74, Cl. 351-106.000.

Fernandez, Frank J.: *See—*
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Fernandez, John J. Fluid flow regulator and pressure indicator. 3,851,661, 12-3-74, Cl. 137-558.000.

Fernandez, John J., Sr. Helical coil filter apparatus. 3,785,498, 1-15-74, Cl. 210-351.000.

Fernandez, Jose De Jesus, 20% to Lee, Raymond, Organization, Inc., The. Multiple dead-bolt lock. 3,806,171, 4-23-74, Cl. 292-39.000.

Fernandez, Jose M., to Eastman Kodak Company. Novel cyan-dye forming coupler. 3,785,829, 1-15-74, Cl. 96-100.000.

Fernandez, Manuel: *See—*
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Fernandez, Nicolas: *See—*
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Fernandez, Remigio, to Halcon International, Inc. Process for preparing vinyl acetate. 3,787,485, 1-22-74, Cl. 260-491.000.

Fernandez Ugalde, Francisco Javier: *See—*
Vinals Socias, Luis; Blanco Rodriguez, Jose; and Fernandez Ugalde, Francisco Javier, 3,847,973.

Fernandez-Luque, Refael; and Goppel, Johan M., to Shell Oil Company. Process for building an island. 3,803,852, 4-16-74, Cl. 61-46.000.

Fernandez-Rana; and Mebus, Henry R., to Harris-Intertype Corporation. Rotary gathering machine. 3,825,247, 7-23-74, Cl. 270-58.000.

Fernandez-Rana, Victoriano; Simon, Paul R.; and Peserik, James E., to Harris-Intertype Corporation. Method and apparatus for forming a dense shingled array of signatures. 3,842,719, 10-22-74, Cl. 93-93.00m.

Fernberg, Paul C. R.; and Harley, David N., to ITW Limited. Tamper proof seals. 3,838,878, 10-1-74, Cl. 292-318.000.

Ferner, Jack C.: *See—*
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Fernholtz, Hans: *See—*
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Fernholz, Hans; and Freudenberger, Dieter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of benzyl cyanide. 3,804,876, 4-16-74, Cl. 260-465.00r.

Fernholz, Hans; and Freudenberger, Dieter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous preparation of dichloropropanols. 3,823,193, 7-9-74, Cl. 260-633.000.

Fernlund, Lars Martin Ingemar, to SKF Industrial Trading and Development Company B.V. Triple ring bearings. 3,796,472, 3-12-74, Cl. 308-35.000.

Fernlund, Lars Martin Ingemar, to SKF Industrial Trading and Development Company B.V. Roller bearing. 3,827,771, 8-6-74, Cl. 308-212.000.

Ferno, Ove Birger; and Ohlsson, Corfitz Bengt Ingvar, to Aktiebolaget Leo. Buffered smoking substitute compositions. 3,845,217, 10-29-74, Cl. 426-3.000.

Ferno-Washington, Inc.: *See—*
Bourgraf, Elroy E.; and Self, Kenneth R., 3,801,208.

Fernseh G.m.b.H.: *See—*
Bachmann, Horst, 3,789,135.
Illetschko, Gerhard, 3,798,353.
Kamin, Gerhard Robert, 3,790,705.

Fernstrom, Carl F., to Emerson Electric Co. Ignition and control system for gas burners. 3,807,933, 4-30-74, Cl. 431-66.000.

Ferodo Limited: *See—*
Guittard, Michael R., 3,850,791.

Ferplas Industries Limited: *See—*
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Ferrajuolo, Roberto Vincenzo: *See—*
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Ferrand, Bernard; Forrat, Francis; Grange, Yves; Joubert, Jean-Claude; and Mareschal, Jean, to Commissariat a l'Energie Atomique. Method of preparation of single crystal films. 3,849,193, 11-19-74, Cl. 117-235.000.

Ferrand, Jan, to Societe C. M. V. Lens guide arrangement and apparatus for grinding and polishing toric lenses. 3,827,192, 8-6-74, Cl. 51-124.100.

Ferrand, Marcel. Cultivation pot for seedlings and plants. 3,841,021, 10-15-74, Cl. 47-1.200.

Ferrandini, Antoine R.: *See—*
Walker, Eugene L.; Ferrandini, Antoine R.; Walker, Eugene L.; and Ferrandini, Antoine R., 3,852,486.

Ferrandini, Suzanne W.: *See—*
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Ferranti Limited: *See—*
Brown, Kenneth Robson, 3,790,766.
Clarke, Graham Morley, 3,803,474.
Clarke, Graham Morley, 3,804,485.
Clarke, Graham Morley, 3,804,534.
Clarke, Graham Morley, 3,836,261.
Clarke, Graham Morley, 3,840,303.
Colaco, Stephen Francis, 3,827,034.
Duncan, James Ritchie; and Hannaford, Colin Donald, 3,836,875.
Gracie, Christopher Arthur James, 3,838,402.
Grundy, David Latham, 3,818,463.
Grundy, David Latham, 3,824,559.

Halley, David Walker; and Leather, Russell Allan, 3,848,946.
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Holmes, James; and Robertson, William, 3,822,602.
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Hulmes, Harold; and Pickin, John Rabert, 3,810,300.
Kerr, Andrew Guy, 3,799,678.
Rymer, Harold Frank, 3,801,720.
Swynford-Lain, Richard, 3,849,776.
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Tyler, Anton Roy; Lower, William Matthew; Taylor, Maurice Kenyon; and Forsyth, Robert C., 3,854,035.

Ferrara, Achille K. Universal finisher and separator. 3,802,129, 4-9-74, Cl. 51-163.000.

Ferrara, Achille K. Centrifugal means for drying and applying liquids to articles. 3,845,740, 11-5-74, Cl. 118-52.000.

Ferrara, Anne Marie, to Western Electric Company, Incorporated. Method of depositing a metal pattern on a surface. 3,791,340, 2-12-74, Cl. 117-47.00a.

Ferrara, Anne Marie; and Kenney, John Thomas, to Western Electric Company, Incorporated. Method of selectively depositing a metal on a surface. 3,791,939, 2-12-74, Cl. 204-15.000.

Ferrara, Peter J.; Dalby, Gaston; Barnes, Clarence A., Jr.; and Gordon, Roay. Soap composition and process of producing such. 3,814,698, 6-4-74, Cl. 252-370.000.

Ferrara, Rose S. Mail receptacle. 3,802,620, 4-9-74, Cl. 232-19.000.

Ferrara, Rose S. Easy-on bands for rolled meats. 3,823,442, 7-16-74, Cl. 24-16.00r.

Ferrara, Rudolph A., to General Motors Corporation. Vehicle seat cushion with resilient back bar. 3,810,675, 5-14-74, Cl. 297-460.000.

Ferrari, Andres; Blumle, Leo J.; and Bonar, Laurence C., to Damon Corporation. Multiple photometer assembly. 3,834,821, 9-10-74, Cl. 356-181.000.

Ferrari, Christopher, to Damon Corporation. Apparatus for the selective dispensing of a liquid and a gas. 3,804,108, 4-16-74, Cl. 137-112.000.

Ferrari, Giorgio: *See—*
Canonica, Luigi; Danieli, Bruno; and Ferrari, Giorgio, 3,828,082.

Ferrari, Giorgio; Canonica, Luigi; and Danieli, Bruno, to Dauten S.A. Steroid insecticide extracted from kaladana and process for producing same. 3,795,686, 3-5-74, Cl. 260-397.200.

Ferrari, Giuseppe; and Griselli, Pier Luigi, to Montecatini Edison S.p.A. Process for the synthesis of alcohols. 3,819,727, 6-25-74, Cl. 260-638.0hf.

Ferrari, Iorgio; and Casagrande, Cesare, to Siphar S.A. 1,4-Benzodiazephine derivatives. 3,799,920, 3-26-74, Cl. 260-239.30d.

Ferrari, Leonard A., to Bell & Howell Company. Video information recording and display. 3,833,758, 9-3-74, Cl. 178-6.800.

Ferrari, Luigi M., to Del Laboratories, Inc. Display package for cosmetics. 3,809,226, 5-7-74, Cl. 206-78.00b.

Ferrari, William, to Istituto Chemioterapico Italiano S.p.A. Treatment of diseased of the central nervous system with 3,4,5-trimethoxybenzamido-butyric acid. 3,808,337, 4-30-74, Cl. 424-319.000.

Ferrario, Bruno: *See—*
Porta, Paolo Della; Cataluppi, Angelo; Ferrario, Bruno; and Montalenti, Paolo, 3,856,709.
Porta, Paolo Della; Giorgi, Tiziano A.; Cantaluppi, Angelo; Ferrario, Bruno; and Mantalenti, Paolo, 3,857,680.

Ferrario, Franco. Conducting fluid type inertia responsive switch for motor vehicles. 3,789,170, 1-29-74, Cl. 200-61.470.

Ferraris Development & Engineering Company Limited: *See—*
Williams, Garnet Montague, 3,797,480.

Ferraris, Giuseppe: *See—*
Priola, Aldo; Cesca, Sebastiano; Ferraris, Giuseppe; Boy, Mario Bassaredda; and Giusti, Paolo, 3,850,894.
Priola, Aldo; Cesca, Sebastiano; and Ferraris, Giuseppe, 3,850,895.
Priola, Aldo; Cesca, Sebastiano; Ferraris, Giuseppe; Boy, Mario Baccaredda; and Giusti, Paolo, 3,850,896.
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Ferraro, Frank A.: *See—*
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Dawidowicz, Jan; and Ferraro, Frank A., 3,783,493.
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Fairfield, Jan Dawidowicz; and Ferraro, Frank A., 3,793,725.

Ferraro, Frank A., to Warner-Lambert Company. Razor with adjustable blade cartridge. 3,816,913, 6-18-74, Cl. 30-47.000.

Ferraro, Frank A., to Warner-Lambert Company. Shaving unit for safety razor. 3,849,882, 11-26-74, Cl. 30-346.580.

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Ferraro, Joseph George: *See—*
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Ferraro, P., & C. S.p.A.: *See—*
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Ferre, Glenn E.; Franz, Maurice F.; Lohbauer, Kenneth R.; and McMillan, William D., to Caterpillar Tractor Company. Combined engine speed and pressure responsive control for variable displacement pumps. 3,841,795, 10-15-74, Cl. 417-216.000.

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Abbatiello, Leonard A.; Carey, Loren E.; Ferree, Donald V.; and Green, Walter L., 3,834,256.

Ferrell, Blount. Eyeglasses. 3,846,017, 11-5-74, Cl. 351-106.000.

Ferrell, Howard H.: *See—*
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Ferrell, Ralph T., to Continental Oil Company. Inhibition of olefin isomerization and reverse displacement in catalytic displacement reactions. 3,829,520, 8-13-74, Cl. 260-677.000.

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Ferrentino, Antonio: *See—*
Priaroggia, Paolo Gazzana; and Ferrentino, Antonio, 3,798,345.

Ferrentino, Antonio, to Industrie Pirelli, S.p.A. Waveguide winding machine. 3,793,864, 2-26-74, Cl. 72-136.000.

Ferrentino, Antonio, to Industrie Pirelli, S.p.A. Apparatus and process for the continuous manufacture of a waveguide formed by a cylindrical helix. 3,845,549, 11-5-74, Cl. 29-600.000.

Ferrentino, Antonio, to Industrie Pirelli, S.p.A. Device with adjustable turn-shifting blades for laying or recovering submarine cables. 3,854,698, 12-17-74, Cl. 254-190.00r.

Ferrero, P., & C., S.p.A.: *See—*
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Ferrett, Colin: *See—*
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Ferretti, Emmett J., to Diamond Shamrock Corporation. Process for scrubbing a reaction by-product vapor. 3,831,347, 8-27-74, Cl. 55-48.000.

Ferri, Beniamino. Mechanical-hydraulic interlocked digital controlled positioning apparatus. 3,838,326, 9-24-74, Cl. 318-573.000.

Ferriell, Warren L.: *See—*
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Ferrier, Duncan Cameron; Berry, Thomas; and Murenbeeld, Karel, to Heathcoat, John, & Company Limited. Method of producing bulked yarns. 3,810,285, 5-14-74, Cl. 28-72.110.

Ferries, Kenneth C.: *See—*
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Ferrieux, Francois. Process allowing cold working of soft and very soft or low alloy content steels by hardening them after forming. 3,806,377, 4-23-74, Cl. 148-12.000.

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Ferrigno, William L., to General Electric Company. Electronic tree light controller. 3,793,531, 2-19-74, Cl. 307-41.000.

Ferrill, Herbert E., Jr., 2/5% to Simpson, J. C. and 1/5% to Phillips, Harry J. R. Phase-timed energy discharge control system. 3,803,451, 4-9-74, Cl. 315-209.00t.

Ferrill, Homer E., to Dresser Industries, Inc. Pressure relief system. 3,815,628, 6-11-74, Cl. 137-492.500.

Ferrin, Charles R., to Combustion Engineering, Inc. Heater. 3,835,816, 9-17-74, Cl. 122-156.000.

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Ferris, Byron S. Method of producing three-dimensional foam plastic forms. 3,836,624, 9-17-74, Cl. 264-321.000.

Ferris, Daniel Ernest: *See—*
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Ferris, Deam H.; and Arambulo, Angel S., to University of Illinois Foundation. TGE virus vaccine. 3,823,228, 7-9-74, Cl. 424-35.000.

Ferris, Leslie M.: *See—*
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Ferris, Ray L.: *See—*
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Ferris, Robert C., to Coursigns, Inc. Plastic sign kit. 3,785,331, 1-15-74, Cl. 116-63.00r.

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Ferriss, Lincoln S., to Singer Company, The. Pulse duration modulated to digital and analog converter for use in a gyro pickoff. 3,808,542, 4-30-74, Cl. 328-30.000.

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Ferse, Armin; and Koch, Wolfgang, to VEB Chemiewerk Nunchritz. Process for preparing perfluorinated mono- and dicarboxylic acids. 3,833,626, 9-3-74, Cl. 260-408.000.

Fershter, Abram Vulfovich: *See—*
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Fertl, Walter H.; Cavanaugh, Robert J.; and Hillhouse, John L., to Continental Oil Company. Predicting occurrence of geopressured subterranean zones during drilling. 3,785,446, 1-15-74, Cl. 175-50.000.

Ferton, Jean-Yves; and Vento, Georges, to Merlin Gerin Societe Anonyme. Bus bar and stationary disconnect contact assembly for draw-out switchgear. 3,818,281, 6-18-74, Cl. 317-103.000.

Feryszka, Rubin; and Preisig, Joseph Otto, to RCA Corporation. MOS FET reference voltage supply. 3,823,332, 7-9-74, Cl. 307-297.000.

Feser, Kurt, to Haefely, Emil, & Cie. AG. Multistage pulse generator. 3,821,561, 6-28-74, Cl. 307-110.000.

Fess, Emil; Beitzinger, Kurt; and Koblitz, Werner, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Straight-bar knitting machines. 3,842,624, 10-22-74, Cl. 66-82.00r.

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Fest, Otto. Time delay relay. 3,826,955, 7-30-74, Cl. 317-141.00s.

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Festner, Theodor. Electrostatic precipitator wall panel. 3,837,145, 9-24-74, Cl. 55-146.000.

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Fetner, Martin J.; and Hunsicker, Glenn L., to Bethlehem Steel Corporation. Device for producing a visual display of the transverse tension profile of a moving steel strip. 3,826,132, 7-30-74, Cl. 73-143.000.

Fetner, Robert H.; and Alderman, John C., Jr., to Georgia Tech Research Institute. Method and apparatus for chromosome digitizing. 3,833,796, 9-3-74, Cl. 235-151.300.

Fetscher, Charles A.; and Gapa, John J., to Dexter Corporation, The. Process for purifying monomeric polyglycidyl compounds. 3,804,862, 4-16-74, Cl. 260-348.00r.

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Fette, Bruce A.; and Hazlett, Lester H., to Motorola, Inc. Electronic digital adder having a high speed carry propagation line. 3,843,876, 10-22-74, Cl. 235-175.000.

Fettel, Bruce E.; and Burd, Samuel, to Shiley Laboratories, Inc. Binasal pharyngeal airway. 3,814,103, 6-4-74, Cl. 128-351.000.

Fetterly, Lloyd C.; Conklin, George W.; and May, Nathan C., to Shell Oil Company. Method of epoxidizing olefinic compounds using an oxyboron catalyst. 3,832,363, 8-27-74, Cl. 260-348.50v.

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Fiala, Ernst, to Volkswagenwerk Aktiengesellschaft. Safety belt tensioning arrangement. 3,804,430, 4-16-74, Cl. 280-150.0sb.

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Fiala, Ernst, to Volkswagenwerk Aktiengesellschaft. Self-tensioning knee belt safety device. 3,840,248, 10-8-74, Cl. 280-150.00h.

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Fibrex Corporation: *See*—
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Fich, Sylvan: *See*—
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Fichelberger, Edward Baxter, to International Business Machines Corporation. Method of propagation delay testing a functional logic system. 3,784,907, 1-8-74, Cl. 324-57.0de.

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Fichteman, William Lee, to Du Pont de Nemours, E. I., and Company. Preparation of polymer solutions. 3,844,996, 10-29-74, Cl. 260-23.10h.

Fichter, Arthur A., Jr.; Danks, Ronald D.; Larsen, Farrell G.; and Throner, Guy C., Jr., to FMC Corporation. Smoke spotting cartridge. 3,811,381, 5-21-74, Cl. 102-66.000.

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Ficken, Leonard A.; and Podgorny, Gerald J., to UMC Industries, Inc. Adjustable cam unit. 3,839,925, 10-8-74, Cl. 74-568.00r.

Ficken, Vernon Joe; Halpern, Samuel E.; and Miller, Leonard R., to University of Oklahoma Foundation, Inc. Lung scanning 99m technetium macroaggregate and method of preparation. 3,810,976, 5-14-74, Cl. 424-1.000.

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Fiddes, Derek Edward, to Protective Plastics Limited. Swimming pool coping. 3,811,236, 5-21-74, Cl. 52-102.000.

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Fiddler, Theodore E.; and Adams, Arnold G. (said Adams assor. to said), 3,845,257.

Fiddler, Theodore E. Compact multiple connector apparatus for multiple channels and tubes. 3,820,828, 6-28-74, Cl. 285-137.00r.

Fiddler, Theodore E.; and Adams, Arnold G., said Adams assor. to said Fiddler, Theodore E. Actuator for electro-motive force and fluid pressure force. 3,824,356, 7-16-74, Cl. 200-61.860.

Fiddler, Theodore E.; and Adams, Arnold G., said Adams assor. to said Fiddler, Theodore E. Electrical and fluid switch with crossing slide chambers. 3,845,257, 10-29-74, Cl. 200-61.860.

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Fidi, Werner, to AKG Akustische und Kino-Gerate Gesellschaft mbH. Artificial reverberation device using a delay element with a locally inconstant propagation property. 3,843,840, 10-22-74, Cl. 179-1.00j.

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Fiedler, Helmut; and Fiebig, Hans-Helmut, to Siemens Aktiengesellschaft. Apparatus for line supervision for wire breaks in data transmission systems. 3,803,355, 4-9-74, Cl. 178-68.000.

Fiegl, David Elmer, to Dresser Industries, Inc. Center plate bearing. 3,834,774, 9-10-74, Cl. 308-137.000.

Fieglein, James M.; and Csanady, Michael, Jr., to Westinghouse Electric Corporation. System and method for operating a steam turbine with dual hydraulic independent overspeed protection especially adapted for a nuclear reactor powered steam turbine. 3,829,32, 8-13-74, Cl. 415-1.000.

Field, Allen I.; and Field, Sidney P. Embroidery hoop. 3,818,620, 6-25-74, Cl. 38-102.200.

Field, Crosby. System for handling fragmented ice. 3,850,002, 11-26-74, Cl. 62-67.000.

Field, Donald E.; and Griffith, James R., to United States of America, Navy. Fluorinated epoxy resins. 3,852,222, 12-3-74, Cl. 260-2.0ep.

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Field, Marshall, to Owens-Illinois, Inc. Solid ultrasonic delay lines and glass compositions therefor. 3,783,416, 1-1-74, Cl. 333-30.00r.

Field, Michael Frank, to Dominion Engineering Works, Limited. Slab piling system. 3,830,471, 8-20-74, Cl. 254-124.000.

Field, Nathan D.: *See*—
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Field, Nathan D.; Lorenz, Donald H.; Lu, Robert T.; and Schultz, Herman S., to GAF Corporation. Graft copolymer having an alkyl vinyl ether polymer backbone. 3,796,774, 3-12-74, Cl. 260-881.000.

Field, Nathan D.; Smolin, Edwin M.; and Williams, Earl P., to GAF Corporation. N-Vinyl lactam-C_{10-22} vinyl ether copolymer as protective colloids in vinyl chloride suspension polymerization. 3,839,310, 10-1-74, Cl. 260-92.80w.

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Fielding, Alfred W., to Sealed Air Corporation. Method for the manufacture of cellular material for cushioning and other purposes. 3,785,899, 1-15-74, Cl. 156-209.000.

Fielding, Brian Grosble, to Imperial Chemical Industries Limited. Solvent dyeing or solvent creaseproofing with steam and solvent vapor drying. 3,784,355, 1-8-74, Cl. 8-175.000.

Fielding, George H., to United States of America, Navy. Flame-in-engine photometer detector and alarm for phosphorus and other elements. 3,790,282, 2-5-74, Cl. 356-86.000.

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Fields, Ellis K., to Standard Oil Company. Process for preparing aromatic cyclic thiones. 3,818,041, 6-18-74, Cl. 260-327.00c.

Fields, Ellis K., to Standard Oil Company. Process for coupling organic molecules. 3,849,274, 11-19-74, Cl. 204-158.00r.

Fields, Fred W., to Coe Manufacturing Company, The. Veneer article and process of manufacturing plywood. 3,856,600, 12-24-74, Cl. 156-93.000.

Fields, Harold E. Claw clipper. 3,845,553, 11-5-74, Cl. 30-29.000.

Fields, Harold T.; and Habegger, Richard J., to General Electric Company. Apparatus for tying coils. 3,813,754, 6-4-74, Cl. 29-203.00d.

Fields, Jack W.; and Camp, Robert D., to Oxford Industries, Inc. Collar form and press apparatus. 3,851,807, 12-3-74, Cl. 223-2.000.

Fields, Joseph E.; and Johnson, John H., to Monsanto Company. Process for the separation of virus from non-viral proteins. 3,846,543, 11-5-74, Cl. 424-89.000.

Fields, Louis G. Optical densitometer for indicating the optical density and rate of change of the optical density of a specimen. 3,807,878, 4-30-74, Cl. 356-206.000.

Fields, Richard W., to Velsicol Chemical Corporation. Method of retarding the regrowth on trees. 3,849,108, 11-19-74, Cl. 71-88.000.

Fielibert, Jozef Frans; and van Rooijen, Adrianus, to Lever Brothers Company. Method of testing the seals of food containers and containers suitable therefor. 3,855,531, 12-17-74, Cl. 324-65.00r.

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Fieni, Walter, to Societe Anonyme Francaise du Ferodo. Fixing of heat-exchangers, inter alia motor vehicle radiators. 3,795,274, 3-5-74, Cl. 165-122.000.

Fieni, Walter, to Societe Anonyme Francaise du Ferodo. Safety-belt buckle. 3,806,999, 4-30-74, Cl. 24-230.00a.

Fieni, Walter, to Societe Anonyme Francaise du Ferodo. Safety belt reel with brake. 3,847,367, 11-12-74, Cl. 242-107.400.

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Fiffer, William L., to Sears, Roebuck and Co. Back carrier with adjustable support. 3,799,414, 3-26-74, Cl. 224-6.000.

Fifield, Ralph R. Load control device. 3,785,221, 1-15-74, Cl. 74-242.0hp.

Fifth Dimension, Inc.: *See—*
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Figari, Jorge Galvez. Process for collection and treatment of garbage. 3,788,027, 1-29-74, Cl. 53-24.000.

Figari, Jorge Galvez. Elevated monorail urban or suburban transportation system. 3,828,684, 8-13-74, Cl. 104-124.000.

Figge, Irving E.: *See—*
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Figl, Johann: *See—*
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Figler, Burton D.; and Nussdorfer, Theodore J., to Sanders Associates, Inc. Spectral discriminating radiation detection apparatus. 3,848,129, 11-12-74, Cl. 250-339.000.

Figueras, John, to Eastman Kodak Company. Photographic compositions and processes for the formation of integral color masks. 3,796,574, 3-12-74, Cl. 96-9.000.

Figueroa, David Richard; and Ginsberg, Guenter, to Coulter Electronics, Inc. Sample identification and test data correlation method and apparatus. 3,854,879, 12-17-74, Cl. 23-230.00r.

Figuls, Juan, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Magnetic card having slot for strain relief. 3,795,794, 3-5-74, Cl. 235-61.12m.

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Fikse, Lyman H., to Truckweld Equipment Co. Bottom dump operating mechanism. 3,806,198, 4-23-74, Cl. 298-30.000.

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Fikutani, Hideo; Tokizawa, Makoto; and Okada, Hiroyoshi, to Mitsubishi Chemical Industries Limited. Novel cured epoxy resin composition. 3,790,532, 2-5-74, Cl. 260-78.4ep.

Fila, Jurgen; and Kwiatkowski, Joachim, to Bosch, Robert, Elektronik GmbH. Tube means within an injection-molded temple for accommodating electric conductors therein. 3,853,393, 12-10-74, Cl. 351-111.000.

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Filipiev, Vadim Alexandrovich; Kogtev, Vyacheslav Vladimirovich; Paneerova, Tamara Tikhonovna; and Podsoblyaev, Stanislav Vasilievich. Vertical multispindle continuous lathe. 3,792,633, 2-19-74, Cl. 82-2.500.

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Filipov, Alexandr Gordeevich; Nikishin, Valery Ivanovich; Udovik, Anatoly Pavlovich; Belopolsky, Vladimir Maximovich; Paukova, Ljudmila Petrovna; and Toropov, Anatoly Dmitrievich. Dynamic logic device. 3,808,457, 4-30-74, Cl. 307-215.000.

Filipowicz, Edwin A., to Griffith-Hope Company. Cup dispenser with radially adjustable cup supporting tabs. 3,790,023, 2-5-74, Cl. 221-304.000.

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Filippazzi, Franco; and Forlani, Franco, to Honeywell Information Systems Italia S.p.A. Connection means for semiconductor components and integrated circuits. 3,787,252, 1-22-74, Cl. 148-175.000.

Filippi, Ernest A.; and Smith, Matthew S. Powered line casting arrangement. 3,834,056, 9-10-74, Cl. 43-19.000.

Filippov, Andrei Nikiforovich; Toilin, Sergei Ivanovich; and Liberzon, Lev Abramovich. Sintered Ag-graphite-Ni metal ceramic material for making electric contacts and method of producing same. 3,804,599, 4-16-74, Cl. 29-182.500.

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Glazunov, Sergei Georgievich; Zhikharev, Ilya Alexandrovich; Filippov, Dmitry Alexandrovich; Norin, Pavel Vladimirovich; Zasulsky, Viktor Ivanovich; Yasinsky, Konstantin Konstantinovich; Khromov, Alexei Mikhailovich; Prostov, Illarion Afanasievich; Romanov Anatoly Sergeevich; Ivanov, Alexei Mikhailovich; Kashina, Elena Arkadievna; Gorina-Valeeva, Nina Sergeevna; Kuleshov, Mikhail Pavlovich; Smirnov, Pavel Ivanovich; Nikolaev, Vyacheslav Alexeevich; Krjuchkov, Igor Borisovich; Musatov, Veniamin Vladimirovich Moldavsky, Valery Moiseevich; Khrustsevich, Leonid Alexandrovich; Nekrasov, Vladimir Ilich; Lyapina, Galina Fedorovna; and Fedoseev, Nikolai Andreevich, 3,807,488.

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Goltsov, Viktor Alexeevich; Geld, Pavel Vladimirovich; Kagan, Genrikh Efimovich; Timofeev, Nikolai Ivanovich; Filippovichbelyaev, Ivan; Mitjushov, Viktor Alexandrovich; and Kurumchina, Saule Khuryatbekovna, 3,804,616.

Filkorn, Robert L., to General Electric Company. Apparatus for shearing weld flesh. 3,790,058, 2-5-74, Cl. 228-2.000.

Fillion, Jacques D.: *See—*
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Filliung, Jacques J.; Nelson, Axel B.; and Billeter, Henry R., to Sloan Valve Company. Bedpan rinser apparatus. 3,855,640, 12-24-74, Cl. 4-7.000.

Fillmore, A. Ray. Protective bed sheet. 3,851,346, 12-3-74, Cl. 5-334.00r.

Fillmore, Gary L.; Naylor, Hugh E., III; and West, Donald L., to International Business Machines Corporation. Servo control of ink jet pump. 3,787,882, 1-22-74, Cl. 346-75.000.

Fillmore, Richard Plumb: *See—*
Huener, Robert Charles; and Fillmore, Richard Plumb, 3,855,549.

Fillmore, Richard Plumb; and Heuner, Robert Charles, to RCA Corporation. Electronic firing circuit. 3,788,226, 1-29-74, Cl. 102-70.20r.

Filmer, John Reginald: *See—*
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Filter, Claus, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Shears for cutting a filling thread in a weaving machine. 3,837,077, 9-24-74, Cl. 30-231.000.

Filter, Claus, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft and Etablissement Wanderfield & Co. Electrically operable travelling-field race. 3,837,366, 9-24-74, Cl. 139-134.000.

Filter, Harold E.: *See—*
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Etablissement Wanderfield & Co. Filling thread tensioning means. 3,845,790, 11a5-74, Cl. 139-194.000.
Filter, Walther, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft and Etablissement Wanderfield & Co. Filling thread transfer and clamping device. 3,851,678, 12-3-74, Cl. 139-126.000.
Filter, Walther, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft and Etablissement Wanderfield & Co. Battening apparatus in flat weaving machine. 3,856,056, 12-24-74, Cl. 139-291.00r.
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Filz, Charles J.; Maurice, George T.; and Rasmussen, Svein B., to Du Pont de Nemours, E. I., and Company. Centrifuge chromatography apparatus and system. 3,810,545, 5-14-74, Cl. 210-198.000.
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Finch, Neville, to Ciba-Geigy Corporation. Tetrahydroisoxazolo(5,4-c)isoquinolines. 3,816,429, 6-11-74, Cl. 260-288.00r.
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Finck, Patricia A., to Colgate-Palmolive Company. Non-phosphate automatic dishwasher detergent. 3,826,748, 7-30-74, Cl. 252-99.000.
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Findeisen, Kurt; Wagner, Kuno; and Moller, Friedrich, to Bayer Aktiengesellschaft. Process for the production of basic polyamides and copolyamides. 3,830,786, 8-20-74, Cl. 260-78.001.
Findeisen, Kurt; Holtschmidt, Hans; and Wagner, Kuno, to Bayer Aktiengesellschaft. Process for preparing quinazolines. 3,843,652, 10-22-74, Cl. 260-251.00q.
Findeisen, Kurt; and Wagner, Kuno, to Bayer Aktiengesellschaft. Process for the production of orthocarbonic acid esters. 3,857,897, 12-31-74, Cl. 260-613.00r.
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Findlay, Peter Michael; Savage, Sidney Clifford; Klee, John Michael; and Gamble, Joseph Eric, to Wildt Mellor Bromley Limited. Patterning mechanisms for knitting machines. 3,835,669, 9-17-74, Cl. 66-50.00r.
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Fine, Harry Harold, to Schlegel Manufacturing Company, The. Can seal applier. 3,851,443, 12-3-74, Cl. 53-139.300.
Fine, Leonard Wolfe; Grayson, Martin; and Grayson, Suggs. Bleaching compositions containing a N-acyl azole. 3,816,324, 6-11-74, Cl. 252-186.000.
Fine, Martin; Glusick, Robert E.; and Jacobs, Gordon B., to General Electric Company. Electronically driven spiral scan synchronous transmit-receiver laser system. 3,840,293, 10-8-74, Cl. 350-285.000.
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Finefrock, Doanld W., to Johnson Rubber Company, The. Bearing for articulated barge or the like. 3,799,101, 3-26-74, Cl. 114-235.00a.
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Finelli, Anthony F.; and Wert, Richard L., to Goodyear Tire & Rubber Company, The. Polyurethane composition and its use to form polystyrene laminates. 3,796,593, 3-12-74, Cl. 117-104.000.
Finelli, Patrick L., to Polaroid Corporation. Collapsible camera. 3,832,726, 8-27-74, Cl. 354-187.000.
Finelli, Thomas M., to Avco Corporation. Fire protection material. 3,816,226, 6-11-74, Cl. 161-48.000.
Finelli, Thomas M.; Halpert, Sidney; and Newland, Julian H., to Avco Corporation. Reticulated fire protecting structure. 3,840,425, 10-8-74, Cl. 161-68.000.
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Finger, Carl; and Pausche, John W., to Motorola, Inc. Flexible flat cable system. 3,825,878, 7-23-74, Cl. 339-17.00f.
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Finger, John F., to Sioux Corporation. Vertical fish farm. 3,804,063, 4-16-74, Cl. 119-3.000.
Finger, John F., to Sioux Steam Cleaner Corporation. Split discharge system for washing apparatus. 3,817,272, 6-18-74, Cl. 137-334.000.
Finger, John F., to Sioux Steam Cleaner Corporation. Air conditioning apparatus. 3,823,768, 7-16-74, Cl. 165-48.000.
Finger, John F.; Jackson, William C.; and Pochop, Merle E., to Sioux Steam Cleaner Corporation. Welding helmet. 3,838,247, 9-24-74, Cl. 219-147.000.

Finger, John F.; and Pochop, Merle E., to Sioux Steam Cleaner Corporation. Multi-pass heating apparatus with expandable air cooled jacket. 3,841,273, 10-15-74, Cl. 122-248.000.
Finger, Rudolph; Berg, Erich; and Schuppstuhl, Heinz, to Ohler Eisenwerk Theob. Pfeiffer. Cover with opening tab for containers, in particular eating bowls. 3,831,837, 8-27-74, Cl. 229-51.0ts.
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Fink, Anton; and Wentworth, Harold, to Metrology Systems Corporation. Three jaw chuck application. 3,782,742, 1-1-74, Cl. 279-110.000.
Fink, Clyde H. Physical training system. 3,808,707, 5-7-74, Cl. 35-29.00a.
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Fink, Hans-Ferdi; Koerner, Gotz; and Schmidt, Gunter, to Goldschmidt, Th., AG. Polishing composition. 3,817,889, 6-18-74, Cl. 260-28.000.
Fink, Hermann, to Siemens Aktiengesellschaft. Suspension system for a magnetic suspension railroad. 3,841,227, 10-15-74, Cl. 104-148.550.
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Fink, Werner, to ITT Industries, Inc. Differential-lock type device for a motor vehicle. 3,825,306, 7-23-74, Cl. 303-21.0be.
Fink, Wilfried. Universal holder for thread cutting dies. 3,811,145, 5-21-74, Cl. 10-123.00p.
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Finkbeiner, Rudolf. Guide rod for feeding curtain suspenders into position. 3,849,856, 11-26-74, Cl. 29-200.00d.
Finke, Arthur A., to Allen Group Inc., The. Marine antenna mount. 3,819,136, 6-25-74, Cl. 248-42.000.
Finke, Ernst-Guenter, to Voith Getriebe KG. Hydrodynamic torque converter. 3,810,362, 5-14-74, Cl. 60-362.000.
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Finke, Eugene W., to Monarch Marking Systems, Inc. Hand held automatic labelling machine. 3,840,422, 10-8-74, Cl. 156-579.000.
Finke, Harry P.; Carr, Hugh B.; and Wilson, Carl D., to Bloom Engineering Company, Inc. Three lever valve with relief port. 3,804,124, 4-16-74, Cl. 137-630.140.
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Finkel, Bernard G.; Levy, Arthur L.; and Keyloun, Carol, to Scientific Specialties, Ltd. Method and apparatus for determining triglyceride level. 3,791,791, 2-12-74, Cl. 23-230.00b.
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Finkman, Hans-Ulrich; and Engeln, Bernard, to Chemische Werke Huls Aktiengesellschaft. Thermoplastic molding composition comprising polybutene and polypropylene. 3,836,607, 9-17-74, Cl. 260-897.00a.
Finkmann, Hans-Ulrich; Felger, Hans; and Zingsheim, Peter, to Chemische Werke Huls Aktiengesellschaft. Process for injection molding foam synthetic resin materials involving introduction of the expansion agent into the metering zone between injection moldig steps. 3,793,416, 2-19-74, Cl. 264-53.000.
Finlay, Alexander, Jr.; Dyer, Robert E.; and Kessler, William D., to Sangamo Electric Company. Remote meter reading system using electric power lines. 3,815,119, 6-4-74, Cl. 340-310.00r.
Finlay, Robert B., to Global Marine Inc. Arctic pipelaying. 3,844,129, 10-29-74, Cl. 61-72.300.
Finlay, Robert L. Spring biased arrow rest. 3,828,757, 8-13-74, Cl. 124-41.000.
Finlay, Walter L.; Nayar, Harbhajan S.; and Hay, Donald A., to Copper Range Company. Metal powders for roll compacting. 3,787,200, 1-22-74, Cl. 75-.50b.
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Finley, James, to Hanlo Gage and Engineering Company. Adjustable indicator gaging unit. 3,826,010, 7-20-74, Cl. 33-169.00r.
Finley, John W.; Hautala, Earl; and Walker, Charles E., to United States of America, Agriculture. Process for isolating proteins using liquid fluoro carbons and low density hydrocarbon solvents. 3,828,017, 8-6-74, Cl. 260-112.00g.

Finley, Joseph Burton, to Du Pont de Nemours, E. I., and Company. Viscosity-stable chloroprene sol polymer. 3,849,372, 11-19-74, Cl. 260-45.95r.

Finley, Joseph H.: *See—*
Blumbergs, John H.; and Finley, Joseph H., 3,821,296.

Finley, Richard O. Disposable cooking utensil with even heating. 3,799,048, 3-26-74, Cl. 99-415.000.

Finley, Ronald K.; Langlois, Donald J.; Nicholson, Robert H.; and Porter, Herschel F., to Doxsee Feed Corporation. Method for obtaining clean meat of natural color from whole clams. 3,794,746, 2-26-74, Cl. 426-479.000.

Finley, William W. Apparatus for the programmed treatment of bed wetting. 3,810,140, 5-7-74, Cl. 340-235.000.

Finn, Burton C. Manually operated small boat drive. 3,809,006, 5-7-74, Cl. 115-24.000.

Finn, Charles P. Apparatus and method for locating the center of gravity of a golf club. 3,785,197, 1-15-74, Cl. 73-65.000.

Finn, Everett N., to Brown & Williamson Tobacco Corporation. Cigarette cutoff and filter tip attachment registration apparatus. 3,828,796, 8-13-74, Cl. 131-21.00b.

Finn, Frank John: *See—*
Skutt, Thomas; and Finn, Frank John, 3,803,649.

Finn, Huck, Inc.: *See—*
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Finn Industries, Inc., The: *See—*
Alexander, John D.; and Adams, Leonard, Jr., 3,801,394.

Finn, Joseph F.: *See—*
Cicione, Robert J.; Najjar, Edward G.; Scanlon, Patricia M.; Ohlson, John L.; and Finn, Joseph F., 3,827,994.
Cicione, Robert J.; Najjar, Edward G.; Scanlon, Patricia M.; Ohlson, John L.; and Finn, Joseph F., 3,849,169.
Cicione, Robert J.; Najjar, Edward G.; Scanlon, Patricia M.; Ohlson, John L.; and Finn, Joseph F., 3,852,829.

Finn, Lawrence R.; and Smith, Richard L., to Owens-Corning Fiberglas Corporation. Method and apparatus for handling stackable bodies. 3,824,759, 7-23-74, Cl. 53-24.000.

Finnegan, Francis, to Texas Instruments, Incorporated. Apparatus for obviating undesirable operation of all electric circuit due to faulty switch. 3,794,859, 2-26-74, Cl. 307-238.000.

Finnegan, William G.: *See—*
Burkardt, Lohr A.; Finnegan, William G.; Odencrantz, Frederick K.; St. Amand, Pierre; and Stanifer, Charles, 3,802,971.

Finneman, Tyko K. Line holder. 3,817,471, 6-18-74, Cl. 242-85.100.

Finnemore, Fred M.: *See—*
Griffith, Jerry D.; Ketola, Herbert N.; and Finnemore, Fred M., 3,802,992.

Finnemore, Harlan E., to Air Preheater Company, Inc., The. Self-compensating sector plate. 3,786,868, 1-22-74, Cl. 165-9.000.

Finnemore, Harlan E., to Air Preheater Company, Inc., The. Interlocking rotor assembly. 3,818,978, 6-25-74, Cl. 165-9.000.

Finnemore, Harlan E., to Air Preheater Company, Inc., The. Horizontal support for rotary regenerative heat exchanger. 3,834,449, 9-10-74, Cl. 165-7.000.

Finnen, Gerald W.: *See—*
Keever, Joseph M.; Finnen, Gerald W.; and Ramsey, James E., Jr., 3,846,677.

Finneran, John L. Rotary mower. 3,828,533, 8-13-74, Cl. 56-320.200.

Finnerty, Robert P. Disposable paint applicator. 3,821,829, 7-2-74, Cl. 15-244.00r.

Finnimore, Bryan: *See—*
O'Brien, John Leslie; Finnimore, Bryan; and Hogg, Dallas John Arthur, 3,818,862.

Finnin, George R., to Sperry Rand Corporation. I/O device reserve system for a data processor. 3,812,471, 5-21-74, Cl. 340-172.500.

Finnstrand, Harald. Stove and burner assembly. 3,807,381, 4-30-74, Cl. 126-43.000.

Finnstrand, Harald, to International Telephone and Telegraph Corporation. Stove and burner assembly. 3,850,372, 11-26-74, Cl. 239-123.000.

Finocchiaro, Harry S.: *See—*
Finocchiaro, Harry S.; and Tyo, James (said Tyo assor. to said), 3,800,959.

Finocchiaro, Harry S.; and Tyo, James, said Tyo assor. to said Finocchiaro, Harry S. Ladder holder. 3,800,959, 4-2-74, Cl. 211-89.000.

Finster, Leslie P.; Petkovsek, Richard J.; and Reader, Trevor D., to Cogar Corporation. Tape cartridge loading and positioning system. 3,788,571, 1-29-74, Cl. 242-195.000.

Finsterwalder, Gerhard, to Klockner-Humboldt-Deutz Aktiengesellschaft. Arrangement and embodiment of a spark plug with a diesel reciprocatory piston internal. 3,828,739, 8-13-74, Cl. 123-32.00r.

Finsterwalder, Klemens: *See—*
Finsterwalder, Ulrich; Finsterwalder, Klemens; and Buhrer, Rudolf, 3,803,785.
Herbst, Thomas; and Finsterwalder, Klemens, 3,855,804.

Finsterwalder, Norman Joseph: *See—*
Wilson, James Oliver; and Finsterwalder, Norman Joseph, 3,807,680.

Finsterwalder, Ulrich; and Bomhard, Helmut, to Dyckerhoff & Widmann Aktiengesellschaft. Multi-story building and method of construction therefor. 3,791,093, 2-12-74, Cl. 52-745.000.

Finsterwalder, Ulrich; Finsterwalder, Klemens; and Buhrer, Rudolf, to Dyckerhoff & Widmann Aktiengesellschaft. Anchoring means for tensioned member for heavy loads, for example, a slanted cable bridge. 3,803,785, 4-16-74, Cl. 52-230.000.

Finterm S.p.A. Gruppo Finanziario Termico: *See—*
Joannes, Giuseppe, 3,817,685.

Finucane, Thomas P.; and Halik, Joseph J., to General Foods Corporation. Dipeptide low-grade coffees. 3,829,588, 8-13-74, Cl. 426-354.000.

Fiocchi, Giulio, S.p.A.: *See—*
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Fiocco, Robert J.; and Wilson, Edward L., to Esso Research and Engineering Company. Coal liquefaction solids removal. 3,790,467, 2-5-74, Cl. 208-8.000.

Fioravanti, Leonardo, to Carrozzeria Pininfarina S.p.A. Motor vehicle bodywork with rigid sunshine roof. 3,823,977, 7-16-74, Cl. 296-137.00b.

Fiore, Angelo Ralph, Jr.: *See—*
Bhattacharyya, Ranendra K.; Fiore, Angelo Ralph, Jr.; and Rudd, David William, 3,805,044.

Fiore, John M., to Bio-Analytical Laboratories, Inc. Speculum barrel and retainer ring assembly. 3,815,584, 6-11-74, Cl. 128-6.000.

Fiore, John M., to Bio-Analytical Laboratories, Inc. Disposable vaginal speculum. 3,815,585, 6-11-74, Cl. 128-17.000.

Fiore, Leonardo; Nissim, Giorgio; and Corrado, Francesco, to Montecatini Edison. S.p.A. Process for purifying 1,3-dioxolane by treatment with NH_3 and distillation with cyclohexane. 3,857,759, 12-31-74, Cl. 203-29.000.

Fiore, Peter O.: *See—*
Baboian, Robert; and Fiore, Peter O., 3,847,685.

Fiore, Peter O., to Texas Instruments, Incorporated. Pressure responsive device having improved means for calibration. 3,816,685, 6-11-74, Cl. 200-83.00s.

Fiorella, John J. Flavored stitter for alcoholic beverages. 3,824,322, 7-16-74, Cl. 426-134.000.

Fiorella, John J. Citrus fruit peels for alcoholic beverages. 3,826,855, 7-30-74, Cl. 426-175.000.

Fiorenza, Armand A.: *See—*
Burg, Robert J.; Lieberman, Milton; and Fiorenza, Armand A., 3,834,549.

Fiori, Anthony M., to Spectra-Vision Corporation. Magnetic tape editing method and system. 3,787,617, 1-22-74, Cl. 179-100.20b.

Fiorino, Benjamin C., to International Business Machines Corporation. Method and apparatus for detecting the beginning of data block. 3,786,358, 1-15-74, Cl. 328-138.000.

Fiorino, Benjamin C.; and Rodriguez, Juan A. Digital time sampling phase comparator with noise rejection. 3,804,992, 4-16-74, Cl. 178-69.50r.

Fiorino, Benjamin C., to International Business Machines Corporation. Detection of digital data using integration techniques. 3,818,501, 6-18-74, Cl. 360-40.000.

Fiorletta, Carol J.: *See—*
Fiorletta, Robert J.; and Fiorletta, Carol J., 3,786,500.

Fiorletta, Robert J.; and Fiorletta, Carol J. Fiber optic translator. 3,786,500, 1-15-74, Cl. 340-380.000.

Fire Devices Manufacturing Limited: *See—*
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Fire Protection Company: *See—*
Dix, Keith M.; and Bonbrake, Bert, Jr., 3,783,947.

Fire Research Institute, Fire Defence Agency, Ministry of Home Affair: *See—*
Takahashi, Satoshi, 3,809,746.

Fire Sprinkler Control Company: *See—*
Straley, Robert J.; and Muller, Victor C., 3,837,406.

Firestone, Raymond A.: *See—*
Reinhold, Donald F.; Sletzinger, Meyer; and Firestone, Raymond A., 3,801,601.
Reinhold, Donald F.; Sletzinger, Meyer; and Firestone, Raymond A., 3,832,377.

Firestone, Raymond A., to Merck & Co., Inc. Hydroxy and imino containing phosphonic acid diesters. 3,784,590, 1-8-74, Cl. 260-944.000.

Firestone Tire & Rubber Company, The: *See—*
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Brey, Wilhelm; Hostetler, William; Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, 3,832,261.
Brey, Wilhelm; Hostetler, William; Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, 3,849,231.
Brey, Wilhelm; Hostetler, William; Loeffler, Earl Ferdnand; Kolm, Hubert Ernest; and Elder, Fred Grove, 3,850,730.
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Conard, Wendell R.; and Ellis, Ronald M., 3,786,087.
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Halasa, Adel F.; and Oberster, Arthur E., 3,787,377.
Halasa, Adel F., 3,803,107.
Halasa, Adel F., 3,806,557.
Halasa, Adel F., 3,819,764.
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Halasa, Adel F.; and Cheng, Tai Chun, 3,856,768.
Hergenrother, William L.; and Ambrose, Richard J., 3,838,108.
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Kyker, Gary Stephen; Beckman, Joseph Alfred; Halasa, Adel Farhan; and Hall, James Edward, 3,843,596.
Laman Joseph R.; and Kay, Edward Leo, 3,823,224.
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Lawson, David Francis; Willis, James M.; and Kyker, Gary Stephen, 3,804,927.
Liska, John W.; and Beckman, Joseph A., 3,823,223.
Lohr, Delmar F., Jr.; and Kay, Edward Leo, 3,786,009.
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Lohr, Delmar F., Jr.; and Kay, Edward L., 3,852,229.
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McGillvary, Daniel Ross, 3,787,550.
Moosavian, Seid Hossein; and Johnson, Charles Robert, 3,799,235.
Oldack, Richard C.; Raines, Charles C.; and Montgomery, Richard L., 3,853,796.
Pearson, Dale S.; and Shurpik, Anton, 3,843,502.
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Ryder, John Charles, 3,814,158.
Sanda, Joseph C., Jr., 3,855,177.
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Yates, Gerald A.; and Stephens, Arnold M., Jr., 3,795,030.

Firm K. Bratschi Silent Gliss: *See—*
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Firma Alb. Klein K-G: *See—*
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Firma Alfelder Eisenwerke Carl Heise Kom.-Ges. -vorm. Otto Wesselmann & Cie.: *See—*
Glenewinkel, Eberhard, 3,838,932.

Firmain, Gerard; and Faillon, Georges, to Thomson-CSF. Velocity modulation tube with frequency multiplication for the continuous generation of high power outputs. 3,846,665, 11-5-74, Cl. 315-5.430.

Firman, Carl M., to United States of America, Navy. High frequency interference simulator and method of identifying causation of undesired non-linear intermodulation interference. 3,806,809, 4-23-74, Cl. 325-133.000.

Firman, Carl M., to United States of America, Navy. Apparatus for converting teletypewriter signals for use in digital logic circuits. 3,818,134, 6-18-74, Cl. 178-26.00r.

Firmenich S.A.: *See—*
Demole, Edouard P., 3,840,023.
Ohloff, Gunther; and Strickler, Hugo, 3,839,232.
Rautenstrauch, Valentin; and Naf, Ferdinand, 3,852,355.
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Firmenich S.A., mesne: *See—*
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First, Antonin, to CKD Praha, oborovy podnik. Chopper-controlled scheme for infinite field weakening of series motors. 3,792,326, 2-12-74, Cl. 318-138.000.

First Dynamics, Inc.: *See—*
Chang, Henry M., 3,792,798.
Chang, Henry M., 3,842,975.
Marchand, Jacques J., 3,851,441.

First National Bank of Miami, The, mesne: *See—*
Kiess, Raymond W.; and Stewart, Peter H., 3,819,276.
Morin, Leo G., 3,807,956.

First National City Bank: *See—*
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Firstenberg, Harold S. Track laying attachment to wheels having protruding hubs. 3,834,771, 9-10-74, Cl. 305-25.000.

Firstenberg, Harold S. Peripheral rear view mirrors for automobiles. 3,846,016, 11-5-74, Cl. 350-302.000.

Firth, Arthur Jose, 600 Machine Tools Limited. Trip device for use in a feed mechanism of a machine. 3,788,158, 1-29-74, Cl. 74-412.0tl.

Firth Cleveland Fastenings Limited: *See—*
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Firth, Francis G.: *See—*
Lent, Robert R.; and Firth, Francis G., 3,789,791.

Firth, Jack: *See—*
Harris, Derek James; and Firth, Jack, 3,818,820.

Firth, Robert L., to Donaldson Company, Inc. Fluid filter. 3,819,052, 6-25-74, Cl. 210-90.000.

Firth, Robert L., to Donaldson Company, Inc. Fluid filter with bypass and condition indicator. 3,827,558, 8-6-74, Cl. 210-90.000.

Firth, Robert L., to Donaldson Company, Inc. Seal for fluid filter. 3,847,819, 11-12-74, Cl. 210-444.000.

Firth, William Charles, Jr.: *See—*
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Fisch, Richard S.: *See—*
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Fisch, Richard S., to Minnesota Mining and Manufacturing Company. Photographic aqueous dispersion concentrates. 3,785,824, 1-15-74, Cl. 96-66.00r.

Fisch, Richard S.; and Newman, Norman, to Minnesota Mining and Manufacturing Company. Alkaline photographic developer concentrate. 3,790,381, 2-5-74, Cl. 96-66.100.

Fisch, Willy: *See—*
Schmid, Rolf; Lohse, Friedrich; Fisch, Willy; and Batzer, Hans, 3,810,855.
Schmid, Rolf; Lohse, Friedrich; Fisch, Willy; and Batzer, Hans, 3,816,365.

Fischbach, Frederick F., to Door Controls Incorporated. Door coordinating device. 3,822,506, 7-9-74, Cl. 49-367.000.

Fischbeck, James D.: *See—*
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Fischbein, Dave, Manufacturing Co.: *See—*
Fischbein, I. George; Fischbein, Harold; and Shark, Sam, 3,782,069.

Fischbein, Harold: *See—*
Fischbein, I. George; Fischbein, Harold; and Shark, Sam, 3,782,069.

Fischbein, I. George; Fischbein, Harold; and Shark, Sam, to Fischbein, Dave, Manufacturing Co. Bag closing machine with fluidic control system. 3,782,069, 1-1-74, Cl. 53-67.000.

Fischbein, Irwin W.; Alexander, Ben H.; and Sastri, Aiyaswami S., to Gillette Company, The. Cutting tool with alloy coated sharpened edge. 3,829,969, 8-20-74, Cl. 30-346.540.

Fischel, Halbert, to E & M Laboratories. Life support system and method. 3,807,396, 4-30-74, Cl. 128-142.000.

Fischel, Halbert; and Dichiro, Anthony, to Sub-Marine Systems Incorporated. Property interchange system for fluids. 3,847,211, 11-12-74, Cl. 165-166.000.

Fischell, Robert E., to United States of America, Navy. System for sensing and compensating for the disturbance forces on a spacecraft. 3,785,595, 1-15-74, Cl. 244-1.0sa.

Fischer & Porter Company: *See—*
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Azegami, Tadashi, 3,784,919.
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Grosch, Hermann; and Oelbe, Hans-Werner, 3,813,938.
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Zeeh, Bernd; Rohr, Wolfgang; Koenig, Karl-Heinz; and Fischer, Adolf, 3,847,931.

Fischer, Adolf; Koenig, Karl-Heinz; and Reicheneder, Franz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Herbicidal composition of a pyridazone derivative and a carbamoyl-oxy phenyl methyl carbamate. 3,810,751, 5-14-74, Cl. 71-92.000.

Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Herbicide. 3,813,237, 5-28-74, Cl. 71-117.000.

Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Herbicide. 3,826,642, 7-30-74, Cl. 71-91.000.

Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Herbicide. 3,846,113, 11-5-74, Cl. 71-91.000.

Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Herbicide. 3,849,107, 11-19-74, Cl. 71-92.000.

Fischer, Aksel: *See*—
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Fischer, Albert G., to United States of America, Army, mesne. Direct current electroluminescent panel using amorphus semiconductors for digitally addressing alpha-numeric displays. 3,807,036, 4-30-74, Cl. 29-577.000.

Fischer, Albert G., to United States of America, Army, mesne. Pocketable direct current electroluminescent display device addressed by MOS and MNOS circuitry. 3,807,037, 4-30-74, Cl. 29-577.000.

Fischer, Albert G., to Westinghouse Electric Corporation. Liquid crystal image display panel with integrated addressing circuitry. 3,840,695, 10-8-74, Cl. 358-61.000.

Fischer, Allen Herbert, to International Telephone and Telegraph Corporation. Electrical interconnect device. 3,855,570, 12-17-74, Cl. 339-267.000.

Fischer, Arthur. Lead supporting housing for electrical component. 3,796,921, 3-12-74, Cl. 317-99.000.

Fischer, Arthur. Method of setting an expansion anchor. 3,802,059, 4-9-74, Cl. 29-432.000.

Fischer, Arthur. Hip joint prosthesis. 3,846,846, 11-12-74, Cl. 3-1.000.

Fischer, Artur: *See*—
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Fischer, Artur. Surgical device. 3,782,374, 1-1-74, Cl. 123-92.0bb.

Fischer, Artur. Expansion anchor. 3,785,241, 1-15-74, Cl. 85-71.000.

Fischer, Artur. Blocks with non-circular slits and flat connectors having transversely bowed middle portions. 3,803,754, 4-16-74, Cl. 46-26.000.

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Fischer, Artur. Flexible member and arcuate member attachable thereto for imparting curvature. 3,811,219, 5-21-74, Cl. 46-25.000.

Fischer, Artur. Anchoring assembly. 3,815,467, 6-11-74, Cl. 85-77.000.

Fischer, Artur. Anchoring device. 3,837,257, 9-24-74, Cl. 85-64.000.

Fischer, C. Fink. Amphibious undercarriage for aircraft. 3,790,109, 2-5-74, Cl. 244-105.000.

Fischer, Carl E.; Delmastro, Albino F.; Burdge, Thomas S.; Brewington, Harrel B.; Harris, John B.; and Zaremba, Joseph, to Caterpillar Tractor Company. Buring tool. 3,804,187, 4-16-74, Cl. 175-409.000.

Fischer, Charles F., to Colgate-Palmolive Company. Compression assembly for soap plodder. 3,801,248, 4-2-74, Cl. 425-199.000.

Fischer, Charles F., to Colgate-Palmolive Company. Plodder trimmer nozzle. 3,847,527, 11-12-74, Cl. 425-308.000.

Fischer, Charles F., to Colgate-Palmolive Company. Means for high speed trimming of soap extrusions. 3,856,449, 12-24-74, Cl. 425-308.000.

Fischer, Christopher L.: *See*—
Stivers, Edward C.; and Fischer, Christopher L., 3,842,626.

Fischer, Christopher L., to Raychem Corporation. Universally jointed chilling tool. 3,788,692, 1-29-74, Cl. 294-19.00r.

Fischer, David J.; Jamerson, Charles D., Jr.; and Kunz, Hans J., to Corning Glass Works. Densitometry apparatus. 3,807,875, 4-30-74, Cl. 356-201.000.

Fischer, David L.: *See*—
Channon, Frederick R.; and Fischer, David L., 3,849,248.

Fischer, David L.; and Channon, Frederick R., to General Electric Company. Reactivity and power distribution control of nuclear reactor. 3,799,839, 3-26-74, Cl. 176-68.000.

Fischer, Dennis D.: *See*—
Heinen, Harold J.; Eisele, Judith A.; and Fischer, Dennis D., 3,825,651.

Fischer, Dragica: *See*—
Buchner, Stanisulaus; and Fischer, Dragica, 3,855,201.

Fischer, Earl L., to Victor Comptometer Corporation. Pneumatic gun with lost motion piston-piston rod connection. 3,800,773, 4-2-74, Cl. 124-13.00a.

Fischer, Edgar: *See*—
Cherdron, Harald; Fischer, Edgar; and Muck, Karl Friedrich, 3,835,096.
Noetzel, Siegfried; and Fischer, Edgar, 3,785,989.
Noetzel, Siegfried; and Fischer, Edgar, 3,812,054.
Vogt, Wilhelm; Fischer, Edgar; and Auer, Eberhard, 3,856,755.

Fischer, Edgar; and Muck, Karl Friedrich. Light degradable thermoplastic molding composition based on polyacetals. 3,835,097, 9-10-74, Cl. 260-67.0fp.

Fischer, Eduard F.; Farnworth, Edwin; and Christensen, Elmer, to Black Clawson Company, The. Apparatus for storing a fluent material. 3,794,387, 2-26-74, Cl. 302-10.000.

Fischer, Edward; and Arneson, Edwin L., to Federal Paper Board Company, Inc. Light bulb package. 3,820,707, 6-28-74, Cl. 229-39.00b.

Fischer, Edward J. Toilet reservoir valve. 3,853,141, 12-10-74, Cl. 137-436.000.

Fischer, Edward L., to Indiana National Bank, The. Mail order sales device method. 3,831,519, 8-27-74, Cl. 101-426.000.

Fischer, Elias, to Stepan Chemical Company. Method of copper sulfide ore flotation. 3,827,557, 8-6-74, Cl. 209-167.000.

Fischer, Erhard. Double bend stranded wire making machine. 3,826,072, 7-30-74, Cl. 57-58.570.

Fischer, Ernest John, to Gillette Company, The. Hair dryer with hood. 3,818,600, 6-25-74, Cl. 34-99.000.

Fischer, Ernst, to Gebr. Bohler & Co. AG. Rock drill bit. 3,800,892, 4-2-74, Cl. 175-410.000.

Fischer, Francis Elmer: *See*—
Prasad, Raj Nandan; and Fischer, Francis Elmer, 3,855,205.

Fischer, Frank E., to Consolidated Edison Company of New York, Inc. Electric power cable apparatus for transmitting power from a floating structure. 3,813,477, 5-28-74, Cl. 174-70.00r.

Fischer, Friedhelm: *See*—
Hoffmann, Hans-Jurgen; and Fischer, Friedhelm, 3,784,228.

Fischer, Georg, Aktiengesellschaft: *See*—
Anders, Georg; and Wagle, Suresh, 3,802,680.
Bernath, Oskar, 3,804,129.
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Fischer, Gerhard; and Strucker, Gunter, to Gustav Schade Maschinenfabrik. Bulk Material scraper. 3,814,268, 6-4-74, Cl. 214-10.000.

Fischer, Gerhard, to Gustav Schade Maschinenfabrik. Device for the removal of bulk material from round, cone-shaped piles. 3,847,289, 11-12-74, Cl. 214-10.000.

Fischer, Hans Karl Wilhelm, to General Motors Corporation. Automotive vehicle frames. 3,794,348, 2-26-74, Cl. 280-106.000.

Fischer, Hans-Gerhard: *See*—
Kindler, Horst; Fischer, Hans-Gerhard; Antoni, Wilhelm; and Appel, Ewald, 3,799,941.

Fischer, Hanspeter, to Ciba-Geigy Corporation. Pyridylium-s-triazines. 3,855,220, 12-17-74, Cl. 260-248.0cs.

Fischer, Harald, to Swarovski-Optik K.G. Foldable binocular field glasses. 3,817,594, 6-18-74, Cl. 350-70.000.

Fischer, Harry C., to Allied Chemical Corporation. Catalytic ammonia burner. 3,804,596, 4-16-74, Cl. 23-288.00r.

Fischer, Harry C., to Dole Refrigerating Company. Plate defrosting system utilizing defrosting liquid from a vehicle engine. 3,826,101, 7-30-74, Cl. 62-82.000.

Fischer, Henry V. Diving board construction. 3,856,296, 12-24-74, Cl. 272-66.000.

Fischer, Herbert Corliss; and Fischer, Herbert Corliss, Jr. Prestressed elements. 3,813,098, 5-28-74, Cl. 273-72.00r.

Fischer, Herbert Corliss, Jr.: *See*—
Fischer, Herbert Corliss; and Fischer, Herbert Corliss, Jr., 3,813,098.

Fischer, Hermann: *See*—
Derleth, Helmut; and Fischer, Hermann, 3,785,999.

Fischer Holdings Ltd.: *See*—
Fischer, Karl Otto Paul, 3,791,990.
Fischer, Uwe Michael, 3,805,692.

Fischer Industries, Inc.: *See*—
Carns, Vernon J., 3,805,685.

Fischer, Jacob G. Folding bed. 3,840,912, 10-15-74, Cl. 5-111.000.

Fischer, Janos: *See*—
Mikite, Gyula; Fischer, Janos; Rakoczi, Jozsef; Borsi, Jozsef; Elek, Sandor; Polgari, Istvan; Elekes, Istvan; and Maderspach, Andrea, 3,806,601.

Fischer, Jean Arnold: *See*—
Arfelt, Soren Christian Schoubye; Clausen, Ib Christian; Jensen, Johannes; Fynbo, Knud Hansen; and Fischer, Jean Arnold, 3,853,340.

Fischer, Joerg, to Bell & Howell. Indexing mechanism. 3,787,115, 1-22-74, Cl. 352-123.000.

Fischer, Joerg, to Bell & Howell Company. Apparatus for stripping film from a reel. 3,822,843, 7-9-74, Cl. 242-192.000.

Fischer, John R.: *See*—
Tan, Yen T.; Khosla, Rajinder P.; Fischer, John R.; and Ranadive, Deepak K., 3,820,988.

Fischer, Karl: *See*—
Fischer, Karl; and Niehaus, Wolfgang (said Niehaus assor. to said), 3,828,164.

Fischer, Karl, to E.G.O. Elektro-Gerate AG. Adjustable thermostatic device with snap switches. 3,786,218, 1-15-74, Cl. 200-83.00z.

Fischer, Karl; Gossler, Gerhard; and Kigherer, Robert, to E.G.O. Elektro-Gerate Blanc and Fischer. Electrical cooking appliance. 3,789,189, 1-29-74, Cl. 219-464.000.

Fischer, Karl; and Niehaus, Wolfgang, said Niehaus assor. to said Fischer, Karl. Cooking device with an electrical temperature control. 3,828,164, 8-6-74, Cl. 219-431.000.

Fischer, Karl; and Muller, Anton, to U.S. Philips Corporation. Recording and/or playback apparatus with battery indication controlled by cover position. 3,838,465, 9-24-74, Cl. 360-137.000.

Fischer, Karl, Apparate-und Rohleitungsbau: *See*—
Rothert, Horst, 3,844,496.

Fischer, Karl, Apparate-und Rohrleitungsbau: *See*—
Rothert, Horst, 3,842,973.

Fischer, Karl Heinz, to Riedhammer, Ludwig, GmbH. Calcining of carbon substances and carbonaceous rocks in a tunnel kiln. 3,822,190, 7-2-74, Cl. 201-15.000.

Fischer, Karl Otto Paul, to Fischer Holdings Ltd. Oil absorbent. 3,791,990, 2-12-74, Cl. 252-427.000.

Fischer, Klaus: *See*—
Dorfelt, Christoph; Fischer, Klaus; and Dittmar, Walter, 3,806,530.
Uhl, Klaus; and Fischer, Klaus, 3,810,775.

Fischer, Laurence A. Intruder alarm for automobiles. 3,794,967, 2-26-74, Cl. 340-63.000.

Fischer, Lawrence E., to Barnes Engineering Company. Intrusion detector alarm system having logic circuitry for inhibiting false alarms. 3,858,192, 12-31-74, Cl. 340-258.00r.

Fischer, Leonard G.; Sherain, Monroe B.; and Strum, Klemens, to DCA Food Industries, Inc. Method for improving shelf-life of baked goods. 3,830,948, 8-20-74, Cl. 426-363.000.

Fischer, Logan H.: *See*—
Adien, Charles A.; Fischer, Rickey A.; and Fischer, Logan H., 3,802,115.

Fischer, Martin; Wiersdorff, Walter-Wielant; Nuerrenbach, Axel; Horn, Dieter; and Feichtmayr, Franz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Isomerization of vitamin A compounds and their derivatives. 3,838,029, 9-24-74, Cl. 204-159.000.

Fischer, Nicolas, to Rhone-Progil. Compositions and method for making vinyl resin foam products. 3,796,675, 3-12-74, Cl. 260-2.50p.

Fischer, Peter A., to Martin Engineering Company. Self-clamping vibrator and track mount therefor. 3,839,918, 10-8-74, Cl. 74-86.000.

Fischer, Pierre, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Shell with spherical-shaped projectiles, method for the fabrication thereof, and apparatus for the performance. 3,829,940, 8-20-74, Cl. 29-1.210.

Fischer, Rainer: *See*—
Fischer, Stefan; and Fischer, Rainer, 3,787,165.

Fischer, Rickey A.: *See*—
Adien, Charles A.; Fischer, Rickey A.; and Fischer, Logan H., 3,802,115.

Fischer, Robert Frederick; Schmidt, Paul Herman; and Spencer, Edward Guerrant, to Bell Telephone Laboratories, Incorporated. Single wall domain propagation arrangement. 3,824,568, 7-16-74, Cl. 340-174.0tf.

Fischer, Robert Frederick; North, James Clayton; and Wolfe, Raymond, to Bell Telephone Laboratories, Incorporated. Single wall domain propagation arrangement. 3,828,329, 8-6-74, Cl. 340-174.0tf.

Fischer, Robert K.: *See*—
Helms, James K.; and Fischer, Robert K., 3,814,893.

Fischer, Robert T., to Miner Enterprises, Inc. Gravity and pneumatic discharge assembly for hopper. 3,843,204, 10-22-74, Cl. 302-52.000.

Fischer, Rolf; and Merten, Rudolf, to Farbenfabriken Bayer Aktiengesellschaft. Hydantoins and polyhydantoins containing olefin groups. 3,814,776, 6-4-74, Cl. 260-309.500.

Fischer, Roman: *See*—
Beck, Fritz; Sabelus, Guenther; Fischer, Roman; and Haufe, Juergen, 3,819,548.

Fischer, Stefan; and Fischer, Rainer. Support device for a moulding press. 3,787,165, 1-22-74, Cl. 425-450.000.

Fischer, Stefan; Galden, Peter; Scharrenbroich, Helmut; and Wollschlager, Dieter, to Zinpro Corporation. Mold opening and closing device for an apparatus making hollow bodies from thermoplastic material. 3,854,857, 12-17-74, Cl. 425-214.000.

Fischer, Stephen J. Hydraulic positional control system. 3,838,627, 10-1-74, Cl. 91-368.000.

Fischer, Udo: *See*—
Svensson, Tore Rolf; Fundell, Kjell Erik; Ekemar, Karl Sven Gustave; Lind, Bengt Anders; and Fischer, Udo, 3,847,763.

Fischer, Uwe Michael, to Fischer Holdings Ltd. Peat press. 3,805,692, 4-23-74, Cl. 100-120.000.

Fischer, Walter; Mastai, Aldo Josef; and Rocher, Edouard Yves, to International Business Machines Corporation. Over voltage protection circuit lateral bipolar transistor with gated collector junction. 3,787,717, 1-22-74, Cl. 317-235.00r.

Fischer, Walter; and Rutkowski, Herbert, to U.S. Philips Corporation. Recording and/or playback apparatus. 3,854,676, 12-17-74, Cl. 242-191.000.

Fischer, Wilfried; and Gammel, Gregor, to Brown, Boveri & Cie AG. Heat pipe with a sintered capillary structure. 3,840,069, 10-8-74, Cl. 165-105.000.

Fischer, Wilhelm: *See*—
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Fischer, Wilhelm; Krause, Friedrich; Biesner, Walter; and Sonnenmoser, Hubert, to Lever Brothers Company. Device for use in the production of cheese. 3,836,688, 9-17-74, Cl. 426-518.000.

Fischer, William H.: *See*—
Bratkowski, Walter V.; and Fischer, William H., 3,821,507.
Kane, Richard E.; and Fischer, William H., 3,852,556.

Fischer, William K., to Uniroyal, Inc. Dynamically partially cured thermoplastic blend of monoolefin copolymer rubber and polyolefin plastic. 3,806,558, 4-23-74, Cl. 260-897.00a.

Fischer, William K., to Uniroyal, Inc. Thermoplastic blend of copolymer rubber and polyolefin plastic. 3,835,201, 9-10-74, Cl. 260-897.00a.

Fischer-Brodbeck GmbH Prazisionsteile-Fabrik: *See*—
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Fischereder, Franz. Adjustable puppet show stage. 3,839,816, 10-8-74, Cl. 46-13.000.

Fischler, Hans-Michael: *See*—
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Fischler, Max, to Astra Lakemedel Aktiebolag. X-ray contrast composition containing barium sulphate. 3,784,681, 1-8-74, Cl. 424-4.000.

Fischman, Martin: *See*—
Aldrich, Floyd E.; and Fischman, Martin, 3,795,835.

Fischman, Martin, to GTE Sylvania Incorporated. Wide band frequency modulation detector. 3,843,932, 10-22-74, Cl. 329-117.000.

Fisco Products Limited: *See*—
Schreier, Otto Heinz, 3,832,783.

Fiser, James T.; Jackman, Robert M.; and James, Ray R., to Smith-Inland, A.O., Inc. Fiber reinforced tubular article having abrasion resistant liner. 3,794,081, 2-26-74, Cl. 138-141.000.

Fiser, James T., to Smith-Inland, A. O., Inc. Abrasion resistant pipe fitting. 3,794,359, 2-26-74, Cl. 285-55.000.

Fish, Aaron M., to Unican Security Systems, Ltd. Pin tumbler lock. 3,837,194, 9-24-74, Cl. 70-276.000.

Fish, Daniel Cecil Edward. Inflatable dams and dam units. 3,786,638, 1-22-74, Cl. 61-30.000.

Fish, Herbert I. Impact tools and handles therefor. 3,833,037, 9-3-74, Cl. 145-29.00r.

Fish, James F., to American Air Filter Company, Inc. Charcoal filter arrangement. 3,847,574, 11-12-74, Cl. 55-387.000.

Fish, John G.: *See*—
Pollack, Gordon P.; Fish, John G.; and Shortes, Samuel R., 3,837,873.
Reinberg, Alan R.; and Fish, John G., 3,814,641.

Fish, Norman B. Monsoki. 3,854,738, 12-17-74, Cl. 280-11.0bw.

Fish, Raymond M., to United States of America, National Aeronautics and Space Administration. Auditory display for the blind. 3,800,082, 3-26-74, Cl. 178-7.200.

Fish, Robert C.: *See*—
Garland, Milton W.; and Fish, Robert C., 3,827,249.

Fish, Robert F. Syringe holder. 3,840,007, 10-8-74, Cl. 128-215.000.

Fish, Vernon R. Accelerometer and antiskid braking system. 3,804,471, 4-16-74, Cl. 303-21.00b.

Fishback, Alton J.: *See*—
Calvert, Rodney K.; and Fishback, Alton J., 3,835,979.

Fishback, James K.: *See*—
Hughes, Carroll T., Jr.; and Fishback, James K., 3,855,950.

Fishback, James K., to Consumat Systems Inc. Directional control of hot gases from an incinerator or the like. 3,844,233, 10-29-74, Cl 110-8.00r.

Fishbein, John; Bell, Raymond W. H.; Clarke, Anthony J.; and Merriman, Peter. Polyurethane foams. 3,803,064, 4-9-74, Cl. 260-2.5aw.

Fishbein, John; Bell, Raymond William Henry; Clarke, Anthony James; and Merriman, Peter, to Dunlop Holdings Limited. Flexible polyurethane foams prepared from a mixture of polyether polyols. 3,857,800, 12-31-74, Cl. 260-2.5ap.

Fishbfin, Harry, to Swisstone Corporation. Winding mechanism for music box. 3,820,432, 6-28-74, Cl. 84-94.000.

Fishburn, Charles E., to National Printing Plate Co., Inc. Method of making a printing plate. 3,806,575, 4-23-74, Cl. 264-219.000.

Fishburne, Francis B. Vertical press apparatus with remotely controlled distributor. 3,817,298, 6-18-74, Cl. 141-80.000.

Fishburne, Francis B.; and Traughber, Charles W., Jr. Lift-and-lay conveyor. 3,838,769, 10-1-74, Cl. 198-218.000.

Fishburne International, Inc.: *See*—
Hart, Joel C.; and Traughber, Charles W., Jr., 3,824,758.

Fishcer & Porter Company: *See*—
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Fishel, Kenneth R., to United States of America, Navy. Combination strength/hydraulic cable. 3,794,079, 2-26-74, Cl. 138-103.000.
Fishel, Larry R.; and Pescetto, James R., to UMC Industries, Inc. Paper currency validator. 3,845,469, 10-29-74, Cl. 340-149.00a.
Fisher & Paykel Limited: *See—*
Grausch, Wolfgang Dieter; and O'Hare, David Hugh, 3,857,745.
Fisher, Alan J., to SCI Systems, Inc. High-frequency amplifier. 3,821,655, 6-28-74, Cl. 330-15.000.
Fisher, Arthur I. Shaving system for extended blade life. 3,808,920, 5-7-74, Cl. 83-22.000.
Fisher, Charles: *See—*
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Fisher, Charles K.: *See—*
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Fisher, Chester Donald: *See—*
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Fisher, Chester Donald, to Sprout, Waldron & Company, Inc. Reversible refiner feeder. 3,853,276, 12-10-74, Cl. 241-247.000.
Fisher Controls Company, Inc.: *See—*
Sumner, William D.; and Koch, Gary L., 3,807,442.
Sumner, William D.; and Koch, Gary L., 3,844,312.
Tiffany, Floyd L., 3,813,578.
Fisher, Dale J.; and Mueller, Theodore R., to United States of America, Atomic Energy Commission. Automatic controlled-current coulometric environmental monitor. 3,835,008, 9-10-74, Cl. 204-195.00t.
Fisher, David. Fuel system of internal combustion engines. 3,797,468, 3-19-74, Cl. 123-133.000.
Fisher, David. Fluid systems. 3,805,673, 4-23-74, Cl. 91-411.00r.
Fisher, David G.; and Hill, Jerry W., to Dayco Corporation. Endless power transmission belt and method of making same. 3,835,720, 9-17-74, Cl. 74-231.00c.
Fisher, Dennis Glendon: *See—*
Enstrom, Ronald Edward; and Fisher, Dennis Glendon, 3,814,996.
Fisher, Don E.; Knauff, Paul A.; and Bowen, David, Jr., to Monsanto Company. Traverse winding apparatus. 3,831,872, 8-27-74, Cl. 242-43.000.
Fisher, Donald H., to Xerox Corporation. Regulated corona generator. 3,805,069, 4-16-74, Cl. 250-326.000.
Fisher, Donald H.; Dodd, Colin R.; Jones, Dennis D.; and Marshall, George E., to Xerox Corporation. Transfer apparatus. 3,838,918, 10-1-74, Cl. 355-3.00r.
Fisher, Donald J., to Xerox Corporation. Continuous blade cleaner. 3,847,480, 11-12-74, Cl. 355-15.000.
Fisher, Edward; Rautio, Wilbur S.; Jankowiak, Roman; and Natell, Richard W., to Conax Corporation. Electrical penetrant structure. 3,856,983, 12-24-74, Cl. 174-151.000.
Fisher, Edward W., to Bailey Meter Company. Thin film resistance thermometer. 3,845,443, 10-29-74, Cl. 338-25.000.
Fisher, Ernest Pillow, Jr.; and Abney, David Lewis, Jr., to Dresser Industries, Inc. Gripping member for well tools or the like. 3,804,166, 4-16-74, Cl. 166-216.000.
Fisher, Ervin; and Olson, Frederick O., to Fuller Company. Gas-solids separator with access platform. 3,850,596, 11-26-74, Cl. 55-341.000.
Fisher, Eugene Jay: *See—*
Lloyd, Keith Andrew; and Fisher, Eugene Jay, 3,849,333.
Fisher, Evan D.; and Campagnuolo, Carl J., to United States of America, Army. Fluid oscillators. 3,799,205, 3-26-74, Cl. 137-826.000.
Fisher, Evan D., to United States of America, Army. Thermal ignition device. 3,854,401, 12-17-74, Cl. 102-70.00r.
Fisher, Ferdinand W.; and Sweet, Clifton D., Jr., to Eaton Corporation. Coil connections for an electromagnetic drive. 3,833,871, 9-3-74, Cl. 335-282.000.
Fisher, Frank W. Fish catch keeper. 3,783,548, 1-8-74, Cl. 43-21.200.
Fisher, Franklin C., Jr. Multiple punch press. 3,805,659, 4-23-74, Cl. 83-560.000.
Fisher, Gene A.; Janssen, Donovan M.; and Stedman, David, to International Business Machines Corporation. Rotary magnetic head apparatus having an air-bearing supported head wheel. 3,823,415, 7-9-74, Cl. 360-102.000.
Fisher, Gene J.; and Wheeler, Edward N., to Celanese Corporation. Alkanoic acid recycle system in process for catalytic production of an alkenyl alkanoate from an alkene and an alkanoic acid. 3,840,590, 10-8-74, Cl. 260-497.00a.
Fisher, Harold P.; McGough, Thomas H.; and Borden, Charles M. Method for making sprockets and/or gears. 3,796,085, 3-12-74, Cl. 72-348.000.
Fisher, Harold R.; McGough, Thomas H.; and Borden, Charles M., to Borg-Warner Corporation. Method and apparatus for making sprockets and/or gears. 3,796,106, 3-12-74, Cl. 74-243.00r.
Fisher, Harry; and Fisher, Stuart, 1/2 to Stagg Zipper Corporation. Apparatus for gapping zipper chain. 3,844,017, 10-29-74, Cl. 29-207.50d.
Fisher, Harry W.: *See—*
Farrell, Thomas C.; and Fisher, Harry W., 3,815,627.
Fisher, Howard M., to Pennsylvania Engineering Corporation. Suspension assembly for metal treating vessel. 3,799,527, 3-19-74, Cl. 266-36.00p.
Fisher, Howard M., to Pennsylvania Engineering Corporation. Method of transforming a top-blown steel converter vessel to a bottom-blown type. 3,810,297, 5-14-74, Cl. 29-428.000.
Fisher, Howard M., to Pennsylvania Engineering Corporation. Bottom handling apparatus for steel converter vessels. 3,820,665, 6-28-74, Cl. 214-1.00d.
Fisher, Howard M.; and Montgomery, Harry T., to Pennsylvania Engineering Corporation. Adjustable tuyere for metallurgical vessels. 3,841,617, 10-15-74, Cl. 266-41.000.
Fisher, Howard M.; Albers, Bernd G.; and Luczak, Joseph J., to Pennsylvania Engineering Corporation. Concrete molding machine. 3,844,524, 10-29-74, Cl. 249-120.000.
Fisher, Howard M., to Pennsylvania Engineering Corporation. Bottom clamp for OBM vessels. 3,851,865, 12-3-74, Cl. 266-35.000.
Fisher, James, to Parke, Davis & Company. New anthranilic acid - monoglycerides. 3,852,333, 12-3-74, Cl. 260-471.00r.
Fisher, Jerald H. Garment supporting means using woven cane. 3,829,902, 8-20-74, Cl. 2-338.000.
Fisher, John A.: *See—*
Saddler, Ivan R.; and Fisher, John A., 3,832,247.
Fisher, John A., to Motorola, Inc. Process for manufacturing integrated circuits on an alumina substrate. 3,783,052, 1-1-74, Cl. 148-191.000.
Fisher, John F.; and Zeller, Burton S., to Clark Equipment Company. Fluid pressure modulator and system. 3,848,620, 11-19-74, Cl. 137-116.300.
Fisher, John G.; and Clark, Gary T., to Eastman Kodak Company. Heterocyclic containing monoazo compounds. 3,804,823, 4-16-74, Cl. 260-158.000.
Fisher, John G.; and Clark, Gary T., to Eastman Kodak Company. Cationic thiadiazolyl monoazo dyes. 3,812,093, 5-21-74, Cl. 260-146.00r.
Fisher, John G.; Weaver, Max A.; and Coates, Clarence A., to Eastman Kodak Company. 5-(Cyanovinylene)-2-thiazolylazo-aniline compounds. 3,829,410, 8-13-74, Cl. 260-158.000.
Fisher, John G.; and Diebert, Curtis E., to Eastman Kodak Company. Methine compounds. 3,855,215, 12-17-74, Cl. 260-243.00a.
Fisher, John M., to Goodrich, B. F., Company, The. Movable wall for engine nozzle. 3,785,567, 1-15-74, Cl. 239-265.390.
Fisher, John M., to Goodrich, B. F., Company, The. Escape slide assembly. 3,811,534, 5-21-74, Cl. 182-48.000.
Fisher, John M., to Goodrich, B. F., Company, The. Inflatable life raft escape slide. 3,827,094, 8-6-74, Cl. 9-11.00a.
Fisher, John M. Method of making inflatable assembly with bulkheads and resulting article. 3,829,353, 8-13-74, Cl. 161-92.000.
Fisher, Julian V., to Illinois Tool Works, Inc. Light socket device. 3,783,435, 1-1-74, Cl. 339-92.00m.
Fisher, Julian V.; and Heck, Daniel C., to Illinois Tool Works Inc. Dielectric tool. 3,833,953, 9-10-74, Cl. 7-5.500.
Fisher, Julian Vernon, to Illinois Tool Works, Inc. Plastic fastener. 3,826,458, 7-30-74, Cl. 248-239.000.
Fisher, Julian Vernon, to Illinois Tool Works, Inc. Switch holder and actuating apparatus in a hinged closure appliance. 3,849,615, 11-19-74, Cl. 200-61.810.
Fisher, Leonard F. Polysiloxane coating composition. 3,817,769, 6-18-74, Cl. 106-289.0sb.
Fisher, Leslie George, to GKN Transmissions Limited. Connection of resiliently deformable sealing members to generally cylindrical articles. 3,822,570, 7-9-74, Cl. 64-32.00r.
Fisher, Lester: *See—*
Rayle, Brian James; Fisher, Lester; and Smith, Harvell Morton, 3,787,194.
Fisher, Lyman C., to United States of America, Navy. Safety and arming device. 3,853,056, 12-10-74, Cl. 102-16.000.
Fisher, Martin John: *See—*
Grant, John; and Fisher, Martin John, 3,806,408.
Fisher, Max; and Gardner, Paul S., to Old Colony Hosiery Mills, Inc. Manufacture of lady's panty hose. 3,808,842, 5-7-74, Cl. 66-177.000.
Fisher, Michael H.; Linn, Bruce O.; and Bochis, Richard J., to Merck & Co., Inc. 1-Aminobenzimidazoles. 3,839,347, 10-1-74, Cl. 260-302.00h.
Fisher, Perry G.: *See—*
Keith, Billy M.; Bussey, James R.; Cannon, Sidney E.; Patton, James C.; Fisher, Perry G.; Caldwell, Joseph H.; and Crocker, Ralph H., Jr., 3,819,837.
Fisher, Phillip R.: *See—*
Harper, Patrick H.; Gregory, Charles F.; and Fisher, Phillip R., 3,828,798.
Fisher, Raymond F. Safety sole for sport shoe. 3,782,011, 1-1-74, Cl. 36-59.00r.
Fisher, Reed Edward, to Bell Telephone Laboratories, Incorporated. Dual interdigital filter for microwave mixer. 3,818,389, 6-18-74, Cl. 333-73.00r.
Fisher, Robert C. Buckle assembly machine and method. 3,781,967, 1-1-74, Cl. 29-430.000.
Fisher, Robert E.: *See—*

Jacobs, Louis J.; Fisher, Robert E.; and Felice, Frank T., 3,793,042.
Klaudinyi, Bela; Fisher, Robert E.; and Jacobs, Louis J., 3,793,284.
Moore, Carlisle M.; and Fisher, Robert E., 3,832,937.
Fisher, Robert E., to Up-Right, Inc. Toe board assembly for scaffold platforms. 3,782,499, 1-1-74, Cl. 182-230.000.
Fisher, Robert E.; and Partch, Newell T., to Up-Right, Inc. Cable restraint for multi-stage pneumatic lift assembly. 3,799,290, 3-26-74, Cl. 182-148.000.
Fisher, Stuart: *See—*
Fisher, Harry; and Fisher, Stuart, 3,844,017.
Fisher, Thomas W., to Bethlehem Steel Corporation. Atmosphere controlled annealing process. 3,826,693, 7-30-74, Cl. 148-12.100.
Fisher, Walter, to Borg-Warner Corporation. Planetary differential for four wheel drive with automatic locking gear. 3,830,116, 8-20-74, Cl. 74-711.000.
Fisher, William J., 1/2% to Braverman, Maynard. Machine for processing flexible metallic conduit. 3,823,454, 7-16-74, Cl. 29-33.00k.
Fisher, William M., to General Electric Company. Disconnect terminal board. 3,813,642, 5-28-74, Cl. 339-198.00r.
Fisher, William T.; Patterson, Charles B.; and Dahl, Stanley M., to Purex Corporation, Ltd. Electrostatic printing apparatus having improved counter-electrode. 3,824,923, 7-23-74, Cl. 101-114.000.
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Fishkin, Edward A.; and Wilson, Harry W., to Mine Safety Appliances Company. Process for the production of nitronium perchlorate. 3,842,162, 10-15-74, Cl. 423-386.000.
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Krendel, Leonid; Nikonov, Vladimir Filippovich; Ognevsky, Viktor Alexeevich; Orlovsky, Anatoly Georgievich; Ostrovsky, Grigory Arkadievich; Palkin, Valery Evseevich; Pakhomov, Anatoly Vladimirovich; Stepin, Anatoly Loginovich; Trofimov, Oleg Fedorovich; Shpelyakovsky, Konstantin Zakharovich; Ryskind, Alexandr Moiseevich; Shklyarov, Isaak Nakhimovich; Rabin, Moisei Osipovich; Kalner, Veniamin Davydovich; and Fishkis, Mikhail Mironovich, 3,844,852.
Fishman, Adolph. Chemical compositions for general cleaning. 3,794,589, 2-26-74, Cl. 252-110.000.
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Fishman, Gerald J., to Brown Engineering Company, Inc. Radiation detectors using multiple scintillation crystal peices. 3,835,325, 9-10-74, Cl. 250-366.000.
Fishman, Jack, Lewenstein, Evalina; executrix of the estate of Lewenstein, Mozes J.; deceased. 6-Methylene-6-desoxy dihydro morphine and codeine derivatives and pharmaceutically acceptable salts. 3,814,768, 6-4-74, Cl. 260-285.000.
Fishman, Jack B.; and Mutschler, William E., to Nucleonics Development Company. AGC for rediation counter. 3,800,143, 3-26-74, Cl. 250-363.000.
Fishman, Jerry Haskel. Polypeptide materials bound to fluorocarbon polymers. 3,843,443, 10-22-74, Cl. 195-63.000.
Fishman, Morris, to FMC Corporation. Ethyl 4-carmethyoxy-2,2-dimethylthiazolidine-3-thiolocarboxylate. 3,796,721, 3-12-74, Cl. 260-306.700.
Fishman, Sherman S. Spray injection for testing an ultrasonic liquid level detector. 3,851,333, 11-26-74, Cl. 340-410.000.
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Fishman, William H.; and Linscheer, Wilem G. Anti-obesity process. 3,809,752, 5-7-74, Cl. 424-224.000.
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Fishwick, John Henry, to Foote Mineral Company. Colorant composition for clay products and method of making colored clay products. 3,844,812, 10-29-74, Cl. 106-316.000.
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Fisker, Jens Erik; and Sondergaard, Per, to Pedershaab Maskinfabrik A/S. Device for molding pipe having a spigot end. 3,813,203, 5-28-74, Cl. 425-441.000.
Fiskin, Alexandr Mikhailovich: *See—*
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Fitch, Harold G.; Mui, Wing F.; and Wolff, Robert W., to GTE Automatic Electric Laboratories Incorporated. Sequence counter control arrangement. 3,806,709, 4-23-74, Cl. 235-92.0ea.
Fitch, James B., to Nash Engineering Company. Liquid ring pump of the duplex type. 3,833,315, 9-3-74, Cl. 417-68.000.
Fitch, John C., to Fibco Incorporated. Highway safety device. 3,856,268, 12-24-74, Cl. 256-13.100.
Fitch, John L.; and Strubhar, Malcolm K., to Mobil Oil Corporation. Method of viscous oil recovery through hydraulically fractured wells. 3,810,510, 5-14-74, Cl. 166-271.000.
Fitch, John L.; Masse, Lucien; Medlin, William L., and Biot, Maurice A., to Mobil Oil Corporation. Hydraulic fracturing method to control vertical fracture heights. 3,851,709, 12-3-74, Cl. 166-308.000.
Fitch, Otis. Electric grain gate control. 3,832,615, 8-27-74, Cl. 318-481.000.
Fitch, Scott McDowell; Gallina, Alfonso Vincent; Gerkensmeier, Otto Frederick; and Warwick, Peter Stephen, to Bell Telephone Laboratories, Incorporated. Data character decoder with provision for decoding before all character elements are received. 3,786,42, 1-15-74, Cl. 340-172.500.
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Fite, Wade L.; and Myers, Richard L. Methods and apparatus for detection of very small particulate matter and macromolecules. 3,808,433, 4-30-74, Cl. 250-251.000.
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Fitterer, Horst; Uhl, Karl; Guenther, Friedrich; Schmidts, Kurt; and Gaiser, Dieter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Guide element for magnetic tapes. 3,843,035, 10-22-74, Cl. 226-195.000.
Fitton, Peter; and Whitesides, Thomas, to Hoffmann-La Roche Inc. Preparation of 6-methyl-1,5-heptadiene. 3,855,338, 12-17-74, Cl. 260-680.00r.
Fitton, Robert C., to Huber, J. M., Corporation. Method for stabilizing pigment slurries. 3,790,396, 2-5-74, Cl. 106-288.00b.
Fitton, Robert C., to Huber, J. M., Corporation. Modified, precipitated alumino silicate pigments and an improved method for preparing same. 3,798,046, 3-19-74, Cl. 106-306.000.
Fitton-Kearns, Rosslyn, to Makearn Holdings Limited. Traffic signals. 3,844,667, 10-29-74, Cl. 404-16.000.
Fitts, Frederick L., to Balance Technology, Inc. Method and apparatus for stabilizing a spherical bearing. 3,782,201, 1-1-74, Cl. 73-455.000.
Fitts, Jane W. Yarn palette. 3,856,140, 12-24-74, Cl. 206-388.000.

Fitz, Herbert; and Steininger, Alfred, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Mixtures of polytetrafluoroethylene and fillers and their manufacture. 3,793,287, 2-19-74, Cl. 260-42.180.

Fitzgerald, Bloyce D.: *See—*
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Fitzgerald, Emerson B., to Du Pont de Nemours, E. I., and Company. Glamour powder coating composition containing at least two different colored powders and reflective flakes. 3,843,571, 10-22-74, Cl. 260-17.00r.

Fitzgerald, Francis J., Jr.: *See—*
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Fitzgerald, James Allen; and Likhyani, Kewal Krishan, to Du Pont de Nemours, E. I., and Company. Process for producing poly-p-phenylene terephthalamide from solution of p-phenylene diamine and molten terephthaloyl chloride. 3,850,888, 11-26-74, Cl. 260-78.0r.

Fitzgerald, Jim W.: *See—*
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Fitzgerald, John V.: *See—*
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Fitzgerald, Mack A., Jr.; Scott, Carl W.; and Scott, Carl W., Jr., to Rolling Systems, Inc. Carpet cleaning machine. 3,840,935, 10-15-74, Cl. 15-322.000.

Fitzgerald, Maurice J., to Polaroid Corporation. Synthetic silver halide emulsion binder. 3,799,781, 3-26-74, Cl. 96-113.000.

Fitzgerald, Maurice J., to Polaroid Corporation. Synthetic silver halide emulsion binder. 3,799,782, 3-26-74, Cl. 96-113.000.

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Fitzgerald, Maurice J., to Polaroid Corporation. Synthetic silver halide emulsion binder. 3,832,185, 8-27-74, Cl. 96-114.000.

Fitzgerald, Maurice J., to Polaroid Corporation. Silver halide emulsions comprising polymeric peptizers. 3,852,073, 12-3-74, Cl. 96-114.000.

Fitzgerald, Nelson, to General Electric Company. Jacketed lamp mount frame clip. 3,786,298, 1-15-74, Cl. 313-292.000.

Fitzgerald, Nelson; and Lohrey, Edwin J., to General Electric Company. Strapping of pinch tube to mount frame. 3,803,435, 4-9-74, Cl. 313-25.000.

Fitzgerald, Robert E. Meat cleaner and conditioner. 3,813,775, 6-4-74, Cl. 30-279.00r.

Fitzgerald, Robert F., to Chandler Evans, Inc. Thrust vector steering techniques and apparatus. 3,806,063, 4-23-74, Cl. 244-3.220.

Fitzgerald, Thomas; and Edwards, Rebecca M., to Singer Company, The, mesne. Information segregation apparatus. 3,823,963, 7-16-74, Cl. 283-66.000.

Fitzgerald, Thomas W., to Everlasting Valve Company. Flangeless valve. 3,788,346, 1-29-74, Cl. 137-330.000.

Fitzgerald, Walter P., Jr.: *See—*
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Fitzgerald, William Maurice Bard. Power units. 3,841,797, 10-15-74, Cl. 417-323.000.

Fitzgibbons, Eugene T., to Rockwell International Corporation. Ambient illumination system for liquid crystal display. 3,838,909, 10-1-74, Cl. 350-160.0lc.

Fitzgibbons, William A.; Kenney, Donald M.; and Michaud, Ronald A., to International Business Machines Corporation. Vapor-solid impurity diffusion process. 3,806,382, 4-23-74, Cl. 148-188.000.

Fitzhugh, Davis. Controlled water distribution system and methods. 3,797,738, 3-19-74, Cl. 239-1.000.

Fitzi, Konrad; and Pfister, Rudolf, to Ciba-Geigy Corporation. Imidazole derivatives for treating pain, inflammation and fever. 3,784,691, 1-8-74, Cl. 424-273.000.

Fitzky, Hans-Georg: *See—*
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Staats, James E.; and Fitzmayer, Louis H., 3,855,440.

Fitzmayer, Louis H., to General Electric Company. Impedance varying device for microwave oven. 3,843,863, 10-22-74, Cl. 219-10.550.

Fitzmayer, Louis H., to General Electric Company. Microwave oven with waveguide feed. 3,845,267, 10-29-74, Cl. 219-10.500.

Fitzner, Arthur O., to Brunswick Corporation. Ignition system with advance stabilizing means. 3,805,759, 4-23-74, Cl. 123-149.00d.

Fitzpatrick, Daniel T., to Prab Conveyors, Inc. Harpoon-type conveyor. 3,799,329, 3-26-74, Cl. 198-221.000.

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Fitzpatrick, Jimmie D.: *See—*
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Fitzpatrick, William E.; and Cubitt, Robert D., to International Playtex Corporation. Nursing unit. 3,790,017, 2-5-74, Cl. 215-11.00e.

Fitzsimmons, George W., Jr.: *See—*
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Fitzsimmons, John Edward: *See—*
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Fitzsimmons, Robert. Externally adjustable tool cartridge assembly. 3,844,672, 10-29-74, Cl. 408-155.000.

Fitzsimons, Ogden; Radden, Charles O.; and Hindman, George J., to Petrocon Corporation. Process for re-refining used petroleum products. 3,791,965, 2-12-74, Cl. 208-179.000.

Fitzthum, Nathan J.: *See—*
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Postel-Vinay, Francis, 3,788,446.
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Vaillant, Christian; and Menissez, Jean-Pierre, 3,848,818.

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Retali, Roger; Chielens, Alain; and Boussekey, Bernard, 3,836,103.

Fix, Delbert D., to Eastman Kodak Company. Dye diffusion transfer elements and process. 3,820,990, 6-28-74, Cl. 96-3.000.

Fix, Sidney R., to Goodyear Tire & Rubber Company, The. Method of preparing polyurethane belts. 3,803,281, 4-9-74, Cl. 264-102.000.

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Fizette, William B.: *See—*
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Fjarlie, Robin Lent Ibsen, to Fathom Oceanology Limited. Cable transfer apparatus. 3,822,834, 7-9-74, Cl. 242-54.00r.

Fjellman, Rune Axel Erik. Compression moulding press. 3,799,720, 3-26-74, Cl. 425-157.000.

Fjellstrom, Bengt. Tube bending device. 3,785,192, 1-15-74, Cl. 72-319.000.

Flaceliere, Bernard Henri Gabriel; and Talvard, Jean-Pierre, to Logabax S.A. Printing heads for printing machines. 3,854,564, 12-17-74, Cl. 197-1.00r.

Flach, Karl-Egon: *See—*
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Flack, Max L., to Best Lock Corporation. Anti-shatter padlock shackle, and process. 3,850,014, 11-26-74, Cl. 70-53.000.

Flagg, Richard Edward. Chuck. 3,792,868, 2-19-74, Cl. 279-2.000.

Flagg, Willard A., Jr., to Ark-Les Switch Corporation. Stove warning device. 3,852,728, 12-3-74, Cl. 340-227.00r.

Flagge, Bruce, to United States of America, National Aeronautics and Space Administration. Measuring probe position recorder. 3,832,781, 9-3-74, Cl. 33-23.00r.

Flagge, Bruce. Electro-mechanical sine/cosine generator. 3,849,720, 11-19-74, Cl. 322-96.000.

Flaherty, Bernard M., to Ford Motor Company. Motor vehicle disc brake having caliper retaining means. 3,831,717, 8-27-74, Cl. 188-73.300.

Flaherty, Edward J. Flag waving unit. 3,798,816, 3-26-74, Cl. 40-218.000.

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Flaherty, James H. Green pellet sizing screen. 3,848,744, 11-19-74, Cl. 209-393.000.

Flaherty, John J.; and Strauts, Eric J., to Magnaflux Corporation. Gate circuit for non-destructive testing systems for indicating when test signals lie within predetermined limits. 3,825,820, 7-23-74, Cl. 324-37.000.

Flahive, Richard G. Electrical wiring system. 3,852,513, 12-3-74, Cl. 174-55.000.

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Flaig, Hans; Wolber, Robert; Hettich, Otto; Assmus, Friedrich; and King, Josef, to Gebruder Junghans G.m.b.H. Electric bell for alarm clocks. 3,797,013, 3-12-74, Cl. 340-396.000.

Flaig, Ulrich, to Bosch, Robert, G.m.b.H. Electronic shift command system for motor vehicle automatic transmission. 3,826,158, 7-30-74, Cl. 74-866.000.

Flair Manufacturing Corporation: *See—*
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Flais, Louis R.; and McIlroy, Robert A., to Babcock & Wilcox Company, The. System for removing sodium chloride contaminants from a magnesium base pulping process. 3,844,879, 10-29-74, Cl. 162-36.000.

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Flam, Eric, to Johnson & Johnson. Support means for the even distribution of body pressure. 3,828,378, 8-13-74, Cl. 5-345.000.

Flam, Eric. Device for aid in detecting breast cancer. 3,847,139, 11-12-74, Cl. 128-2.00h.

Flamagas, S.A.: *See—*
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Flamand, Michel; Lazayres, Robert; and Morin, Pierre, to Institut Francais du Petrole des Carburants et Lubrifiants. Device for automatically regulating the operation of a drilling turbine. 3,802,515, 4-9-74, Cl. 173-12.000.

Flambard, Christian; Lambert, Alain; and Pacreau, Michel. Apparatus for non-destructive checking of workpieces. 3,798,961, 3-26-74, Cl. 73-71.50v.

Flambard, Christian; and Lambert, Alain, to Centre Technique des industries Mecaniques. Process for non-destructive measurement of the extent to which a surface layer of a material has been affected by a superficial treatment. 3,837,218, 9-24-74, Cl. 73-6780r.

Flambeau Products Corporation: *See—*
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Flamenbaum, Joel S.; Schultz, Peter Charles; and Voorhees, Francis W., to Corning Glass Works. Method for producing high quality fused silica. 3,806,570, 4-23-74, Cl. 264-66.000.

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Flanagan, Charles D., to Texas Instruments Incorporated. Timing mechanism. 3,822,413, 7-2-74, Cl. 337-127.000.

Flanagan, James Loton; Rabiner, Lawrence Richard; and Schafer, Ronald William, to Bell Telephone Laboratories, Incorporated. Speech synthesis by concatenation of formant encoded words. 3,828,132, 8-6-74, Cl. 179-1.0sa.

Flanagan, Lindley E., Jr. Spinner lure rig. 3,808,726, 4-7-74, Cl. 43-42.130.

Flanagan, Paul Frederick: *See—*
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Flanagan, Robert L., to Mobil Auto Crushers Corporation. Engine block scrap processor. 3,802,629, 4-9-74, Cl. 241-14.000.

Flanagan, Robert M., to Amerace Esna Corporation. Resilient retainer system for pavement marker assembly. 3,809,487, 5-7-74, Cl. 404-15.000.

Flanagan, Thomas P.; and Kaye, Irving I., to National Starch and Chemical Corporation. Manufacture of perfect bound books. 3,837,994, 9-24-74, Cl. 161-100.000.

Flanders, Harry E., Jr., to Burlington Industries, Inc. Heating procedure in an false twist texturizing process. 3,824,778, 7-23-74, Cl. 57-157.0ts.

Flanders, Robert D. Adjustable self-regulating trolling device. 3,808,727, 5-7-74, Cl. 43-43.130.

Flanders, Robert D. Reusable container for bulk materials and other items. 3,809,304, 5-7-74, Cl. 229-5.700.

Flanigan, Charles Dennis, to Overly Manufacturing Company. Therapeutic exercise device. 3,790,164, 2-5-74, Cl. 272-57.00r.

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Flannelly, William G., to Kaman Aerospace Corporation. Damped gyroscopic stabilizer. 3,784,363, 1-8-74, Cl. 74-5.340.

Flannelly, William G., to Kaman Aerospace Corporation. Vibration isolator. 3,829,052, 8-13-74, Cl. 248-317.000.

Flannelly, William G., to Kaman Aerospace Corporation. Vibration isolator. 3,856,267, 12-24-74, Cl. 254-183.000.

Flannery, James E.: *See—*
Giffen, James W.; Duke, David A.; Dumbaugh, William H., Jr.; Flannery, James E.; MacDowell, John F.; and Megles, John E., 3,849,097.

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Haas, Warner E. L.; Adams, James E., Jr.; and Flannery, John B., Jr., 3,842,275.
Haas, Werner E. L.; Flannery, John B., Jr.; Mechlowitz, Bela; and Adams, James E., 3,816,113.

Flannigan, William Tait, to Imperial Chemical Industries Limited. Foamable plastisol composition containing a foam stabilizer and foamed composition obtained therefrom. 3,790,510, 2-5-74, Cl. 260-2.50p.

Flarity, Frank O'Dell; and Eustace, Waymon Rhea, to Christensen Diamond Products Company. Drill bit and stabilizer combination. 3,825,083, 7-23-74, Cl. 175-394.000.

Flasch, John Robert: *See—*
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Lerner, Robert Wendell; Hayati, Hossein; and Flasch, John Robert, 3,817,905.

Flasch, John Robert, to Stauffer Chemical Company. Preparation of high temperature shell molds. 3,854,961, 12-17-74, Cl. 106-38.300.

Flaschar, Heinz: *See—*
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Flasche, Gunter; and Tretner, Werner, to Bosch, Robert, Fernsehanlagen GmbH. Method for the manufacture of photoelectron multipliers. 3,853,374, 12-10-74, Cl. 316-19.000.

Flash Technology Corporation of America: *See—*
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Flashbacks, Inc.: *See—*
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Flasza, Michael D.; and Osuch, Leonard. Kiln heating control system. 3,855,452, 12-17-74, Cl. 219-486.000.

Flat-Back Corporation: *See—*
Light, Richard U., 3,856,349.

Flater, Anders Harold. Adaptors for taps or faucets. 3,796,378, 3-12-74, Cl. 239-447.000.

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Gregory, R. Kirk; and Flathau, Robert J., 3,843,084.

Flautt, Martin C.; Moran, Leland G.; and McCombs, Frank P., to Owens-Corning Fiberglas Corporation. Glass fiber treating composition comprising microcrystalline nylon. 3,840,426, 10-8-74, Cl. 161-144.000.

Flavell, Evan R. Proportioned resistance exercise servo system. 3,848,467, 11-19-74, Cl. 73-379.000.

Flavell, John; and Jeffcoat, Keith, to Courtaulds Limited. Knitting machines. 3,839,884, 10-8-74, Cl. 66-64.000.

Flavell, John; Jeffcoat, Keith; and Betts, Max William, to Courtaulds Limited. Knitting machines. 3,842,623, 10-22-74, Cl. 66-64.000.

Flavor Pict, Inc.: *See—*
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Flawn, Richard Edwin; Nearn, Malcolm Richard; and Petter, Peter John, to Lever Brothers Company. Hair control compositions and method of use. 3,800,033, 3-26-74, Cl. 424-47.000.

Flax, Valar, to Continentalplastic AG. Apparatus for bonding a thermoplastic tubular part to the periphery of a thermoplastic tube head. 3,824,145, 7-16-74, Cl. 156-580.000.

Flax, William E. Three-dimensional decorative item. 3,829,998, 8-20-74, Cl. 40-124.100.

Flay, Roy B., to Chevron Research Company. Process for preparing polyolefin substituted amines. 3,852,258, 12-3-74, Cl. 260-93.700.

Fleagle, Joseph E., to Wagner Electric Corporation. Wheel slip control system for automotive vehicles and the like. 3,827,760, 8-6-74, Cl. 303-21.00p.

Fleagle, Joseph E., to Wagner Electric Corporation. Wheel slip control system for automotive vehicles and the like. 3,833,268, 9-3-74, Cl. 303-21.0be.

Fleagle, Joseph E. Wheel speed signal processing circuit for wheel slip control systems. 3,840,816, 10-8-74, Cl. 328-115.000.

Fleagle, Joseph E., to Wagner Electric Corporation. Signal processing circuit for wheel slip control systems. 3,842,355, 10-15-74, Cl. 328-114.000.

Flebu, Rolf Johan. Valve arrangement for introducing back wash air in filters for air or gas cleaning. 3,850,200, 11-26-74, Cl. 137-625.500.

Fleck, Adolf: *See*—
Nagel, Erich; Goetze, Christian; Fleck, Adolf; and Dreher, Karl, 3,802,646.
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Fleck, Fritz: *See*—
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Basel, Horst Aebli; Fleck, Fritz; Littlewood, Peter Stuart; and Mercer, Alec Victor, 3,849,406.

Fleck, Fritz; Kittl, Hans; and Schmid, Horst, to Sandoz Ltd. Bis-aroxazolyl-para-polyphenylenes. 3,798,231, 3-19-74, Cl. 260-307.00d.

Fleck, Jacques, to Krebs & Cie. Electrolyzer comprising diaphragmless cell spaces flowed through by the electrolyte. 3,785,951, 1-15-74, Cl. 204-268.000.

Fleck, Lawrence L.; and Hickling, Robert, to General Motors Corporation. Occupant restraint system. 3,784,225, 1-8-74, Cl. 280-150.0ab.

Fleenor, Richard P.; and Dwyre, Charles M. Tire inflator device. 3,830,249, 8-20-74, Cl. 137-224.000.

Fleenor, Warren O. Cargo handling mechanism. 3,794,193, 2-26-74, Cl. 214-75.00g.

Fleer, Otto; and Grill, Hubert, to Siemens Aktiengesellschaft. Device for operating dental drilling machines. 3,844,039, 10-29-74, Cl. 32-22.000.

Fleer, Thomas P.: *See*—
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Fleet Electronics Limited: *See*—
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Mansfield, John William Brian, 3,836,900.

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Flegel, David D., to Reliance Time Controls, Inc. Temperature controller. 3,810,064, 5-7-74, Cl. 337-304.000.

Flegel, George J.; and Scheuer, Nicholas G., to Josam Manufacturing Co. Lavatory carrier bracket and support. 3,810,597, 5-14-74, Cl. 248-214.000.

Flegel, Michael W. Bicycle cart connector. 3,843,164, 10-22-74, Cl. 280-492.000.

Fleigle, Donald Earl, to Black and Decker Manufacturing Company, The. Air tool muffler. 3,823,795, 7-16-74, Cl. 181-36.00a.

Fleisch, William F.; and Pousche, Walter. Easy-to-assemble structure. 3,845,988, 11-5-74, Cl. 297-440.000.

Fleischaker, Richard J. Quick change sliding sinker. 3,800,459, 4-2-74, Cl. 43-44.900.

Fleischer, Allan A.; Hendry, George O.; and Wells, Dale K., to United States of America, Atomic Energy Commission, mesne. System for producing high energy positively charged particles. 3,794,927, 2-26-74, Cl. 323-233.000.

Fleischer, Helen Krohn: *See*—
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Fleischer, Helmut; Schnaibel, Eberhard; and Dumann, Helmut, to Bosch, Robert, G.m.b.H. Safety arrangement for protecting against the locking of wheels in motor vehicles. 3,834,770, 9-10-74, Cl. 303-21.00p.

Fleischer, Helmut; and Schnaibel, Eberhard, to Bosch, Robert, G.m.b.H. Pressure fluid vehicle brake anti-lock system with independent right-left control. 3,840,278, 10-8-74, Cl. 303-21.0eb.

Fleischer, Henry. Sand blasting of metal surfaces at an angle of less than 45. 3,833,416, 9-3-74, Cl. 134-7.000.

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Fleischer, Kurt: *See*—
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Fleischer, Oscar; deceased (by Fleischer, Helen Krohn; executrix). Locking device for fishing rods. 3,811,215, 5-21-74, Cl. 43-18.00r.

Fleischer, Paul C., Jr.: *See*—
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Fleischer, Paul Egon; and Hilberman, Dan, to Bell Telephone Laboratories, Incorporated. Active controllable filter circuit using variable transconductance amplifier. 3,792,367, 2-12-74, Cl. 330-98.000.

Fleischer, Robert L.; and Price, Paul B., to General Electric Company. Process for making cylindrical holes in a sheet material. 3,802,972, 4-9-74, Cl. 156-7.000.

Fleischer, Robert L.; and Price, Paul B., to General Electric Company. Etchable copolymer body. 3,811,999, 5-21-74, Cl. 161-109.000.

Fleischer, Robert L., to General Electric Company. Detection and measurement of radiation damage by polarized light. 3,855,477, 12-17-74, Cl. 250-473.000.

Fleischfresser, Barry Edwin: *See*—
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Fleischfresser, Gerald H., to GTE Automatic Electric Laboratories Incorporated. Method and arrangement for entering non-synchronous information into two machines which run synchronously. 3,805,240, 4-16-74, Cl. 340-147.540.

Fleischfresser, Gerald H.; and Mila, Truman R., to GTE Automatic Electric Laboratories, Incorporated. Arrangement for protecting a common highway in a common control communication switching system. 3,812,299, 5-21-74, Cl. 179-18.0ah.

Fleischhacker, Joseph F.; and Hruby, Thomas W., to Tescom Corporation. Pressure regulator assembly. 3,812,877, 5-28-74; Cl. 137-505.420.

Fleischhacker, Joseph F.; and Wallace, Lindsay A., to Tescom Corporation. Liquid manometer. 3,818,766, 6-25-74, Cl. 73-406.000.

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Fleischman, Andor A., to Bell & Howell Company. Optical relay system. 3,799,656, 3-26-74, Cl. 350-222.000.

Fleischman, George L.: *See*—
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Fleischmann, Erwin; and Watzlawek, Karlheinz, to Lohmann & Stolterfoht Aktiengesellschaft. Elastic shaft clutch. 3,791,497, 2-12-74, Cl. 192-30.00v.

Fleischmann, Lewis W., to Westinghouse Electric Corporation. Flow control apparatus. 3,788,310, 1-29-74, Cl. 128-142.000.

Fleischmann, Lewis W. BOD measuring apparatus. 3,810,738, 5-14-74, Cl. 23-230.00r.

Fleischmann, Martin; King, Christopher John Hall; Oldfield, John Wilfred; Plimley, Raymond Ernest; and Tennakoon, Charles Lionel Kasturiratne, to National Research Development Corporation. Electrochemical cells. 3,856,652, 12-24-74, Cl. 204-268.000.

Fleisher, Henry. Apparatus for preparing a painted metal surface for repainting. 3,791,078, 2-12-74, Cl. 51-5.000.

Fleishman, Seymour. Disposable tongs. 3,841,684, 10-15-74, Cl. 294-1.00r.

Fleishman, Seymour. Disposable tongs. 3,848,906, 11-19-74, Cl. 294-1.00r.

Fleissner GmbH: *See*—
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Fleissner, Hans, to Vepa AG. Device for cutting endless material, for example for the production of staples from synthetic fibers. 3,831,473, 8-27-74, Cl. 83-100.000.

Fleissner, Heinz, to Vepa AG. Process for the treatment of material lengths. 3,783,526, 1-8-74, Cl. 34-12.000.

Fleissner, Heinz, to Vepa AG. Process for the continuous shinkage of random webs. 3,795,031, 3-5-74, Cl. 26-18.500.

Fleissner, Heinz, to Vepa AG. Device for crimping groups of synthetic filaments. 3,800,373, 4-2-74, Cl. 28-1.600.

Fleissner, Heinz, to Vepa AG. Process for the continuous treatment of thick, voluminous textile materials. 3,804,590, 4-16-74, Cl. 8-149.100.

Fleissner, Heinz, to Vepa AG. Apparatus for the heat treatment of cables laid in folds. 3,805,407, 4-23-74, Cl. 34-122.000.

Fleissner, Heinz, to Vepa AG. Steamer, more particularly loop steamer. 3,805,560, 4-23-74, Cl. 68-5.00d.

Fleissner, Heinz, to Vepa AG. Apparatus for the continuous treatment of natural and synthetic fibers with a solvent. 3,808,846, 5-7-74, Cl. 68-19.100.

Fleissner, Heinz, to Vepa AG. Apparatus for continuous bonding of felt materials by sequential heating and cooling operations. 3,811,988, 5-21-74, Cl. 156-498.000.

Fleissner, Heinz, to Vepa AG. Process and apparatus for the treatment of material lengths. 3,818,607, 6-25-74, Cl. 34-115.000.

Fleissner, Heinz, to Vepa AG. Device for the treatment of lengths of textile material. 3,824,814, 7-23-74, Cl. 68-18.00r.

Fleissner, Heinz, to Vepa AG. Godet for use in drawing apparatus and drum dryer units. 3,831,666, 8-27-74, Cl. 165-89.000.

Fleissner, Heinz, to Vepa AG. Process for the continuous treatment of textile materials. 3,835,490, 9-17-74, Cl. 8-149.100.

Fleissner, Heinz; and Wilhelm, Ernst, to Vepa AG. Apparatus for the continuous treatment, particularly dyeing, of fibrous material. 3,835,671, 9-17-74, Cl. 68-5.00d.

Fleissner, Heinz; and Von der Eltz, Hans-Ulrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning and Fleissner GmbH. Process and apparatus for fixing synthetic fibrous materials and dyestuffs. 3,837,796, 9-24-74, Cl. 8-21.00r.

Fleissner, Heinz, to Vepa AG. Process for the continuous steaming of man-made fibers. 3,838,968, 10-1-74, Cl. 8-149.300.

Fleissner, Heinz, to Vepa AG. Method and apparatus for the transfer of a wet-laid nonwoven textile wet from a perforated conveyor surface to a seive drum surface. 3,839,146, 10-1-74, Cl. 162-207.000.

Fleissner, Heinz, to Vepa AG. Process and apparatus for the production of continuous random webs. 3,841,933, 10-15-74, Cl. 156-148.000.

Fleissner, Heinz, to Vepa AG. Method for the continuous high-grade finishing of textile materials. 3,853,604, 12-10-74, Cl. 117-119.800.

Fleissner, Manfred: *See*—
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Fleming, Ancel H. Proportional fluid distribution assembly for back hoe having reciprocating teeth. 3,828,951, 8-13-74, Cl. 214-138.00r.

Fleming, Charles L.; and Wege, Milton E., to Koehring Company. Speed responsive governor operated system for pump control. 3,792,791, 2-19-74, Cl. 214-762.000.

Fleming, Donald A.; Garmon, Lee F., Jr.; and Simpson, Melvin L., to Victor Comptometer Corporation. Gun with safety member mounted therein. 3,839,999, 10-8-74, Cl. 124-14.000.

Fleming, Donald Kingsley; Randhava, Sarabjit Singh; and Camara, Elias Humberto, to Institute of Gas Technology. Methanation of carbon monoxide and carbon dioxide. 3,787,468, 1-22-74, Cl. 260-449.00m.

Fleming, George Latto; and Martin, Richard John, to Ciba-Geigy AG. Curing epoxide resin with boran trichloride-amine complex. 3,784,647, 1-8-74, Cl. 260-830.0tw.

Fleming, George Latto; and Martin, Richard John, to Ciba-Geigy AG. Curable epoxide resin compositions containing boron-trichloride tertiary amine complexes. 3,793,247, 2-19-74, Cl. 260-47.0ea.

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Fleming, Howard B. Brackets attachable to an outside bridge girder. 3,825,217, 7-23-74, Cl. 248-205.00r.

Fleming, Howard B. Offshore moorings. 3,838,657, 10-1-74, Cl. 114-230.000.

Fleming, James Evans, to Air Land Systems Company. Method and apparatus for effecting jump hunting in step-by-step telephone switching systems. 3,826,874, 7-30-74, Cl. 179-18.0ha.

Fleming, Jerry A. Litter pickup vehicle. 3,802,022, 4-9-74, Cl. 15-84.000.

Fleming, Joseph W., to Koppers Company, Inc. Desulfurization of flue gases. 3,795,732, 3-5-74, Cl. 423-242.000.

Fleming, Myron T., to Thermal Exchange Systems, Inc. apparatus for treating materials. 3,810,315, 5-14-74, Cl. 34-160.000.

Fleming, Ora Ray, to Teledyne, Inc. Electrical relay. 3,792,388, 2-12-74, Cl. 335-135.000.

Fleming, Paul L., to International Business Machines Corporation. Bulk effect semiconductor oscillator including resonant low frequency input circuit. 3,846,717, 11-5-74, Cl. 332-52.000.

Fleming, Robert D. Method for printing an identifying legend on a panoramic dental X-ray film. 3,846,634, 11-5-74, Cl. 250-476.000.

Fleming, Robert W.: *See*—
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Fleming, Robert W.; and De Witt Sill, Arthur, to Richardson-Merrell Inc. Bis-basic ketones of phenoxathiins and antiviral compositions thereof. 3,808,206, 4-30-74, Cl. 260-246.00b.

Fleming, Robert W.; and Boothroy, George. Gas actuated dehorning tool. 3,828,431, 8-13-74, Cl. 30-228.000.

Fleming, Robert W.; and Carr, Albert A., to Richardson-Merrell Inc. Antiviral compositions containing bis-basic ethers and thioethers of xanthene and xanthen-9-ones and methods of treating viruses therewith. 3,828,578, 8-13-74, Cl. 424-283.000.

Fleming, Robert W.; and Carr, Albert A., to Richardson-Merrell Inc. Antiviral compositions containing bis-basic ethers and thioethers of xanthene and xanthen-9-ones and methods of treating viruses therewith. 3,829,578, 8-13-74, Cl. 424-283.000.

Fleming, Robert W.; and Sill, Arthur D., to Richardson-Merrell Inc. Bis-basic ketones of thioxanthene. 3,856,789, 12-24-74, Cl. 260-246.00b.

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Flemings, Merton C.; Mehrabian, Robert; and Geiger, Dale R., to Massachusetts Institute of Technology. Methods of refining metal alloys. 3,840,364, 10-8-74, Cl. 75-63.000.

Flemming, George E.; and Bassin, Edward I. Curling broom. 3,806,981, 4-30-74, Cl. 15-160.000.

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Flesch, Keith E., to Eckrich, Peter & Sons, Inc. Slice receiving platter for slicing apparatus. 3,848,491, 11-19-74, Cl. 83-77.000.

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Fletcher, James C.; and Johnston, William V. Heat flow calorimeter. 3,813,937, 6-4-74, Cl. 73-190.00r.

Fletcher, James Robert, to Fletcher, J. H., & Co. Mining apparatus. 3,830,456, 8-20-74, Cl. 248-354.00h.

Fletcher, Kenneth L.; and Haward, Robert N., to Shell Oil Company. Olefin polymerization. 3,801,558, 4-2-74, Cl. 260-88.20r.

Fletcher, Kenneth S., III, to Foxboro Company, The. Ion-responsive electrode construction. 3,855,098, 12-17-74, Cl. 204-195.00g.

Fletcher, Kenneth S., III, to Foxboro Company, The. Concentration measurements utilizing coulometric generation of reagents. 3,856,633, 12-24-74, Cl. 204-1.00t.

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Fletcher, Peter S. Reclining chair with movable headrest. 3,847,430, 11-12-74, Cl. 297-61.000.

Fletcher, Ralph A.; and Oliver, Joseph R., to Fletcher, H. E., Co. Apparatus for cutting rough-surfaced stone bodies. 3,809,049, 5-7-74, Cl. 125-23.00c.

Fletcher, Robert H., Jr.; and Burlage, Donald W., to United States of America, Army. Digital MTI canceller apparatus using initialization. 3,852,742, 12-3-74, Cl. 343-7.700.

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Fletcher, Thomas Sydney, to Fletcher Brothers (Castings) Limited. Mounting device for furniture. 3,813,069, 5-28-74, Cl. 248-188.100.

Fletcher, Wade D., to Sonoco Products Company. Deckle grinder. 3,854,249, 12-17-74, Cl. 51-75.000.

Fletcher-Terry Company, The: *See*—
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Fleury, Camille G. Pitcher for dispensing liquids contained in bags. 3,799,400, 3-26-74, Cl. 222-83.500.

Fleury, Jacques, to Societe Anonyme Automobiles Citroen. Servovalve responsive to small control pressure. 3,802,453, 4-9-74, Cl. 137-85.000.

Fleury, Jean E.: *See*—
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Fleury, Richard L.; and Etes, Donald E. (said Etes, assor. to), 3,797,734.

Fleury, Richard L.; and Etes, Donald E., said Etes, assor. to Fleury, Richard L. Disposable bags. 3,797,734, 3-19-74, Cl. 229-62.500.

Flex-E-Thane, Inc.: *See*—
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Flex-O-Glass, Inc.: *See—*
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Flichman, Howard John: *See—*
Boggs, Luther Miles; Flichman, Howard John; and Hudson, James Alphus, Jr., 3,827,287.
Flick, Joseph J., 1/2 to Burns, Oliver W. Hand operated wire binder. 3,800,836, 4-2-74, Cl. 140-93.200.
Flick, Kurt; and Frankus, Ernst, to Chemie Grunenthal G.m.b.H. Analgesic and antitussive compositions and methods. 3,830,934, 8-20-74, Cl. 424-330.000.
Flicker, Bernard; Burridge, Robert E.; and Low, Frank H., to Contourpedic Corporation. Apparatus and process for forming contoured impressions of the human body. 3,830,896, 8-20-74, Cl. 264-45.000.
Flider, Frank S., to Justrite Manufacturing Company, The. Plastic safety container for inflammables. 3,794,235, 2-26-74, Cl. 222-471.000.
Flider, Frank S., to Justrite Manufacturing Company, The. Safety container for inflammable fluids. 3,811,605, 5-21-74, Cl. 222-472.000.
Flider, Frank S., to Justrite Manufacturing Company. Plastic safety can for containing fires burning inflammable fluid inside the can. 3,851,791, 12-3-74, Cl. 220-89.00b.
Fliesser, Engelbert, to Agfa-Gevaert Aktiengesellschaft. Intermittent for cinematographic apparatus. 3,791,566, 2-12-74, Cl. 226-68.000.
Fliesser, Engelbert; Pustka, Karel; and Wagensonner, Eduard, to Agfa-Gevaert Aktiengesellschaft. Illumination control arrangement for photographic cameras. 3,805,279, 4-16-74, Cl. 354-43.000.
Fliesser, Engelbert; Pustka, Karel; and Wagensonner, Eduard, to Agfa-Gevaert Aktiengesellschaft. Illumination control arrangement for photographic camera. 3,824,605, 7-16-74, Cl. 354-42.000.
Flight Systems, Inc.: *See—*
York, Robert A., 3,851,218.
Flinchbaugh, Donald E.: *See—*
Zifferer, Morton F.; and Flinchbaugh, Donald E., 3,789,479.
Flinchbaugh, Donald E., to ExCel Engineering, Incorporated. Apparatus and method for radio frequency sterilization of cigars. 3,820,549, 6-28-74, Cl. 131-121.000.
Flinchbaugh, Henry K., to Flinchbaugh/Murray Corporation. Transport mechanism for stairway elevator. 3,833,092, 9-3-74, Cl. 187-12.000.
Flinchbaugh/Murray Corporation: *See—*
Flinchbaugh, Henry K., 3,833,092.
Flinchum, John A.: *See—*
Scott, Robert C.; and Flinchum, John A., 3,804,353.
Fling, Kenneth F.: *See—*
Warren Fred E., Jr.; Fling, Kenneth F.; and Moore, Gary R., 3,826,437.
Fling, Thomas A.; and Fling, William F. Liquid level measuring device. 3,793,884, 2-26-74, Cl. 73-315.000.
Fling, William F.: *See—*
Fling, Thomas A.; and Fling, William F., 3,793,884.
Flinn & Dreffein Engineering Company: *See—*
Balaz, Joseph K., 3,782,304.
Balaz, Joseph K.; Kelly, Richard A.; and Schulze, Wolfgang, 3,832,815.
Gamble, Slade B.; and Kelly, Richard A., 3,791,796.
Flinn, James E.: *See—*
Fanger, Gene O.; Flinn, James E.; Hollingsworth, Ralph G.; and Nack, Herman, 3,843,557.
Flinn, William S.: *See—*
Bevilacqua, Frank; Dietrich, Joseph R.; Groves, Malcolm D.; and Flinn, William S., 3,843,471.
Bevilacqua, Frank; Flinn, William S.; and Groves, Malcolm D., 3,844,884.
Flinner, Vaughn D.: *See—*
Fulton, Howard A.; Flinner, Vaughn D.; Sprang, Richard W.; and Zody, Dana D., 3,801,991.
Flinner, Vaughn D.; Sprang, Richard W.; Zody, Dana D.; and Fulton, Howard A., to Mansfield Sanitary Inc. Portable, self-contained toilet. 3,851,339, 12-3-74, Cl. 4-115.000.
Flint, George Norman; Evans, Thomas Ernest; and Hart, Anthony Christopher, to International Nickel Company, Inc., The. Corrosion-resistant nickel-iron alloy. 3,813,239, 5-28-74, Cl. 75-122.000.
Flint, Hans Gerhard: *See—*
Neitzel, Ulrich E. G.; Flint, Hans Gerhard; and Lukes, Jerome A., 3,852,044.
Flint, John Christopher Eglington, to Dowty Hydraulic Units Limited. Positive-displacement liquid-pressure machines and pressure-balanced journal/thrust bushes therefor. 3,833,319, 9-3-74, Cl. 418-132.000.
Flint, Ronald Derek, to Lucas, Joseph, (Industries), Limited. Apparatus for removing burr from the ends of pinion teeth. 3,802,314, 4-9-74, Cl. 90-1.400.
Flint, Theodore R. Epoxy tape. 3,837,981, 9-24-74, Cl. 161-36.000.
Flint, Walker H.; and Haedicke, Gerald R., to Caterpillar Tractor Company. Vehicle step mounting arrangement. 3,854,752, 12-17-74, Cl. 280-166.000.
Flintkote Company, The: *See—*
Califano, Frank L.; and Laszlo, Joseph, 3,788,925.
Califano, Frank L.; Shutak, Paul N.; and Dalik, Herbert A., 3,803,017.
Califano, Frank L.; Stepien, George, Jr.; and Russell, Thomas E., 3,831,382.
Lewis, Clifford Jackson; and Bruski, Richard Scott, 3,809,547.
Wendlandt, Ronald A.; Flood, David N.; and Donnelly, Eugene I., 3,802,386.
Flip-On Packaging Inc.: *See—*
Mare, Peter D.; and Ross, Albert L., 3,850,777.
Flipot, Alfred-Jean; Papeleux, Paul; and LaFontaine, Ivan, to Belgonucleaire; and Centre d'E. Nuclear fuel rods having end plugs with bores there through sealed by frangible membranes. 3,836,431, 9-17-74, Cl. 176-79.000.
Flippen, George B., Jr.: *See—*
Childress, Lloyd K., Jr.; Flippen, George B., Jr.; and McDaniels, Louis M., 3,832,734.
Flippen, George Burdine, Jr.; and Ward, John Wesley, Jr., to International Business Machines Corporation. Data web guiding apparatus. 3,831,831, 8-27-74, Cl. 226-198.000.
Flippen, Richard B., to Du Pont de Nemours, E. I., and Company. Ferroelastic crystals switched by motion of a domain wall having a zigzag configuration. 3,799,648, 3-26-74, Cl. 350-150.000.
Flippen, Richard B.; and Hogan, Edward M., to Du Pont de Nemours, E. I., and Company. Electromechanical transducers using coupled ferroelectric-ferroelastic crystals. 3,851,192, 11-26-74, Cl. 310-8.000.
Flippo, Edward J., Jr.: *See—*
Waldbauer, Henry L., Jr.; Jones, Wylie T.; and Flippo, Edward J., Jr., 3,833,030.
Fliri, Hans: *See—*
Bretschneider, Hermann; Fliri, Hans; and Klotzer, Wilhelm, 3,850,912.
Flis, Albert J. Easily replaceable EDM electrode. 3,816,691, 6-11-74, Cl. 219-69.00e.
Flis, Richard J.: *See—*
Gamble, John G.; and Flis, Richard J., 3,786,272.
Flitner, David P.; La Haye, Paul G.; and Neugebauer, Franz J., to General Electric Company. Air cooled vapor condenser module. 3,800,861, 4-2-74, Cl. 165-111.000.
Floating Poing Systems, Inc.: *See—*
Bouton, Frank M., Jr.; and Prints, Thomas R., 3,829,673.
Flockenhaus, Claus; Simonis, Wolfgang; Beck, Kurt-Gunther; and Echterhoff, Heinrich, to Didier-Kellogg Industrieanlagenbau GmbH. Recuperative coke oven. 3,849,258, 11-19-74, Cl. 202-140.000.
Flodell, Bertil G. Vehicle propulsion, track and switch system. 3,807,312, 4-30-74, Cl. 104-147.00r.
Flodell, Bertil G. Device for supplying an object propelled along a rail or the like with electrical current. 3,848,712, 11-19-74, Cl. 191-30.000.
Floden, Bjorn Fritjof: *See—*
Livingston, Daniel K.; Floden, Bjorn Fritjof; Wright, Harry Gilbert; and Tsien, Wei Hwa, 3,845,916.
Floden, John G., to Kimberly-Clark Corporation. Autogenously bonded composite web. 3,837,995, 9-24-74, Cl. 161-150.000.
Floessel, Carl Dieter; Floessel, Klaus; and Eidinger, Adolf, to BBC Brown Boveri & Company Limited. Compressed-gas insulated high-voltage conductor assembly composed of a series of rigid rectilinear sections with intermediate flexible connecting sections. ,823,249, 7-9-74, Cl. 174-21.00c.
Floessel, Carl Dieter; and Floessel, Klaus, to BBC Brown Boveri & Company Limited. Expansion joint for tubular insulating gas-filled enclosure for high-voltage conductor. 3,827,731, 8-6-74, Cl. 285-187.000.
Floessel, Dieter, to Brown, Boveri & Company, Limited. Insulation gas filled encapsulated high voltage electrical conductor. 3,786,169, 1-15-74, Cl. 174-28.000.
Floessel, Dieter, to Brown, Boveri & Company, Limited. Insulation gas filled encapsulated high voltage electrical conductor. 3,786,170, 1-15-74, Cl. 174-28.000.

Floessel, Dieter, to Brown, Boveri & Company, Limited. Insulation gas filled encapsulated high voltage electrical conductor. 3,786,174, 1-15-74, Cl. 174-28.000.
Floessel, Dieter; and Mauthe, Gerhard, to Brown, Boveri & Company, Limited. Electrical insulator of porous expanded plastics material. 3,790,695, 2-5-74, Cl. 174-28.000.
Floessel, Klaus: *See—*
Floessel, Carl Dieter; Floessel, Klaus; and Eidinger, Adolf, 3,823,249.
Floessel, Carl Dieter; and Floessel, Klaus, 3,827,731.
Floetotto, Reinhard-Heinrich. Building unit for furniture. 3,846,002, 11-5-74, Cl. 312-107.000.
Flogaus, William S.; Graves, Howard T.; Orlando, Harold J.; and Van Der Laske, Dennis P., to United States of America, Army. Miniature infrared short range thermal imager (MISTI). 3,812,357, 5-21-74, Cl. 250-332.000.
Flogaus, William S.; and Masutani, Mitsumasa, to United States of America, Army. Method and apparatus for defocus compensation of a convergent beam scanner. 3,846,007, 11-5-74, Cl. 350-6.000.
Flohr, Henry. Snowmobile ski system. 3,844,367, 10-29-74, Cl. 180-5.00r.
Flohr, Ira Karl. Safety cable and band. 3,813,733, 6-4-74, Cl. 24-81.00a.
Flood Control Valve Company: *See—*
DeLancey, Warren H.; and Weisman, Donald, 3,782,860.
Delancey, Warren H.; and Weisman, Donald, 3,807,900.
Flood, David N.: *See—*
Wendlandt, Ronald A.; Flood, David N.; and Donnelly, Eugene I., 3,802,386.
Flood, Hakon; and Seltveit, Arne, to Elkem A/S. Method of producing refractory material. 3,788,866, 1-29-74, Cl. 106-69.000.
Flood, Hakon; and Seltveit, Arne, to Elkem A/S. Method of treating silicon dioxide dust. 3,832,434, 8-27-74, Cl. 264-117.000.
Flood, Harold W.; Hall, George H.; and Meissner, Herman P., to Little, Arthur D., Inc. Apparatus for monitoring the oxygen content of a molten metal. 3,793,155, 2-19-74, Cl. 204-195.00s.
Flood, James H.: *See—*
Adams, Gerald E.; Borton, Robert O.; Dabrowski, Alfred J., Jr.; Falkenau, Vernon A.; and Flood, James H., 3,832,974.
Flood, Rodney L.: *See—*
Carlson, Jon R.; Banks, William P.; and Flood, Rodney L., 3,830,776.
Floquet-Monopole: *See—*
Delmontremy, Jean Waldruche, 3,805,352.
Flor, Lawrence A.; and Hoyne, Earl K., to Minnesota Mining and Manufacturing Company. Duplicating machine to convert microfilm to microfiche. 3,794,419, 2-26-74, Cl. 355-91.000.
Florek, Florian F. Hay hook and twine cutter. 3,856,341, 12-24-74, Cl. 294-24.000.
Floren, Carl E.: *See—*
Sands, Robert E.; and Floren, Carl E., 3,844,585.
Florence, Dennis E.; Winders, Frank R., Jr.; and Wontrobski, Charles E., to Chrysler Corporation. Time delay headlamp control system. 3,798,500, 3-19-74, Cl. 315-82.000.
Florence, Dennis E.; Winders, Frank R., Jr.; and Wontrobski, Charles E., to Chrysler Corporation. Discriminating signal warning and selectively operable time delay control system for lighting circuit. 3,810,089, 5-7-74, Cl. 340-52.00d.
Florence, Jack M.; and Smith, William E., to Owens-Illinois, Inc. Aluminum metaphosphate source body for doping silicon. 3,841,927, 10-15-74, Cl. 148-189.000.
Florens, Raymond Leopold; and Vandenabeele, Hubert, to AGFA-Gevaert N.V. High temperature processing of photographic elements. 3,843,364, 10-22-74, Cl. 96-50.00r.
Florent, Brigliano; Ernest, Vogt; and Edmond, Marmound, to PR Societe de Revision, Traitement de l'Information et Recouvrement SA. Wrist watch with a dial-illuminating device. 3,783,604, 1-8-74, Cl. 58-50.00r.
Florent, Jean: *See—*
Mancy, Denise; Florent, Jean; and Preud'Homme, Jean, 3,822,350.
Mancy, Denise; Florent, Jean; and Lunel, Jean, 3,857,937.
Flores, Edward: *See—*
Flores, Edward; and Holmes, Thomas W., 3,847,311.
Flores, Edward; and Holmes, Thomas W., 15% each to Flores, Edward and Holmes, Thomas W. Pivoted closure for a beverage cup. 3,847,311, 11-12-74, Cl. 222-473.000.
Flores, Jose A.: *See—*
Lent, William E.; and Flores, Jose A., 3,829,403.
Florian, Berkeley J. Double headed hammer. 3,796,244, 3-12-74, Cl. 145-29.00d.
Florian, Berkeley J. Rotary shear with pickup finger and pressure release. 3,815,230, 6-11-74, Cl. 30-178.000.
Florian, Eugene F., to Mark Products, Inc. Electrical connector. 3,832,674, 8-27-74, Cl. 339-60.00r.
Florian, John, to Mobil Oil Corporation. Garment shaper. 3,847,314, 11-12-74, Cl. 223-98.000.
Florian, Raymond J. Golf putter head. 3,843,122, 10-22-74, Cl. 273-81.00a.
Florian, Sandor: *See—*
Annus, Imre; Cser, Gyula; Florian, Sandor; Horvath, Gyorgy; and Kocsis, Ferenc, 3,796,048.
Florig, Albert J.: *See—*
Clarke, Edwin E.; and Florig, Albert J., 3,819,070.
Florig Equipment Company, Inc.: *See—*
Clarke, Edwin E.; and Florig, Albert J. (Florig assor. to), 3,819,070.
Florin, Roland E.: *See—*
Wall, Leo A.; Brown, Daniel W.; and Florin, Roland E., 3,853,828.
Floris, Telemaco: *See—*
Tesei, Renato; Girotti, Pierleone; and Floris, Telemaco, 3,798,284.
Florists' Transworld Delivery Association: *See—*
Messmer, James I., 3,848,358.
Florjancic, Dusan, to Sulzer Brothers Ltd. Method and cooling system for cooling centrifugal pumps. 3,841,786, 10-15-74, Cl. 415-114.000.
Florjancic, Peter. Device for the framing of photographic slides. 3,788,031, 1-29-74, Cl. 53-123.000.
Florjancic, Peter. Method and device for the manufacture of slide frames. 3,837,953, 9-24-74, Cl. 156-108.000.
Florus, Hans-Jorg: *See—*
Burckhardt, Manfred H.; Krohn, Hellmut; Grossner, Horst; and Florus, Hans-Jorg, 3,791,702.
Burckhardt, Manfred H.; Florus, Hans-Jorg; Grossner, Horst; Krohn, Hellmut; and Stein, Hermann, 3,802,529.
Burckhardt, Manfred H.; Krohn, Hellmut; Grossner, Horst; and Florus, Hans-Jorg, 3,802,747.
Florus, Hans-Jorg; Grossner, Horst; and Osswald, Gerhard, to Daimler-Benz Aktiengesellschaft. Device for forming and processing velocity signals in vehicles. 3,828,198, 8-6-74, Cl. 307-120.000.
Flory, John F.; Beazley, Raymond A.; and Pedersen, Kristen I., to Esso Research and Engineering Company. Multi-product swivel joint. 3,838,718, 10-1-74, Cl. 141-100.000.
Flory, Robert Earl, to RCA Corporation. Two color medium for full color TV film system. 3,812,528, 5-21-74, Cl. 358-49.000.
Flosi, Vincent F.: *See—*
Gregg, George L.; Kopala, Stanley J.; Mazzio, Anthony J.; Altieri, Anthony, Jr.; and Flosi, Vincent F., 3,806,241.
Floter, Sigismund, to Alfa-Laval AB. Dung remover. 3,799,330, 3-26-74, Cl. 198-224.000.
Flototto, Fritz. Vertically adjustable school desk with an inclined top. 3,794,397, 2-26-74, Cl. 312-231.000.
Flottorp, Thomas. Boot and shoe asemblies. 3,812,601, 5-28-74, Cl. 36-2.50c.
Flouret, George Rogelio, to Abbott Laboratories. Nonapeptide intermediate to gonadotrogin releasing hormone. 3,784,535, 1-8-74, Cl. 260-112.500.
Flouret, George Rogelio; and Cole, John Wayne, to Abbott Laboratories. Tripeptide. 3,787,386, 1-22-74, Cl. 260-112.500.
Flouret, George Rogelio; and Cole, John Wayne, to Abbott Laboratories. Octapeptide derivatives of gonadotropin-releasing hormone. 3,790,555, 2-5-74, Cl. 260-112.500.
Flouret, George Rogelio, to Abbott Laboratories. Pentapeptide. 3,796,697, 3-12-74, Cl. 260-112.500.
Flouret, George Rogelio, to Abbott Laboratories. Tetrapeptide. 3,803,117, 4-9-74, Cl. 260-112.500.
Flouret, George Rogelio, to Abbott Laboratories. Protected decapeptide derivatives of gonadotropin releasing hormone. 3,826,794, 7-30-74, Cl. 260-112.500.
Flournoy, Kenoth H.: *See—*
Cardenas, Ricardo L.; Carlin, Joseph T.; and Flournoy, Kenoth H., 3,799,264.
Carlin, Joseph T.; Flournoy, Kenoth H.; and Cardenas, Ricardo L., 3,796,266.
Flournoy, Kenoth H.; Cardenas, Ricardo L.; Haferkamp, Gilbert L.; and Shupe, Russell D., to Texaco Inc. Surfactant oil recovery process usable in formations containing water having high concentrations of polyvalent ions such as calcium and magnesium. 3,811504, 5-21-74, Cl. 166-273.000.
Flournoy, Kenoth H.; Cardenas, Ricardo L.; Haferkamp, Gilbert L.; and Shupe, Russell D., to Texaco Inc. Surfactant oil recovery process usable in formations containing water having high concentrations of polyvalent ions such as calcium and magnesium. 3,811505, 5-21-74, Cl. 166-274.000.
Flournoy, Kenoth H.; and Shupe, Russell D., to Texaco Inc. Surfactant oil recovery process usable in formations containing water having high concentration of polyvalent ions such as calcium and magnesium. 3,811,507, 5-21-74, Cl. 166-274.000.
Flournoy, Norman E.; Morris, David A.; Trippet, Raymond; and Dancy, Julian H., to Texaco Inc. Oil burner. 3,820,944, 6-28-74, Cl. 431-265.000.
Flow Pharmaceuticals, Inc.: *See—*
Krazanoski, Joseph Z.; and Petricciani, John C., 3,843,782.
Krezanoski, Joseph Z., 3,852,210.
Flow Research, Inc.: *See—*
Olsen, John H., 3,811,795.
Flower, Leonard B.: *See—*

Okuniewski, Vincent F.; and Flower, Leonard B., 3,804,258.
Flower, Robert A.; and Greenwood, Ivan A., to Singer Company, The. Laser-recticle electrophoresis instrument. 3,793,180, 2-19-74, Cl. 204-299.000.
Flower, Robert A.; Gamertsfelder, George R.; and Stavis, Gus, to Singer-General Precision, Inc. Vector velocimeter (direction indicating velocimeter). 3,838,924, 10-1-74, Cl. 356-28.000.
Flower, Thomas A.: *See—*
Manning, Don P.; and Flower, Thomas A., 3,855,453.
Flower, Thomas A.; and Rothmayer, Noel York. Rotary filament cutter. 3,793,917, 2-26-74, Cl. 83-199.000.
Flowerday, Carl W., to Maes Incorporated. Wire marker. 3,785,337, 1-15-74, Cl. 116-114.00r.
Flowerday, Peter; and Ropson, Robert, to Esso Research and Engineering Company. Lubricating compositions. 3,785,977, 1-15-74, Cl. 252-33.600.
Flowers, Dervin L., to Motorola, Inc. Semiconductor wafer stabilization process and stabilization solution therefor. 3,846,181, 11-5-74, Cl. 148-1.500.
Flowers, Dervin L., to Teledyne Semiconductor; a division of Teledyne, Inc. Passivating method. 3,850,686, 11-26-74, Cl. 117-201.000.
Flowers, I. J.: *See—*
Chang, Nuke Ming; Flowers, I. J.; and Anderson, Gordon M., 3,821,726.
Flowers, Thad T., to Spring Mills, Inc. Apparatus for removing wraps of yarn remaining on textile spindles. 3,782,094, 1-1-74, Cl. 57-34.500.
Flowers, Theodore Robert, to Scovill Manufacturing Company. Electric steam iron. 3,820,259, 6-28-74, Cl. 38-77.500.
Flowers, Theodore Robert. Steam pressing iron having self-cleaning means. 3,820,260, 6-28-74, Cl. 38-93.000.
Floyd, Alfred E.; and Erickson, Lars E., to Sargent and Company Division of Walter Kidde & Co. Latch bolt stop lever for fire door lock sets. 3,811,717, 5-21-74, Cl. 292-92.000.
Floyd, Donald W.: *See—*
Powell, Harry C., Jr.; and Floyd, Donald W., 3,849,195.
Floyd, Malcolm O., 40% to Felsman, Robert A. Sprinkler apparatus. 3,815,832, 6-11-74, Cl. 239-563.000.
Floyd, Middleton Brawner, Jr.: *See—*
Bernady, Karel Francis; Floyd, Middleton Brawner, Jr.; Poletto, John Frank; Schaub, Robert Eugene; and Weiss, Martin Joseph, 3,853,951.
Floyd, Roger M.: *See—*
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Floyd, Terry Stephen: *See—*
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Flubacker, Charles H. Actuator for vending machine. 3,814,284, 6-4-74, Cl. 221-301.000.
Fluck, Josef: *See—*
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Fluck, Josef; and Zaugg, Roland, to Schild, A., S.A. Day-date correcting device. 3,820,318, 6-28-74, Cl. 58-58.000.
Fluck, Josef; Schaller, Kurt; and Zaugg, Roland, to Schild, A., S.A. Control mechanism for watch movements. 3,848,400, 11-19-74, Cl. 58-68.000.
Fluck, Rene, to SIG Schweizerische Industrie-Gesellschaft Industrieplatz. Apparatus for producing a package for groups of flat objects. 3,797,197, 3-19-74, Cl. 53-156.000.
Fluck, Rene, to Schweizerische Industrie-Gesellschaft. Device for the grouping of disc-shaped articles, particularly biscuits. 3,820,649, 6-28-74, Cl. 198-35.000.
Flucke, Winfried: *See—*
Wollweber, Hartmund; and Flucke, Winfried, 3,818,070.
Wollweber, Hartmund; and Flucke, Winfried, 3,855,292.
Flue Cleaners, Inc.: *See—*
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Flueckiger, Noah, to Acme-Cleveland Corporation. Electric coupling control means. 3,828,901, 8-13-74, Cl. 192-12.00d.
Fluegel, Dale A., to Phillips Petroleum Company. Incremental vertical sweep system for display of information in selected horizontal bands on a CRT. 3,816,791, 6-11-74, Cl. 315-18.000.
Fluet, Francis A., to Westinghouse Electric Corporation. Apparatus for digital frequency multiplication. 3,828,169, 8-6-74, Cl. 235-150.310.
Fluharty, Gordon S.: *See—*
Phillips, Richard F.; and Fluharty, Gordon S., 3,783,534.
Fluid Controls, Inc.: *See—*
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Fluid Device Corporation: *See—*
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Stephanoff, Nicholas N., 3,802,089.
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Fluke, John, Mfg. Co., Inc.: *See—*
Ochs, Eugene V., 3,800,241.
Flukiger, Max, to Leder & Co. AG. Picker strap for underpick looms. 3,818,953, 6-25-74, Cl. 139-161.00r.
Flum, Paul, Ideaa, Inc.: *See—*
Flum, Paul L.; and Fowler, Dewalt W., 3,853,073.
Flum, Paul L.; and Fowler, Dewalt W., to Flum, Paul, Ideaa, Inc. Table-like display furniture unit and stackable modules thereof. 3,853,073, 12-10-74, Cl. 108-91.000.
Flum, Robert S., Sr.: *See—*
Daudelin, Roland G.; Flum, Robert S., Sr.; Norris, Bob; and Woolston, Lionel L., 3,853,081.
Flume Stabilization Systems, Inc.: *See—*
Pangalila, Frans V. A., 3,826,212.
Flume Stabilizations Systems, Inc.: *See—*
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Flumignan, Dennis P.; and Flanigan, William J., to Gulf & Western Industries, Inc. Rotary switch with linear plunger and helical motion transferring means. 3,819,894, 6-25-74, Cl. 200-156.000.
Flumm, Paul T.; and Harris, Vernon B., to Robertshaw Controls Company. Digital timer means and method of making the same. 3,857,234, 12-31-74, Cl. 58-21.140.
Fluor Corporation: *See—*
Bogart, Marcel J. P., 3,795,485.
Gibson, Robert G.; and Carruba, Samuel C., 3,852,969.
Robertson, Gerald L., 3,799,097.
Wrisberg, Johannes; Holte, Gammel; Andersen, Kjeld Jorn; and Mogensen, Erik, 3,839,485.
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Flynn, Charles D. Adjustable height shower unit. 3,806,963, 4-30-74, Cl. 4-145.000.
Flynn, Edward P. Building panel. 3,807,116, 4-30-74, Cl. 52-615.000.
Flynn, Errol W.; and Mutschler, Gene E. Collapsible ice shelter and sled. 3,854,746, 12-17-74, Cl. 280-12.00s.
Flynn, Francis Gerard; and Jones, Philip Harry, to Torau Company. Anti-pollution and detergent composition. 3,846,325, 11-5-74, Cl. 252-99.000.
Flynn, Jac B.; and Priese, Werner K., to Hills McCanna Company. Metering pump. 3,816,032, 6-11-74, Cl. 417-388.000.
Flynn, James P., to Philco-Ford Corporation. Air conditioner condensate disposal apparatus. 3,811,293, 5-21-74, Cl. 62-280.000.
Flynn, James P.; Lane, Georges A.; and Plomer, John J., to Dow Chemical Company, The. Nitrocellulose propellant composition containing aluminum hydride. 3,844,856, 10-29-74, Cl. 149-19.800.
Flynn, James P., to Dow Chemical Company, The. Particulate aluminum hydride with nitrocellulose coating suitable for use in solid propellants. 3,855,022, 12-17-74, Cl. 149-8.000.
Flynn, John, to Honeywell Inc. Detector array. 3,849,678, 11-19-74, Cl. 307-311.000.
Flynn, Joseph C., to Wheaton Industries. Turret lowering mechanism. 3,846,056, 11-5-74, Cl. 425-154.000.
Flynn, Joseph C.; and Panas, Walter, to Wheaton Industries. Injection-blow molding machine. 3,857,660, 12-31-74, Cl. 425-242.00b.
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Focht, John Richard, to Precision Valve Corporation. Aerosol safety cap. 3,831,804, 8-27-74, Cl. 220-60.00r.

Focht, John Richard, to Precision Valve Corporation. Childproof safety cap for a pressurized dispenser. 3,831,820, 8-27-74, Cl. 222-182.000.

Focht, John Richard, to Precision Valve Corporation. Snap-in valve. 3,845,888, 11-5-74, Cl. 222-402.240.

Fock, Jurgen; and Holtschmidt, Ulrich, to Goldschmidt, Th., AG. Method of treating a wood surface with linear heat-hardenable copolymerizate. 3,784,436, 1-8-74, Cl. 156-334.000.

Fock, Jurgen; and Holtschmidt, Ulrich, to Goldschmidt, Th., AG. Heat-hardenable carrier-free foils. 3,793,282, 2-19-74, Cl. 260-31.80m.

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Focke, Heinz; and Mutschall, Hugo, to Focke & Pfuhl. Device for lifting containers in connection with a packing machine. 3,837,504, 9-24-74, Cl. 214-6.0ba.

Focke, Heinz; and Balmer, Oskar, to Focke & Pfuhl. Device for bringing together objects being delivered in two lines. 3,850,281, 11-26-74, Cl. 198-32.000.

Focke, Heinz Hermann. Light shutter system for detecting blockages in a cigarette feeder. 3,838,663, 10-1-74, Cl. 116-114.00r.

Focke, Heinz-Hermann; and Liedtke, Kurt Willy, to Focke & Pfuhl. Apparatus for filling cartons and the like with objects, for example bottles. 3,842,571, 10-22-74, Cl. 53-186.000.

Fodali, Adolph, to S & G Tool Aid Corporation. Air tool oiler. 3,807,530, 4-30-74, Cl. 184-55.00a.

Foden, Frederick Roger; and O'Mant, Derrick Michael, to Imperial Chemical Industries Limited. Dihydrofuran derivatives. 3,818,048, 6-18-74, Cl. 260-343.600.

Foderaro, Anthony J., to Picker Corporation. Mobile X-ray unit. 3,790,805, 2-5-74, Cl. 250-522.000.

Foderaro, Anthony J., to Picker Corporation. Patient rotator and method of conducting X-ray studies. 3,848,132, 11-12-74, Cl. 250-437.000.

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Foederer, Antonius Franciscus; Franken, Andrianus Jacobus Jozef; and Van Noord, Jacobus Andrianus Johannes Maria, to U.S. Philips Corporation. Crosstable for articles. 3,783,707, 1-8-74, Cl. 74-470.000.

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Foell, Theodore J.; and Yardley, John P., to American Home Products Corporation. P-glu-D-phe-Trp-Ser-Tyr-D-Ala-Leu-Arg-Pro-Gyl-NH_2 and intermediates. 3,855,199, 12-17-74, Cl. 260-112.500.

Foellner, Donald M. Illuminated time piece. 3,855,784, 12-24-74, Cl. 58-50.00r.

Foerst, Albert K.; and Naymik, Joseph. Grease pump. 3,807,606, 4-30-74, Cl. 222-262.000.

Foerster, Hans-Joachim, to Siemens Aktiengesellschaft. Circuit arrangement for the steady temperature control. 3,831,003, 8-20-74, Cl. 219-499.000.

Foerster, Hubert; and Brauch, Ulrich, to Bosch, Robert, Fernsehanlagen GmbH. Method and apparatus for synchronizing a videosignal reproduced from a tape by means of a rotating head wheel. 3,787,615, 1-22-74, Cl. 178-6.60f.

Foerster, Rolf, to Foester, Bernhard, Firma. Wrist watch for digital indication. 3,827,231, 8-6-74, Cl. 58-5.000.

Foerstner, Richard A.; and Fritts, Rex E., to Amana Refrigeration, Inc. Magnetron moding interrupter control circuit. 3,784,781, 1-8-74, Cl. 219-10.550.

Foerstner, Richard A., to Amana Refrigeration Inc. Mechanical coupling arrangement. 3,809,486, 5-7-74, Cl. 403-374.000.

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Foex, Marc; Delmas, Robert; and Bonet, Claude, to Agence Nationale de Valorisation de la Recherche (Anvar). Methods and devices for plasma production. 3,798,408, 3-19-74, Cl. 219-121.00p.

Fogelberg, Clement V.; and Kujava, John M., to Columbine Glass Company, Inc. Method and apparatus for coating glassware. 3,827,870, 8-6-74, Cl. 65-60.000.

Fogelberg, Clement V., to Columbine Glass Company, Inc. Method and apparatus for dividing articles. 3,830,359, 8-20-74, Cl. 198-30.000.

Fogelberg, Mark J., to Borg-Warner Corporation. Differential for four-wheel drive. 3,828,877, 8-13-74, Cl. 180-44.00r.

Fogelberg, Mark J., to Borg-Warner Corporation. Planetary differential for four wheel drive with automatic locking gear. 3,838,610, 10-1-74, Cl. 74-711.000.

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Fogle, Fredric D., to Q.V.S. Inc. Overload relay. 3,838,369, 9-24-74, Cl. 335-188.000.

Foglein, Robert. Device for converting measurement for metric to imperial system and vice versa. 3,820,501, 6-28-74, Cl. 116-115.500.

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Fohl, Artur. Safety device for the protection of vehicle and airplane passengers. 3,796,441, 3-12-74, Cl. 280-150.0ab.

Fohl, Artur. Winding-up device with automatic lock for safety belt. 3,851,835, 12-3-74, Cl. 242-107.400.

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Foitl, Verena R.; and Traber, Walter, to Ciba-Geigy Corporation. N-Formyl-α-nitro-alkane carboxylic acid amides and process for the production thereof. 3,808,243, 4-30-74, Cl. 260-404.500.

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Folden, Denver C.: *See—*
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Foldes, Peter, to RCA Corporation. Adjustable polarization antenna system. 3,827,051, 7-30-74, Cl. 343-176.000.

Foldvari, Janos. Mechanically propelled water craft. 3,809,003, 5-7-74, Cl. 115-1.00r.

Foley, Charles F.; and McCarthy, Charles D. Balancing maze game. 3,844,562, 10-29-74, Cl. 273-110.000.

Foley, Charles Frederick. Rotational energy absorbing target and projectile. 3,814,428, 6-4-74, Cl. 273-95.00r.

Foley, Charles W., to General Motors Corporation. Closure latch assembly. 3,848,909, 11-19-74, Cl. 292-216.000.

Foley, Dennis J.; and Gilmore, Richard A., to Design Properties, Inc. Highway emergency communications-warning system and units. 3,832,679, 8-27-74, Cl. 340-22.000.

Foley, Edward M.; and Polk, Robert F., to Cabot Corporation. Wear-resistant powder metallurgy nickel-base alloy. 3,838,981, 10-1-74, Cl. 29-182.000.

Foley, Edward M.; Dreyer, Dennis G.; and Rogers, Herbert E., Jr., to Cabot Corporation. Powder metallurgy production of high performance alloys. 3,846,126, 11-5-74, Cl. 75-211.000.

Foley, James P. Telephone index devices. 3,792,544, 2-19-74, Cl. 40-336.000.

Foley, John J. Print control system for high speed printers. 3,855,923, 12-24-74, Cl. 101-93.290.

Foley, John T., to Witco Chemical Corporation. Water-soluble salts of imidazolines with phosphoric acid esters of (A) ethoxylated long chain alcohols and (B) ethoxylated alkyl phenols. 3,819,647, 6-25-74, Cl. 260-309.600.

Foley, Kevin M., to Owens-Corning Fiberglas Corporation. Method of preparing organooxy silanes. 3,806,549, 4-23-74, Cl. 260-448.80r.

Foley, Kevin M.; Mc Combs, Frank P.; and Vigo, Francesco M., to Owens-Corning Fiberglas Corporation. Tertiary condensation product of phenol, formaldehyde and a silane. 3,839,236, 10-1-74, Cl. 260-2.00s.

Foley, Lary L., to Clorox Company, The. Automatic dispensing apparatus. 3,831,205, 8-27-74, Cl. 4-228.000.

Foley, Thomas P.: *See—*
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Folgero, Kare; and Hellsing, Sven, to Allmanna Svenska Elektriska Aktiebolaget. Channel-type induction furnace. 3,792,185, 2-12-74, Cl. 13-29.000.

Folgero, Kare; and Fredrikson, Bengt, to Allmanna Svenska Elektriska Aktiebolaget. Means for melting, holding and tapping metals or metal alloys. 3,851,090, 11-26-74, Cl. 13-26.000.

Folkenroth, Earl Earnest; and Ullman, Robert, to AMP Incorporated. Insulation stripper and wire separator for twisted wire pairs. 3,815,449, 6-11-74, Cl. 81-9.510.

Folkenroth, Earl Earnest; and Ullman, Robert, to AMP Incorporated. Insulation stripper and wire separator for twisted wire pairs. 3,853,156, 12-10-74, Cl. 140-149.000.

Folkenroth, Earl Ernest: *See—*
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Folkens, Dieter; and Moritz, Rolf, to Olympia Werke AG. Printing apparatus for business machines. 3,788,214, 1-29-74, Cl. 101-96.000.

Folkers, Karl; Chang, Jaw-King; and Sievertsson, Hans. Synthetically produced tetrapeptide having the activity of the luteinizing hormone releasing hormone. 3,787,385, 1-22-74, Cl. 260-112.500.

Folkert, Henry, to Folkert, Inc. Belt drive and tensioning apparatus. 3,853,018, 12-10-74, Cl. 74-242.13a.

Folkert, Inc.: *See—*
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Folkerth, Ilden R., to Michigan Instruments, Inc. Gas cylinder holder. 3,791,403, 2-12-74, Cl. 137-343.000.

Folkesson, Bertil; Nilsson, Lennart; and Sjostrand, Uno, to Tetra Pak Developpement SA. Device for packing machines. 3,788,028, 1-29-74, Cl. 53-51.000.

Folkestad, Finn Enok; Loiten, Kjell Olav; Mejdell, Glor Thorvald; and Torvund, Asbjorn, to Norsk Hydro a.s. Method of removing boric acid and boric acid salts from aqueous magnesium chloride solutions. 3,855,392, 12-17-74, Cl. 423-283.000.

Folkestad, Olav: *See—*
Arild, Arnulf; Creed, John; Folkestad, Olav; Odegard, Erik; Brandtzaeg, Anton; and Selberg, Arne Brigt Bru., 3,849,821.

Folkins, Hillis O., to Union Oil Company of California. Coking of pyrolysis tars. 3,817,853, 6-18-74, Cl. 208-50.000.

Foll, Gerhard; and Lahm, Heinrich, to Index-Werke KG Hahn & Tessky. Multiple tool turret. 3,786,539, 1-22-74, Cl. 29-27.000.

Foll, Gerhard; and Baumer, Heinz Dieter, to Index-Werke KG Hahn & Tessky. Automatic turning machine. 3,793,707, 2-26-74, Cl. 29-563.000.

Foll, Gerhard; and Lahm, Heinrich, to Index-Werke KG Hahn & Tessky. Tool support for use in machine tools particularly in turning machines. 3,846,880, 11-12-74, Cl. 29-3.00g.

Follansbee Steel Corporation: *See—*
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Follett, John L., to Follett Valves Inc. Fuel line shut off. 3,800,816, 4-2-74, Cl. 137-75.000.

Follett, John L. Excess flow responsive shut-off valve. 3,830,252, 8-20-74, Cl. 137-519.500.

Follett, John L., to Follett Valves, Inc. Safety valve having sealed reset means. 3,850,189, 11-26-74, Cl. 137-39.000.

Follett Valves Inc.: *See—*
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Follett, John L., 3,850,189.

Folley, Milo D., to Inco Systems, Inc. Building structure formed of flat corrugated steel decking. 3,820,295, 6-28-74, Cl. 52-270.000.

Folliard, Patrick James: *See—*
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Folliard, Patrick Robert James: *See—*
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Folliot, John M.: *See—*
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Follis, Cecilia A.: *See—*
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Follows, Alan G.: *See—*
Hoffman, Robert J.; and Follows, Alan G., 3,855,397.
Hoffman, Robert J.; and Follows, Alan G., 3,855,398.

Follows, Gordon William. Polyamides. 3,839,392, 10-1-74, Cl. 260-45.70p.

Folmar, Reginald J., to Barber-Colman Company. Dovetailed stator structure. 3,826,941, 7-30-74, Cl. 310-217.000.

Folmer, Orville F., Jr., to Continental Oil Company. Energy absorber for laser pyrolysis. 3,853,503, 12-10-74, Cl. 55-67.000.

Folser, Karl: *See—*
Theurer, Josef; and Folser, Karl, 3,842,994.

Folsom, Max H., to National Appliance Company. Method and apparatus for controlling gaseous environment. 3,848,569, 11-19-74, Cl. 119-37.000.

Folson, Henry J.: *See—*
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Foltz, Carl L.: *See—*
Staub, David E.; and Foltz, Carl L., 3,830,226.

Foltz, Donald R., to Hankison Corporation. Aerosol coalescing filter and the like. 3,802,160, 4-9-74, Cl. 55-187.000.

Foltz, James W., to Motorola, Inc. Binary universal flip-flop employing complementary insulated gate field effect transistors. 3,835,337, 9-10-74, Cl. 307-279.000.

Foltz, James Walter: *See—*
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Foltz, Robert E., to Lawrence Brothers, Inc. Hinge plate switch structure. 3,803,375, 4-9-74, Cl. 200-61.700.

Foltz, Robert E.; Riser, Clarence B.; and Granzow, Kurt H., to Lawrence Brothers, Inc. Folding door hanger with emergency release. 3,829,929, 8-20-74, Cl. 16-97.000.

Foltz, Ronald J.; and Portus, Bruce W., to Fiber Industries Inc. Polyamide polymerization control. 3,796,692, 3-12-74, Cl. 260-78.00r.

Folzenlogen, Paul D.: *See—*
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Folzenlogen, Robert G.; and Smith, James P., to Procter & Gamble Company, The. Processing of beans and peas by freeze drying. 3,787,595, 1-22-74, Cl. 426-441.000.

Fomenko, Sergei M.; Coker, Frank B.; Hauser, Frank W.; Muller, Alex M.; Smith, Remy J.; and Winston, Theodore, to Telautograph Corporation. Facsimile system. 3,818,126, 6-18-74, Cl. 178-6.000.

Fonas, Kenneth R. Method and apparatus for tuning a pair of skis. 3,834,250, 9-10-74, Cl. 76-101.00r

Foner, Max. Biophysiological information processing device. 3,830,228, 8-20-74, Cl. 128-2.06r.

Fong, Andrew O. C.: *See—*
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Fong, Gim P.: *See—*
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Fong, Timothy T., to Hughes Aircraft Company. Coaxial trapatt oscillator operable at a fixed frequency and at a high efficiency. 3,842,370, 10-15-74, Cl. 331-101.000.

Fong, William: *See—*
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Broadway, Alexander Richard William; Fong, William; and Rawcliffe, Gordon Hindle, 3,826,960.

Fonio, Mario. Fabric folding device for laying-up machines in the ready-made garment industry. 3,850,424, 11-26-74, Cl. 270-31.000.

Fonjallaz, Claude: *See—*
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Fonken, Gunther S.: *See—*
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Fonken, Gunther S.; Herr, Milton E.; and Murray, Herbert C., to Upjohn Company, The. Oxygenated azabicycloalkanes. 3,833,562, 9-3-74, Cl. 260-239.0ba.
Fonseca, Anthony G., to Continental Oil Company. Method for absorbing sulfur oxides from gaseous mixtures and regenerating the absorbent. 3,846,535, 11-5-74, Cl. 423-242.000.
Fonseca, Anthony G., to Continental Oil Company. Molten alkaline alkanoic mixtures for absorption of sulfur oxides. 3,848,056, 11-12-74, Cl. 423-210.500.
Fonseca, John; as trustee for Archer, Albert E.; Fonseca, John; Hopper, Donald J.; Winlund, Lawrence J.; and Lee, Seward: *See—*
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Fontaine, Guy Hugues; and Ribot, Alain, to Association d'Recherche et d'Entraide Cardiologiques et Angeiologiques. Cardiac stimulators. 3,845,773, 11-5-74, Cl. 128-419.00p.
Fontaine, Jean: *See—*
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Fontaine, Jean Calude, to Societe "Lucien Ferraz & Cie". Fuse cartridges. 3,793,603, 2-19-74, Cl. 337-166.000.
Fontaine, John G. Control system for brakes. 3,790,223, 2-5-74, Cl. 303-19.000.
Fontaine, John G., to Fail Safe Brake Corporation. Brake system for motor vehicles. 3,830,330, 8-20-74, Cl. 180-101.000.
Fontaine, John G., to Fail Safe Brake Corporation. Automatic door lock. 3,830,332, 8-20-74, Cl. 180-113.000.
Fontaine, John G., to Fail Safe Brake Corporation. Motor vehicle brake system. 3,831,698, 8-27-74, Cl. 180-77.00r.
Fontaine, John G., to Fail Safe Brake Corporation. Automatic parking or emergency brake system for motor vehicles. 3,831,703, 8-27-74, Cl. 180-82.00r.
Fontaine, John G., to Fail Safe Brake Corporation. Automatic parking or emergency brake system for motor vehicles. 3,842,950, 10-22-74, Cl. 188-170.000.
Fontaine, John G., to Fail Safe Brake Corporation. Valve-brake. 3,845,932, 11-5-74, Cl. 251-63.400.
Fontaine, John Garfield, to Fail Safe Brake Corporation. Vehicle pedal operated switch. 3,846,599, 11-5-74, Cl. 200-61.890.
Fontaine, John P. K. Jaw and wedge for fifth wheels. 3,844,584, 10-29-74, Cl. 280-434.000.
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Fontalbert, Terry: *See—*
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Fontana, Anna, to Catellono, Michele. Press for exposure and photoengraving. 3,843,256, 10-22-74, Cl. 355-89.000.
Fontana, C. Michael; and Sparks, Byran. Method of copolymerizing unhindered conjugated dienes with maleic anhydrides. 3,856,760, 12-24-74, Cl. 260-78.5bb
Fontana, Frank J., to Stewart-Warner Corporation. Trash can dolly. 3,831,959, 8-27-74, Cl. 280-79.100.
Fontana, Ludovico, to Technical Arco Establishment. Electric control system for actuating in a predetermined sequence a plurality of electromagnetic relays. 3,796,924, 3-12-74, Cl. 317-140.000.
Fontana, Ludovico. Conveyance equipment which allows the discharge of all or partly of the load by means of an electromagnetic control device. 3,840,148, 10-8-74, Cl. 221-153.000.
Fontana, Toriddo, to S.p.A. (Fabbrica Accessori Auto Bolognese). Fuel line from fuel tank of motorcycles, cars or other vehicles. 3,792,712, 2-19-74, Cl. 137-384.200.
Fontanella, John J.: *See—*
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Fontanella, Luigi; and Mariani, Luigi, to Gruppo Lepetit S.p.A. 2,4-Benzoxazepine derivatives. 3,817,987, 6-18-74, Cl. 260-239.30b.
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Fontein, Freerk J., to Stamicarbon N.V. Process and apparatus for removing liquid from wet or moist particles. 3,805,401, 4-23-74, Cl. 34-10.000.
Fontenier, Guy: *See—*
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Fooks, Michael T. Tube holder. 3,817,426, 6-18-74, Cl. 222-105.000.
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Foote, Daniel J., to Master Lock Company. Looped cable end clamp. 3,783,656, 1-8-74, Cl. 70-18.000.
Foote, Daniel J., to Master Lock Company. Padlock body affixed shackle enveloping guard. 3,783,657, 1-8-74, Cl. 70-52.000.
Foote, Daniel J., to Master Lock Company. Hasp and staple assemblage. 3,787,082, 1-22-74, Cl. 292-281.000.
Foote, Daniel J., to Master Lock Company. Sheathed clamps for looped cable ends. 3,797,947, 3-19-74, Cl. 403-23.000.
Foote, Daniel J., to Master Lock Company. Laminated padlock body with incorporated band-forming slab. 3,835,676, 9-17-74, Cl. 70-52.000.
Foote, Daniel J., to Master Lock Company. Lockable tether and dividable tetherette assemblage. 3,838,585, 10-1-74, Cl. 70-18.000.
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Foote, Robert S., to Geodata International, Inc. Radiation measuring system utilizing a charge sensitive amplifier. 3,797,802, 3-19-74, Cl. 250-71.50r.
Foral, Adolph J., Jr.; and Batdorf, Phillip N., to Black, Sivalls & Bryson, Inc. Method of removing and recovering aromatic hydrocarbons and water from a gas stream. 3,855,337, 12-17-74, Cl. 260-674.00r.
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Forbes, Donald F., Sr., to United States of America, Navy. Digital FM logic circuit. 3,839,682, 10-1-74, Cl. 328-158.000.
Forbes, F. Douglas: *See—*
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Forbes, Hampton E., Jr., to Westvaco Corporation. Display package. 3,784,086, 1-8-74, Cl. 229-55.000.
Forbes, Hampton E., Jr., to Westvaco Corporation. Cutting and scoring die. 3,786,732, 1-22-74, Cl. 93-58.300.
Forbes, Hampton E., Jr., to Westvaco Corporation. Reinforced multiple product carton. 3,804,321, 4-16-74, Cl. 229-38.000.
Forbes, Hampton E., Jr., to Westvaco Corporation. Multi-product carton. 3,812,957, 5-28-74, Cl. 206-45.140.
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Forbes Jones, Robin Mackay, to International Nickel Company, Inc., The. Addition agent. 3,836,358, 9-17-74, Cl. 75-122.000.
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Ford, Eric Harold, to Lumenition Limited. Fuel injection systems for internal combustion engines. 3,810,448, 5-14-74, Cl. 123-32.0ea.
Ford, Eric Harold, to Lumenition Limited. Fuel injection systems for internal combustion engines. 3,851,628, 12-3-74, Cl. 123-32.0ea.
Ford, Ethelyn. Microscope field marker. 3,827,777, 8-6-74, Cl. 350-81.000.
Ford, Francis L. Ascension barricade for chain link fence structures. 3,806,095, 4-23-74, Cl. 256-11.000.
Ford, Francis L. Window screen cleaning apparatus. 3,855,658, 12-24-74, Cl. 15-77.000.
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Ford, James A., to Johns Hopkins University, The. Temperature compensator for fluxgate magnetometer. 3,808,508, 4-30-74, Cl. 317-131.000.
Ford, James A.; and Butt, Sheldon H., to Olin Corporation. Oxidation resistant nickel base alloys. 3,810,754, 5-14-74, Cl. 75-171.000.
Ford, James A., to Olin Corporation. Process for improving heat transfer efficiency and improved heat transfer system. 3,850,227, 11-26-74, Cl. 165-1.000.
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Forni, Jay S., Bell fitting for reinforced plastic-mortar pipe and the like. 3,829,135, 8-13-74, Cl. 285-55.000.

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Forrester, Leonard R. Coin operated display device utilizing threaded time storage member. 3,795,296, 3-5-74, Cl. 194-1.001.

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Forry, James E., to United States of America, Army. Apparatus for tank filling. 3,844,089, 10-29-74, Cl. 53-88.000.

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Forssell, Carl Fredrik Johan Sigvard, to AB Volvo Penta. Vehicle seat with suspension device. 3,853,296, 12-10-74, Cl. 248-399.000.

Forssell, Dag C. G.; and Folson, Henry J., to Vector Company. Inflatable pontoon boat. 3,812,805, 5-28-74, Cl. 114-61.000.

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Forster, Harry D., Jr., to Holograph Corporation. Three-Dimensional projection system. 3,844,645, 10-29-74, Cl. 353-10.000.

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Forthmann, Frederick F., Jr. Strip material packing apparatus. 3,804,266, 4-16-74, Cl. 214-6.0dk.

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Fortuna, Achille C.; and Persson, Hans-Uno, to Lynch Communication Systems, Inc. Encoder-decoder for PCM systems. 3,810,020, 5-7-74, Cl. 325-141.000.

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Fortune, William S. Soldering materials dispensing apparatus. 3,815,843, 6-11-74, Cl. 242-96.000.

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Fortune, William S. Raw material feeder system. 3,823,628, 7-16-74, Cl. 82-2.700.

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Foss, Theodore H., to Lawter Chemicals, Inc. Novel compounds and pigment compositions embodying same. 3,838,063, 9-24-74, Cl. 252-301.20r.
Fossard, Hubert Rene Louis; and Joly, Henriette Josephine. Warning system and method. 3,786,628, 1-22-74, Cl. 58-152.00b.
Fossati, Charles G. One step method for removing water-insoluble coatings applied to a substrate. 3,846,172, 11-5-74, Cl. 134-4.000.
Fossati, Charles G.; and Dalton, Francis B., to Service Tectonics, Inc. Parts treating apparatus. 3,850,184, 11-26-74, Cl. 134-56.00r.
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Foster, David Blythe, to Science Nightingale International Limited, mesne. Motor vehicles incorporating means for protecting the occupants in the event of collision accidents. 3,843,155, 10-22-74, Cl. 280-155.00b.
Foster, Dennis L.; Hoeffel, James D.; and Rice, Eugene W., to Dayton Electronic Products Company. Billing tape recorder conversion unit for a watthour meter. 3,808,602, 4-30-74, Cl. 346-74.00m.
Foster, Douglas E., to Didier, Wm., Mfg. Co. Submarine type, self-propelled suction sweeper. 3,790,979, 2-12-74, Cl. 15-1.700.
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Foster, Edson P. Felting needle. 3,815,186, 6-11-74, Cl. 28-4.00n.
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Foster, Jimmie J. L.; and Schultz, Elmer J., to Collins Radio Company. Qualization means for multi-channel redundant control system. 3,805,235, 4-16-74, Cl. 340-146.1be.
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Foster, John; and Wilson, Geoffrey, to B & S Massey Limited. Forging presses. 3,798,944, 3-26-74, Cl. 72-67.000.
Foster, John; and Walker, Richard John, to Amalgamated Dental Company, Limited, The. Dental filling materials. 3,825,518, 7-23-74, Cl. 260-42.520.

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Foster, John R.; and Hunt, Larry R., to Von Duprin, Inc. Switch assembly for electric strike. 3,796,452, 3-12-74, Cl. 292-341.160.
Foster, John R.; Zawadzki, George Z.; and Godec, Maksimiljan, to Von Duprin, Inc. Conductor transfer assembly. 3,848,361, 11-19-74, Cl. 49-167.000.
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Foster, Kenneth J.: *See—*
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Foster, Linda R.: *See—*
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Foster, Robert Don, to CRC-Crose International, Inc. Lifting apparatus. 3,837,698, 9-24-74, Cl. 294-81.00r.
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Fotland, Richard A.: *See—*
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Fouche, Jean; and Leger, Andre, to Rhone-Poulenc S.A. Process for the preparation of 10,11-dihydro-dibenzo(B,F)azepinones. 3,821,197, 6-28-74, Cl. 260-239.00d.
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Foufounis, Jean; and Foufounis, Chantal. Folding bed. 3,805,307, 4-23-74, Cl. 5-2.00r.
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Fougere, Guy L.; and Rothery, John L., to Little, Arthur D., Inc. Device and method for testing coins employing velocity determining means. 3,797,628, 3-19-74, Cl. 194-99.000.
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Fournie, Thomas A. Lap dissolve slide projector. 3,792,922, 2-19-74, Cl. 353-83.000.
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Fowler, James McFarland, Jr., to Becton, Dickinson and Company. Contamination control apparatus. 3,811,250, 5-21-74, Cl. 55-274.000.
Fowler, Joanna S.; Lambrecht, Richard M.; and Wolf, Alfred P., to United States of America, Atomic Energy Commission. Production of fluorine-18 labeled 5-fluorouracil. 3,808,097, 4-30-74, Cl. 176-11.000.
Fowler, Joe R., to Texaco Inc. Methods and apparatuses for transmission of longitudinal and torque pulse data from drill string in well while drilling. 3,813,656, 5-28-74, Cl. 340-18.01d.
Fowler, Joe R.; and Bryan, John L., to Texaco Inc. Method for making high penetration rate drill bits and two bits made thereby. 3,845,830, 11-5-74, Cl. 175-404.000.
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Fowler, Larry G., to Sugar Cane Growers Cooperative of Florida. Two row cutter windrower harvesting machine. 3,791,114, 2-12-74, Cl. 56-13.900.
Fowler, Larry G., to Sugar Cane Growers Cooperative of Florida. Sugar cane loader-cleaner machine. 3,828,536, 8-13-74, Cl. 56-502.000.
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Fowler, William H., to Western Electric Company, Incorporated. Testing and increasing breakdown voltage of crossovers. 3,793,879, 2-26-74, Cl. 73-95.000.
Fowler, William H., to Western Electric Company, Incorporated. Distributing a fluid evenly over the surface of an article. 3,836,388, 9-17-74, Cl. 117-120.000.
Fowlie, Wallace R.; and Yoon, Moo S., to Dick, A. B., Company, mesne. Document feeder for electrostatic copier. 3,840,222, 10-8-74, Cl. 271-4.000.
Fox, Anthony Cecil; and Hyde, Kenneth Robert, to United Kingdom Atomic Energy Authority. Preparation of aqueous redispersible gels or stable dilutable sols containing tungsten and titanium and titanium-tungsten carbides therefrom. 3,795,522, 3-5-74, Cl. 10-43.000.
Fox, Austin Leslie; and Jones, William Arthur Albert, to Molins Limited. Three-dimensional shaping of panels of cards. 3,799,040, 3-26-74, Cl. 93-1.00d.
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Fox, Charles L., Jr., to Research Corporation. Burn ointment comprising silver sulfadiazine and collagenase. 3,792,161, 2-12-74, Cl. 424-94.000.
Fox, Charles S.; and Easterday, Ralph E., said Fox assor. to said Easterday, Ralph E. Base for air conditioning condenser apparatus. 3,790,115, 2-5-74, Cl. 248-19.000.
Fox, Charles W., to McCabe-Powers Body Company. Control system for a derrick utilizing light multiplex communication link. 3,820,070, 6-25-74, Cl. 340-147.00r.
Fox, Daniel W., 25% each to DePrima, Anthony E. and Aranda, Thomas, Jr. Dental hygiene assembly. 3,816,007, 6-11-74, Cl. 401-146.000.
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Fox, Daniel W., to General Electric Company. Flame retardant compounds and thermoplastic compositions containing the same. 3,855,277, 12-17-74, Cl. 260-45.70r.
Fox, Donald H. Spinal position patient restraint. 3,829,079, 8-13-74, Cl. 269-328.000.
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Fox, Gene O.: *See*—
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Fox, George: *See*—
Baker, John R.; and Fox, George, 3,789,693.
Fox, Gerald B.: *See*—
Katterheinrich, Fred H.; and Fox, Gerald B., 3,789,860.
Fox Grinders, Inc.: *See*—
Bair, James G., 3,839,830.
Fox, Haydn Milton, to RCA Corporation. Constant pulse width generator. 3,783,304, 1-1-74, Cl. 307-106.000.
Fox Industries, Inc.: *See*—
Scheffel, Carl W., 3,788,758.
Fox J. C.; and Delay, Elbert A. Stackable safety ash tray. 3,841,339, 10-15-74, Cl. 131-235.00r.
Fox, James D.; Norman, Earl P., Jr.; and Sansbury, Jerry F., to Sonoco Products Company. Method of manufacturing container end with protective bead. 3,855,026, 12-17-74, Cl. 156-69.000.
Fox, James D.; Norman, Earl P., Jr.; and Sansbury, Jerry F., to Sonoco Products Company. Container end with protective bead. 3,856,179, 12-24-74, Cl. 220-270.000.
Fox, James H.; Leung, Han-Chung; and Stern, Howard R., to Mattel, Inc. Kissing doll phonograph. 3,784,210, 1-8-74, Cl. 274-1.00a.
Fox, Jerry D.: *See*—
Lingenfelder, Paul G.; and Fox, Jerry D., 3,844,638.
Fox, John B. Fuel cell. 3,853,628, 12-10-74, Cl. 136-86.00d.
Fox, John H., Jr.: *See*—
Wilson, Calvin L.; and Fox, John H., Jr., 3,843,027.
Fox, John William, to Project Laboratories, Limited. Inflatable safety belt and head bag. 3,844,581, 10-29-74, Cl. 280-150.0lb.
Fox, John William, to Project Laboratories Limited. Inflatable safety belt. 3,848,887, 11-19-74, Cl. 280-150.0ab.
Fox, Jon E.: *See*—
Davis, Robert H.; and Fox, Jon E., 3,786,497.
Fox, Joseph N.: *See*—
Davis, Charles M., Jr.; and Fox, Joseph N., 3,814,009.
Fox, Joseph S.; and Koetting, Jerome D., to Union Carbide Corporation. Purification process for recovering uranium from an acidic aqueous solution by pH control. 3,790,658, 2-5-74, Cl. 423-15.000.
Fox, Joseph S., to Union Carbide Corporation. Recovery of tungsten from low grade tungsten ores. 3,800,025, 3-26-74, Cl. 423-61.000.
Fox, Joseph S.; Skiles, David O.; and Richardson, Calvin G., to Union Barbide Corporation. Process for recovery of vanadium values from ferrophosphorus and/or ferrophosphorus mixtures. 3,816,589, 6-11-74, Cl. 423-68.000.
Fox, Michael Frank: *See*—
Saunders, Peter Anthony; Fox, Michael Frank; Fagan, Anthony Francis; and Derbyshire, Philip Edward, 3,857,790.
Fox Motori di CECI Napoleone & C.s.a.s.: *See*—
Bonvicini, Giacomo, 3,836,800.
Fox Pool Corporation: *See*—
Witte, Donald H., 3,848,378.
Fox, Ralph W., to Philco-Ford Corporation. Document handling apparatus. 3,796,424, 3-12-74, Cl. 271-1.000.
Fox, Ralph W., to Philco-Ford Corporation. Document restraining and reading apparatus. 3,824,376, 7-16-74, Cl. 235-61.11j.
Fox, Richard; Williams, Darrel Andrew; and Wisinski, Adam Prus, to ICI Australia, Limited. Method of filling boreholes with viscous slurried explosives. 3,791,255, 2-12-74, Cl. 86-20.00c.
Fox, Richard; Neill, Keith; and Tankey, Howard, to ICI Australia Limited. Coated ammonium nitrate. 3,834,955, 9-10-74, Cl. 149-7.000.
Fox, Richard; and Tankey, Howard William, to ICI Australia Limited. Explosive compositions with coated gaseous encapsulations. 3,837,937, 9-24-74, Cl. 149-4.000.
Fox, Richard B. Device for inhibiting vibratory roof noise. 3,857,457, 12-31-74, Cl. 181-33.00a.
Fox, Richard L. T., to Picker Corporation. Method and apparatus for inspecting tires with X-rays. 3,803,415, 4-9-74, Cl. 250-360.000.
Fox, Richard L. T., to Picker Corporation. Method and apparatus for inspecting tires. 3,843,888, 10-22-74, Cl. 250-360.000.
Fox, Richard Q.: *See*—
Smith, Andrew W., Jr.; and Fox, Richard Q., 3,802,236.
Fox, Richard Q., to Westinghouse Electric Corporation. Rolling mill gauge control method and apparatus including plasticity determination. 3,798,941, 3-26-74, Cl. 72-10.000.
Fox, Richard Q., to Westinghouse Electric Corporation. Rolling mill gauge control method and apparatus including X-ray correction. 3,802,235, 4-9-74, Cl. 72-9.000.
Fox, Richard Q.; and Emberg, Donald J., to Westinghouse Electric Corporation. Rolling mill gauge control method and apparatus including feedback correction. 3,841,122, 10-15-74, Cl. 72-6.000.

Fox, Richard Q.; and Smith, Andrew W., Jr., to Westinghouse Electric Corporation. Rolling mill gauge control method and apparatus including entry gauge correction. 3,841,123, 10-15-74, Cl. 72-8.000.
Fox, Richard Q., to Westinghouse Electric Corporation. Rolling mill gauge control method and apparatus including speed correction. 3,851,509, 12-3-74, Cl. 72-8.000.
Fox, Richard W.: *See—*
Korn, Sebald R.; Fox, Richard W.; and Sahm, William H., III, 3,816,763.
Fox, Robert B.; and Sturm, Ernst F. Indoor golf game. 3,837,653, 9-24-74, Cl. 273-178.00r.
Fox, Robert C.; Altman, James S.; and King, Charles W., to DuKane Corporation. Communication sound system continuously monitored. 3,855,415, 12-17-74, Cl. 179-1.0mn.
Fox, Robert H.: *See—*
Bozer, Keith B.; Brown, Lloyd H.; and Fox, Robert H., 3,850,727.
Fox, Robert M. Air driven vehicle. 3,785,330, 1-15-74, Cl. 115-70.000.
Fox, Robert M.; and Truran, Karl, to General Motors Corporation. Vehicle body energy absorbing panel. 3,810,656, 5-14-74, Cl. 280-150.00b.
Fox, Rolan H. Air pollution control unit for internal combustion engines. 3,802,191, 4-9-74, Cl. 60-279.000.
Fox, Roland Thomas Victor; Hadfield, John Roger; and Doyle, Peter, to Imperial Chemical Industries Limited. Anti-bacterial process using tetramisole. 3,823,239, 7-9-74, Cl. 424-270.000.
Fox, Sam. Dip net. 3,849,926, 11-26-74, Cl. 43-11.000.
Fox, Shirl S., to Dental Designs. Cuspidor and dental console for use therewith. 3,790,971, 2-12-74, Cl. 4-263.000.
Fox, Wiliam B.: *See—*
Young David E.; Gould, Douglas E.; Anderson, Lowell Ray; and Fox, Wiliam B., 3,842,156.
Fox, William Albert: *See—*
Wright, William Howell; Bingham, Alex John; and Fox, William Albert, 3,813,366.
Fox, William B.: *See—*
Anderson, L. Ray; Fox, William B.; and Gefri, Frederick J., 3,839,462.
Fox, William L., II. Package structure. 3,811,563, 5-21-74, Cl. 206-459.000.
Fox, William P. Hand-loaded pin chuck. 3,788,537, 1-29-74, Cl. 227-142.000.
Fox, William R.: *See—*
Rowe, Edgar R.; and Fox, William R., 3,826,404.
Foxboro Company, The: *See—*
Annino, Raymond; and McCrea, Peter F., 3,822,203.
Bristol, Edgar H., II, 3,798,426.
Bullard, Alvan H.; and Calder, William, III, 3,845,356.
Carroll, A. Lindsay, Jr.; and White, Melvin J., Jr., 3,854,145.
Fletcher, Kenneth S., III, 3,855,098.
Fletcher, Kenneth S., III, 3,856,633.
Freitas, Manuel P.; and Laeser, Bernard P., 3,798,424.
Hansen, Peter D., 3,783,692.
Light, Truman S.; and Doyle, Nicholas E., Jr., 3,806,439.
Prescott, Robert C., 3,812,767.
Russell, Douglas D.; and George, Henry A., 3,800,288.
Shinskey, Francis G., 3,794,817.
Foxhall, Ollie C., to Joco, Incorporated. Inflation device. 3,824,849, 7-23-74, Cl. 73-146.800.
Foxton, Sidney Brian, to Arundel Corporation, The. Method of producing lightweight expanded slag. 3,856,495, 12-24-74, Cl. 65-19.000.
Foxworthy, Eugene R.; Blatter, Albert; Gamber, William N.; Presley, Rex W.; and Verge, Kenneth W., to Bendix Corporation, The. System for augmenting aircraft attitude stability using vertical vane type sensors. 3,819,135, 6-25-74, Cl. 244-77.000.
Foy, Charles L.; and Arnold, Harmon W., to Flex-O-Lators, Inc. Edge protector. 3,787,922, 1-29-74, Cl. 16-1.000.
Foy, Wade H.: *See—*
Toole, Joseph G.; and Foy, Wade H., 3,851,641.
Foye, Albion G. Hopper-type mortar spreader. 3,791,559, 2-12-74, Cl. 222-176.000.
Foye, Duane F.: *See—*
Hinkamp, Paul E.; and Foye, Duane F., 3,817,780.
Foye, John J., to Kaiser Aluminum & Chemical Corporation. Self-centering bottom block assembly. 3,847,206, 11-12-74, Cl. 164-274.000.
Foyle, Russell M.: *See—*
Sherer, C. Richard; and Foyle, Russell M., 3,807,047.
Fozzard, George B., to Phillips Petroleum Company. Process for separating halogenated hydrocarbons by extractive distillation. 3,819,493, 6-25-74, Cl. 203-70.000.
Fr. Hesser Maschinenfabrik AG: *See—*
Bahr, Siegmund; and Saur, Walter, 3,790,040.
Buchner, Norbert, 3,846,220.
Fr. Winkler, KG., Spezialfabrik fur Backereimaschinen und Backofen: *See—*
Remensperger, Franz, 3,806,298.
Fra, Jacky: *See—*
Carles, Maurice; and Fra, Jacky, 3,806,579.
Fraanje, Marinus Joost; Maarhuis, Rudolf Gerard Jan; and Noorman, Frans, to Grontmij Grondverbetering en Ontginningmaatschappij N.V. Method of manufacturing a scale model of a roadway. 3,844,052, 10-29-74, Cl. 35-16.000.
Frabill Manufacturing Co.: *See—*
Matras, Earl L.; Matras, Frank D.; and Herad, Donald J., 3,788,642.
Frach, Werner; and Janke, Bernhard. Seal for a sliding door, a sliding window or the like. 3,857,199, 12-31-74, Cl. 49-477.000.
Fracke, Aribert; deceased (by Fracke, Waltraut; legal representative); and Wachtler, Hans, to Siemens Aktiengesellschaft. Apparatus for measuring the local neutron density distribution in the interior of a nuclear reactor. 3,819,946, 6-25-74, Cl. 250-374.00.
Fracke, Aribert; Klein, Heinrich; Pieper, Rudolf; Weber, Eduard; and Wachtler, Hans, to Siemens Aktiengesellschaft. Apparatus for drying particulate matter with gaseous media. 3,851,404, 12-3-74, Cl. 34-56.000.
Fracke, Waltraut: *See—*
Fracke, Aribert; and Wachtler, Hans, 3,819,946.
Frackowiak, Anthony J.: *See—*
Woods, Glenn; and Frackowiak, Anthony J., 3,846,887.
Fradeneck, Ronald J., to Bethlehem Steel Corporation. Apparatus for inserting an expendable sensor into a basic oxygen furnace. 3,813,943, 6-4-74, Cl. 73-343.00r.
Fradkin, David B.: *See—*
Roehling, Duane J.; and Fradkin, David B., 3,845,300.
Fradkin, Neil E: *See—*
Fradkin, Neil E.; and Wolcott, Carl Frederick (said Wolcott, Carl F., assor. to said), 3,796,889.
Fradkin, Neil E.; and Wolcott, Carl Frederick, said Wolcott, Carl F., assor. to said Fradkin, Neil E. Coded electrical locking device. 3,796,889, 3-12-74, Cl. 307-10.000.
Fraenkische Isolierrohr-und Metallwaren-Werke Gebrueder Kirchner: *See—*
Jenner, Heinrich; and Schmidt, Georg, 3,820,340.
Fragas, Restituto R. Bed sheet or other bed covering having two head portions. 3,795,019, 3-5-74, Cl. 5-334.00c.
Frager, Glenn E.; and Pfenninger, Bill J., to Krause Plow Corporation. Folding disc harrow. 3,830,313, 8-20-74, Cl. 172-581.000.
Frahm, Carl E.; and Frahm, Shirley E. Bottled water cradle case construction. 3,802,595, 4-9-74, Cl. 220-66.000.
Frahm, Gerd Rainer, to NGZ Geldzahlmaschinen-Ges. mbH. & Company. Automatic coin dispensing machine. 3,798,873, 3-26-74, Cl. 53-212.000.
Frahm, Gerd Rainer; Meisel, Franz; and Heinl, Ulrich, to NGZ Geldzahlmaschinen-Ges. mbH. & Company and Fertigungs K.G. Coin delivery machine. 3,822,713, 7-9-74, Cl. 133-2.000.
Frahm, Shirley E.: *See—*
Frahm, Carl E.; and Frahm, Shirley E., 3,802,595.
Frailey, Nevin E.; and Welch, Ralph A., to Shell Oil Company. Impact-improved polypropylene compositions. 3,793,283, 2-19-74, Cl. 260-33.6aq.
Frailly, Nicholas D., to Eaton Corporation. Method and apparatus for manufacturing split retaining rings and the like. 3,850,205, 11-26-74, Cl. 140-88.000.
Fraim, Freeman W.; and Murphy, Preston V., to Thermo Electron Corporation. Electret transducer cartridge and case. 3,816,671, 6-11-74, Cl. 179-111.00e.
Fraim, Raymond A.: *See—*
Bartles, Edward C.; and Fraim, Raymond A., 3,848,342.
Fraiman,Yakov Iosifovich. Kenaf cardboard and method for production thereof. 3,825,471, 7-23-74, Cl. 162-147.000.
Frain, John J. Process of making ticket packets with the tickets of each packet having consecutive and constant numbering thereon. 3,822,876, 7-9-74, Cl. 270-1.000.
Fraioli, Anthony Vincent, to American Cyanamid Company. Seal for electrochemical cells and the like. 3,852,117, 12-3-74, Cl. 136-133.000.
Fraioli, Ingrid: *See—*
Warbichler, Peter, 3,816,190.
Fraioli, Joseph, Sr. Conveyor belt system. 3,854,575, 12-17-74, Cl. 198-182.000.
Frake, Allen B. End plate for concrete forms. 3,833,199, 9-3-74, Cl. 249-33.000.
Fraley, Francis C. Outdoor wash stand. 3,828,373, 8-13-74, Cl. 4-170.000.
Fraley, Thomas E. Portable precision golf ball sphericity gauge. 3,797,123, 3-19-74, Cl. 33-178.00b.
Fraley, Walter C.; Hendrix, James T.; and Bell, Charles A., to Hydro-Search, Inc. Electronic gaming device simulating the game of blackjack. 3,796,433, 3-12-74, Cl. 273-138.00a.
Fram Corporation: *See—*
Blecharczyk, Stephen S., 3,803,029.
Conley, James D.; Belden, Donald E.; and Terhune, Ralph D., 3,795,810.
Dejong, Allan W., 3,799,697.
DeJong, Allan W., 3,836,284.
Montanaro, Richard A.; and Moreau, Henry B., 3,803,030.
Strick, Karl H., 3,827,826.

Frambs, Terrence K.; and Marton, Alejando B., to Honeywell Information Systems, Inc. System and method for effecting cyclic redundancy checking. 3,798,597, 3-19-74, Cl. 340-146.1al.
Frame, Douglas J.: *See—*
Graham, Robert G.; and Frame, Douglas J., 3,828,735.
Graham, Robert G.; and Frame, Douglas J., 3,850,146.
Framer, Hyman. Coilable closure device. 3,842,890, 10-22-74, Cl. 160-26.000.
Frampton, Orville D.; and Feldman, Julian, to National Distillers and Chemical Corporation. Catalytic hydration of olefins. 3,801,656, 4-2-74, Cl. 260-641.000.
Franaszek, Peter Anthony, to International Business Machines Corporation. Limitation of A. C. coupling distortion in magnetic recording. 3,840,854, 10-8-74, Cl. 340-146.1ab.
France Bed Co., Ltd.: *See—*
Ikeda, Minoru, 3,848,283.
France, David W.: *See—*
Schaefer, Hans F., Jr.; and France, David W., 3,821,498.
Schaefer, Hans F., Jr.; and France, David W., 3,843,187.
France, Jimmie J.; Neubert, Fred J.; Caldwell, Eugene L.; Springer, Howard D.; and Sutton, Max E., to Westinghouse Air Brake Company. Tilting dump truck mud flap assembly. 3,794,383, 2-26-74, Cl. 298-1.0sg.
France, William Henry Getty. Safety guard rail for highway medians. 3,807,699, 4-30-74, Cl. 256-13.100.
France-Couleur: *See—*
Lebel, Pierre, 3,837,829.
Franceschi, Giovanni: *See—*
Arcamone, Federico; Franceschi, Giovanni; and Penco, Sergio, 3,803,124.
Franceschi, Giovanni; and Grein, Arpad, to Societa Farmaceutici Italia. Poultry feed containing mycelium of streptomyces mediolani. 3,822,352, 7-2-74, Cl. 424-195.000.
Francey, Melvin H.: *See—*
Spanke, Edwin A.; Carrieri, Louis F.; and Francey, Melvin H., 3,835,971.
Franchi, Luigi, S.p.A.: *See—*
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Francik, Carl J.: *See—*
Busker, Leroy H.; and Francik, Carl J., 3,798,121.
Mohr, William C.; and Francik, Carl J., 3,804,707.
Francis, Ajax C., Jr., to Western Electric Company, Incorporated. One-quarter turn fastener. 3,855,895, 12-24-74, Cl. 85-1.001.
Francis, Arthur W.: *See—*
Schreiner, Heinz R.; Hamilton, Robert W.; and Francis, Arthur W., 3,815,591.
Francis, G. V.: *See—*
Robertson, Robert C.; and Francis, G. V., 3,812,632.
Francis, George E. Air-borne particle deflector for vehicle windshields. 3,817,572, 6-18-74, Cl. 296-91.000.
Francis, Howard P.; and Maher, Thomas K., to CPC International Inc. Treatment of a paper pulp suspension with a composition of rosin and a starch phosphate. 3,802,959, 4-9-74, Cl. 162-175.000.
Francis, Jonathan. Lightweight, compact air mattress. 3,813,716, 6-4-74, Cl. 5-348.000.
Francis, Leonard L. Free hand jointer device. 3,806,268, 4-23-74, Cl. 404-89.000.
Francis, Philip L., to General Motors Corporation. Steering wheel and column interface seal. 3,787,075, 1-22-74, Cl. 280-150.0ab.
Francis, Robert Charles: *See—*
Sawyer, Bobby Gene; and Francis, Robert Charles, 3,820,311.
Francis, Robert Hugh; deceased (by francis, Lillian Lloyd; executrix) . Aircraft. 3,820,745, 6-28-74, Cl. 244-40.00r.
Francis, Robert L.; and Rouse, Paul L., to International Harvester Company. Multiple use finger assembly for a combine harvester. 3,785,134, 1-15-74, Cl. 56-400.000.
Franck, Heinz-Gerhard; Metzendorf, Walter; Schweym, Erich; Beneke, Herbert; Marrett, Rolf; Nijssen, Jozef; and Omran, Jaafar, to Rutgerswerke Aktiengesellschaft. Process for making a foam from a composition comprising bituminous masses, a novolac, and hexaethylenetetramine. 3,784,487, 1-8-74, Cl. 260-2.50f.
Franck, Howard S., to Philco-Ford Corporation. Refrigerator cabinet construction. 3,835,660, 9-17-74, Cl. 62-277.000.
Francke, Andries; and Heinz, Karl Ludwig, to Lever Brothers Company. Method for cleaning dishes and the like. 3,799,879, 3-26-74, Cl. 252-89.000.
Francke, Dilihard: *See—*
Pasedach, Heinrich; Bittler, Knut; Francke, Dilihard; and Hoffmann, Werner, 3,801,653.
Franckh'sche Verlagshandlung: *See—*
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Franco Chemie S.a.r.L., mesne: *See—*
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Franco, John Vincent, to Bell Telephone Laboratories, Incorporated. Digital demodulation of frequency-shift keyed data signals. 3,846,708, 11-5-74, Cl. 329-104.000.
Franco, Nicholas B.: *See—*
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Franco, Philip: *See—*
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Francois, Dale H., to American Chain & Cable Company, Inc. Roll handling apparatus. 3,831,992, 8-27-74, Cl. 294-65.000.
Francois, Peynaud, to Thomson-CSF. Methods of and devices for transmitting and receiving as used in navigation systems employing the doppler effects. 3,800,274, 3-26-74, Cl. 340-3.00r.
Francoise, Damidau: *See—*
Christian, Rioux; and Francoise, Damidau, 3,848,099.
Francolino, Giuseppe. Electric toothbrush. 3,800,350, 4-2-74, Cl. 15-23.000.
Francombe, Maurice H.; Wu, Shu Y.; and Takei, William J., to Westinghouse Electric Corporation. Epitaxial growth of thermically expandable films and particularly anisotropic ferro-electric films. 3,808,674, 5-7-74, Cl. 29-590.000.
Francombe, Maurice Hubert: *See—*
Wu, Shu-Yau; and Francombe, Maurice Hubert, 3,832,700.
Franconi, Cafiero: *See—*
Bonori, Maurizio; Franconi, Cafiero; and Galuppi, Paolo, 3,833,931.
Francotyp GmbH: *See—*
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Francque, Marc: *See—*
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Scherhab, Berng; Koppelmann, Eliahu; Wolz, Hermann; and Francque, Marc, 3,842,098.
Franek, Jozef Tadeusz; and Rhodes, Peter, to Metal Box Company Limited, The. Making can bodies. 3,782,314, 1-1-74, Cl. 113-1.00g.
Franek, Jozef Tadeusz; and Porucznik, Paul, to Metal Box Company Limited, The. Treating strip metal. 3,798,950, 3-26-74, Cl. 72-205.000.
Franer, Victor R., to Minnesota Mining and Manufacturing Company. Composite film. 3,846,843, 11-5-74, Cl. 360-135.000.
Frangiudakis, Emmanuel, 1/2 to Frangos, John W. Hydraulic actuator for dual braking system. 3,789,962, 2-5-74, Cl. 188-345.000.
Frangos, John. Aerosol valve construction. 3,790,089, 2-5-74, Cl. 239-573.000.
Frangos, John W.: *See—*
Frangiudakis, Emmanuel, 3,789,962.
Frangos, John W. Convertible floor system. 3,817,015, 6-18-74, Cl. 52-511.000.
Frangullie, George C. Live bait bucket. 3,831,310, 8-27-74, Cl. 43-56.000.
Frank: *See—*
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Frank, Alan I. W., The, Corporation: *See—*
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Frank, Anton: *See—*
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Frank, Anton. Method for producing a pile support arrangement. 3,854,294, 12-17-74, Cl. 61-51.000.
Frank, Bruce Allen: *See—*
Frank, Bruce Allen; Miles, John Arlington; and Ahlstrom, James C., 3,805,049.
Frank, Bruce Allen; Miles, John Arlington; and Ahlstrom, James C., to Frank, Bruce Allen. Color pattern generator. 3,805,049, 4-16-74, Cl. 240-10.00r.
Frank, Charles E.: *See—*
Carlisle, Gilbert A.; and Frank, Charles E., 3,819,225.
Frank, Charles E.; and Murib, Jawad H., to National Distillers and Chemical Corporation. Process for the preparation of acrylic and methacrylic acids. 3,792,086, 2-12-74, Cl. 260-533.00n.
Frank, Charles Roger, to Imperial Chemical Industries Limited. Heat exchange. 3,833,051, 9-3-74, Cl. 165-1.000.
Frank, Daniel L., to General Motors Corporation. Solenoid valve control for exhaust gas recirculation. 3,799,133, 3-26-74, Cl. 123-119.00a.
Frank, Dieter; Brodowski, Walter; and Hentschel, Peter, to Akzona Incorporated, mesne. Metal compounds of polycarbamoylamidrazones. 3,845,014, 10-29-74, Cl. 260-47.0cb.
Frank, Earl E.; and Graham, Glenn R., to Abex Corporation. Railroad car retarders. 3,809,188, 5-7-74, Cl. 188-62.000.
Frank, Earl E., to Abex Corporation. Method and apparatus for improving car rollability in a railroad classification yard. 3,815,508, 6-11-74, Cl. 104-26.00r.
Frank, Edmond, to Packard Instrument Company, Inc. Method and apparatus for optimizing measurement of radioactivity of samples in scintillation type counter. 3,786,259, 1-15-74, Cl. 250-328.000.
Frank, Edmund: *See—*
Toman, Joseph R.; and Frank, Edmund, 3,792,276.
Frank, Edmund, to Packard Instrument Company, Inc. Flexible containers for liquid sample spectrometry and methods and apparatus for forming, filling and handling the same. 3,857,485, 12-31-74, Cl. 206-305.000.
Frank, Erich: *See—*
Kessler, Gustav; Frank, Erich; and Laumann, Volker, 3,849,232.
Frank, Fred Richard, to Upjohn Company, The. Increasing hen eggshell thickness with 25-hydroxycholecalciferol compounds. 3,823,237, 7-9-74, Cl. 424-236.000.
Frank, G. B., Incorporated: *See—*

Pittman, Gary L., 3,831,518.
Frank, Gary D., to Clark Equipment Company. Extended reach mechanism for a truck. 3,843,003, 10-22-74, Cl. 214-762.000.
Frank Gilbert H.: *See—*
Woolfson, Martin G.; and Frank Gilbert H., 3,829,747.
Frank, Heinrich H., to Emerson Electric Co. Hand held tube bender. 3,789,640, 2-5-74, Cl. 72-36.000.
Frank, Helmut; Maus, Otfrid; and Tary, Endre, to Schenck, Carl, Maschinenfabrik GmbH. Balancing apparatus. 3,812,725, 5-28-74, Cl. 73-462.000.
Frank, Hermann; and Huber, Rudolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Systme for controlling the frequency of an alternating current converter in response to load changes. 3,829,757, 8-13-74, Cl. 321-18.000.
Frank, Jan: *See—*
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Frank, Joseph J. Sausage casing closure and sausage smoking method and apparatus. 3,831,769, 8-27-74, Cl. 211-113.000.
Frank, Karl. Blow molding process. 3,783,157, 1-1-74, Cl. 264-97.000.
Frank, Kurt F.: *See—*
Kays, David D.; Frank, Kurt F.; and Longwell, Paul A., 3,832,289.
Frank, Kurt F.; Kays, David D.; and Kruse, John W., Jr., to Aerojet-General Corporation. Multiple effect evaporators. 3,797,552, 3-19-74, Cl. 159-17.00c.
Frank, Kurt F., to Aerojet-General Corporation. Multiple effect evaporator system. 3,830,704, 8-20-74, Cl. 202-174.000.
Frank, Raymond W.; and Hirth, Ronald D., to Sta-Rite Industries, Inc. Liquid pressure tank. 3,802,464, 4-9-74, Cl. 138-30.000.
Frank, Raymond W.; and Kralovec, William M., to Sta-Rite Industries, Inc. Plastic pump construction. 3,826,589, 7-30-74, Cl. 415-170.00a.
Frank, Richard S., to Nuclear-Chicago Corporation. Progrramming apparatus for an automtic radioactiveity counting system. 3,805,071, 4-16-74, Cl. 250-328.000.
Frank, Robert G., to PPG Industries, Inc. Method of conveying glass sheets through a furnace. 3,834,885, 9-10-74, Cl. 65-106.000.
Frank, Robert G., to PPG Industries, Inc. Shaping heat-softened glass sheets by roll forming. 3,856,499, 12-24-74, Cl. 65-104.000.
Frank, Robert L.; Martin, Sidney G.; and Smith, Clayton S., to Morton-Norwich Products, Inc. Process for the recovery of non-ferrous metal values from sulfide ores and the reduction of gaseous emissions to the atmosphere therefrom. 3,791,812, 2-12-74, Cl. 5-9.000.
Frank, Rudiger, to Leybold-Heraeus-Verwaltung GmbH. Turbomolecular vacuum pump. 3,826,588, 7-30-74, Cl. 415-90.000.
Frank, Rudolf: *See—*
Witzig, Emil Karl; and Frank, Rudolf, 3,838,938.
Frank, Ulrich Anton, to Hoffmann-La Roche Inc. Respiratory distress stimulator system. 3,795,240, 3-5-74, Cl. 128-2.00r.
Frank, Wilh., GmbH: *See—*
Frank, Wilhelm, 3,807,528.
Frank, Wilhelm, to Frank, Wilh., GmbH. Covering and stair access for openings in ceilings, roofs and similar wall structures. 3,807,528, 4-30-74, Cl. 182-81.000.
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Frank, William; and Lindgren, Frank E. Layout marking wheel. 3,783,785, 1-8-74, Cl. 101-328.000.
Frank, William N. Collapsible beach tote barrow with ball combination. 3,826,511, 7-30-74, Cl. 280-36.00r.
Frank, William R.: *See—*
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Franke, Albrecht; and Traber, Walter, to Ciba-Geigy Corporation. Esters of phenoxyphenylalkenoic acids. 3,824,274, 7-16-74, Cl. 260-473.00r.
Franke, Edward L., Jr.; and Hyde, William J., to Western Electric Company, Incorporated. Methods of manufacturing waterproof cable. 3,832,215, 8-27-74, Cl. 117-61.000.
Franke, Edward L., Jr.; Hyde, William J.; and Schneider, Randy G., to Western Electric Company. Apparatus for manufacturing waterproof cable. 3,850,139, 11-26-74, Cl. 118-50.000.
Franke, Edward L., Jr.; and Hyde, William J., to Western Electric Company, Incorporated. Apparatus for manufacturing waterproof cable. 3,854,444, 12-17-74, Cl. 118-50.000.
Franke, Edward Louis, Jr.: *See—*
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Franke, Friedrich H.: *See—*
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Franke, Gunter. Doll with changeable face and belly portions. 3,830,012, 8-20-74, Cl. 46-135.00r.
Franke, Hans G.: *See—*
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Franke, Hans G., to Chevron Research Company. 2,4,6-Substituted-3,5-dioxo-1,2,4,6-thiatriazines. 3,817,993, 6-18-74, Cl. 260-243.00r.
Franke, Hans G., to Chevron Research Company. N-acyl-O-hydrocarbylphosphoramidothioate salts and process for making same. 3,832,425, 8-27-74, Cl. 260-959.000.
Franke, Kurt: *See—*
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Franke, Kurt; and Finkenzeller, Johann, to Siemens Aktiengesellschaft. X-ray device. 3,857,039, 12-24-74, Cl. 250-402.000.
Franke, Norman W.: *See—*
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Franke, Ronald E. Locking device. 3,782,146, 1-1-74, Cl. 70-232.000.
Frankel, Alvin L.: *See—*
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Frankel, Donald P.; and Kendall, Willard E., to La Mere Industries, Inc. Incinerator. 3,817,193, 6-18-74, Cl. 110-9.00r.
Frankel, Edwin N., to United States of America, Agriculture. Selective hydroformylation of unsaturated fatty compounds. 3,787,459, 1-22-74, Cl. 260-410.700.
Frankel, Lawrence S.: *See—*
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Frankel, Milton B.; and Witucki, Edward F., to Rockwell International Corporation. Energetic polynitro halogenated diol ethers. 3,832,390, 8-27-74, Cl. 260-487.000.
Frankel, Milton B.; Golding, David R. V.; Minnich, Basil H.; and Haury, Vernon E., to Rockwell International Corporation. Smokeless composite propellants containing carboxy-or hydroxy-terminated polymers and a nitro-organic oxidizer. 3,853,646, 12-10-74, C. 149-19.400.
Frankel, Sylvan A., to Richards Manufacturing Company. Universal clavicle splint. 3,857,388, 12-31-74, Cl. 128-87.00r.
Franken, Andrianus Jacobus Jozef: *See—*
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Frankenberg, Henry E., to Continental Can Company, Inc. Tablet dispenser using a flexible partition. 3,807,601, 4-30-74, Cl. 221-289.000.
Frankenberg, Henry E.; and Peyser, Harry A., to Continental Can Company, Inc. Plastic container. 3,811,597, 5-21-74, Cl. 220-60.00r.
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Frankenfeld, John W.; and Miller, Sanford A., to Esso Research and Engineering Company. High energy food supplements comprising linear aliphatic 1,3-diols. 3,791,241, 2-12-74, Cl. 99-2.00r.
Frankenfeld, John W.; Karel, Marcus; Labuza, Theodore P.; and Sinskey, Anthony J., to Esso Research and Engineering Company. Aliphatic diols and their esters as antimicrobial additives for cheese and meats. 3,806,615, 4-23-74, Cl. 426-328.000.
Frankenfeld, Klaus: *See—*
Beltz, Klaus; Frankenfeld, Klaus; and Gotzmann, Karl, 3,784,678.
Frankenthal, Luigi, to Dow Corning Corporation. Device for hernia correction. 3,810,467, 5-14-74, Cl. 128-95.000.
Frankeny, Richard F.; and Johnson, Sidney D., to International Business Machines Corporation. Apparatus and method for monitoring the operation of tested units. 3,794,831, 2-26-74, Cl. 340-172.500.
Frankfort, Hans R. E.; and Lyons, Peter F., to Du Pont de Nemours, E. I., and Company. Crimped polyester filament yarn and process for making same. 3,816,992, 6-18-74, Cl. 57-140.00r.
Frankfurt, Sandor: *See—*

Martin, Richard E.; Gildone, Anthony M.; and Frankfurt, Sandor, 3,822,716.
Frankfurth, Gunther; Wieser, Werner; and Handle, Rainer, to Rieter-Werk Dipl.-Ing. Walter Handle GmbH. Extrusion press for processing viscous materials especially clay or clay-like materials. 3,817,498, 6-18-74, Cl. 259-192.000.
Frankiewicz, Gerhard: *See—*
Nagel, Erich; Engelage, Guenter; Himmelsbach, Lothar; and Frankiewicz, Gerhard, 3,799,022.
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Frankland, John T.; and McLaughlin, Richard J. Electrical combination lock apparatus. 3,829,834, 8-13-74, Cl. 340-149.00r.
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Frankle, Gerhard, to Daimler-Benz Aktiengesellschaft. Automatic flame-starting installation in particular for multi-fuel internal combustion engines. 3,809,045, 5-7-74, Cl. 123-179.000.
Frankle, Helmut; and Schmalzriedt, Fritz, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Apparatus for varying sealing pressures on abutting wall parts, particularly of liquid fuel rocket engines from the exterior of such engines. 3,81,468, 12-3-74, Cl. 60-258.000.
Franklin, Allen R. Adjustable storage rack. 3,850,303, 11-26-74, Cl. 211-134.000.
Franklin, Benjamin S.: *See—*
Curley, John L.; Franklin, Benjamin S.; Martland, Wallace A.; Donahue, Thomas; and Cornaro, Louis V., 3,796,996.
Curley, John L.; Donahue, Thomas J.; Martland, Wallace A.; and Franklin, Benjamin S., 3,820,078.
Curley, John L.; Donahue, Thomas J.; Franklin, Benjamin S.; Martland, Wallace A.; and Cornaro, Louis V., 3,821,709.
Nibby, Chester M.; Manton, John C.; Franklin, Benjamin S.; and Curley, John L., 3,814,922.
Franklin, Chester A.; and Spector, George. Behind mirror focus light gathering device. 3,817,605, 6-18-74, Cl. 350-294.000.
Franklin Electric Co., Inc.: *See—*
Haifley, William E.; Kennerk, Robert D.; and Woods, Richard E., 3,815,898.
Schaefer, Edward J., 3,842,298.
Streater, August L., 3,849,704.
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Franklin, Ernest: *See—*
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Franklin, Ernest, to United Kingdom Atomic Energy Authority. Stirling cycle heat engines. 3,802,196, 4-9-74, Cl. 60-519.000.
Franklin, Ernest. Two piece double walled container. 3,847,494, 11-12-74, Cl. 403-345.000.
Franklin, Frederick C.: *See—*
Ellis, John R. B.; and Franklin, Frederick C., 3,817,724.
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Franklin Institute, The: *See—*
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Franklin, James W.; Wells, David R.; and Schell, Elmer H., said Wells and said Schell assors. to Form-Eze Systems, Inc. Form system utilizing cone flanges, form ties, and form locks. 3,806,080, 4-23-74, Cl. 249-213.000.
Franklin, James W. Spacer elements for corner farming system. 3,822,858, 7-9-74, Cl. 249-194.000.
Franklin, James W. Truss system. 3,826,057, 7-30-74, Cl. 52-641.000.
Franklin, Kenneth John; and Bates, Keith, to Medical Alginates Limited. Manufacture of alginic material. 3,824,997, 7-23-74, Cl. 128-156.000.
Franklin Key, Inc.: *See—*
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Franklin Manufacturing Company: *See—*
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Franklin, Mark E.; and Schmidt, James R. Impression syringe. 3,854,209, 12-17-74, Cl. 32-60.000.
Franklin, Mark E.; and Schmidt, James R. Matrix and retainer therefor. 3,854,210, 12-17-74, Cl. 32-63.000.
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Franklin, Richard W.: *See—*
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Franklin, William E.; and Rowland, Stanley P., to United States of America, Agriculture. Recurable crosslinked cellulose fabrics from methylol reagents and polycarboxylic acids and method of making. 3,854,866, 12-17-74, Cl. 8-116.00r.
Franklyn, Robert Alan. Pneumatic chest exerciser. 3,836,141, 9-17-74, Cl. 272-79.00c.
Franklyn, Stanley: *See—*
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Franko-Filipasic, Borivoj Richard; and Start, John Francis, to FMC Corporation. Liquid products produced by reaction of phosphonitrilic esters with phosphoric anhydride. 3,836,599, 9-17-74, Cl. 260-927.00n.
Franko-Filipasic, Borivoj Richard; Orwoll, Edward Francis; and Start, John Francis, to FMC Corporation. Process for self condensing phosphonitrilic chloresters and product. 3,836,608, 9-17-74, Cl. 260-926.000.
Franko-Filipasic, Borivoj Richard; and Start, John Francis, to FMC Corporation. Polymerization of chlorophosphazene esters with polyfunctional organic hydroxy compounds. 3,840,621, 10-8-74, Cl. 260-927.00n.
Franko-Filipasic, Borivoj Richard; Orwoll, Edward F.; and Patel, Vithal C., to FMC Corporation. Polymeric phosphazenes and process for making same. 3,845,167, 10-29-74, Cl. 260-927.00n.
Frankort, Martinus Petrus Carolus Gerardus Maria; De Gier, Nico; Hulst, Aloysius Petrus Albertus Johannes; and De Jong, Martijn, to U.S. Philips Corporation. Method for the ultrasonic welding of wires on the metal surface of a support. 3,822,465, 7-9-74, C. 29-470.100.
Franks, Aud J. Bobbin creel. 3,794,261, 2-26-74, Cl. 242-131.000.
Franks, Aud J.; and Johnson, Will A. Pattern control for tufting machines. 3,835,797, 9-17-74, Cl. 112-79.00a.
Franks, Charles R.: *See—*
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Franks, Douglas G. K.; and Sage, Ira H., to Production Technology, Inc. Twin-spindle inertia welding machine. 3,800,995, 4-2-74, Cl. 228-2.000.
Franks, John T., Jr.: *See—*
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Franks, Joseph. Ion sources. 3,784,858, 1-8-74, Cl. 313-63.000.
Frankus, Ernst: *See—*
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Frannea, Joseph M., to Mobil Oil Corporation. Method and apparatus for collecting digital transducer signals. 3,803,362, 4-9-74, Cl. 179-15.00a.
Franquet, Jacques, to Ste dite: Electronique Marcel Dassault. High frequency phase shift oscillator utilizing frequency dependent transistor phase shifts. 3,795,871, 3-5-74, Cl. 331-45.000.
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Franse, Albert D., to Petrolite Corporation. Solids removal process. 3,799,855, 3-26-74, Cl. 204-188.000.
Franse, Albert D., to Petrolite Corporation. Waterless desalting process. 3,799,856, 3-26-74, Cl. 204-188.000.
Franse, Albert D., to Petrolite Corporation. Electrofilter system. 3,799,857, 3-26-74, Cl. 204-188.000.
Franse, Albert D.; and Watson, Frederick D., to Petrolite Corporation. Treatment of petroleum distillates containing naphthenic acids. 3,806,437, 4-23-74, Cl. 204-190.000.
Franson, Ivan A.: *See—*
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Franssen, Nico Valentinus, to U.S. Philips Corporation. Apparatus for producing tones of a musical scale. 3,808,345, 4-30-74, Cl. 84-1.010.
Frant, Martin: *See—*
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Frantti, Paul R. Hockey practice apparatus. 3,856,298, 12-24-74, Cl. 273-1.00b.

Frantz, Robert Houston, to AMP Incorporated. Electrical connecting device for service outlet. 3,848,220, 11-12-74, Cl. 339-32.00r.

Frantz, Robert J.: *See—*
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Frantzen, John J.; and Lund, Charles M., to Buckbee-Mears Company. System suitable for controlling etching without the aid of an etchant resistant. 3,788,912, 1-29-74, Cl. 156-6.000.

Frantzen, John J.; and Mikkola, Clifford J., to Buckbee-Mears Company. Method of reducing the diameter of apertures. 3,808,107, 4-30-74, Cl. 204-24.000.

Franz, Dieter: *See—*
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Franz, Dietmar; and Schmitt, Wilhelm, to Freudenberg, Carl, Kommanditgesellschaft. Sealing arrangement. 3,854,732, 12-17-74, Cl. 277-58.000.

Franz, Edmund C.: *See—*
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Franz, Edmund C., to Aluminum Company of America. Aluminum alloy architectural sheet product and method of producing. 3,827,952, 8-6-74, Cl. 204-29.000.

Franz, Eglseer: *See—*
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Franz, Helmut, to PPG Industries, Inc. Squeegee shield. 3,782,328, 1-1-74, Cl. 118-118.000.

Franz, Helmut, to PPG Industries, Inc. Angled crossfire rinses. 3,793,054, 2-19-74, Cl. 117-47.00r.

Franz, Helmut; and Crissman, Roy G., to PPG Industries, Inc. Catalytic sensitization of substrates for metallization. 3,798,050, 3-19-74, Cl. 117-47.00a.

Franz, Helmut, to Boehringer Ingelheim, GmbH. Device for spraying liquid pharmaceuticals. 3,820,698, 6-28-74, Cl. 222-205.000.

Franz, Helmut, to PPG Industries, Inc. Selective reflecting metal/metal oxide coatings. 3,846,152, 11-5-74, Cl. 117-33.300.

Franz, Henry H. Container filling apparatus. 3,799,222, 3-26-74, Cl. 141-291.000.

Franz, Henry H. Container filling apparatus. 3,848,645, 11-19-74, Cl. 141-117.000.

Franz, James H., Jr., to Westinghouse Electric Corporation. Oscillator circuit for providing a failsafe direct current voltage output in response to a periodic signal input. 3,842,334, 10-15-74, Cl. 321-2.000.

Franz, John E., to Monsanto Company. N-phosphonomethyl-clycine phytotoxicant compositions. 3,799,758, 3-26-74, Cl. 71-86.000.

Franz, John E., to Monsanto Company. Dicarbamoyl hydroxamates. 3,836,572, 9-17-74, Cl. 260-472.000.

Franz, John E., to Monsanto Company. Regulating plants with N-phosphonomethylglycine and derivatives thereof. 3,853,530, 12-10-74, Cl. 71-76.000.

Franz, Karl; and Christigau, Hermann, to Siemens Aktiengesellschaft. Vacuum image converter. 3,846,654, 11-5-74, Cl. 313-94.000.

Franz, Karl; Christgau, Hermann; and Stachowiak, Aribert, to Siemens Aktiengesellschaft. Photocathode having an intermediate layer between its carrier and its luminous layer. 3,852,632, 12-3-74, Cl. 313-380.000.

Franz, Maurice F.: *See—*
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Franz, Norman C. Means for sealing fittings and nozzle assemblies at extremely high fluid pressures. 3,851,899, 12-3-74, Cl. 285-95.000.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.: *See—*
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Franz, Raymond A., to Monsanto Company. Production of vinyl substituted aromatics from methyl substituted aromatics. 3,816,432, 6-11-74, Cl. 260-290.000.

Franz, Robert W.; and Zielnicki, John J., to Cam-Fram Tool Co., Inc. End enclosure for transformers. 3,810,057, 5-7-74, Cl. 336-98.000.

Franz, Rudolph J.; Freismuth, John S.; and Benedetti, Nello L.; deceased (by Benedetti, Lena; executor), said Franz and said Freismuth assors. to Eaton Corporation. Emissions reduction vacuum control valve. 3,789,811, 2-5-74, Cl. 123-117.00a.

Franz, Rudolph J., to Eaton Corporation. Temperature control system and vacuum modulator valve therefor. 3,831,841, 8-27-74, Cl. 236-13.000.

Franz, Viehbock: *See—*
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Hess, Howard V.; Franz, William F.; and Cole, Edward L., 3,855,069.

Franz, William F., to Hess, Howard V. and Cole, Edward L. Minimizing sulfur oxidation in pulping liquor reconstitution. 3,816,240, 6-11-74, Cl. 162-31.000.

Franzen, G.; Hillenkamp, Franz; Kaufman, Raimund; and Remy, Ernst, to Remy, Ernst. Method for evaporating, destroying, exciting and/or ionizing specimen material limited to micro-regions and arrangement for carrying out this method. 3,813,544, 5-28-74, Cl.250-281.000.

Franzen, Gustav; and Nimtz, Klaus, to Palitex Project-Company GmbH. Sound reducing housings in textile yarn processing machines. 3,782,087, 1-1-74, Cl. 57-1.00r.

Franzen, Gustav, to Palitex Project-Company GmbH. Apparatus for pneumatically stopping spindle assemblies of a textile yarn processing machine in a predetermined position. 3,805,504, 4-23-74, Cl. 57-34.00r.

Franzen, Gustav; and Veltges, Helmut, to Palitex Project-Company GmbH. Pneumatic apparatus for mounting and threading portable manually operated yarn knotter mechanisms on yarn processing machines. 3,820,315, 6-28-74, Cl. 57-34.00r.

Franzen, Gustav, to Palitex Project-Company GmbH. Apparatus for re-positioning the spindle rotor and for actuating pneumatic threading mechanisms of a textile yarn processing machine. 3,834,144, 9-10-74, Cl. 57-34.00r.

Franzen, Gustav, to Palitex Project-Company GmbH. Drive means for knotter mechanism of a textile yarn processing machine. 3,838,875, 10-1-74, Cl. 289-18.000.

Franzen, Gustav, to Palitex Project-Company GmbH. Apparatus for positioning, stopping and locking of a service carriage mechanism of a textile yarn processing machine. 3,842,577, 10-22-74, Cl. 57-34.00r.

Franzen, Gustav, to Palitex Project-Company GmbH. Suction mechanisms for yarn processing machines. 3,842,580, 10-22-74, Cl. 57-34.00r.

Franzen, Jochen: *See—*
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Franzen, Volker: *See—*
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Frassica, James J., to Bard, C. R., Inc. double seal closure plug. 3,826,396, 7-30-74, Cl. 215-234.000.

Frasure, James W., to Dow Chemical Company, The. Low speed linear induction motor reaction rail. 3,799,436, 3-26-74, Cl. 238-122.000.

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Frater, Georg, to Hoffmann-La Roche Inc. Process for obtaining seychellene. 3,839,476, 10-1-74, Cl. 260-666.0py.

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Frazier, Lauren, to General Electric Company. Ice maker. 3,828,568, 8-13-74, Cl. 62-186.000.

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Frazier, Melvin A., to Collins Radio Company. Voltage standing wave ratio detecting and adjusting apparatus. 3,842,358, 10-15-74, Cl. 329-129.000.

Frazier, Van L., Sr. Air ride suspension for trucks. 3,784,221, 1-8-74, Cl. 280-124.00f.

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Freccero, Renato; and Dolei, Silvano, to Major S.p.A. Automatic two-part control device for ball point pens and similar writing instruments. 3,810,701, 5-14-74, Cl. 401-110.000.

Frech, Anton. Resiliently supported aerial cableway car. 3,797,409, 3-19-74, Cl. 105-148.000.

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Frederick, Cecil S.; and Smith, Hoyt L., to Cutters Machine Company, Inc. Tensionless cloth feeding apparatus for cloth spreading machine. 3,782,649, 1-1-74, Cl. 242-67.200.

Frederick, Cecil S., to Cutters Machine Company, Inc. Winding mechanism for cloth spreading machine. 3,817,513, 6-18-74, Cl. 270-31.000.

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Freeman, Gerald R. Waffle baking apparatus. 3,799,047, 3-26-74, Cl. 99-332.000.
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Baxter, Gene F.; Freeman, Harlan G.; and Tiedeman, George T., 3,784,516.
Freeman, Harlan G.; Baxter, Gene F.; and Graham, George, to Weyerhaeuser Company. Rapid curing resin compositions comprising the reaction product of aldehyde condensation polymer with a primary aromatic amine further reacted with. 3,784,515, 1-8-74, Cl. 26-51.500.
Freeman, Harlan G.; Baxter, Gene F.; and Tiedeman, George T., to Weyerhaeuser Company. Rapid curing resin compositions comprising a phenol-aldehyde condensation polymer modified with an aminonaphthalene. 3,786,025, 1-15-74, Cl. 260-51.500.
Freeman, Harold. Violin in the form of a baseball bat. 3,853,032, 12-10-74, Cl. 84-275.000.
Freeman, Harvey, to Eaton Corporation. Hoist with constant pressure one way brake. 3,825,100, 7-23-74, Cl. 188-71.200.
Freeman, Jeremy Peter: *See—*
Winkley, Albert William; Tannahill, Wilson Hume; and Freeman, Jeremy Peter, 3,794,904.
Freeman, Jerry H., to Phone-Ducs, Inc. Conduit sections. 3,792,878, 2-19-74, Cl. 285-137.00r.
Freeman, Jerry H., to Reflect-O-Lite Manufacturing Company. Light fixture for vehicles. 3,813,535, 5-28-74, Cl. 240-57.000.
Freeman, John Leslie: *See—*
Feasey, Ronald George; and Freeman, John Leslie, 3,810,870.
Freeman, Kenneth, to Audio Synthesisers Limited. Electronic organ with plural master oscillators and plural vibrato oscillators for each note. 3,847,050, 11-12-74, Cl. 84-1.250.
Freeman, Max. Plastic bag fabricating, dispensing and sealing unit. 3,792,770, 2-19-74, Cl. 242-55.530.
Freeman, Michael Horold, to Pilkington P.E. Limited. Optical systems. 3,814,508, 6-4-74, Cl. 350-299.000.
Freeman, Michael Walter. Segmental dies. 3,823,598, 7-16-74, Cl. 72-467.000.
Freeman, Miller L., 1/2 to Ervin, John W. Radiant energy reflectors. 3,796,886, 3-12-74, Cl. 250-493.000.
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Freeman, Raymond; and Hill, Howard D. W., to Varian Associates. Pulse modulated fourier transform magnetic resonance spectrometer utilizing quadrature phase detection and high pass filter to eliminate undesired strong resonance lines. 3,824,451, 7-16-74, C. 324--.50r.
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Freeman, Robert L.: *See—*
Diehl, Robert J.; and Freeman, Robert L., 3,838,705.
Freeman Supply Company, The: *See—*
Burkert, Edward F.; and Guinn, Paul A., 3,857,435.
Rusk, Gerald R.; and Koch, Robert E., 3,789,912.
Freeme, Charles Richard: *See—*
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Freenor, Francis J., III, to Chevron Research Company. N-(s,s-dialkyldithiophospho) ureas. 3,794,699, 2-26-74, Cl. 260-938.000.
Freenor, Francis J. III, to Chevron Research Company. S,S-Dialkyl-N-substituted phosphoroamidodithionites. 3,832,424, 8-27-74, Cl. 260-959.000.
Freeny, Charles C., Jr., to Information Identification Company, Inc. Code element identification method and apparatus. 3,829,833, 8-13-74, Cl. 340-149.00r.
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Morris, Horton H.; and Prescot, Paul I., 3,804,937.
Morris, Horton Harold; Drexel, Richard Jacob, Jr.; and Turner, Kenneth Lamar, 3,804,653.
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Freerks, Marshall C.; and Suda, Michael, to Monsanto Company. Production of maleic anhydride by catalytic oxidation of saturated aliphatic hydrocarbons. 3,832,359, 8-27-74, Cl. 260-346.800.
Freese, Charles E. Heat exchanger for compressed air dryer. 3,818,718, 6-25-74, Cl. 62-272.000.
Freese, Gary P., to Caterpillar Tractor Company. Semi-automatic hydraulic chain adjuster. 3,826,149, 7-30-74, Cl. 74-242.800.
Freese, Martin P. Safety applique. 3,836,420, 9-17-74, Cl. 161-19.000.
Freese, Ronald. Apparatus and method for treating sewage. 3,799,346, 3-26-74, Cl. 210-124.000.
Freeston, W. Denney, Jr.: *See—*
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Freewater, Milton: *See—*
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Freeze, John A., to Westinghouse Electric Corporation. Electrical current monitor which separately indicates individual and sustained current pulses. 3,789,293, 1-29-74, Cl. 324-51.000.
Fregeolla, Oscar, to Pilot Research Corporation. Seamless garment with partial and full course fashioning and method. 3,802,229, 4-9-74, Cl. 66-177.000.
Fregeolle, Oscar, to Pilot Research Corporation. Fabric slitting method and apparatus for circular knitting machine. 3,834,191, 9-10-74, Cl. 66-147.000.
Fregnan, Gian Carlo: *See—*
Bernardi, Luigi; De Castiglione, Roberto; Fregnan, Gian Carlo; and Goffredo, Onofrio, 3,792,032.
Frehe, Dieter. Engine cooling system. 3,841,278, 10-15-74, Cl. 123-41.610.
Frehn, Fritz, to Deutsche Edelstahlwerke GmbH. Welding hard metal composition. 3,819,364, 6-25-74, Cl. 75-122.000.
Frehn, Gunter: *See—*
Derich, Josef; Kamp, Heinz; and Frehn, Gunter, 3,832,868.
Frei, Armin H.; Schindler, Hans R.; and Vettiger, Peter, to International Business Machines Corporation. Method and device for coding and decoding video signals. 3,825,832, 7-23-74, Cl. 325-38.00b.
Frei, Arthur: *See—*
Preisig, Roland; and Frei, Arthur, 3,826,348.
Frei, Askar; and Iten, Oskar, to Brown Boveri-Sulzer Turbomachinery Limited. Cooled guide blade for a gas turbine. 3,807,892, 4-30-74, Cl. 415-116.000.
Frei, Ephraim H.; and Yerushalmi, Shmuel, to Yeda Research and Development Co. Ltd. Gastrointestinal catheter. 3,794,041, 2-26-74, Cl. 128-348.000.
Frei, Ernst, to Conrad Kern AG. Telescopic mast. 3,818,657, 6-25-74, Cl. 52-115.000.
Frei, Ernst, to Pieren, Hermann, AG. Shell for apparatuses working in sound-absorbing, heat insulating or airtight conditions. 3,854,261, 12-17-74, Cl. 52-404.000.
Frei, Hans, to Sulzer Brothers Ltd. Apparatus to prevent overspeeding of a combination including a supercharged steam generator, a gas turbine and a compressor. 3,795,816, 3-5-74, Cl. 290-40.00b.
Frei, Paul, to Sulzer Brothers Ltd. Feed water control in forced circulation steam generators. 3,828,738, 8-13-74, Cl. 122-504.200.

Freiberg, Ashley Herman; and Broadbent, David James, to Stauffer Chemical Company. Stabilized aqueous suspension of phthalimidomethyl mono thio- or dithio-phosphates or phosphonates. 3,846,547, 11-5-74, Cl. 424-200.000.
Freiberg, Robert J.: *See*—
Buczek, Carl J.; Chenausky, Peter P.; and Freiberg, Robert J., 3,824,487.
Freiburg, Hans Keller; and Schultz, Wolfgang, to ITT Industries, Inc. Method and apparatus for synchronizing the balance system of clocks or wrist watches. 3,818,376, 6-18-74, Cl. 331-116.00m.
Freid, Wilbert Bernard, to General Electric Company. Load distributing thrust mount. 3,844,115, 10-29-74, Cl. 60-39.310.
Freidel, Kenneth L.; and Sushok, John R. Bagging machine. 3,807,129, 4-30-74, Cl. 53-188.000.
Freier, Edward, Jr., to Simplicity Manufacturing Company. Air cooled shuttle clutch transmission. 3,789,684, 2-5-74, Cl. 74-230.17d.
Freier, Gerald W., Sr., to Neenah Foundry Company. Load carrier with dual pin suspension. 3,854,573, 12-17-74, Cl. 198-177.00r.
Freier, Saul: *See*—
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Self, Kenneth W.; Chew, Norman B.; and Twyman, Bill T., 3,791,664.
Self, Kenneth W.; Crew, Norman B.; and Twyman, Bill I., 3,806,159.
Freihammer, Francis A., 1/4 to Burns, John T. Fishing rod and reel. 3,803,745, 4-16-74, Cl. 43-20.000.
Freiheit, Frederick E., to FMC Corporation. Valve assembly. 3,830,255, 8-20-74, Cl. 137-543.190.
Freihube, Walter P.: *See*—
Janus, Alan R.; Fletcher, Peter C.; Ridosh, Michael H., Jr.; and Freihube, Walter P., 3,853,648.
Freiling, Albert J. Detachable rear sight for shotguns having flat sided receivers. 3,840,995, 10-15-74, Cl. 33-233.000.
Freiman, Aaron, to M & T Chemicals Inc. Coating composition. 3,845,005, 10-29-74, Cl. 260-33.60a.
Freimanis, Laimons, to Bell Telephone Laboratories, Incorporated. Commincation line supervisory circuit. 3,851,108, 11-26-74, Cl. 179-18.00f.
Freisberg, Karl-Otto: *See*—
Irmscher, Klaus; Kramer, Josef; Cimbollek, Gerhard; Orth, Dieter; Nowak, Herbert; and Freisberg, Karl-Otto, 3,829,421.
Irmscher, Klaus; Freisberg, Karl-Otto; Orth, Dieter; Nowak, Herbert; and Simane, Zdenek, 3,836,527.
Freiser, Marvin J., to International Business Machines Corporation. Fast turn-off nematic liquid optical devices. 3,857,629, 12-31-74, Cl. 350-160.0lc.
Freismuth, John S.: *See*—
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Freismuth, Richard J.; and Johnson, Thomas R., to Ford Motor Company. Supplemental pulldown mechanism for carburetor automatic choke. 3,831,567, 8-27-74, Cl. 123-119.00f.
Freismuth, Richard J., to Ford Motor Company. Carburetor choke altitude compensation. 3,831,909, 8-27-74, Cl. 261-39.00a.
Freismuth, Richard J.; and Pruchno, Albert A., to Ford Motor Company. Altitude and temperature compensated carburetor. 3,841,612, 10-15-74, Cl. 261-23.00a.
Freitag, Dieter: *See*—
Buysch, Hans-Josef; Freitag, Dieter; and Krimm, Heinrich, 3,808,279.
Krimm, Heinrich; Freitag, Dieter; and Boie, Immo, 3,829,462.
Freitag, Dieter; Haberland, Ulrich; and Krimm, Heinrich, to Bayer Aktiengesellschaft. 1,4-Bis(4',4"-dihydroxy-triphenyl-methyl) benzene. 3,799,953, 3-26-74, Cl. 260-395.000.
Freitag, Herbert: *See*—
Dorner, Nikolaus; and Freitag, Herbert, 3,828,651.
Freitag, Herbert, to Stabilus Industrie- und Handelsgesellschaft mbH. Supporting element of adjustable length. 3,787,019, 1-22-74, Cl. 248-188.200.
Freitag, Herbert, to Stabilus GmbH. Piston rod seal for adjustable pneumatic spring. 3,856,287, 12-24-74, Cl. 267-64.00r.
Freitas, Antone, Jr. Mounting and support device for a rotary machine. 3,834,657, 9-10-74, Cl. 248-23.000.
Freitas, Manuel P.; and Laeser, Bernard P., to Foxboro Company, The. Industrial control system utilizing high speed digital computer. 3,798,424, 3-19-74, Cl. 235-150.100.
Freiwald, Edward S.; and Thomson, Ronald E., to Rexnord Inc. Structurally balanced plastic conveyor chain. 3,804,232, 4-16-74, Cl. 198-195.000.
Freize, Ronny G.; and Ferguson, George R., to Murphy, G. W., Industries, Inc. Pulsed metering lubricator. 3,837,431, 9-24-74, Cl. 184-7.00d.
Frejd, Bo: *See*—
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Frejd, Walter T. Pool device for handicapped players. 3,836,145, 9-17-74, Cl. 273-23.000.
Frel, Jorg; Morel, Charles J.; and Wacker, Oskar, to Ciba-Geigy Corporation. Aryloxy- and arylthioalkanoic acids and esters and salts thereof. 3,784,602, 1-8-74, Cl. 260-346.02m.
Fremand, Michel: *See*—
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Fremont, Claude Francis Fernand Yves: *See*—
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Fremont, Maurice Henri Louis: *See*—
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Rouyer, Georges Aimable Theophile; and Fremont, Maurice Henri Louis, 3,834,199.
Fremont, Robert Emil; Guertin, Alfred Thomas; Fay, Charles Robert; and Stinson, John William, to Formica Corporation. Method and apparatus for controlling a material treater. 3,845,287, 10-29-74, Cl. 235-151.100.
Frempter, Wayne W., to Rain Jet Corporation. Liquid discharge nozzle having cylindrical internal liquid flow director means. 3,784,101, 1-8-74, Cl. 239-17.000.
Frenandez-Moran, Humberto. Ultra thin sectioning with ultra sharp diamond edge at ultra low temperature. 3,803,958, 4-16-74, Cl. 83-15.000.
French, David W.: *See*—
Semprevivo, Ralph; Andrews, Donald W.; Clark, Richard L.; and French, David W., 3,847,418.
French, David Walter: *See*—
Daniel, Leonard Irving; Sadler, Thomas H.; Nawn, John F.; and French, David Walter, 3,819,210.
French, David Walter, to Johns-Manville Corporation. Plastic pipe thrust resistant joint. 3,813,115, 5-28-74, Cl. 285-92.000.
French, Douglas M.: *See*—
Palmieri, Joseph; and French, Douglas M., 3,835,454.
French, Heinz; Albrecht, Konrad; and Schafer, Eugen, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Storable highly concentrated pesticides and process for their manufacture. 3,791,811, 2-12-74, Cl. 71-120.000.
French, Hollis E., to Itek Corporation. Photographic reflex process. 3,804,623, 4-16-74, Cl. 96-47.000.
French, Horace Edgar, III; and Smith, Harold F., to UMC Industries, Inc. Heat exchange unit. 3,834,180, 9-10-74, Cl. 62-417.000.
French, James C.; Anderson, Lucia E.; Bunge, Richard H.; and Howells, John D., to Parke, Davis & Company. Polyamine compounds and methods for their production. 3,795,668, 3-5-74, Cl. 260-210.0ab.
French, John B., to Compac Corporation, mesne. Label applicator support structure. 3,806,395, 4-23-74, Cl. 158-497.000.
French, John Michael, to Measurex Corporation. Dual wavelength moisture gauge having automatic gain control. 3,821,553, 6-28-74, Cl. 250-339.000.
French, Kenneth W.; Haugsjaa, Paul O.; and Heller, Adam, to GTE Laboratories Incorporated. Electroluminescent solutions. 3,835,345, 9-10-74, Cl. 313-358.000.
French, Michael Joseph. Continuously variable friction drive, having intermediate member engaged on both sides for increased torque transmission. 3,837,233, 9-24-74, Cl. 74-200.000.
French Oil Mill Machinery Company, The: *See*—
Slaby, Robert K.; and Bredeson, Dean K., 3,814,563.
Storm, Robert M., 3,797,383.
French, Park. Swimmer's viewing float. 3,808,621, 5-7-74, Cl. 9-310.00h.
French, Richard Charles, to U.S. Philips Corporation. Privacy transmission system. 3,824,467, 7-16-74, Cl. 325-32.000.
French, Robert L., to Avon, Inc. Method and apparatus employing automatic route control system system. 3,845,289, 10-29-74, Cl. 235-151.200.
French, Thomas, & Sons, Limited: *See*—
Wood, William; Sellers, John; Carroll, Michael; and Griffiths, Mary, 3,799,213.
French, Tom, to Dunlop Limited. Tire tread having drainage chambers. 3,848,651, 11-19-74, Cl. 152-209.000.
French, Tom, to Dunlop Limited. Pneumatic tires. 3,851,691, 12-3-74, Cl. 152-353.000.
Frenck, John Parsons, to Du Pont de Nemours, E. I., and Company. Apparatus for monitoring the corrosion rate of metal by the polarization resistance method. 3,788,962, 1-29-74, Cl. 204-195.00c.
Frenck, John Parsons; and Poole, Edward Gilpin, Jr., to Du Pont de Nemours, E. I., and Company. Kelvin bridge type corrosion measuring probe. 3,854,087, 12-10-74, Cl. 324-65.0cr.
Frendberg, Arthur M.; and Gorzegno, Walter P., to Babcock & Wilcox Company, The. Vapor generator. 3,834,358, 9-10-74, Cl. 122-510.000.
Frenkel, Mark Isaakovich. Direct-flow cylindrical valve. 3,786,833, 1-22-74, Cl. 137-512.150.
Frenkel, Mark Isaakovich. Uniflow valve. 3,823,735, 7-16-74, Cl. 137-512.150.

Frenkel, Mark Isaakovich. Straightway valve. 3,835,883, 9-17-74, Cl. 137-512.100.
Frenkel, Marshall S., to Pan-American Records (Casa Pan Americana) Inc. Display case. 3,784,269, 1-8-74, Cl. 312-136.000.
Frenkel, Richard E.; and Schwartz, Allan E. Game racket. 3,833,218, 9-3-74, Cl. 273-73.00j.
Frenkel, Shiman Tevelievich; Skripko, Gely Fomich; Golub, Georg Froimovich; Prudnikov, Evgeny Leonidovich; and Ganelin, Naum Borisovich. Tool for drilling holes and cutting slots. 3,811,520, 5-21-74, Cl. 175-398.000.
Frenken, Hans: *See*—
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Frenken, Hans; and Wasser, Willi, to Agfa-Gevaert Aktiengesellschaft. Method for continuously progressively deposition a fluid on a flexible substrate surface. 3,793,066, 2-19-74, Cl. 117-237.000.
Frens, Gerrit; Van Den Boomgaard, Jan; and Van Suchtelen, Jaap, to U.S. Philips Corporation. Slotted anode X-ray tube. 3,836,804, 9-17-74, Cl. 313-60.000.
Frenyo, Pal: *See*—
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Frenyo, Pal; Hafer, Karl-Heinz; Karkutt, Reimund; Gormann, Willi; and Pelka, Walter, to Gebr. Eickhoff, Maschinenfabrik und Eisengiesserei m.b.H. Coal plow with individually pivoted blades. 3,785,703, 1-15-74, Cl. 299-34.000.
Frenzl, Otto, to Societe Nationale D'Etude Et De Construction De Moteurs D'Aviation. Nozzle for use in hot liquid ejector pumps, and related process. 3,823,872, 7-16-74, Cl. 239-8.000.
Frenznick, Anton: *See*—
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Freres, Donald E., to Sterling Tool Company. Apparatus for forming perforated embossed sheet metal fin strips for radiators. 3,839,974, 10-8-74, Cl. 113-1.00c.
Frerichs, Peter: *See*—
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Fresard, Marcel: *See*—
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Fresard, Marcel; and Jimenez, Antonio, to Mefina S.A. Arrangement for the adjustment of the heating plate in an electric ironing-press. 3,803,383, 4-9-74, Cl. 219-243.000.
Fresard, Marcel, to Mefina S.A. Assembly comprising a presser foot and a graduated rule. 3,835,798, 9-17-74, Cl. 112-150.000.
Freschard, Regis: *See*—
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Frese, Albert; and Christofzik, Helmut, to Chemische Werke Huls Aktiengesellschaft. Process for the production of bitumen of bitumen-containing mixtures with improved properties. 3,839,190, 10-1-74, Cl. 208-44.000.
Frese, Hans Jurgen: *See*—
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Frese, Ralph L.: *See*—
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Frese, Ralph L. Wheel removal safety device. 3,784,161, 1-8-74, Cl. 254-88.000.
Fresh-Flo Corporation: *See*—
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Freshour, Kenneth D.; and van Dyk, John C.; deceased (by Liberty Natl. Bank & Trust Company; trustee), to Woods Research & Development Corporation. Fluid discharge system. 3,853,271, 12-10-74, Cl. 239-8.000.
Freter, Kurt: *See*—
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Fretwell, Charles C., to MI ², Inc. Computer clock for memory module. 3,821,653, 6-28-74, Cl. 328-62.000.
Fretwell, Richard D.: *See*—
Daniels, Leander Bruce; and Fretwell, Richard D., 3,852,575.
Fretwell, Richard D., to MI ², Inc. Data set control logic. 3,842,207, 10-15-74, Cl. 179-2.0dp.
Fretwell, Richard D.; and Azbell, James W., to Design Elements, Inc. Answer-originate data communication system. 3,852,531, 12-3-74, Cl. 179-2.0dp.
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Freudenberger, Volker; and Jakob, Franz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Tribenzylamine moiety containing polyesters. 3,823,117, 7-9-74, Cl. 260-75.00n.
Freudendahl, Jan, to Jens Axel Freudendahl. Container, especially for agricultural products. 3,837,520, 9-24-74, Cl. 220-1.500.
Freudenschuss, Otto: *See*—
Broeckl, Heinz; Forch, Friedrich; Freudenschuss, Otto; Kez-nickl, Eduard; Patels, Gottfried; and Rollenitz, Leopold, 3,806,244.
Vockenhuber, Karl; Freudenschuss, Otto; and von Belvard, Peter Revy, 3,826,567.
Freudenschuss, Otto, to Vockenhuber, Karl and Hauser, Raimund. Color film scanner with single pick-up tube. 3,823,258, 7-9-74, Cl. 178-5.20d.
Freund, Georg: *See*—
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Freund Inc. Co., Ltd.: *See*—
Motoyama, Shimesu; and Yamada, Shuri, 3,834,347.
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Frevel, Ludo K.; and Kressley, Leonard J., to Dow Chemical Company, The. Alkyl amindosulfinic acid (bis-alkylamine) salts and method for their preparation. 3,843,722, 10-22-74, Cl. 260-501.120.
Frewer, Werner. Artery clamp. 3,825,011, 7-23-74, Cl. 128-346.000.
Frey, Albert J.; and Galantay, Eugene E., to Sandoz-Wander, Inc. Benzobenzazulenes. 3,795,709, 3-5-74, Cl. 260-618.00f.
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Frey, Frederick W., Jr.; and Kobetz, Paul, to Ethyl Corporation. Method for the preparation of beryllium hydride from a dialkyl beryllium solution. 3,816,607, 6-11-74, Cl. 423-645.000.
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Frey, Gerald J.; Wadler, Milton; and Harrison, Paul H. (said Harrison and said Wadler assors. to), 3,820,886.
Frey, Gerald J. Slide projector with non-slipping endless slide holder. 3,799,665, 3-26-74, Cl. 353-109.000.
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Frey, Gunter; Hoflacher, Arthur Nikolaus; and Ebing, Walter, to Knecht Filterwerke Gesellschaft mit beschraenkter Haftung. Apparatus for filtering oil vapors. 3,828,529, 8-13-74, Cl. 55-419.000.
Frey, Irwin K.; and Zola, Charles L. Food warming system with supporting rack structure and food warming appliances. 3,814,900, 6-4-74, Cl. 219-385.000.
Frey, La Verne Lawrence: *See*—
Budych, Irvin; Frey, La Verne Lawrence; and Reefman, William Edward, 3,833,999.
Frey, LaVerne L., to Bunker Ramo Corporation. Mounting for mechanical vibrator. 3,816,778, 6-11-74, Cl. 310-25.000.
Frey, Max. Device for measuring the vertical force required to release a ski boot from a ski heel clamp. 3,830,101, 8-20-74, Cl. 73-133.00a.
Frey, Max. Device for measuring the lateral forces required to release a ski boot from a ski toe clamp. 3,834,223, 9-10-74, Cl. 73-133.00a.
Frey, Otto; Erne, Heinz; and Schellhorn, Hermann, to Atlas Kassenfabrik AG. Emergency door opening system. 3,802,123, 4-9-74, Cl. 49-141.000.
Frey, Otto, to Sulzer Brothers Ltd. Shank for bone implants. 3,848,273, 11-19-74, Cl. 3-1.000.
Frey, Peter J.: *See*—
Lintelmann, Willy; and Frey, Peter J., 3,846,773.
Frey, Richard L.: *See*—
Kendy, Leonard; and Frey, Richard L., 3,845,276.

Frey, Sameul S., to Oakite Products, Inc. Method for avoiding pitting in plating oxide-film-developing metals. 3,785,866, 1-15-74, Cl. 134m3.000.

Frey, Stuart M., to Ford Motor Company. Seat belt system. 3,806,195, 4-23-74, Cl. 297-385.000.

Frey, Sydney W., Jr.; and Gaa, Donald L., to Bourns, Inc. Instrument supporting device. 3,794,278, 2-26-74, Cl. 248-27.000.

Frey, Volker; and Kreiss, Bernhard, to Consortium fur Elektrochemische Industrie G.m.b.H. Process for preparing butanone selectively mono- or dichloro-substituted in 3-position. 3,843,731, 10-22-74, Cl. 260-593.00h.

Frey, Walter: *See*—
Krabetz, Richard; Willersinn, Carl-Heinz; Engelbach, Heinz; Wistuba, Hermann; Lebert, Ulrich; and Frey, Walter, 3,801,634.

Frey, Walter; and Toth, Istvan, to Sandoz Ltd. Separation process. 3,786,073, 1-15-74, Cl. 260-369.000.

Frey, Walter; and Toth, Istvan, to Sandoz Ltd. Process for the production of 1-nitroanthraquinones. 3,836,546, 9-17-74, Cl. 260-369.000.

Frey, Walter; and Yarborough, William, to Sandoz Ltd. Nitration process. 3,836,601, 9-17-74, Cl. 260-369.000.

Frey, Walter C.; Mullender, Claude; and Reinhart, Norman E., to Goodrich, B. F., Company, The. Apparatus for making tires. 3,827,844, 8-6-74, Cl. 425-142.000.

Frey, Werner: *See*—
Felice, Klaus; Sedlmeier, Josef; Gierer, Walter; Frey, Werner; and Wiedemann, Otto, 3,799,886.

Frey, William G., to Thomas & Betts Corporation. Deflectable jumper strip. 3,831,129, 8-20-74, Cl. 339-19.000.

Freya-Plastic & Franz Delbrousk: *See*—
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Freyberger, Alex: *See*—
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Freyermuth, Harlan B.; and Randall, David L., to GAF Corporation. Production of substituted ethers of 2-pyrrolidinones. 3,853,910, 12-10-74, Cl. 260-326.5fl.

Freymond, Pierre, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Cascade throttle. 3,795,173, 3-5-74, Cl. 89-193.000.

Freze, Benjamin H., to Challenge-Cook Bros., Incorporated. Continuous laundry dryer. 3,815,257, 6-11-74, Cl. 34-129.000.

Freze, Benjamin H., to Challenge-Cook Bros., Incorporated. Means for controlling the drying of textiles and reclaiming the liquid therefrom. 3,831,294, 8-27-74, Cl. 34-131.000.

Friauf, Walter S.: *See*—
Peterson, John Ivan; Friauf, Walter S.; and Leighton, Stephen B., 3,854,050.

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Friberg, John Inge Ronnie; and Fritjofsson, Sture Fingal Esaias, to N.V. Veluwse Machine Industrie. Apparatus for cutting of steel cord for tires. 3,813,974, 6-4-74, Cl. 83-155.000.

Friberg, Karl Axel, to Aktiebolaget K.A. Friberg. Artificial leg. 3,800,333, 4-2-74, Cl. 3-21.000.

Friberg, Karl Axel, to Aktiebolaget K.A. Friberg. Arrangement in feet for leg prostheses. 3,800,334, 4-2-74, Cl. 3-23.000.

Frick, Barbara. Outergarment. 3,805,296, 4-23-74, Cl. 2-93.000.

Frick Company: *See*—
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Garland, Milton E., 3,797,265.
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Frick, Douglas Gene: *See*—
Low, William Wayne; Frick, Douglas Gene; and Gancy, Alan Brian, 3,816,094.

Frick, Egon, to Orenstein & Koppel Aktiengesellschaft. Double slewing crane construction. 3,814,264, 6-4-74, Cl. 212-3.000.

Frick, Eric Lionel; and Burchill, Roy Terry, to National Research Development Corporation. Control of fungi. 3,833,736, 9-3-74, Cl. 424-343.000.

Frick, George W., to Cities Service Research & Development Company. Process and apparatus for oil shale retorting. 3,784,462, 1-8-74, Cl. 208-11.000.

Frick, Harold Louis, to Whirlpool Corporation. Ceramic cooktop with a spiralled heating coil element assembly. 3,819,903, 6-25-74, Cl. 219-464.000.

Frick, Heinrich; Halder, Niklaus; and Vogler, Willy, to Hoffmann-La Roche Inc. Method for producing chromanols. 3,789,086, 1-29-74, Cl. 260-345.500.

Frick, Hughie R.: *See*—
Anderson, Richard W.; and Frick, Hughie R., 3,840,603.

Frick, John G., Jr.; and Gautreaux, Gloria A., to United States of America, Agriculture. Method of increasing covering power of knitted cotton fabric. 3,849,066, 11-19-74, Cl. 8-115.500.

Frick, Richard H.: *See*—
Aldinger, Karl E.; Pennau, Karl L.; and Frick, Richard H., 3,810,472.

Frick, Roger L., to Rosemount Inc. Diaphragm construction for differential pressure transducer. 3,793,885, 2-26-74, Cl. 73-398.00c.

Frick, Roger L., to Rosemount Inc. Differntial pressure transducer. 3,800,413, 4-2-74, Cl. 29-592.000.

Fricke, Gerd D.: *See*—
Kutzer, Hans-Joachim; Weinreich, Wolfgang; Harmsen, Lothar; and Fricke, Gerd D., 3,797,712.

Fricke, Gunter: *See*—
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Fricke, Gunter; and Singewald, Arno, to Wintershall Aktiengesellschaft. Process for electrostatic dressing and/or working up of salt and mineral mixtures. 3,802,556, 4-9-74, Cl. 209-9.000.

Fricke, Hans D.: *See*—
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Frickenhaus, Gerrit; Meister, Martin; Pantke, Hellmuth; and Schuffenhauer, Erhard, to Farbenfabriken Bayer Aktiengesellschaft. Agents for improving the fastness to wet processing. 3,790,344, 2-5-74, Cl. 8-165.000.

Frickenhaus, Gerrit; and Otten, Hans Gunter, to Farbenfabriken Bayer Aktiengesellschaft. Treatment of dyed polyamides. 3,844,712, 10-29-74, Cl. 8-165.000.

Fricker, Ludwig, to Daimler-Benz Aktiengesellschaft. Fuel tank for vehicles. 3,804,291, 4-16-74, Cl. 220-85.00r.

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Fricko, John J., to General Motors Corporation. Pneumatic actuator control apparatus. 3,851,867, 12-3-74, Cl. 267-120.000.

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Friday, David G.; and Friday, Philip L. Fruit harvesting apparatus. 3,785,131, 1-15-74, Cl. 56-328.0ts.

Friday, Philip L.: *See*—
Friday, David G.; and Friday, Philip L., 3,785,131.

Fridberg, Jochanan, to Naan Mechanical Works. Part circle sprinklers. 3,796,374, 3-12-74, Cl. 239-232.000.

Fridenberg, Jerry T.: *See*—
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Fridinger, Tomas L.; Mutsch, Edward L.; and Pauly, David R., to Minnesota Mining and Manufacturing Company. Method for plant growth regulation. 3,817,740, 6-18-74, Cl. 71-76.000.

Fridley, Robert B.; and Mehlschau, James J., to University of California, The Regents of the. Tree shaker. 3,796,031, 3-12-74, Cl. 56-328.0ts.

Fridman, Evl Gershkovich: *See*—
Afanasiev, Alexandr Dmitrievich; Lykov, Alexei Gavrilovich; Mogilevsky, Alexandr Moiseevich; Sokolov, Leonid Pavlovich; and Fridman, Evl Gershkovich, 3,789,974.

Fridman, Lev Petrovich: *See*—
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Fridman, Viktor Mironovich: *See*—
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Fridrich, Elmer G., to General Electric Company. Wide angle optical system for uniform planar illumination. 3,833,802, 9-3-74, Cl. 240-41.300.

Fridrich, Elmer G., to General Electric Company. Optical system for providing uniform exposure of a photosensitive surface. 3,848,983, 11-19-74, Cl. 354-1.000.

Fried, David W., to Millar Elevator Industries, Inc. Elevator safety control circuit for preventing elevator door from opening at floor with fire. 3,788,428, 1-29-74, Cl. 187-29.00r.

Fried, George; and Botero, Oscar, to Greiner Scientific Corporation. Multi-channel pump. 3,816,033, 6-11-74, Cl. 417-429.000.

Fried, Harvey, to Sprague-Goodman Electronics, Inc. Precision trimmer capacitor. 3,840,786, 10-8-74, Cl. 317-249.00t.

Fried, Henry B., to Bulova Watch Company, Inc. Watch movement holder. 3,848,484, 11-19-74, Cl. 81-6.000.

Fried, Jean H.: *See*—
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Pfister, Jurg R.; Harrison, Ian T.; and Fried, John H., 3,803,174.
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Fried, John H.; and Harrison, Ian T., to Syntex Corporation. 2-(6'-Methoxy-2'-naphthyl)propionic acid and -i-propanol derivatives having anti-inflammatory analgesic and anti-pyretic activities. 3,787,580, 1-22-74, Cl. 424-308.000.

Fried, John H.; and Harrison, Ian T., to Syntex Corporation. Naphthyl alkanols and derivatives thereof, methods of use thereof, and processes for the preparation thereof. 3,792,167, 2-12-74, Cl. 424-337.000.

Fried, John H., to Syntex Corporation. 9-Oxa-polyhydrophenanthrene-2-carboxylic acids and derivatives thereof. 3,803,178, 4-9-74, Cl. 260-345.300.

Fried, John H.; and Harrison, Ian T., to Syntex Corporation. Naphthyl acetaldehyde derivatives, methods of use thereof and processes for the preparation thereof. 3,821,253, 6-28-74, Cl. 260-340.900.

Fried, John H.; and Harrison, Ian T., to Syntex Corporation. Naphthyl acetaldehyde derivatives; method of use thereof; and processes for the preparation thereof. 3,852,363, 12-3-74, Cl. 260-613.00d.

Fried, John H., to Syntex Corporation. Production of unsaturated carbocyclic ketones. 3,855,247, 12-17-74, Cl. 260-340.900.

Fried, Josef; Pribyl, Edward J.; and Krapcho, Johy, to Squibb, E. R., & Sons, Inc. Bis [Para (amino-loweralkyleneoxy) phenyl] alkanols and the salts thereof. 3,809,720, 5-7-74, Cl. 260-570.00r.

Fried. Krupp Gesellschaft mit beschankter Haftung: *See*—
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Fried, Morton: *See*—
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Fried, Peter I.: *See*—
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Fried, Robert: *See*—
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Friedel, Karlo; Neander, Erich; and Kleist, Hans, to Messer Griesheim GmbH. Flame cutting machine. 3,822,059, 7-2-74, Cl. 266-23.00r.

Friedel, Murray, to Visual Graphics Corporation. Exposing and developing apparatus for photographic composing device. 3,783,756, 1-8-74, Cl. 95-4.500.

Friedel, Rudolf; and Schnitger, Herbert, to Siemens Aktiengesellschaft. X-ray tube. 3,793,549, 2-19-74, Cl. 313-57.000.

Friedel, Rudolf; and Natter, Bernd, to Siemens Aktiengesellschaft. Rotary anode for an X-ray tube. 3,836,808, 9-17-74, Cl. 313-330.000.

Friedell, Peter E. Subepidermal cannular instrument and method for automated determination of bleeding time and blood loss. 3,841,307, 10-15-74, Cl. 128-2.00g.

Friedemann, Andreas Zacharias, to Motoren-Werke Mannheim AG, vorm. Benz ABT Stationarer Motorenbau. Heaters for hot-gas engines. 3,808,815, 5-7-74, Cl. 60-516.000.

Friedemann, Wolfgang; and Germscheid, Hans Gunther, to Henkel & Cie GmbH. Sealing anodized aluminum. 3,838,023, 9-24-74, Cl. 204-35.00n.

Friedenberg, Zachary B.: *See*—
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Friedenreich, Heinrich; Suck, Bernhard; and Reitsch, Juergen, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Conveyor machine for suspensions and viscous materials having a cage-like housing. 3,845,908, 11-5-74, Cl. 241-46.110.

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Friedheim, Ernst A. H. Method of combating filariasis in dogs. 3,856,971, 12-24-74, Cl. 424-297.000.

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Friedl, Wendel M.; Miles, Robert A.; Allen, John W.; and Waiwood, William P., to Johnson Diversified, Inc. Pulse-width modulation control system and discriminator therefor. 3,858,116, 12-31-74, Cl. 325-37.000.

Friedl, Wolfgang, to Eltro GmbH, & Co. Device for amplification of a coherent optical signal. 3,826,992, 7-30-74, Cl. 330-4.300.

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Friedland, Jacques; and Habib, Pierre. Tank for a swimming pool or the like. 3,841,041, 10-15-74, Cl. 52-169.000.

Friedland, Martin: *See*—
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Friedlander, Eirch Siegfried; and Thanawala, Hemesh Laxmidas, to Associated Electrical Industries Limited. Voltage stabilising arrangements. 3,842,342, 10-15-74, Cl. 323-124.000.

Friedlander, Erich Siegfried, to Associated Electrical Industries Limited. A.C. power transmission systems. 3,792,288, 2-12-74, Cl. 307-102.000.

Friedlander, Rudolph. Necklace snap combination. 3,830,080, 8-20-74, Cl. 63-2.000.

Friedli, Hans R.: *See*—
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Friedman, Aaron G.: *See*—
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Friedman, Abraham; and Friedman, Aaron G. Rechargeable flashlight and support stand therefor. 3,825,740, 7-23-74, Cl. 240-10.6ch.

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Friedman, Arthur L., to Electronic Memories & Magnetics Corporation. Multi-bit core read out system. 3,858,190, 12-31-74, Cl. 340-174.0zb.

Friedman, Arthur S.: *See*—
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Friedman, Arthur S. Book indexing means. 3,857,587, 12-31-74, Cl. 283-42.000.

Friedman, Benjamin. Replaceable cartridge hypodermic syringe having sterile maintenance of needle. 3,838,690, 10-1-74, Cl. 128-218.00n.

Friedman, Benjamin; and Adams, Guy E., to Solitron Devices, Inc. Vehicle proximity alerting means. 3,854,119, 12-10-74, Cl. 340-33.000.

Friedman, David; and Segal, Bernard Mortimer, to Singer Company, The. Response system with improved computational methods and apparatus. 3,783,257, 1-1-74, Cl. 235-156.000.

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Friedman, David Warren. Equal probability selection circuit. 3,846,757, 11-5-74, Cl. 340-166.00r.

Friedman, Edward H.: *See—*
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Friedman, Edward H.; and Heyman, Albert M., to Honeywell Information Systems, Inc. High current, regulated power supply with fault protection. 3,816,810, 6-11-74, Cl. 321-19.000.
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Friedman, Harry G., to Medtronic, Inc. Body implantable lead. 3,788,329, 1-29-74, Cl. 128-418.000.
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Friedman, Henry, to Lilly, Eli, and Company. Anthelmintic phenylhydrazones. 3,824,233, 7-16-74, Cl. 260-240.00g.
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Friedman, Jerome D. Electrical circuit for providing automatic alternate switching. 3,814,947, 6-4-74, Cl. 307-41.000.
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Friedman, Moshe; and Herndon, Melvin, to United States of America, Navy. Coherent microwave generators. 3,789,257, 1-29-74, Cl. 315-3.000.
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Friedman, Robert H., to Getty Oil Company. Methods and compositions for recovery of oil. 3,800,872, 4-2-74, Cl. 166-270.000.
Friedman, Robert H., to Getty Oil Company. Methods for selective plugging. 3,811,508, 5-21-74, Cl. 166-288.000.
Friedman, Robert H.; and Krause, Julianne D., to Getty Oil Company. Compositions and methods for stimulating wells by preferentially dissolving refractory organic materials. 3,830,737, 8-20-74, Cl. 252-8.55b.
Friedman, Robert L.; and Lieser, Zeev. Noise cancelling self mixing doppler radar. 3,787,854, 1-22-74, Cl. 343-8.000.
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Yavorsky, Paul M.; Friedman, Sam; and Akhtar, Sayeed, 3,840,456.
Friedman, Sanford J. Animal shield. 3,791,383, 2-12-74, Cl. 128-154.000.
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Friedman, Raymond; Friedman, Sheldon; and Kalamaridis, Anthony, 3,792,672.
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Friedman, Sol. Game apparatus for simulating football, baseball and analogous games. 3,809,405, 5-7-74, Cl. 273-88.000.
Friedman, Sol. Surface projectile target with ball dispensing means. 3,822,887, 7-9-74, Cl. 273-127.00d.
Friedman, Sol. Stop-action sports game. 3,857,565, 12-31-74, Cl. 273-85.00r.
Friedman, Stanley Joel: *See—*
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Friedmann, Alex, Kommanditgesellschaft: *See—*
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Friedmann, Charles Aubrey; Hofer, Peter; and Lange, Winthrop E., to Mundipharma AG. Bis-(phosphorylated anthralin) compounds and process for preparing same. 3,792,129, 2-12-74, Cl. 260-927.00r.
Friedmann, Evan B.: *See—*
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Friedmann, Paul G.; and Cohen, William C., to Leeds & Northrup Company. Adaptive feed forward-feedback control of the concentration of a selected ion of a solution. 3,791,793, 2-12-74, Cl. 23-230.00a.
Friedmann, Paul Garson: *See—*
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Friedrich, Edmund; Moself, Josef; Schaumann, Rolf; and Vogelmann, Manfred, to Brown Boveri & Company Limited. Open-cell rigid foam plastic. 3,853,685, 12-10-74, Cl. 161-161.000.
Friedrich, Egger, to Gebrueder Buehler AG. Rack structure with mobile frames having tiltable buckets. 3,833,133, 9-3-74, Cl. 214-16.40c.
Friedrich, Gerhard; Heck, Gunter; and Schmidt, Adolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Separation of mixtures of vinyl acetate and methanol containing minor amounts of methyl acetate and acetaldehyde by extractive dstillation with an aromatic hydrocarbon. 3,855,078, 12-17-74, Cl. 203-37.000.
Friedrich, Heinz; and Neugebauer, Walter, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of a catalyst suitable for the oxidation of methanol to formaldehyde. 3,843,562, 10-22-74, Cl. 252-469.000.
Friedrich, Hujer: *See—*
Schneider, Horst; Fergg, Berthold; Zahn, Wolfgang; Friedrich, Hujer; and Erich, Nagel, 3,857,220.
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Friedrich, Rene, to VSL Corporation. Method for inserting tendons into sheathing. 3,785,617, 1-15-74, Cl. 254-1.000.
Friedrich Uhde GmbH: *See—*
Matthey, Hermann; Payer, Stefan; and Zirngiebl, Eberhard, 3,785,949.
Walter, Siegfried; and Schindewolf, Ulrich, 3,821,361.
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Friedrichsen, Thomas, to Massillon-Cleveland-Akron Sign Company, The. Pole banner sign construction. 3,824,725, 7-23-74, Cl. 40-125.00g.
Friedrichsen, Wilhelm: *See—*
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Friel, Hanns-Immo; Prag, Rudolf; and Schlichting, Heidi, to Siemens Aktiengesellschaft. Process and device for determining radioactive isotope. 3,790,786, 2-5-74, Cl. 250-71.50s.
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Frielingsdorf, Hans: *See—*
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Frielingsdorf, Hans; Mueller-Tamm, Heinz; Hoehr, Lothar; and Kolk, Erich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of particulate catalyst compositions for the polymerization of olefins. 3,849,334, 11-19-74, Cl. 252-429.00b.
Friemann, Wolfgang; and Proschka, Josef, to Riedl, Adolf, O H G. Protective circuit arrangement for band cutter machines. 3,858,095, 12-31-74, Cl. 317-146.000.
Friend, Aaron D.; Nelson, Gary L.; and Yober, Royce A., to LeTaurneau, R. G., Inc. Reversing control system for electrically powered vehicles. 3,798,520, 3-19-74, Cl. 318-55.000.
Friend Brothers, Inc.: *See—*

Kramer, Franklin; Hayes, Thomas C., Jr.; Fernald, Lorne S.; and Williams, Robert W. (said Kramer, said Fernald and said Williams assors. to), 3,807,293.
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Friend, Gordon Charles; Geach, Charles John; and Groszek, Aleksander Jerzy, to British Petroleum Company, Limited, The. Graphite pellets. 3,842,014, 10-15-74, Cl. 252-447.000.
Friend, Irvin. Filing cabinet. 3,799,639, 3-26-74, Cl. 312-221.000.
Friend, Lindsay C., to Du Pont de Nemours, E. I., and Company. Insulation pierce type connector. 3,820,058, 6-25-74, Cl. 339-99.00r.
Friend, Lindsay C. Singulator device for letter mail. 3,825,248, 7-23-74, Cl. 271-10.000.
Friend, Lindsay Carlton, to Du Pont de Nemours, E. I., and Company. Electrical connector. 3,827,005, 7-30-74, Cl. 339-258.00p.
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Friend, William H.; Natof, Stuart L.; Reiter, Eugene A.; and Eudman, David W., to Union Camp Corporation. Apparatus for combining partition and box blank. 3,813,999, 6-4-74, Cl. 93-37.00r.
Friendship, Kenneth F., to A-T-O Inc. Beverage container filling head. 3,783,912, 1-8-74, Cl. 141-46.000.
Friendship, Kenneth Francis Montague, to Continental Can Company, Inc. Universal filling head. 3,845,791, 11-5-74, Cl. 141-6.000.
Frierman, E. Michael. Floor type billiard game with compensating pocket density arrangement. 3,825,258, 7-23-74, Cl. 273-2.000.
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Fries, Bernard A., to Chevron Research Company. Method of detecting aircraft fuel line leaks with radioactive gas tracers. 3,809,898, 5-7-74, Cl. 250-303.000.
Fries, Bernard A., to Chevron Research Company. Radioactive tracer system to indicate drill bit wear or failure. 3,818,227, 6-18-74, Cl. 250-303.000.
Fries, Bernard A.; and Parker, Charles K., to Chevron Research Company. Radiometric assay of particulate matter in fluids. 3,824,395, 7-16-74, Cl. 250-308.000.
Fries, Bernd, to Ankerwerk Nurnberg GmbH. Material mixing moulding apparatus for use with a mould to shape a plastics material. 3,847,526, 11-12-74, Cl. 425-245.00r.
Fries, Carl J., Jr.; Jones, Walton B.; and Junod, John E., to International Paper Company. Automatic handle applying machine. 3,795,966, 3-12-74, Cl. 29-208.00b.
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Fries, Gunter Karl; and Oberhauser, Ernst-Gunther, to Moeller & Neumann GmbH. Plate trimming shears. 3,795,167, 3-5-74, Cl. 83-514.000.
Fries, Harry L., to Dalco Packaging Corporation. Carton dispenser camming system. 3,782,591, 1-1-74, Cl. 221-213.000.
Fries, Hjalmar Elias, to International Standard Electric Corporation. Check valve for pump or the like. 3,811,469, 5-21-74, Cl. 137-525.100.
Fries, Hjalmar Elias, to ITT Industries, Inc. Treatment for waste water or the like. 3,836,456, 9-17-74, Cl. 210-6.000.
Fries, Ludwig: *See—*
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Fries, Paul; and Moritz, Konrad, to Siemens Aktiengesellschaft. Cooling apparatus for flat semiconductors using one or more heat pipes. 3,792,318, 2-12-74, Cl. 317-234.00r.
Fries, Walter; Hachmann, Klaus; Jung, Dieter; Neuhausen, Peter; and Walter, Dieter, to Henkel & Cie G.m.b.H. Bleaching assistants and the preparation thereof. 3,833,506, 9-3-74, Cl. 252-99.000.
Fries, Walter; Berg, Markus; and Dohr, Manfred, to Henkel & Cie GmbH. Detergent compositions containing a textile softener. 3,844,951, 10-29-74, Cl. 252-8.600.
Fries, William: *See—*
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Fries, William, to Rohm & Haas Company. Selective separation of cyanide from waste streams by adsorption process. 3,788,983, 1-29-74, Cl. 210-28.000.
Friese, Axel; and Simon, Stefan, to Hahn, Carl, Dr., GmbH. Tampon for feminine hygiene. 3,845,767, 11-5-74, Cl. 128-285.000.
Friese, Karl-Hermann; Geier, Heinz; Pollner, Rudolf; and Schallert, Heino, to Bosch, Robert, G.m.b.H. Electro-chemical sensor, particularly for use in the exhaust system of internal combustion engines. 3,841,987, 10-15-74, Cl. 204-195.00s.
Friesem, Albert A.: *See—*
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Friesem, Albert A., to Harris-Intertype Corporation, mesne. Multicolor display. 3,823,412, 7-9-74, Cl. 354-100.000.
Friesen, Dietrich P. Single system sound camera and projector for motion pictures. 3,820,881, 6-28-74, Cl. 352-5.000.
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Friesen, Nicholas, to Happy Horse-Feed Vendors Ltd. Dispenser for feed grains and the like. 3,841,523, 10-15-74, Cl. 222-2.000.
Friesen, Theodore. Self-cleaning endless belt. 3,788,461, 1-29-74, Cl. 198-229.000.
Friesen, Wilmer J.; and Hulet, Frank A., to Hartman, M. W., Manufacturing Company, Inc. Foundry mold jacket and weight shifter. 3,789,914, 2-5-74, Cl. 164-339.000.
Friesner, Charles E., to Industrial Plastic Specialties Company. Apparatus for producing trim strip assembly. 3,813,199, 5-28-74, Cl. 425-113.000.
Frietzsche, Gunter; and Krause, Peter, to Gillet, Paul, GmbH. Device for the purification of waste gases of internal combustion engines. 3,854,888, 12-17-74, Cl. 23-288.00f.
Frietzsche, Gunther; and Krause, Peter, to Gillet, Heinrich, KG, Firma. Sound dampener for a flat engine mounted in the stern of a motor vehicle. 3,827,529, 8-6-74, Cl. 181-33.00d.
Frigidraulic, Inc.: *See—*
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Frisbee, Belmont Jr., to United States of America, Navy. Dual mode radar system. 3,836,966, 9-17-74, Cl. 343-14.000.
Frisbee, Lloyd E. Emergency signal flag. 3,797,450, 3-19-74, Cl. 116-28.00r.
Frisbee, Lloyd E. Boat steering stabilizer. 3,838,660, 10-1-74, Cl. 114-235.0ws.
Frisby, Paul W.; and Stanny, Edward P., to McGraw-Edison Company. Fluid clutch. 3,782,516, 1-1-74, Cl. 192-88.000.
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Frisch, Erling, to Westinghouse Electric Corporation. Rocket engine. 3,817,029, 6-18-74, Cl. 60-203.000.
Frisch, Erling; and Andrews, Harry N., to Westinghouse Electric Corporation. Nuclear reactor internals construction and failed fuel rod detection system. 3,817,829, 6-18-74, Cl. 176-19.0ld.
Frisch, Erling; Andrews, Harry N.; and Haga, Phillip B., to Westinghouse Electric Corporation. Head closure mechanism. 3,830,536, 8-20-74, Cl. 292-256.730.
Frisch, Erling; and Andrews, Harry N., to Westinghouse Electric Corporation. Means for rapidly exposing the core of a nuclear reactor for refueling. 3,836,429, 9-17-74, Cl. 176-29.000.
Frisch, Erling; and Andrews, Harry N., to Westinghouse Electric Corporation. Cable support structure for enabling a nuclear reactor to be refueled rapidly. 3,836,430, 9-17-74, Cl. 176-33.000.
Frisch, Erling; deceased (by Frisch, Dorothy Randall; executrix; and Andrews, Harry N.), to Westinghouse Electric Corporation. Hydraulic head closure mechanism. 3,837,694, 9-24-74, Cl. 292-256.750.
Frisch, Erling; and Andrews, Harry N., to Westinghouse Electric Corporation. Head closure system. 3,851,906, 12-3-74, Cl. 292-256.730.
Frisch, Erling; and Andrews, Harry N., to Westinghouse Electric Corporation. Nuclear reactor having control-rod retaining means. 3,853,699, 12-10-74, Cl. 176-36.00r.
Frisch, Hans-Otto; and Payrhammer, Bernd, to Hannes Marker. Toe- or heel-holding device for safety ski bindings. 3,820,803, 6-28-74, Cl. 280-11.35m.
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Ashida, Kaneyoshi; and Frisch, Kurt C., 3,817,938.
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Frisch, Kurt C.; Reegen, Sidney; and Dieter, Jerry A., to Atlantic Richfield Company. High molecular weight cyclic nitrile adduct compositions. 3,813,365, 5-28-74, Cl. 260-77.50r.

Frisch, Kurt C.; and Ashida, Kaneyoshi. Polyisocyanurate foam and process for producing the same. 3,849,349, 11-19-74, Cl. 260-2.5aw.

Frischmuth, Robert W., Jr.: *See—*
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Frisco, John S.: *See—*
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Frisen, Lars, to Incentive Research & Development AB. Biomicroscopic eye contact glass. 3,820,879, 6-28-74, Cl. 351-1.000.

Frishman, Daniel. Method of packaging of pile fabrics. 3,797,647, 3-19-74, Cl. 206-51.000.

Frishman, Daniel. Apparatus for knitting pile fabric. 3,820,358, 6-28-74, Cl. 66-9.00b.

Frishman, Daniel. Method and apparatus for electrifying pile fabrics. 3,822,447, 7-9-74, Cl. 26-2.00e.

Friske, Warren H.; and Page, John P., to Rockwell International Corporation. Desensitization of alloys to intergranular corrosion. 3,844,846, 10-29-74, Cl. 148-11.50r.

Frisque, Alvin J.: *See—*
Anderson, Donald R.; and Frisque, Alvin J., 3,826,771.
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Frisque, Alvin J., to Nalco Chemical Company. Stable liquid dispersions of water soluble polymers and products produced therefrom. 3,806,485, 4-23-74, Cl. 260-29.6nr.

Frisque, Alvin J., to Nalco Chemical Company. Method of extinguishing oil and gas well fires. 3,856,088, 12-24-74, Cl. 169-46.000.

Frister, Manfred, to Bosch, Robert, G.m.b.H. Fan blade assembly. 3,782,853, 1-1-74, Cl. 416-132.000.

Fristot, Alfred Jean. Collapsible mounting of arms, rods or branches on a central support. 3,801,415, 4-2-74, Cl. 161-24.000.

Fritch, Carl Fowler, Jr.; and Winoker, Joseph A., to Chemetron Corporation. Steady state food freezing process. 3,805,538, 4-23-74, Cl. 62-63.000.

Fritch, Junior L.; and Brandeberry, Don R., to Robinair Manufacturing Corporation. Vacuum pump. 3,791,780, 2-12-74, Cl. 418-60.000.

Fritch, Junior L.; and Brandeberry, Don R., to Robinair Manufacturing Corporation. Multi-stage rotary vacuum pump with separate oil reservoir. 3,837,764, 9-24-74, Cl. 417-62.000.

Fritjofsson, Sture Fingal Esaias: *See—*
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Fritsch, Felix, to Cincinnati Gear Company. Multi-speed transmission. 3,798,999, 3-26-74, Cl. 74-674.000.

Fritsch, Robert A., to Harnischfeger Corporation. Telescopic jib and bearing means therefor. 3,830,376, 8-20-74, Cl. 212-144.000.

Fritsch, Robert E.: *See—*
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Fritsch, Rudolf Paul. Granulator for granulating plastic strands. 3,808,929, 5-7-74, Cl. 83-356.300.

Fritsch, Rudolf Paul, to Scheer, C. F., & Cie, Firma. Granulator for granulating plastic strands. 3,845,681, 11-5-74, Cl. 83-356.300.

Fritsch, Werner: *See→*
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Fritschel, Larry Edwin, to Firestone Tire & Rubber Company The. Syntactic foams and their preparation. 3,856,721, 12-24-74, Cl. 260-2.50b.

Fritts, Rex E.: *See—*
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Fritts, Rex E., to Amana Refrigeration, Inc. Safety interlock system for microwave ovens. 3,816,688, 6-11-74, Cl. 219-100.550.

Fritts, Rex E., to Amana Refrigeration, Inc. High frequency energy generator load simulator circuit. 3,840,810, 10-8-74, Cl. 324-158.00r.

Fritz, Albert W., Jr. Safety apparatus for dump trucks. 3,789,357, 1-29-74, Cl. 340-53.000.

Fritz, Alton L., to Unique Machine Tool Co., Inc. Rotating hammer. 3,798,739, 3-26-74, Cl. 29-235.000.

Fritz, Egon: *See—*
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Fritz, Erich; and Bostrowsky, Daniel, to Thomson-CSF. Adjustable wavelength optical source using the simulated emission effect. 3,787,779, 1-22-74, Cl. 331-94.500.

Fritz, Ernst: *See—*
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Fritz Fuss K.G.: *See—*
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Fritz, Gerald D.: *See—*
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Fritz, Henry E.: *See—*
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Fritz, Hermann: *See—*
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Fritz, James R.; and Channon, Frederick R., to General Electric Company. Nuclear fuel assembly. 3,802,995, 4-9-74, Cl. 176-76.000.

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Fritz, Kurt: *See—*
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Fritz, Robert; and Simon, Werner, to Siemens Aktiengesellschaft. Method of performing service procedures in a computer controlled telecommunication switching center. 3,838,231, 9-24-74, Cl. 179-175.20r.

Fritz, Thomas W.: *See—*
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Fritz, Thomas W.; Gilbo, Charles F.; and Johnson, Norman A., to Armstrong Cork Company. Stapling gun guides. 3,796,364, 3-12-74, Cl. 227-110.000.

Fritz, Walter: *See—*
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Fritz, William Baird; Tiley, John Wayne; and Sanders, Neil Harrison, to AMP Incorporated. RF filters with glass on a substrate. 3,789,263, 1-29-74, Cl. 315-39.510.

Fritz, William Baird; and Reyner, Emerson Marshall, II, to AMP Incorporated. Transmission line balun. 3,846,721, 11-5-74, Cl. 333-26.000.

Fritz, William E., to Youngstown Steel Door Company, The. Pneumatic hopper discharge outlet. 3,797,891, 3-19-74, Cl. 302-52.000.

Fritz, Wolfgang: *See—*
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Fritze, Hans-Joachim F. G. Process for the production of corticated oat kernels and oat flakes. 3,790,690, 2-5-74, Cl. 426-457.000.

Fritze, Hartwig E., to Wyss, Escher, GmbH. Method for removing the fat from fat containing raw materials. 3,832,233, 8-27-74, Cl. 127-68.000.

Fritze, Peter Ernst, to Union Carbide Corporation. Process for preparing ε-thiocaprolactones. 3,786,066, 1-15-74, Cl. 260-327.00r.

Fritzinger, George H. Hand operable tape dispenser and applicator. 3,785,901, 1-15-74, Cl. 156-527.000.

Fritzlen, Thomas L., to Reynolds Metals Company. Clad composites and aluminous metal compositions for cladding. 3,824,083, 7-16-74, Cl. 29-197.500.

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Fritzsche, Donald E., to General Electric Company. Electric broiler. 3,811,375, 5-21-74, Cl. 99-425.000.

Fritzsche, Hellmut; Ovshinsky, Stanford R.; Shaw, Robert F.; Silver, Marvin; and Smejtek , Pavel, to Energy Conversion Devices, Inc. Bi-directional arrangement of amorphous electronic control devices. 3,823,331, 7-9-74, Cl. 307-241.000.

Fritzsche, Helmut: *See—*
Knappstein, Johannes; Fritzsche, Helmut; and Stratmann, Josef, 3,846,250.

Fritzsche, Herbert J.; and Broadley, William D., to United States of America. Mobile ASW target handling kit. 3,805,977, 4-23-74, Cl. 214-86.00r.

Frizelle, Gerald L., to Cook Paint and Varnish Company. Blocked polyurethane powder coating compositions. 3,857,818, 12-31-74, Cl. 260-77.5tb.

Frizelle, William G., to Emerson Electric Co. Flowmeter. 3,842,671, 10-22-74, Cl. 73-209.000.

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Eccleston, Kenneth Thomas; and Frizzell, John George, 3,815,210.

Frizzell, Joseph G.; and Hulme, Jack R., to Halliburton Company. Electronic signal multiplier. 3,796,960, 3-12-74, Cl. 328-20.000.

Frobenius, Wolf D., to Westinghouse Electric Corporation. Charge storage target and method of manufacture having a plurality of isolated charge storage sites. 3,805,126, 4-16-74, Cl. 317-235.00r.

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Froberg, Magnus L.; and Maddux, John F., to Owens-Corning Fiberglas Corporation. Apparatus and method for starting an electric glass melting furnace. 3,842,180, 10-15-74, Cl. 13-6.000.

Frock, Brian G., to National Cash Register Company, The. Sintered cupic oxide masses. 3,783,155, 1-1-74, Cl. 265-65.000.

Froede, Otto: *See—*

Petersen, Harro; Magerkurth, Bernhard; Froede, Otto; and Lelgemann, Ludwig, 3,808,167.

Froehlich, Alfred: *See—*
Loeffel, Hansrolf; Piller, Bernhard; and Froehlich, Alfred, 3,804,630.

Froehlich, Alfred; Oetiker, Alfred; and Schaller, Heinrich, to Ciba-Geigy AG. Photographic material containing nitro compounds for the silver dyestuff bleaching process. 3,782,948, 1-1-74, Cl. 96-73.000.

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Froehling, Paul H.: *See—*
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Froehner, Warren P., to United States of America, Navy. Flare cartridge. 3,782,285, 1-1-74, Cl. 102-32.000.

Froeschmann, Rasmus; and Sprugel, Friedrich, to Optimol-Olwerke GmbH. Sulfur and phosphorus bearing lubricant. 3,840,463, 10-8-74, Cl. 252-42.700.

Frohbach, Hugh F., to Rapifax Company, The. Dynamic shift register for staggered printing head. 3,798,609, 3-19-74, Cl. 340-172.500.

Frohbach, Hugh F., to Stanford Research Institute. Electromechanical sweep generating system with the utilization of photocells. 3,849,698, 11-19-74, Cl. 315-367.000.

Frohberg, Gunther, to Pierburg, A., Auto- und Luftfahrt-Geratebau KG. Diaphragm pump. 3,811,803, 5-21-74, Cl. 417-458.000.

Frohberger, Paul-Ernst: *See—*
Daum, Werner; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Grewe, Ferdinand, 3,794,728.
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Wagner, Klaus; Scheinpflug, Hans; and Frohberger, Paul-Ernst, 3,852,298.
Widdig, Arno; Sasse, Klaus; Grewe, Ferdinand; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Kaspers, Helmut, 3,803,318.
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Frohlich, Alfons, to Opti-Holding AG. Slide fastener stringer with stitched coupling element. 3,783,476, 1-8-74, Cl. 24-205.16c.

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Frohlich, Alfons; and Hochlehnert, Franz, to Opti-Holding A.G. Method of and apparatus for thermofixing of slide-fastener coupling chains. 3,836,413, 9-17-74, Cl. 156-73.000.

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Frohman-Bentchkowsky, Dov, to Intel Corporation. Electrically alterable floating gate device and method for altering same. 3,825,946, 7-23-74, Cl. 357-23.000.

Frohwein, George E.: *See—*
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Froidevaux, Antoninette. Sound-recording apparatus. 3,843,137, 10-22-74, Cl. 274-1.00r.

Froimson, Avrum I. Therapeutic support device. 3,789,842, 2-5-74, Cl. 128-165.000.

Frolich, Karl-Werner: *See—*
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Frolich, Martin. Leak detector. 3,789,297, 1-29-74, Cl. 324-65.00r.

Fromageot, Pierre; Hung, Lam Thanh; and Morgat, Jean-Louis, to Commissariat a l'Energie Atomique. Method of preparation of tritium-labelled proteins. 3,828,102, 8-6-74, Cl. 424-1.000.

Froman, Yigal: *See—*
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Fromel, Gustav, to Siemens Aktiengesellschaft. Spacer for fuel rods of nuclear light-water reactors. 3,819,477, 6-25-74, Cl. 176-76.000.

Froment, Jean C.; and Monrolin, Jean L., to International Business Machines Corporation. N Path filter having two input and n output paths. 3,783,413, 1-1-74, Cl. 332-23.000.

Froment, N. J., & Co.: *See—*
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Fromknecht, Charles T.; and Davis, John C., to Singer Company, The. Vacuum cleaner inlet baffle. 3,820,310, 6-28-74, Cl. 55-447.000.

Fromknect, Charles Thomas; and Harbeck, Martin Edward, to Singer Company, The. Wet/dry suction cleaner. 3,815,172, 6-11-74, Cl. 15-413.000.

Fromm, Bernard W.; Silvestri, Achille; and Jones, Arthur R., Jr., to United States of America, Army. Toxic agent leak detector. 3,854,885, 12-17-74, Cl. 23-254.00r.

Fromm, Ellsworth H.: *See—*
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Fromm, Walter James, to Skil Corporation. Hammer drill. 3,809,168, 5-7-74, Cl. 173-13.000.

Fromme, Firma, GmbH: *See—*
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Fromme, Hans-Georg, to Fromme, Firma, GmbH. Tray conveyor. 3,826,351, 7-30-74, Cl. 198-127.00r.

Fromme, Hans-Georg. Conveyor chain. 3,844,221, 10-29-74, Cl. 104-172.00c.

Fromme, Hans-Georg; and Lehberger, Erich, to Aufzuge, R. Stahl, GmbH. Mono-rail trolley. 3,855,941, 12-24-74, Cl. 105-150.000.

Frommelt, Cyril P.; and Frommelt, Sylvan J., to Dubuque Awning & Tent Company. Loading dock shelters. 3,792,559, 2-19-74, Cl. 52-173.000.

Frommelt, Cyril P.; and Frommelt, Sylvan J., to Dubuque Awning & Tent Company. Loading dock shelter with independently movable head curtain. 3,826,049, 7-30-74, Cl. 52-173.000.

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Frommelt, Cyril P.; and Frommelt, Sylvan J., 3,792,559.
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Frommer, Moshe-Aharon: *See—*
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Frommhold, Karl, to Lever Brothers Company. Margarine fat containing interesterified constituents. 3,796,581, 3-12-74, Cl. 99-125.0mo.

Fromson, Howard A. Light-sensitive structure. 3,839,037, 10-1-74, Cl. 96-35.100.

Fromuth, Harry C., Jr., to Rohm & Haas Company. Polyphenylene ether resins containing a butadiene-acrylic-styrene polymer modifier. 3,792,122, 2-12-74, Cl. 260-876.00r.

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Fronabarger, John W., to Unidynamics/Phoenix, Inc. Igniter composition comprising a perchlorate and potassium hexacyano cobaltate III. 3,793,100, 2-19-74, Cl. 149-77.000.

Fronczak, Ernest T.: *See—*
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Fronius, Sabine: *See—*
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Fronsman, Lewis N.; and Fronsman, Nathan F. Electrolytic regenerator for chemical etchants including scraper means and rotating cathodes. 3,825,484, 7-23-74, Cl. 204-216.000.

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Frontera-Mariani, Rene. Chain lock. 3,797,282, 3-19-74, Cl. 70-49.000.

Frontier Corporation: *See—*
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Frosch, Albert; Jaerisch, Walter; Schmackpfeffer, Arno; and Ziller, Joerg, to International Business Machines Corporation. Method of making totally internally reflected holograms. 3,796,476, 3-12-74, Cl. 350-3.500.

Frosst, Charles E., & Co.: *See—*
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Frost, Charles C.; and Weis, Siegfried K., 3,828,619.
Vandermeulen, Douglas J.; and Weis, Siegfried K., 3,847,455.

Frost, C. L. & Sons Inc.: *See—*
Frost, Charles C.; and Weis, Siegfried K., 3,822,457.
Frost, Charles C.; and Weis, Siegfried K., 3,844,010.

Frost, Calvin S. Recreational device. 3,802,707, 4-9-74, Cl. 273-123.00r.

Frost, Charles C.; and Weis, Siegfried K., to Frost, C. L., & Son Inc. Rotatable member assembly and method for making same. 3,789,683, 2-5-74, Cl. 74-230.800.

Frost, Charles C.; and Weis, Siegfried K., to Frost, C. L. & Sons Inc. Method of making rotatable member assembly. 3,822,457, 7-9-74, Cl. 29-159.00r.

Frost, Charles C.; and Weis, Siegfried K., to Frost, C. L., & Son, Inc. Hub or bearing housing, pulley and method of making the same. 3,828,619, 8-13-74, Cl. 74-230.010.

Frost, Charles C.; and Weis, Siegfried K., to Frost, C. L. & Sons Inc. Method of making a bearing housing assembly. 3,844,010, 10-29-74, Cl. 29-148.40a.

Frost, Darwin N. Vehicle towing device. 3,797,685, 3-19-74, Cl. 214-334.000.

Frost, David S., to Transcanada Pipelines Limited. Method and apparatus for providing speed compensation for information containing signals in which the threshold level of the detector is varied proporational to speed. 3,835,374, 9-10-74, Cl. 324-37.000.

Frost Engineering Development Corporation: *See—*
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Frost, Frank E., to Reed Tool Company. Rotary fluid joint. 3,799,585, 3-26-74, Cl. 285-93.000.

Frost, Jack G.; Knox, John A.; and Martin, Larry D., to Halliburton Company. Method for removing magnetite scale. 3,854,996, 12-17-74, Cl. 134-2.000.

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Frost, John E. Pressure indicator for pneumatic tire wheels. 3,792,677, 2-19-74, Cl. 116-34.00r.

Frost, John R.: *See—*
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Frost, Kenneth A., Jr., to Chevron Research Company. Low-temperature flow improves in fuels. 3,850,587, 11-26-74, Cl. 44-62.000.

Frost, Lawrence W.; and Lee, Pang-Kai, to Westinghouse Electric Corporation. Reverse osmosis membranes from pyrrone polymer precursors. 3,817,386, 6-18-74, Cl. 210-321.000.

Frost, Lawrence W.; and Scala, Luciano C., to Westinghouse Electric Corporation. Method for forming reverse osmosis membranes composed of polyamic acid salts. 3,835,207, 9-10-74, Cl. 264-41.000.

Frost, Lawrence W., to Westinghouse Electric Corporation. Compositions of cyanoimide polymers and heterocyclic polymers made from cyanoimide precursors. 3,836,506, 9-17-74, Cl. 260-47.0cp.

Frost, Lynn Marie. Amusement device having interchangeable components. 3,815,282, 6-11-74, Cl. 46-16.000.

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Frost, Richard H., to Frost Engineering Development Corporation. Gas operated single stroke servo-motor. 3,815,464, 6-11-74, Cl. 83-639.000.

Frost, Robert Ray. Orchard heater. 3,809,057, 5-7-74, Cl. 126-59.500.

Frostick, Harold G., to United States Steel Corporation. Rolling mill control system. 3,798,940, 3-26-74, Cl. 72-8.000.

Frotiee, Jacques. Apparatus capable of being submerged principally for fishing. 3,813,809, 6-4-74, Cl. 43-43.130.

Froumajou, Armand, to Automobiles Peugeot and Regie Nationale des Usines Renault. Transmission assembly in particular for a vehicle. 3,793,897, 2-26-74, Cl. 74-199.000.

Froumajou, Armand; and Chillon, Claude, to Automobiles Peugeot and Regie Nationale des Usines Renault. Automobile vehicle. 3,794,342, 2-26-74, Cl. 280-106.50r.

Fruchte, Donald R., to General Motors Corporation. Vehicle seat. 3,800,343, 4-2-74, Cl. 5-351.000.

Frueh, John J. Brake released throttle holder. 3,820,639, 6-28-74, Cl. 192-3.00t.

Fruehauf Corporation: *See—*
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Fruehauf, Waldo G., to General Signal Corporation. Hydraulic oscillator. 3,786,723, 1-22-74, Cl. 91-284.000.

Fruengel, Frank. Apparatus for measuring visibility in a fluid. 3,817,623, 6-18-74, Cl. 356-103.000.

Fruhauf, Waldemar, to Krone GmbH. PCM coder with compression characteristic. 3,798,637, 3-19-74, Cl. 340-347.0ad.

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Frungel, Frank. Arrangement for determining the density of natural fog in the atmosphere. 3,808,430, 4-30-74, Cl. 250-204.000.

Frungel, Frank. Arrangement for simulating electrically radiation and light from nuclear explosions. 3,808,704, 5-7-74, Cl. 35-1.000.

Frungel, Frank; and Lohse, Horst, said Lohse assor. to said Frungel, Frank. Anti-flash shutter with two compartments. 3,836,233, 9-17-74, Cl. 350-266.000.

Frushour, George Victor; and Nafziger, Marvin Lee, to Lilliston Corporation. Draft tongue and power take-off coupling for peanut combines. 3,800,517, 4-2-74, Cl. 56-208.000.

Frushour, George Victor; and Nafziger, Marvin Lee, to Lilliston Corporation. Clivis hitch assembly. 3,843,160, 10-22-74, Cl. 280-415.00a.

Frushour, George Victor; and Nafziger, Marvin Lee, to Lilliston Corporation. Peanut harvesting machine. 3,846,964, 11-12-74, Cl. 56-16.600.

Fruteau, Pierre: *See—*
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Fruth, Hans; and Muller, Wolfgang, to Siemens Aktiengesellschaft. Shut-off mechanism for low pressure lines connected to high pressure lines in nuclear reactors. 3,825,084, 7-23-74, Cl. 176-65.000.

Fry, Arthur Francis, to Applied Chemicals Pty. Ltd. Foaming system and improved foaming device. 3,823,727, 7-16-74, Cl. 137-88.000.

Fry, Denton E., to Durst Corporation. Drive tower for circular irrigation system. 3,831,692, 8-27-74, Cl. 180-14.00r.

Fry, Douglas James; and Keogh, Patrick Joseph, to Ilford Limited. Production of selenium compounds. 3,824,282, 7-16-74, Cl. 260-551.00r.

Fry, Ella M.: *See—*
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Fry, Peter William, to Integrated Photomatrix Limited. Device for generating a high voltage supply. 3,790,812, 2-5-74, Cl. 307-110.000.

Fry, Peter William, to Integrated Photomatrix Limited. Device for comparing the magnitudes of electrical quantities. 3,812,431, 5-21-74, Cl. 328-137.000.

Fry, Ralph, to Ferro Corporation. Dry process enamel apparatus for bathtubs. 3,802,384, 4-9-74, Cl. 118-310.000.

Fry, William Grant, to Abbott Laboratories. Food flavor composition. 3,821,436, 6-28-74, Cl. 426-213.000.

Fry, William Lawrence, to Rists Wires and Cables Limited. Wiring harnesses. 3,819,848, 6-25-74, Cl. 174-72.00a.

Fryback, Melbourne G., to Sun Oil Company of Pennsylvania. Device for injecting a fluid into a fluidized bed of particulate material. 3,848,811, 11-19-74, Cl. 239-552.000.

Fryd, Michael, to Du Pont de Nemours, E. I., and Company. Cross-linked polyurethanes based on aromatic/aliphatic polyesters. 3,804,810, 4-16-74, Cl. 260-75.0nk.

Frydman, Natan, to Fives Lille-Cail. Steel converter. 3,831,916, 8-27-74, Cl. 266-36.00p.

Frye, Bruce J. Self-securing holding device. 3,856,249, 12-24-74, Cl. 248-205.00a.

Frye, David, to Norco Sales and Manufacturing Company. Dual reversing solenoid operated switch. 3,836,879, 9-17-74, Cl. 335-136.000.

Frye, David J.: *See—*
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Frye, George Joseph. Push-pull amplifier with current mirrors for determining the quiescent operating point. 3,852,678, 12-3-74, Cl. 330-15.000.

Frye, Harold E.; and McMahon, Robert F., to International Business Machines Corporation. Full capacity small size microprogrammed control unit. 3,786,434, 1-15-74, Cl. 340-172.500.

Frye, Howard S. Hitch device. 3,794,357, 2-26-74, Cl. 280-515.000.

Frye, James A.; and Morton, Ralph B., to Boardman Company, The. Carbon black pelletizer. 3,787,161, 1-22-74, Cl. 425-222.000.

Frye, James A.; and Morton, Ralph B., to Boardman Company, The. Safe geometry nuclear fuel powder blender. 3,825,230, 7-23-74, Cl. 259-3.000.

Frye, James A.; and Morton, Ralph B., to Boardman Company, The. Nuclear fuel handling powder container. 3,840,155, 10-8-74, Cl. 222-195.000.

Frye, Kenneth G.; Lucas, Robert G.; Seidel, Kenneth L.; and Rohosy, Soma M., to Beloit Corporation. Web support table. 3,785,232, 1-15-74, Cl. 83-156.000.

Frye, Richard L.: *See—*
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Fryer, Edward R. Seal ring for nuclear reactors. 3,812,008, 5-21-74, Cl. 176-30.000.

Fryer, George L., Jr.; and Gibson, Herman B., Jr., to EDP-ECC Corporation. Programmable trainer. 3,832,790, 9-3-74, Cl. 35-8.00r.

Fryer, Rodney: *See—*
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Fryer, Rodney I.: *See—*
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Fryer, Rodney Ian: *See—*
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Earley, James Valentine; Fryer, Rodney Ian; and Walser, Armin, 3,838,116.

Fryer, Rodney Ian; and Sternbach, Leo Henryk, to Hoffmann-La Roche Inc. 2-Substituted-p-nitro-anilines. 3,795,702, 3-5-74, Cl. 260-500.50h.

Fryer, Rodney Ian; and Walser, Armin, to Hoffmann-La Roche Inc. 1,2-Heterocyclic-1,4-benzodiazepines. 3,796,722, 3-12-74, Cl. 260-306.700.

Fryer, Rodney Ian; and Sternbach, Leo Henryk, to Hoffmann-La Roche Inc. 7-Chloro-5-(2-fluorophenyl)-1-(2-hydroxyethyl)-1,3-dihydro -2H-1,4-benzodiazepin-2-one and esters thereof. 3,819,602, 6-25-74, Cl. 260-239.30d.

Frykhult, Rune, to Aktiebolaget Celleco. Cyclone separator with underflow dilutor. 3,785,489, 1-15-74, Cl. 209-211.000.

Fryklund, Linda; and Porath, Jerker Olof, to Exploaterings Aktiebolaget T.B.F. Protein separation by insoluble, amphoteric ion exchangers. 3,847,889, 11-12-74, Cl. 260-112.00r.

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Moore, Lewis Frank; and Price, George McNair, 3,809,062.

Fryrear, Max D.; and Harmon, James L., to Caterpillar Tractor Company. Bracing arrangement for bulldozer blades. 3,820,610, 6-28-74, Cl. 172-803.000.

Frystak, Richard: *See—*
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Fuch, Alvin J., to Medalist Industries, Inc. Squeegee and flood bar actuator with peeling screen clamp. 3,828,671, 8-13-74, Cl. 101-123.000.

Fuchiwaki, Yutaka; and Nishikaji, Takashi, to Mitsubishi Chemical Industries Limited. Process for preparing a cross-linked porous copolymer. 3,791,999, 2-12-74, Cl. 260-2.50m.

Fuchs, Francis Joseph, Jr., to Western Electric Company, Incorporated. Variable orifice die and control therefor. 3,782,154, 1-1-74, Cl. 72-12.000.

Fuchs, Francis Joseph, Jr.; and Venkatesan, Peruvemba Swaminatha, to Western Electric Company, Incorporated. Extrusion die and method for making the same. 3,793,911, 2-26-74, Cl. 76-107.00r.

Fuchs, Francis Joseph, Jr., to Western Electric Company, Incorporated. High pressure billet extruder. 3,852,986, 12-10-74, Cl. 72-60.000.

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Fuchs, Julius Jakob. Amidinothiocarbamates. 3,823,179, 7-9-74, Cl. 260-468.00e.

Fuchs, Julius Jakob; and Wommack, Joel Benjamin, Jr., to Du Pont de Nemours, E. I., and Company. Process for preparing herbicidal triazines. 3,850,924, 11-26-74, Cl. 260-249.500.

Fuchs, Julius Jakob; and Lin, Kang, to Du Pont de Nemours, E. I., and Company. 1,3,5-Triazinediones. 3,855,219, 12-17-74, Cl. 260-248.0ns.

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Fudemoto, Isao; Kubota, Shiegeki; and Hayashi, Tatsuki. Waveform equalizer system. 3,812,436, 5-21-74, Cl. 333-18.000.

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Fuhrmann, Robert; Koff, Fred W.; and Sifniades, Stylianos, to Allied Chemical Corporation. Racemization process for alpha-aminocaprolactam and lysine amide. 3,842,073, 10-15-74, Cl. 260-239.30r.
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Fujita, Kinji, to Kabushiki Kaisha Suwa Seikosha. Digital wrist watch having timer function. 3,822,547, 7-9-74, Cl. 58-152.00b.

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Fukuda, Ryuhei: *See*—
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Fukugami, Goro; Tamura, Chiaki; Majima, Hideji; and Takahashi, Hideo. Automatic vertical band sawing machine provided with mechanism to attenuate the resonance between the sawing blade and the work table. 3,801,089, 4-2-74, Cl. 83-74.000.

Fukui, Hiroshi; Iwatsu, Gakuji; and Kato, Junichi, to Aichi Steel Works, Limited. Leaf spring construction. 3,814,410, 6-4-74, Cl. 267-47.000.

Fukui, Kamenosuke. Invisible hinge and frame to be used for the same. 3,805,323, 4-23-74, Cl. 16-128.00r.

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Fukui Seiren Kako Kabushiki Kaisha: *See*—
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Fukumoto, Jyuichiro; Yamamoto, Takehiko; and Tsuru, Daisuke, to Kyowa Hakko Kogyo Co., Ltd. Process for producing detergent resisting alkaline protease. 3,838,009, 9-24-74, Cl. 195-65.000.

Fukumoto, Riyouichi; Fukura, Kenichi; and Nyunoya, Mizuo, to Aisin Seiki Company, Limited and Aisin Seiki Company, Ltd. Vehicle door hinge. 3,854,167, 12-17-74, Cl. 16-184.000.

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Fukuroi, Takeo, to Yoshida Kogyo Kabushiki Kaisha. Method and apparatus for removing interlocking elements from slide fastener chain. 3,812,573, 5-28-74, Cl. 29-427.000.

Fukuroi, Takeo, to Yoshida Kogyo Kabushiki Kaisha. Automatically locking slider for zip fastener. 3,813,736, 6-4-74, Cl. 24-205.14r.

Fukushi, Saburo: *See—*
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Fukushima, Isao; and Ohashi, Shin-Ichi, to Hitachi, Ltd. Demodulator for frequency-modulated signal. 3,851,263, 11-26-74, Cl. 329-110.000.

Fukushima, Juichi: *See—*
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Fukushima, Juichi; and Nagahiro, Michinori, to Matsushita Electric Industrial Co., Ltd. Tape reel and tape reel storing magazine. 3,836,096, 9-17-74, Cl. 242-197.000.

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Fukushima, Osamu; Sato, Masamichi; and Honjo, Satoru, to Fuji Photo Film Co., Ltd. Liquid development apparatus for electrophotography. 3,783,827, 1-8-74, Cl. 118-637.000.

Fukushima, Osamu; and Sato, Masamichi, to Fuji Photo Film Co., Ltd. Electrophotographic developing device. 3,804,062, 4-16-74, Cl. 118-637.000.

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Fukushima, Takashi: *See—*
Komura, Yasuyuki; Hirata, Shinichi; Fukushima, Takashi; and Ogawa, Mutsuo, 3,801,737.

Fukushima, Yasuo, to Toko Inc. Toroidal coil winding machine. 3,848,819, 11-19-74, Cl. 242-4.00b.

Fukushima, Yoshio: *See—*
Ogawa, Kiyoshi; Yokoyama, Yoshiaki; and Fukushima, Yoshio, 3,783,706.

Fukushima, Yukihiro: *See—*
Kobayashi, Fukashi; Ono, Mitsuaki; Yatsugake, Masahiko; and Fukushima, Yukihiro, 3,824,617.

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Nakashima, Kunihiko; Yokoi, Katsuhiko; and Fukuta, Hiroshi, 3,803,274.

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Fukutani, Hideo; and Miura, Konoe, to Matsubishi Chemical Industries, Ltd. Photosensitive polymer and composition. 3,817,876, 6-18-74, Cl. 260-2.00a.

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Fukutomi, Naoki: *See—*
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Fukuura, Yokio: *See—*
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Fukuwatari, Yasuo: *See—*
Nagasawa, Taro; Ryoki, Taizo; Kiyosawa, Isao; Oizumi, Saburo; Fukuwatari, Yasuo; Suzuki, Takashi; Ishibashi, Hitoshi; and Kawamura, Nobuo, 3,845,231.

Fukuyama, Takahiko: *See—*
Kuroyama, Toshinobu; Noba, Motoi; Fukuyama, Takahiko; and Teranishi, Nobuyuki, 3,819,928.

Fukuyama, Yasuo, to Yamauchi Rubber Industry Co., Inc. Printing magnetic saddle. 3,824,926, 7-23-74, Cl. 101-378.000.

Fukuzaki, Hiroaki, to Tenchi Kikai Kabushiki Kaisha. Automatic twist wrapping apparatus. 3,797,198, 3-19-74, Cl. 53-209.000.

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Fukuzawa, Kenichi: *See—*
Kawamura, Takao; Yamaguchi, Akio; and Fukuzawa, Kenichi, 3,808,493.

Fukuzawa, Soichi; and Oshima, Ryoichiro, to Hitachi, Ltd. Table ware washer. 3,797,509, 3-19-74, Cl. 134-178.000.

Fukuzuka, Toshio; Murakami, Tsuyoshi; Urai, Masaaki; and Sakaguchi, Mitutoshi, to Kobe Steel, Ltd. Process for producing drinking cans made of aluminum-plated steel Sheet. 3,820,368, 6-28-74, Cl. 72-47.000.

Fukuzuka, Toshio; Sakai, Hirohiki; and Furuya, Takashi, to Kobe Steel, Ltd. Acid zinc-electroplating process and product thereof. 3,822,118, 7-2-74, Cl. 29-183.500.

Ful, James B.: *See—*
Bryan, Carney J.; and Ful, James B., 3,794,230.

Fulachier, Georges Edouard: *See—*
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Fulberth, Werner; and Neitzer, Erika, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Orally administrable drug dosage form having delayed action. 3,835,221, 9-10-74, Cl. 424-20.000.

Fulford, Richard S., to Cities Service Oil Company. Formation and wellbore scale prevention. 3,782,469, 1-1-74, Cl. 166-279.000.

Fulghum, David A., to International Harvester Company. Belt drive apparatus. 3,800,612, 4-2-74, Cl. 74-242.15r.

Fulk, James B. Method and apparatus for gathering webs of paper. 3,810,569, 5-14-74, Cl. 226-109.000.

Fulk, Walter F.; and Lyle, Phra D., to Owens-Corning Fiberglas Corporation. Method of and apparatus for processing linear elements. 3,847,579, 11-12-74, Cl. 65-11.00w.

Fulkerson, Homer L.; and Anderson, Wayne S. Scoop and sheath means therefor. 3,840,261, 10-8-74, Cl. 294-55.000.

Fulkerson, William: *See—*
Chang, Ji Young; Ewing, William M.; Fulkerson, William; McElroy, David L.; and Weaver, Samuel C., 3,804,928.

Fulks, John Arthur, to Rolls-Royce (1971) Limited. Welding machine. 3,828,156, 8-6-74, Cl. 219-60.00a.

Full, Donald A.: *See—*
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Fullaway, Altan Vanstone, to Weyerhaeuser Company. Log handling apparatus. 3,812,951, 5-28-74, Cl. 198-34.000.

Fullenkamp, Eugene Henry, to Hill-Rom Company, Inc. Overbed table. 3,854,428, 12-17-74, Cl. 108-146.000.

Fullenwider, James H.: *See—*
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Fuller & Sadao, Incorporated: *See—*
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Fuller, Alvin W., to Hubbell, Harvey, Incorporated. Weatherproof cover for electrical cable connector. 3,792,415, 2-12-74, Cl. 339-60.00r.

Fuller, Blaine W.: *See—*
Channell, Glenn L.; Fuller, Blaine W.; and Davisson, Kenneth R., 3,784,162.

Fuller, Brian Robert: *See—*
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Fuller, Clyde R.: *See—*
Cunningham, James A.; and Fuller, Clyde R., 3,833,842.

Fuller, Clyde Rhea; and Ghate, Prabhakar Bhimrao, to Texas Instruments, Incorporated. Method of forming contact and interconnect geometries for semiconductor devices and integrated circuits. 3,856,648, 12-24-74, Cl. 204-192.000.

Fuller Company: *See—*
Boyhont, Donald S.; Souders, Marvyn L.; and Matweecha, David M., 3,850,479.
Cohen, Sidney M., 3,790,334.
Dick, Charles J., 3,839,803.
Fisher, Ervin; and Olson, Frederick O., 3,850,596.
Gothe, Walter C., 3,809,212.
Hefney, John M., 3,798,883.
Kayatz, Karl-Heinz, 3,831,291.
Kramer, Walter W., 3,782,903.
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Kramm, Douglass J., 3,809,528.
Mertz, Edwin C., 3,850,376.
Nix, Thomas B., 3,790,143.
Paul, Kermit, 3,832,128.
Schrawder, Paul A., 3,802,553.
Solt, Paul E., 3,844,446.
Warshawsky, Jay, 3,811,823.

Fuller, Dudley Kilburn Maurice. Improvements in or relating to instructional apparatus for use in learning the construction of musical chords. 3,850,072, 11-26-74, Cl. 84-471.000.

Fuller, Edward N.; and Bartholomew, Michael E. Chromatographic column packing. 3,822,530, 7-9-74, Cl. 55-67.000.

Fuller, Francis W.; and Kiwalle, Jozef, to Production Technology, Inc. Apparatus for flash removal. 3,800,996, 4-2-74, Cl. 228-2.000.

Fuller, Francis W.; Melvin, Samuel L.; and Merritt, Paul H., to Caterpillar Tractor Company. Die forming apparatus. 3,845,654, 11-5-74, Cl. 72-381.000.

Fuller, Fred H. Method and apparatus for phonation analysis leading to valid truth/lie decisions by fundamental speech-energy weighted vibratto component assessment. 3,855,416, 12-17-74, Cl. 179-1.0sa.

Fuller, Fred H. Method and apparatus for phonation analysis leading to valid truth/lie decisions by spectral energy region comparison. 3,855,417, 12-17-74, Cl. 179-1.0sa.

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Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., to Mallory, P. R., & Co., Inc. Multi layer capacitor and with screen vibrating means apparatus for making same. 3,838,958, 10-1-74, Cl. 425-197.000.

Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A. Multi layer capacitor and apparatus for making same with roll cleaning means. 3,838,959, 10-1-74, Cl. 425-230.000.

Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., to Mallory, P. R., & Co., Inc. Apparatus for making multi layer capacitors. 3,840,315, 10-8-74, Cl. 425-367.000.

Fuller, Frederick S., to General Motors Corporation. Occupant restraint system. 3,794,349, 2-26-74, Cl. 280-150.0ab.

Fuller, George A., Jr.; Langevin, Wilfred L.; Lutts, Carlton G.; and Neiley, Geoffrey C., Jr., to USM Corporation. Machines for stacking limp work pieces. 3,848,866, 11-19-74, Cl. 271-180.000.

Fuller, George W., to King-Seeley Thermos Co. Method of blow molding liners. 3,816,578, 6-11-74, Cl. 264-98.000.

Fuller, H. B., Company: *See—*
Berg, Robin L., 3,802,025.
Juba, Bernard Thomas; and Schubert, Rolf Bernd, 3,806,483.

Fuller, Harry S.; and Partch, Ambrose H., to Love, J. E., Company. Cutterbar improvements in a harvesting machine. 3,813,859, 6-4-74, Cl. 56-260.000.

Fuller, Harry V., to United States of America, National Aeronautics and Space Administration. Reefing system. 3,796,473, 3-12-74, Cl. 312-1.000.

Fuller, Howard J., to Worcester Controls Corporation. Interface for multiplex motor control systems. 3,792,332, 2-12-74, Cl. 318-562.000.

Fuller, Josef, to Vyskumny ustav mechanizacie a automatizacie. Method of one-sided riveting tool for its performance. 3,838,499, 10-1-74, Cl. 29-509.000.

Fuller, Maurice D., to Korry Manufacturing Company. Interchangeably structured electrical cartridge with cross-biased latch mechanism for the releasably tethered cap of the same. 3,824,363, 7-16-74, Cl. 200-328.000.

Fuller, Oliver C., to Evans Products Company Transportation Systems Division. Rack and pinion hopper gate actuating mechanism. 3,845,726, 11-5-74, Cl. 105-282.00p.

Fuller, Ray W.: *See—*
Molloy, Bryan B.; Fuller, Ray W.; and Hauser, Kenneth L., 3,799,982.

Fuller, Ronald George. High head solids pumps. 3,817,652, 6-18-74, Cl. 415-53.000.

Fuller, Ross; Munshower, Kenneth; and Lightkep, William E., to Elco Corporation. Pin-terminal carrier strip. 3,841,472, 10-15-74, Cl. 206-329.000.

Fuller, Sterritt Ray; Munzel, Howard Everett; and Queener, Carl Allan, to International Business Machines Corporation. Copier with leading edge image control. 3,834,807, 9-10-74, Cl. 355-3.00r.

Fuller, Thomas Patrick: *See—*
Scholz, Ray John; and Fuller, Thomas Patrick, 3,842,558.
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Fuller, Walter T.: *See—*
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McCrillis, Raymond L.; Fuller, Walter T.; Dixon, Richard H.; and Oldani, John R., 3,810,335.

Fuller, Willard A.; Schulz, Arthur C.; and Rosen, Herbert J., to Hooker Chemical Corporation. Chlorine dioxide generating system. 3,816,077, 6-11-74, Cl. 23-260.000.

Fullerton, Baxter T., to Warner & Swasey Company, The. Machine tool with indexible tool support. 3,835,516, 9-17-74, Cl. 29-47.000.

Fullerton, Marvin R.; Hoover, Jess S.; and Baugh, Homer. Animal crowding gate. 3,799,115, 3-26-74, Cl. 119-20.000.

Fullhart, Richard L., to Reese Products, Inc. Hitch mountable to a shock absorbing bumper. 3,838,872, 10-1-74, Cl. 280-495.000.

Fullinwider, James H.: *See—*
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Fullton, James McFerrin, Jr., to Western Electric Company, Incorporated. Methods and apparatus for generating walsh functions. 3,795,864, 3-5-74, Cl. 325-38.00r.

Fulmer, Keith H., to Bendix Corporation, The. Brake proportioning valve with blend back. 3,790,221, 2-5-74, Cl. 303-6.00c.

Fulmer, Keith H. Brake proportioning valve with controlled blend back. 3,801,159, 4-2-74, Cl. 303-6.00c.

Fulmer, Keith H., to Bendix Corporation, The. Brake proportioning valve with blend back. 3,806,200, 4-23-74, Cl. 303-6.00c.

Fulmer Research Institute, Limited: *See—*
Brook, Greville B.; and Iles, Roger F., 3,783,037.
Brooks, Greville B.; and Iles, Roger F., 3,802,930.
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Fulton, Alan William; and Reed, Ray Allen, to Bell Telephone Laboratories, Incorporated. Transistor logic circuit. 3,796,896, 3-12-74, Cl. 307-290.000.

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Fulton, Clyde E., to Caterpillar Tractor Company. Releasable mounting for cylindrical objects. 3,825,359, 7-23-74, Cl. 403-192.000.

Fulton, Douglas William: *See—*
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Brock, Alan James; and Fulton, Douglas William, 3,849,639.

Fulton, Gary Richard. Tire roof. 3,803,792, 4-16-74, Cl. 52-533.000.

Fulton, George L.; Gager, Robert M.; and Atlee, Zed J., to Picker Corporation. Anode current stabilization circuit X-ray tube having stabilizer electrode. 3,783,287, 1-1-74, Cl. 250-404.000.

Fulton, Howard A.: *See—*
Flinner, Vaughn D.; Sprang, Richard W.; Zody, Dana D.; and Fulton, Howard A., 3,851,339.

Fulton, Howard A.; Flinner, Vaughn D.; Sprang, Richard W.; and Zody, Dana D., to Mansfield Sanitary, Inc. Portable, self-contained toilet. 3,801,991, 4-9-74, Cl. 4-115.000.

Fulton Industries, Inc.: *See—*
Grove, John L., 3,809,180.
Grove, John L., 3,809,249.
Grove, John L., 3,841,436.
Grove, John L., 3,856,108.

Fulton, James C.: *See—*
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Fulton, James F.; and Rinaldi, Joseph A., to Fulton & Partners, Inc. Portable sleeping compartment. 3,785,693, 1-15-74, Cl. 296-23.00r.

Fulton, Langdon Hollister, to RCA Corporation. Label writing apparatus. 3,839,644, 10-1-74, Cl. 307-117.000.

Fulton Projects, Inc.: *See—*
Fulton, William H., 3,827,388.

Fulton, Ronald T.; and Roberts, Evan D., to Panduit Corporation. Cable tie. 3,816,878, 6-18-74, Cl. 24-16.0pb.

Fulton, William H., to Fulton Projects, Inc. Ship propulsion system. 3,827,388, 8-6-74, Cl. 115-11.000.

Fulton, William L., to Stancomp, Inc., mesne. Light modulated voltage divider control. 3,793,521, 2-19-74, Cl. 250-199.000.

Fulwyler, Mack J., to United States of America, Atomic Energy Commission. Method for production of uniform microspheres. 3,790,492, 2-5-74, Cl. 252-301.10r.

Fuma, Toyozi; Takeuchi, Hideo; and Ikeda, Susumu, to Sintokogio, Ltd. Portable blasting device. 3,827,188, 8-6-74, Cl. 51-9.000.

Fumagalli, Giovanni. Pumping device for promoting patients breathing. 3,818,806, 6-25-74, Cl. 92-13.200.

Fumakilla Limited: *See—*
Meguro, Hisakatu; Muramoto, Takayoshi; Nishino, Shingi; Takei, Yasuharu; and Yoshizane, Hiroshi, 3,802,116.

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Fumia, Arthur, Jr.; and Brooker, Leslie G. S., to Eastman Kodak Company. Novel dyes cyanine with enamines containing two fused carbocyclic rings. 3,786,046, 1-15-74, Cl. 260-240.00r.

Fumia, Arthur, Jr.; and Heseltine, Donald W., to Eastman Kodak Company. Dyes and photographic emulsion and elements containing said dyes. 3,821,205, 6-28-74, Cl. 260-240.00d.

Fumiaki, Yamagishi; Fumio, Endo; and Hideki, Ooi, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Process for synthesizing sucrose esters of fatty acids. 3,792,041, 2-12-74, Cl. 260-234.00r.

Fumihiko, Morinaga: *See—*
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Funabachi, Shoichi: *See—*
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Funabashi, Isao: *See—*
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Funabashi, Kazutoshi; and Harada, Kanji, to Teigjin Limited. Process for preparation of aromatic carboxylic acid chloride. 3,835,186, 9-10-74, Cl. 260-544.00m.

Funabashi, Shinichiro: *See—*
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Funahashi, Takaji. Self-inking roller. 3,812,782, 5-28-74, Cl. 101-367.000.

Funahashi, Takaji. Simplified, self-inking hand stamp. 3,832,947, 9-3-74, Cl. 101-327.000.

Funahashi, Takaji. Pocket hand stamp. 3,855,925, 12-24-74, Cl. 101-333.000.

Funaki, Hidefumi: *See—*
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Funaki, Hidefumi; Tanaka, Toshiaki; Nakajima, Katsuyoshi; and Kanda, Yuichi, to Nippon Electric Varian, Ltd. Frequency to voltage converter with means for prescribing pulse width against fluctuations. 3,824,410, 7-16-74, Cl. 307-233.000.

Funaki, Koemon: *See—*
Sugimoto, Mitsuo; Funaki, Koemon; and Saeki, Yuzo, 3,832,457.

Funaki, Takashi, to Kabushiki Kaisha Sankyo Seiki Seisakusho. Symbol indication device. 3,831,303, 8-27-74, Cl. 40-28.00c.

Funakoshi, Hiroyoshi: *See—*
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Funakoshi Pharmaceutical Co., Ltd.: *See—*
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Funakoshi, Wataru: *See—*
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Funakubo, Eiichi; Matsuo, Tetsuo; Taira, Takeshi; Kamada, Taichi; Harada, Hiroshi; Tanimura, Shoichiro; and Kubo, Masanori, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing purified normal paraffins. 3,849,298, 11-19-74, Cl. 208-310.000.

Funakubo, Shinnosuke, to Kabushiki-Kaisha Eishin. Adjustment means for the tooling or machining angle in tooling or machining operations. 3,807,051, 4-30-74, Cl. 33-334.000.

Funakubo, Toshiei, to Kabushiki Kaisha Eishin. Method of manufacturing bimetallic high-speed cutting tools. 3,800,633, 4-2-74, Cl. 76-112.000.

Funakubo, Toshiei, to Kabushiki-Kaisha Eishin. Hole saw. 3,848,687, 11-19-74, Cl. 175-394.000.

Funaoka, Kuji; and Miwa, Tatsuro, to Mitsubishi Oil Co., Ltd. Paper sizing agent. 3,804,788, 4-16-74, Cl. 210-27.00r.

Funayama, Charles T. Combination spinning and fly casting reel. 3,782,652, 1-1-74, Cl. 242-84.10r.

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Funck, Herbert, 3,852,895.

Funck, Herbert, to Funck, Dr.-Ing., K.G. Safety shoe. 3,798,804, 3-26-74, Cl. 36-72.00r.

Funck, Herbert, to Funck, Dr.-Ing., K.G. Shoes or boots. 3,852,895, 12-10-74, Cl. 36-2.50r.

Fundell, Kjell Erik: *See—*
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Fundingsland, John O. Apparatus for intermittant feeding of strip material. 3,830,565, 8-20-74, Cl. 352-191.000.

Funforms Inc.: *See—*
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Funfstuck, Horst, to Statham Instruments, Inc. Electrodes employing disposable electropads for cardiac instruments. 3,826,245, 7-30-74, Cl. 128-2.06e.

Funk, Albert G.: *See—*
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Funk, Chris. Polishing apparatus. 3,813,816, 6-4-74, Cl. 51-7.000.

Funk, Clarence J., to United States of America, Navy. Scanning optical imaging system with real-time image thresholding for the elimination of backscattered light. 3,856,988, 12-24-74, Cl. 178-6.800.

Funk, Donald J.: *See—*
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Funk, Ernest J.: *See—*
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Funk, Francis Claire, to Deere & Company. Vehicle attitude warning device. 3,798,594, 3-19-74, Cl. 340-52.00h.

Funk, Friedrich G. Colloid mill. 3,814,334, 6-4-74, Cl. 241-70.000.

Funk, John: *See—*
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Funk, John W.; Merlino, Eugene L., Jr.; and Woods, Daniel J., to Barasch, Stephen and Burroughs Corporation. Print train permitting accelerated printing speeds in a line printer. 3,835,771, 9-17-74, Cl. 101-111.000.

Funk, Laurence L. Lap-joining recording tape splicer. 3,826,705, 7-30-74, Cl. 156-505.000.

Funk, Paul M.; Legg, Billy J.; and Baldwin, Richard W., to Monsanto Company. Polyester esterification under two different pressures. 3,819,585, 6-25-74, Cl. 260-75.00m.

Funk, Roland: *See—*
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Fuqua, Lloyd T.: *See—*
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Fuqua, Lloyd T., to General Motors Corporation. Push-in fastener. 3,842,709, 10-22-74, Cl. 85-5.00r.

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Furbeck, Warren R.: *See—*
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Furey, Charles, and Associates Proprietary, Limited: *See—*
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Furlenmeier, Andre; Vogler, Karl; Zanetti, Guido; and Lanz, Paul. 6-Acyl derivatives of aminopenicillanic acid. 3,803,128, 4-9-74, Cl. 260-239.100.

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Furlong, Donn B.; Gobler, Harry W.; and Grotheer, Robert, to Ecodyne Corporation. Concrete cooling tower. 3,801,076, 4-2-74, Cl. 261-111.000.

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Furlong, Louis E.; Zimmerman, Abraham A.; and Shannon, Hugh F., to Esso Research and Engineering Company. Enchancing the operation of a gasoline engine. 3,791,066, 2-12-74, Cl. 44-66.000.

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Furno, Harold R. Extensible frame. 3,794,283, 2-26-74, Cl. 248-276.000.

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Furr, Samuel T., to Bethlehem Steel Corporation. Helical steel spring and method. 3,847,678, 11-12-74, Cl. 148-2.000.

Furr, Tommy R., to Oxford Industries, Inc. Method and apparatus for forming random stripe in knitting garments. 3,791,173, 2-12-74, Cl. 66-20.000.

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Furrey, John H.; and LeCrenn, George C., to Warwick Electronics Inc. Color gamut compressor. 3,825,673, 7-23-74, Cl. 178-5.4he.

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Furrow, Clarence L., to Phillips Petroleum Company. Isolation of polymerization grade tetrafluoroethylene. 3,804,910, 4-16-74, Cl. 260-653.300.

Furse, John H., to Servco Company, The. Underreamer. 3,817,339, 6-18-74, Cl. 175-271.000.

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Furst, Andor; Furlenmeier, Andre; Langemann, Albert; Waldovogel, Guy; Hocks, Peter; Kerb, Ulrich; and Wiechert, Rudolf, to Hoffmann-La Roche Inc. 20-Hydrocarbyl-6-keto-steroids. 3,835,127, 9-10-74, Cl. 260-239.550.
Furst, Beatrice M. Storage bag for clothing articles or the like. 3,834,497, 9-10-74, Cl. 190-43.000.
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Furst, Raymond B.; Rothe, Kurt; and Mabe, William J., Jr., to North American Rockwell Corporation. Dual pump waterjet. 3,805,731, 4-23-74, Cl. 115-16.000.
Furst, Walter: *See*—
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Furukawa, Junji; Kobayashi, Eiichi; Iseda, Yutaka; and Yukuta, Toshio, to Bridgestone Tire Company Limited. Novel method of producing two-component and multi-component copolymers containing conjugated diene compounds and conjugated polar vinyl monomers usig photopolymerization. 3,840,449, 10-8-74, Cl. 204-154.240.
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Furukawa, Kenji; Uyama, Hirofuji; Tsuchiya, Takashi; Kodo, Chikashi; and Torii, Keiichi, to Agency of Industrial Science & Technology. Fluidizing device. 3,851,405, 12-3-74, Cl. 34-57.00a.
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Furuoka, Masaru; Ohki, Hisao; Tominaga, Koichi; Hara, Tuguhiro; and Ikeda, Tetsuya, to Gakken Co., Ltd. Information retrieval system. 3,853,224, 12-10-74, Cl. 209-80.00s.
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Furuse, Takao; Matsuoka, Tohru; and Kato, Kiyohisa, to Nippon Electric Company, Limited. Mirror support structure for an internal mirror-type gas laser tube. 3,851,275, 11-26-74, Cl. 331-94.50d.
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Furuya, Akio; Hachiboshi, Makoto; Adachi, Toshio; and Uchida, Masakatsu, to Dai Nippon Toryo Co., Ltd., Leben Utility Co., Ltd. and Toyobo Co., Ltd. Thermosetting resinous composition. 3,786,004, 1-15-74, Cl. 260-2.50n.
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Furuya, Tadashi, to Nippon Electric Company, Limited. Base-band delay equalizer. 3,849,744, 11-19-74, Cl. 333-28.00r.
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Fusayama, Takeo; Hayashi, Kenji; Asamizu, Yoshio; Endo, Meitaro; and Shinohara, Yasuo, to Toray Industries, Inc. Process of electroless plating and article made thereby. 3,801,368, 4-2-74, Cl. 117-239.000.
Fusco, Carl J.: *See*—
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Fuse, Yuzo, to Sony Corporation. Color display tube with elongated phosphor dots and shadow mask apertures. 3,828,216, 8-6-74, Cl. 313-403.000.
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Fushida, Yoshio; Suzuki, Kazuo; Kasahara, Takaaki; Okawa, Kazuyoshi; and Ashizawa, Masayoshi, to Kurosawa Tele-Communications Limited. Apparatus for determining the position of print by using a transducer. 3,819,025, 6-25-74, Cl. 197-1.00r.
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Fuss, Fritz, to Fritz Fuss K.G. Electric door opener. 3,819,215, 6-25-74, Cl. 292-201.000.
Fuss, Gary. Lantern shields. 3,829,681, 8-13-74, Cl. 240-110.000.
Fuss, Gunter G., to Free-Flow Packaging Corporation. Packing material. 3,855,053, 12-17-74, Cl. 161-168.000.
Fussell, Edward B., Jr.; and Maynard, F. Charles, Jr., to Bonnet, Walter, Inc. Boat windshield mounting means. 3,810,267, 5-14-74, Cl. 9-1.00r.
Fussell, Edward B., Jr.; and Redmon, Don L., to Water Bonnet, Inc. Brace and method of bracing a windshield to a dashboard. 3,829,153, 8-13-74, Cl. 296-90.000.
Fussell, Theodore John, Jr., to Eastech, Inc. Bluff body flowmeter utilizing a movable member responsive to vortex shedding. 3,796,095, 3-12-74, Cl. 73-194.00b.
Fussell, Theodore John, Jr., to Eastech, Inc. Bluff body flowmeter utilizing a moveable shutter ball responsive to vortex shedding. 3,823,610, 7-16-74, Cl. 73-194.00b.
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Fustukian, David A. W.; Kushnir, Bud W.; Norris, Leon F.; and Fraser, Robert W., to Gordon, Sherritt, Mines Limited. Dispersion strengthened metals and alloys and process for producing same. 3,847,680, 11-12-74, Cl. 148-11.50f.
Futagawa, Yoshikiyo; Komatsu, Chifumi; Mitsui, Yoshihiro; and Kamakura, Hiroshi, to Kabushiki Kaisha Suwa Seikosha and Shinshu Seiki Kabushiki Kaisha. Brushless direct current motor. 3,795,849, 3-5-74, Cl. 318-254.000.
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Futaki, Kiyoshi; and Motoki, Masaya, to Mitsubishi Paper Mills, Ltd. Heat sensitive recording material. 3,825,432, 7-23-74, Cl. 106-21.000.
Futaki, Kiyoshi; Haino, Kozo; and Kohmura, Isao, to Mitsubishi Paper Mills, Ltd. Heat sensitive recording paper. 3,829,401, 8-13-74, Cl. 260-38.000.
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Futamata, Masayuki; Nukada, Takao; Kitta, Yasuo; Morita, Koiti; and Hirose, Kazuyuki, to Kabushiki Kaisha Komatsu Seisakusho. Gear pump and motor having a sealing lock for preventing hydraulic oil from leaking between the ends of the teeth of the gears. 3,38,952, 10-1-74, Cl. 418-126.000.
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Futamura, Shoji, to Technology Precision Electrical Discharge Works, Institute of. Optical aligning device for positioning the electrode of a spark discharge machining apparatus. 3,782,830, 1-1-74, Cl. 356-138.000.
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Fuzesi, Stephen; Lapkin, Milton; and Polak, Roger J., to Olin Corporation. Process for making fire-retardant polyurethane foam using crude 4,4,4-trichloro-1,2-epoxybutane. 3,847,844, 11-12-74, Cl. 260-2.5as.
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Fyfe, Edward R., to Elastometal Limited. Structural bearings. 3,806,975, 4-30-74, Cl. 14-16.000.
Fylling, Donald R.; Einarsson, John R.; and Youmans, Donald W., to FMC Corporation. Frameless shipping container. 3,801,177, 4-3-74, Cl. 312-351.000.
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Gabano, Jean-Paul; and Jumel, Yves, to Saft-Societe des Accumulateurs Fixes et de Traction. Lithium base electrochemical generator. 3,796,604, 3-12-74, Cl. 136-6.0ln.
Gabano, Jean-Paul; and Lehmann, Gerard, to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Method of preparing non-aqueous electrolyte free of any trace of free aluminum chloride. 3,843,414, 10-22-74, Cl. 136-156.000.
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Gabby, John Lester; Corbin, Dennis Dale; and Lowe, Jack Brunner, to Drackett Company, The. Low calorie topping, spread, and frozen dessert. 3,809,764, 5-7-74, Cl. 426-163.000.
Gabel, Lloyd; and Simpson, William R. J., to Sandoz-Wander, Inc. 4-Substituted-amino-quinazolines and nitrates thereof. 3,833,584, 9-3-74, Cl. 260-256.40q.
Gabel, Lloyd P.; and Simpson, William R. J., to Sandoz-Wander, Inc. 6,7,8-Trialkoxy-quinazolines having a hydroxyalkyl bearing 4-amino function. 3,833,587, 9-3-74, Cl. 260-256.40q.
Gabel, William A. Airboat. 3,786,774, 1-22-74, Cl. 114-66.50r.
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Gabler, Rudolf; and Studinka, Josef, to Inventa AG fur Forschung und Patentverwertung. Process for the manufacture of polythiobisphenols. 3,812,192, 5-21-74, Cl. 260-608.000.
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Gabriel, Henry, to Phillips Petroleum Company. Article labeling method. 3,843,438, 10-22-74, Cl. 156-244.000.
Gabriel, James M.; and Reilly, William, to Chromalloy American Corporation. Wear resistant powder metal magnetic pole piece made from oxide coated Fe-Al-Si powders. 3,814,598, 6-4-74, Cl. 75-206.000.
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Gabron, Frank; and McCullough, John E., to Little, Arthur D., Inc. Dual-mode cryogenic support system. 3,814,361, 6-4-74, Cl. 248-146.000.
Gabrusenok, Pavel Stepanovich. Method of manufacturing a hydrosensitive element for a humidity sensitive device. 3,844,832, 10-29-74, Cl. 117-219.000.
Gabryclewicz, Leopold. Modular lighting system. 3,840,842, 10-8-74, Cl. 339-158.000.
Gabus, Jean-Claude, to Signale & Automatik A.G. Method for controlling at least one load circuit and devices for carrying out this method. 3,832,570, 8-27-74, Cl. 307-116.000.
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Gachot, Jean. Pressure regulators for compressed-air circuits. 3,791,399, 2-12-74, Cl. 137-116.000.
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Gachot, Jean; and Lekarski, Simeon. Stepping motor of the fluid pressure type. 3,844,178, 10-29-74, Cl. 74-128.000.
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Gade, John N.; and MacKay, James D., to Eastman Kodak Company. Scroll winding and loading apparatus. 3,848,315, 11-19-74, Cl. 29-200.00b.
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Coop, William Henry; Christian, Robert Dale; and Gaffney, John Stiles, 3,808,595.

Gage, Franklin A.; and Muttick, Richard P., to Gould Inc. Hearing aid with valved dual ports. 3,798,390, 3-19-74, Cl. 179-107.0fd.

Gage, Homer D., to McCrosky Tool Corporation. Rotary machine cutting tools. 3,792,517, 2-19-74, Cl. 29-105.000.

Gage, John M.; Shaw, Robert F.; and Stoft, Paul E., to Shaw, Robert F. Electrically heated surgical cutting instrument. 3,826,263, 7-30-74, Cl. 128-303.100.

Gage, John R.: *See—*
Matvey, Paul R.; and Gage, John R., 3,832,275.

Gage, Theodora A.; and Crothers, Carl C., to Astro-Mechanics, Inc. Digital servosystem. 3,795,851, 3-5-74, Cl. 318-602.000.

Gage, Thomas Barton, to Du Pont de Nemours, E. I., and Company. Yarn and inflatable bag made therefrom. 3,842,583, 10-22-74, Cl. 57-140.00r.

Gagen, Paul Francis; and Jones, Charles Elmer, Jr., to Bell Telephone Laboratories, Incorporated. Subterranean penetrator steering system utilizing fixed and rotatable fins. 3,794,128, 2-26-74, Cl. 175-73.000.

Gager, Lawrence J., Jr. Visor and face shield helmet attachment. 3,797,042, 3-19-74, Cl. 2-10.000.

Gager, Robert M.: *See—*
Atlee, Zed J.; and Gager, Robert M., 3,846,006.
Fulton, George L.; Gager, Robert M.; and Atlee, Zed J., 3,783,287.

Gaggrave, Robert J., to Dayton Progress Corporation. Die apparatus. 3,848,452, 11-19-74, Cl. 72-448.000.

Gaghan, Stephen B., to Van Vlaanderen Machine Company, Inc. Roll for applying pressure. 3,833,980, 9-10-74, Cl. 29-116.0ad.

Gagle, Duane W.: *See—*
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Gagle, Duane W.; and Draper, Homer L., to Phillips Petroleum Company. Low temperature resilient composition having sealant and caulking utilities. 3,817,904, 6-18-74, Cl. 260-33.6aq.

Gagliardi, D. Donald: *See—*
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Gagliardi, Frances Dodge: *See—*
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Gagne, Pierre: *See—*
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Gagne, Pierre; and Neel, Jean, to Rhone-Progil. Process of enzymatically depilating animal hides. 3,806,412, 4-23-74, Cl. 195-6.000.

Gagneux, Andre; Heckendorn, Roland; and Meier, Rene, to Ciba-Geigy Corporation. Certain 6-phenyl-4H-s-triazolo [1,5-2] [1,4-benzodiazepines]. 3,852,300, 12-3-74, Cl. 260-308.00r.

Gagneux, Vandre; Heckendorn, Roland; and Meier, Rene, to Ciba-Geigy Corporation. Certain 2-amino-6-phenyl-4H-s-triazolo[1,5-a][1,4]benzodiazepines. 3,784,556, 1-8-74, Cl. 260-308.00r.

Gagnon, Edmund, to Vy-Nola Corporation. Mineral oil base cleaning composition. 3,795,623, 3-5-74, Cl. 252-91.000

Gagnon, Harvey J., Sr. Toy machine for building dams and like purposes. 3,793,764, 2-26-74, Cl. 46-40.000.

Gagnon, Pierre; and Laforest, Pierre. Concrete block plant. 3,851,593, 12-3-74, Cl. 104-88.000.

Gagnon, Richard T., to Scitronix Corporation. Speech synthesizer responsive to a digital command input. 3,836,717, 9-17-74, Cl. 179-1.0sa.

Gahler, Charles C., to Smith, X. S., Inc. Plastic covered building structures. 3,791,076, 2-12-74, Cl. 52-2.000.

Gahler, Charles C., to Smith, X. S., Inc. Plastic covered building structures. 3,830,033, 8-20-74, Cl. 52-720.000.

Gahwiler, Hermann, to Contraves AG. Method and apparatus for compensation of the temperature-dependency of the conductivity of a fluid with suspended particles. 3,852,666, 12-3-74, Cl. 324-71.0cp.

Gahwiler, Hermann, to Contraves AG. Counting and analysis apparatus for particles suspended in an electrolytic liquid. 3,854,088, 12-10-74, Cl. 324-71.0cp.

Gaiduchik, Vladimir Olegovich: *See—*
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Gaidzhurov, Pavel Petrovich: *See—*
Grachian, Ashot Natanovich; Gaidzhurov, Pavel Petrovich; Zubar, Georgy Sergeevich; Borodavkina, Valentina Vladimirovna; Dmitrievsky, Vladimir Sergeevich; Ozerov, Vladimir Mikhailovich; and Yarkno, Naum Aronovich, 3,793,036.

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Gailes, Michael Edward: *See—*
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Gaillard, Christian, to Cebal GP. Method of riveting a pull tab to a can top. 3,857,166, 12-31-74, Cl. 29-509.000.

Gaillard, Robert Maurice Georges, to L'Electronique Medicale S.E.R.D.A.L.S.A. Heart stimulation apparatus and method of testing its installation. 3,800,801, 4-2-74, Cl. 128-419.00p.

Gaillochet, Jean R., to MARINONI. Torque-limiting clutch. 3,837,451, 9-24-74, Cl. 192-56.00r.

Gaillochet, Jean R., to Marinoni. Method of and apparatus for giving information on the ink requirements of a printing forme. 3,853,409, 12-10-74, Cl. 356-201.000.

Gain, Dean L. Photoluminescent surgical device. 3,840,015, 10-8-74, Cl. 128-303.000.

Gainer, Gordon C.: *See—*
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Repsher, Robert W.; Gainer, Gordon C.; Luck, Russell M.; and Davies, David H., 3,833,392.

Gainer, John L.: *See—*
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Gainer, John L., to University of Virginia, The. Process for increasing oxygen diffusivity. 3,788,468, 1-29-74, Cl. 210-59.000.

Gainer, John L., to University of Virginia, The. Process for increasing oxygen diffusivity and method for treating atherosclerosis. 3,853,993, 12-10-74, Cl. 424-180.000.

Gaines, Alvin M. Magnetic closure. 3,822,906, 7-9-74, Cl. 292-251.500.

Gaines, Donald Joseph, to Honeywell, Inc. Underspeed/overspeed detector. 3,838,341, 9-24-74, Cl. 324-161.000.

Gaines, Lewis H., to Tyco Laboratories, Inc. Lithium batteries and method of preparing a positive electrode material therefor. 3,836,403, 9-17-74, Cl. 136-83.00r.

Gaines, Paul C., Jr. Apparatus for transfering heat. 3,799,256, 3-26-74, Cl. 165-145.000.

Gainesville Machine Company, Inc.: *See—*
Harben, Grover S., Jr., 3,828,397.
Harben, Grover S., Jr., 3,833,966.

Gaio, Alexander. Safety gust lock for aircraft controls. 3,833,190, 9-3-74, Cl. 244-83.00a.

Gaiser, Conrad J., to Gaiser Enterprises, Inc. Self inflatable air mattress, and sleeping bag. 3,798,686, 3-26-74, Cl. 5-343.000.

Gaiser, Dieter: *See—*
Fitterer, Horst; Uhl, Karl; Guenther, Friedrich; Schmidts, Kurt; and Gaiser, Dieter, 3,843,035.

Gaiser Enterprises, Inc.: *See—*
Gaiser, Conrad J., 3,798,686.

Gaiser, Robert F., to Bendix Corporation, The. Master cylinder with resiliently separated primary and secondary pistons. 3,818,706, 6-25-74, Cl. 60-562.000.

Gaisser, Eugene J., to American Hoechst Corporation. Printing plate processor and means for opening and closing the same. 3,846,816, 11-5-74, Cl. 354-307.000.

Gaither, Albert C., to Ridgeview Hosiery Mill Company. Panty hose. 3,815,156, 6-11-74, Cl. 2-224.00r.

Gaitten, Walden M., to Kockum Industries, Inc. Tree cutting apparatus with improved cutting and gripping head assembly. 3,837,382, 9-24-74, Cl. 144-34.00e.

Gaizauskas, Bronius: *See—*
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Gaj, Bernard J.: *See—*
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Gajewski, Henry M.: *See—*
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Gakenholz, Werner: *See—*
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Galanaugh, Charles F.: *See—*
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Galantay, Eugene E.: *See—*
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Galantay, Eugene E.; and Habeck, Dietmar A., to Sandoz-Wander, Inc. Propadienyl-substituted carbinols. 3,798,215, 3-19-74, Cl. 260-239.55c.

Galantay, Eugene E., to Sandoz-Wander, Inc. 1-(2',4'-Disubstituted-6'-w-substituted-hexyl-1'-phenyl)-1-olefin-3-ones. 3,804,883, 4-16-74, Cl. 260-473.00r.

Galantay, Eugene E., to Sandoz-Wander, Inc. 6-[2-(3-Hydroxyalkyl)-3,5-disubstitutedphenyl] hexanoic acids and salts thereof. 3,819,694, 6-25-74, Cl. 260-521.00r.

Galantay, Eugene E., to Sandoz-Wander, Inc. 1,6- Disubstituted pyrocatechol derivatives. 3,824,278, 7-16-74, Cl. 260-521.00r.

Galantay, Eugene E., to Sandoz-Wander, Inc. 4-Substituted-benzocyclohepta-[1,2,d]-oxazoles and thiazoles. 3,836,538, 9-17-74, Cl. 260-302.00f.

Galaske, Folker, to International Standard Electric Corporation. Type lever actuation arrangement in serial printers having rotating type lever magazines. 3,853,211, 12-10-74, Cl. 197-18.000.

Galasso, Francis S.; and Jacob, Bernarr A., to United Aircraft Corporation. Silicon carbide surfaced filaments with titanium carbide coating. 3,811,920, 5-21-74, Cl. 117-69.000.

Galasso, Honore: *See—*
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Galate, Joseph: *See—*
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Galbarzyk, Leslie L.; Ross, Irving D., Jr.; and Madland, Thorvald, to Youngstown Steel Door Company, The. Tracking plug door. 3,786,599, 1-22-74, Cl. 49-220.000.

Galbraith, Lyle D.: *See—*
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Galbreath, Gerald W.: *See—*
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Galbreath, Gerald W.; Dietrich, Alfred T.; and Mosbarger, George, to Overhead Door Corporation. Door lock with safety release. 3,802,726, 4-9-74, Cl. 292-100.000.

Galdabini, Renzo: *See—*
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Galden, Peter: *See—*
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Gale, Charles, to Lilly, Eli, and Company. Synergistic tylosin and furazolidone medication for calf pneumoenteritis complex. 3,790,669, 2-5-74, Cl. 424-120.000.

Gale, David M., to Du Pont de Nemours, E. I., and Company. 2-Alkoxy-1-substituted cyclobutenes and process therefor. 3,819,677, 6-25-74, Cl. 260-464.000.

Gale, George Martin: *See—*
Paul, Keith Thomas; Gale, George Martin; and Humpidge, Richard Thomas, 3,800,597.

Gale, Lee G.; and Savage, Donald V. Vehicle weighing device with a balanced electrical bridge. 3,800,895, 4-2-74, Cl. 177-136.000.

Gale, Michael R.: *See—*
Hicks, Percy W.; and Gale, Michael R., 3,794,775.

Gale, Myron C. Manhole cover puller and method. 3,837,622, 9-24-74, Cl. 254-131.000.

Gale, Richard M.; and Lively, David H., to Lilly, Eli, and Company. Dipetide antibiotic and method for the production thereof. 3,832,287, 8-27-74, Cl. 195-81.000.

Gale, W. D., Inc.: *See—*
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Gale, Wilfred Ernest. Punching machine. 3,851,553, 12-3-74, Cl. 83-529.000.

Galea, Joseph, to Austin, Gordon Maxwell. Speed indicator. 3,832,634, 8-27-74, Cl. 324-160.000.

Galen, Allen. Rotatable display device. 3,782,014, 1-1-74, Cl. 40-64.00r.

Galer, Herbert W., to United States Steel Corporation. Securely closed containers. 3,794,201, 2-26-74, Cl. 215-9.000.

Galerne, Jean, to Eugene-Gallia, Societe Anonyme. Waving or uncurling hair with a composition containing an amino acid alkali metal carbonate. 3,823,232, 7-9-74, Cl. 424-72.000.

Galey, William F., to PPG Industries, Inc. Method of and apparatus for forming sheet glass on metal. 3,843,344, 10-22-74, Cl. 65-65.00a.

Galgoczy, Gabor; Gyulai, Zoltan; Palagyi, Tivadar; and Wagensommer, Jozsef. Non-slip, high strength bolted joints. 3,828,515, 8-13-74, Cl. 52-758.00f.

Galiani, Roberto. Elastic supporting surface and method for its production. 3,784,992, 1-15-74, Cl. 5-186.00r.

Galiano, Francis R.; Kellum, Gene E.; King, Terry R.; and Rankin, David, to Gulf Research & Development Company. Catalyst composition for the polymerization of olefins. 3,819,598, 6-25-74, Cl. 260-94.90d.

Galich, Thomas Patrick. Joint apparatus for sectioned skis or the like. 3,825,360, 7-23-74, Cl. 403-294.000.

Galigher Company, The: *See—*
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Galis, Alex J. Self-propelled haulage vehicle. 3,809,262, 5-7-74, Cl. 214-152.000.

Galisz, Laszlo; and Vali, Miklos. Rotary barbecue device. 3,848,523, 11-19-74, Cl. 99-421.00h.

Galitenko, Mikhail Mitrofanovich: *See—*
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Galkin, Pavel Vladimirovich; and Rudenko, Nikolai Antonovich. Method for inserting weft in shuttleless looms. 3,826,289, 7-30-74, Cl. 139-127.00r.

Gall, James W., to Phillips Petroleum Company. Method for selectively reducing brine permeability in a subterraneanoil-wet formation. 3,833,061, 9-3-74, Cl. 166-294.000.

Gall, John S.; and Halek, George W., to Celanese Corporation. Process for making polybutylene terephthalate blow molded article. 3,814,786, 6-4-74, Cl. 264-98.000.

Gall, Martin: *See—*
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Hester, Jackson B., Jr.; and Gall, Martin, 3,852,461

Gall, Martin; and Hester, Jackson B., Jr., to Upjohn Company, The. Certain triazolyl benzhydrol compounds. 3,813,412, 5-28-74, Cl 260-308.00r.

Gall, Martin; and Hester, Jackson B., Jr., to Upjohn Company, The. Certain 1-aminomethyl-6-phenyl 4H-s-triazolo (4,3,a) (1,4) benzodiazepines. 3,842,090, 10-15-74, Cl. 260-247.100.

Gall, Rudi: *See—*
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Gallaccio, Anthony: *See—*
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Gallacher, Laurence Vincent, to American Cyanamid Company. Method for preparing fibrous polyolefin materials. 3,796,778, 3-12-74, Cl. 264-49.000.

Gallacher, Lawrence Vincent, to American Cyanamid Company. Fibrous polyethylene materials. 3,783,093, 1-1-74, Cl. 161-170.000.

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Gallagher, Bernard J.; Shufflebarger, Earl D.; Simko, David M., Medvick, Richard J., Boylan, John R., and Danko, Oliver L., to Nupro Company. Bellows sealed butterfly valve. 3,782,685, 1-1-74, Cl. 251-306.000.

Gallagher, Bernard J.; Shufflebarger, Earl D.; Simko, David M.; Nedvich, Richard J.; Boylan, John R.; and Danko, Oliver L., to Nupro Company. Bellows sealed butterfly valve. 3,811,651, 5-21-74, Cl. 251-335.00b.

Gallagher, Bernard J., Jr. Recording system for judicial proceedings. 3,798,387, 3-19-74, Cl. 179-100.2md.

Gallagher, Brendan; and Last, Anthony Graham Marshall, to Imperial Chemical Industries, Limited Production of extruded foamed

synthetic thermoplastic polymer materials. 3,787,542, 1-22-74, Cl. 264-51.000.
Gallagher, Brendan; and Last, Anthony Graham Marshall, to Imperial Chemical Industries, Limited. Dispersion of materials in thermoplastics. 3,856,442, 12-24-74, Cl. 425-4.00c.
Gallagher, Cornelius A.; and Glazar, Arthur J., to Servo Corporation of America. Roller bearing discriminator for a railroad hot box detector system. 3,812,343, 5-21-74, Cl. 246-169.00a.
Gallagher, Edward F., to Gallagher-Kaiser Corporation. Air washer. 3,782,080, 1-1-74, Cl. 55-226.000.
Gallagher, Edward L.; and Limacher, Robert W., to A-T-O Inc. Mounting template and installation shield. 3,795,983, 3-12-74, Cl. 33-189.000.
Gallagher, Edward L., to A-T-O Inc. Warning device for fire protection system. 3,804,054, 4-16-74, Cl. 116-106.000.
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Gallagher, Howard L.; Limacher, Robert W.; and House, Kenneth, to A-T-O Inc. Fuse construction and mounting. 3,803,527, 4-9-74, Cl. 337-409.000.
Gallagher, James P.; and Krenzke, Leonard D. Platinum-rhenium hydrocarbon conversion process. 3,816,300, 6-11-74, Cl. 208-139.000.
Gallagher, John B.; and Van Ness, Laverne W., to Wilson Pharmaceutical & Chemical Corporation. Process for preparing high activity pepsin. 3,796,636, 3-12-74, Cl. 195-66.000r.
Gallagher, John D. Aircraft approach guide. 3,825,180, 7-23-74, Cl. 235-78.000.
Gallagher, John F.; and Salo, Martin, to Eastman Kodak Company. Article of manufacture having a glossy substrate surface coated with a matte surface coating. 3,811,924, 5-21-74, Cl. 117-76.00p.
Gallagher, John J.: *See—*
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Gallagher, John P., to Dick, A. B., Company. Blade for scraping liquids from a relatively moving surface. 3,788,219, 1-29-74, Cl. 101-425.000.
Gallagher, John P.; Meyers, Robert M.; and Surg, Earl H., to Thiokol Chemical Corporation, mesne. Liquid polysulfide polymer glass-to-metal sealant composition. 3,852,214, 12-3-74, Cl. 252-403.000.
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Gallagher, Peter Christopher John; and Kotler, Gerald R., to NL Industries, Inc. Method for casting metal tennis racquet. 3,815,660, 6-11-74, Cl. 164-112.000.
Gallagher, Ruth, to Stauffer Chemical Company. Graft copolymer additives for vinyl chloride polymer compositions. 3,821,329, 6-28-74, Cl. 260-885.000.
Gallagher, Ruth, to Stauffer Chemical Company. Additives for the preparation of clear, impact resistant vinyl chloride polymer compositions. 3,840,620, 10-8-74, Cl. 260-899.000.
Gallagher, Ruth E.; Harrington, Charles L.; and Wachtel, Melvin, to Stauffer Chemical Company. Suspension emulsion interpolymers. 3,832,318, 8-27-74, Cl. 260-29.7up.
Gallagher, William E., to Procter & Gamble Company, The. Pulsating-flow coffee extraction process. 3,800,055, 3-26-74, Cl. 426-432.000.
Gallagher-Kaiser Corporation: *See—*
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Gallaiin, Norman W. Trapezoidal trailer hitch. 3,790,191, 2-5-74, Cl. 280-456.000.
Gallanis, George P.; and Spohr, Albert R., to Sunbeam Corporation. Electric appliance. 3,783,364, 1-1-74, Cl. 320-2.000.
Gallanis, George P.; and Komatsu, Ikuo I., to Sunbeam Corporation. Power drive hair combing appliance. 3,794,050, 2-26-74, Cl. 132-11.00a.
Gallant, George A., to Simmonds Precision Products, Inc. Phase measurement circuit. 3,805,153, 4-16-74, Cl. 324-83.00a.
Gallant, James O., to Mount Hope Machinery Company. Curved roll. 3,783,481, 1-8-74, Cl. 29-116.0ad.
Gallant, Reginald R.; Swain, Roger S.; and Waterman, Neil S., to Atlantic Design & Development Corporation. Integrated push button panel for controlling aircraft instrumentalities. 3,798,611, 3-19-74, Cl. 340-172.500.
Gallap, Francis, to Exhibit Homes, Inc. Mold for forming a laminated plastic panel. 3,809,357, 5-7-74, Cl. 249-161.000.
Gallard, Henry Emile; Ward, Geoffrey Alfred Layzell; Howell, Barry George; and Hill, Alan Harvey. Plastics extrusion apparatus. 3,806,099, 4-23-74, Cl. 259-194.000.
Gallard, Henry Emile; Ward, Geoffrey Alfred Layzell; Howell, Barry George; and Hill, Alan Harvey, to British Insulated Callender's Cables, Limited. Process for producing a cellular polymeric extrudate of uniform crypss sectional area. 3,806,569, 4-23-74, C. 264-50.000.
Gallatin, Paul M.: *See—*
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Gallay, Jean-Jacques, to Ciba-Geigy Corporation. 1,3-Benzodioxol-2-thiones, process of manufacture and method of use. 3,790,601, 2-5-74, Cl. 260-340.500.
Gallay, Jean-Jacques; Bosshard, Rene; and Brenneisen, Paul, to Ciba-Geigy Corporation. Isothiocyanobenzazoles. 3,849,431, 11-19-74, Cl. 260-306.60r.
Gallay, Maurice. Inclinable jib for hoisting and transporting loads, in particular for cranes. 3,815,759, 6-11-74, Cl. 212-8.00a.
Galle, Edward L., to Pillsbury Company, The. Process for producing milled stabilized wheat germ. 3,783,164, 1-1-74, Cl. 426-312.000.
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Galloway, James H., to Oxy Metal Finishing Corporation. Balancing assembly for parallelled rectifiers. 3,842,336, 10-15-74, Cl. 321-27.00r.
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Galloway, Lawrence Henry, to Illinois Tool Works Inc. Anchor bolt. 3,799,027, 3-26-74, Cl. 85-79.000.
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Gamarra, Jose P.; Swidler, Ronald; and Wilson, Katherine W., to Cotton Incorporated. Durable press process for treating cellulosic material with methylolamides and acetic acid or formic acid vapors. 3,811,131, 5-21-74, Cl. 2-243.000.
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Gambaretto, Gian Paolo; Tlaamini, Gianpietro; and Palma, Giancarlo, to Montecatini Edison S.p.A. Process for the chlorination of polymeric materials. 3,813,370, 5-28-74, Cl. 260-88.20s.
Gambashidze, Zurab Dmitrievich: *See—*
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Gamer, Abram Yakovlevich; and Shandalov, Efim Mikhelevich. Fluid-signal indicator. 3,820,396, 6-28-74, Cl. 73-308.000.

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Games, John E.; and Casper, Clarence, Jr., to United Aircraft Corporation. Electronic waypoint bearing converter. 3,851,159, 11-26-74, Cl. 235-150.270.

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Ganderton, David; McAinsh, James; and Varney, Gordon, to Imperial Chemical Industries Limited. Dressing. 3,814,097, 6-4-74, Cl. 128-268.000.

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Gandhi, Niranjan R.; and Richardson, Gary H., to Utah State University Foundation. Automatic protein analysis system and method. 3,841,834, 10-15-74, Cl. 23-231.000.

Gandhi, O. P.; and Metz, L. S., to University of Utah. High gain solid-state distributed interaction microwave amplifier. 3,833,858, 9-3-74, Cl. 330-5.000.

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Gandon, Louis; Bozec, Christian H.; and Lenoble, Phillippe B., to Le Nickel. Method for producing high-purity nickel from nickel matte. 3,839,168, 10-1-74, Cl. 204-113.000.

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Gange, Robert Allen; Nagle, Eugene Michael; and Steinmetz, Carl Charles, to RCA Corporation. Holographic thermoplastic memory system. 3,851,948, 12-3-74, Cl. 350-3.500.

Gangelhoff, Fred R.; and Beyer, Harry A. Knife grinding and honing machine. 3,811,226, 5-21-74, Cl. 51-8.00r.

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Ganier, Mark. Mortise tool. 3,850,211, 11-26-74, Cl. 144-27.000.

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Gannaway, Edwin L., to Copeland Corporation. Hermetic motor-compressor. 3,807,907, 4-30-74, Cl. 417-415.000

Gano, Orville. Anti-pollution internal combustion engine. 3,783,610, 1-8-74, Cl. 60-16.000.

Gans, Werner A.: *See—*
Alchorn, Terence R.; Gans, Werner A.; and Mellana, William D., 3,851,587.

Ganser, Wilhelm, to Uniroyal AG. Radially expandable and contractible mandrel. 3,834,257, 9-10-74, Cl. 82-44.000.

Gansert, Willi: *See—*
Glockler, Otto; Eichler, Dieter; Gansert, Willi; Schulzke, Peter; Singer, Erich; Soll, Wolfgang; and Eisele, Hermann, 3,807,376.

Ganskopp, William F.; and Edney, Carl, to Gan-Ed, Incorporated. Portable motorized golf cart. 3,815,699, 6-11-74, Cl. 180-11.000.

Gansser, Robert E.: *See—*
Otrhalek, Joseph V.; and Gansser, Robert E., 3,793,221.
Otrhalek, Joseph V.; and Gansser, Robert E., 3,832,234.

Ganssmantel, Horst, to Licentia Patent-Verwaltungs-G.m.b.H. Circuit arrangement for synchronizing pulse bursts. 3,858,007, 12-31-74, Cl. 179-15.0bs.

Ganteaume, Harry. Portable article containing table construction. 3,850,114, 11-26-74, Cl. 108-38.000.

Ganteaume, Robert A. Event recorder. 3,785,261, 1-15-74, Cl. 95-12.000.

Ganter, Wolfgang: *See—*
Assmus, Friedrich; and Ganter, Wolfgang, 3,805,509.

Ganter, Wolfgang; and Dinger, Horst, to Gebruder Junghans G.m.b.H., Firma. Electromechanic driving mechanism for the hands of a timepiece. 3,783,600, 1-8-74, Cl. 58-28.00b.

Ganther, Kenneth R., Jr.: *See—*
King, Edward J., Jr.; Ganther, Kenneth R., Jr.; and Grillot, Ronald Eugene, 3,838,427.

Ganti, Venkat Rao: *See—*
Szabo, Karoly; and Ganti, Venkat Rao, 3,803,208.
Szabo, Karoly; and Ganti, Venkat Rao, 3,823,178.

Gantis-Vedejs, Arthur: *See—*
Henn, Robert Walter; Scholly, Christian; Voytko, James Emery; Williford, Thomas Leslie, Jr.; McGonigal, Charles; Frey, Dean Rudisill; Smith, Donald Tolmon; and Gantis-Vedejs, Arthur, 3,858,158.

Gantre, Franz; Zywietz, Walter; Seiz, Rudolf; and Eickhoff, Heinz, to Hoesch Aktiengesellschaft and Bochumer Eisenhutte Heintzmann & Co. Lining system for tunnels and like passages. 3,783,625, 1-8-74, Cl. 61-45.00r.

Gantt, James E., to Universal Oil Products Company. Riser-reactor system providing improved fluidized catalyst contacting. 3,799,868, 3-26-74, Cl. 208-153.000.

Ganz Brothers, Inc.: *See—*
Morgese, Nicholas V.; and Ganz, Robert H., 3,834,525.

Ganz, Ernest D., to National Components Industries, Inc. Anode for solid electrolyte capacitor. 3,818,286, 6-18-74, Cl. 317-230.000.

Ganz, Robert H.: *See—*
Morgese, Nicholas V.; and Ganz, Robert H., 3,834,525.

Ganz, Robert H., to Federal Paper Board Company, Inc. Wrapping machine. 3,815,320, 6-11-74, Cl. 53-48.000.

Ganz, Robert H. Packaging machine. 3,848,519, 11-19-74, Cl. 93-53.0sd.

Ganz, Walter C., to K.C. Pen Co., Inc. Writing instrument. 3,792,931, 2-19-74, Cl. 401-109.000.

Ganzert, Albert E.; Gaizauskas, Bronius; Andrychowski, Leonard; and Mina, Nabil, to Akzona Incorporated. Current transformer connector. 3,851,944, 12-3-74, Cl. 339-19.000.

Ganzhorn U. Stirn Kommanditgesellschaft: *See—*
Turtschan, Alfons, 3,808,772.

Ganzinotti, Jean-Victor, to Pneumatiques Caoutchouc Manufacture et Plastiques Kleber-Colombes. Inflatable barriers for watercourses. 3,855,800, 12-24-74, Cl. 61-29.000.

G.A.O. Gesellschaft fur Automation und Organisation mbH: *See—*
Lamping, Wolfram, 3,851,602.

Gapa, John J.: *See—*
Fetscher, Charles A.; and Gapa, John J., 3,804,862.

Gaponov, Vasily Alexandrovich: *See—*
Abramian, Evgeny Aramovich; and Gaponov, Vasily Alexandrovich, 3,798,476.

Gapontsev, Valentin Pavlovich: *See—*
Buzhinsky, Igor Mikhailovich; Gapontsev, Valentin Pavlovich; Zhabotinsky, Mark Efremovich; Izyneev, Anatoly Andreevich; Koryagina, Elizaveta Ivanovna; Kravchenko, Valery Borisovich; Rudnitsky, Jury Petrovich; Sverchkov, Evgeny Ivanovich; Alexeev, Nikolai Eimovich; and Davydov, Boris Leonidovich, 3,846,142.

Gapp, Roland Howard; Alazraki, Marcos Daniel; and Harper, John, to Textron, Inc. Bimetal rivets. 3,848,389, 11-19-74, Cl. 52-758.00d.

Gappa, Gunther: *See—*
Juntgen, Harald; Knoblauch, Karl; Zundorf, Dieter; and Gappa, Gunther, 3,788,985.

Gappisch, Max; Walter, Friedrich Claus; and Pollmacher, Horst, to Argus Gesellschaft mbH. Device for the flow control of media, particularly contaminated liquids and/or gases. 3,785,404, 1-15-74, Cl. 137-614.000.

Gapshenko, Alexei Lavrentievich: *See—*
Paton, Boris Evgenievich; Makara, Arseny Martinovich, Lebedev, Vladimir Konstantinovich, Mosendz, Nikolai Alexandrovich; Pinchuk, Nina Ivanovna; Zhovnitsky, Igor Pavlovich; Nosatov, Valery Alexandrovich; Staruschenko, Elena Mikhailovna; Kuznetsov, Evgeny Ptrovich; Kalmykov, Valery Petrovich; Karpov, Vladimir Fedorovich; Dovzhenko, Alexei Fedorovich; Shanin, Nikolai Ilich; Piven, Grigory Antonovich; Gapshenko, Alexei Lavrentievich; Zuev, Boris Petrovich; Konstantinov, Nikolai Nikolaevich; and Popovichenko, Aexandr Maximovich, 3,807,485.
Piven, Grigory Antonovich; Khodich, Nikifor Karpovich, Gapshenko, Alexei Lavrentievich; and Fursov, Nikolai Nikolaevich, 3,820,585.

Garabedian, Taniel A.: *See—*
Hug, Delmar O., and Garabedian, Taniel A., 3,832,410.

Garand, Donald J.: *See—*
Borelli, Ronald F.; and Garand, Donald J., 3,839,071.

Garanelo, Kirk T.: *See—*
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Garanov, Viktor Nikolaevich: *See—*
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Garavalia, Ronald C. J., to GTE Automatic Electric Laboratories, Incorporated. Crosspoint matrix arrangement for space-division communication switching network. 3,851,124, 11-26-74, Cl. 179-186.00r.

Garavelli, Frank D.: *See—*
Milette, Kenneth A.; Garavelli, Frank D., and Tolleson, Thomas H., 3,836,194.

Garavelli, Giancarlo, to Isernia Aktiengesellschaft. Machine for making ice cream. 3,797,268, 3-19-74, Cl. 62-258.000.

Garavelli, Giancarlo, to Isernia Aktiengesellschaft, mesne. Ice cream making machine. 3,802,217, 4-9-74, Cl. 62-306.000.

Garbalizer Corporation of America: *See—*
Brewer, John C., 3,794,250.
Brewer, John C., 3,814,336.
Brewer, John C., 3,831,789.
Brewer, John C., 3,840,187.
Brewer, John C., 3,856,217.

Garbark, Roman F., to Gottlieb, D., & Company. Add and subtract relay. 3,793,510, 2-19-74, Cl. 235-92.0ev.

Garbe, Dietmar Rudolf; and McDonnell, Harry. Apparatus and method for incontinence control. 3,800,800, 4-2-74, Cl. 128-408.000.

Garbe, Siegfried, to Nilodor Company, The. Timed drop applicator. 3,804,592, 4-16-74, Cl. 21-121.000.

Garbe, Siegfried A. E.; Zalm, Pieter, and Pastoor, Willem, to U.S. Philips Corporation. Method of manufacturing an electric discharge tube having an electron emitting electrode comprising a cesium-containing layer on a support. 3,811,002, 5-14-74, Cl. 316-500.

Garber, John W., Jr. Aquarium. 3,848,567, 11-19-74, Cl. 119-5.000.

Garbi, Frank. Electromagnetic drive system. 3,792,295, 2-12-74, Cl. 310-46.000.

Garbick, John R.; and Miller, Jerald E., to Armstrong Cork Company. Method of cutting a joint in a ceiling tile. 3,782,433, 1-1-74, Cl. 144-323.000

Garbo, Paul W.: *See—*
Tsunoda, Kenneth, 3,799,025.

Tsunoda, Kenneth, 3,857,296.

Garbo, Paul W., to Chemothermic Industries, Inc. Carbon black production. 3,840,344, 10-8-74, Cl. 23-259.500.

Garbo, Paul W. Method for cleaning liquid filter beds. 3,846,304, 11-5-74, Cl. 210-80.000.

Garbo, Paul W. Oxygenation of waste water. 3,855,120, 12-17-74, Cl. 210-3.000.

Garbolino, Henri. Closing ferrules for hollow rods and canes, notably for fishing rods. 3,830,006, 8-20-74, Cl. 43-23.000.

Garboushian, Vahan. Hermetically sealed mounting structure for miniature electronic circuitry. 3,833,753, 9-3-74, Cl. 174-52.00s.

Garbovitsky-Gordon, Alexandr Iosipovich: *See—*
Groza, Viktor Filimonovich; Drozdov, Nikolai Ivanovich; Sharapov, Jury Nikolaevich; Garbovitsky-Gordon, Alexandr Iosipovich; Shakhpazov, Khristofor Sergeevich; Filatov, Nikolai Grigorievich; Skripnik, Ivan Timofeevich; Semkin, Alexei Trofimovich; Vasiliev,Vladimir Ivanovich; Judin, Valentin Dmitrievich; Belenky, Evgeny Jurievich; Grigorenko, Anatoly Evgenievich; and Baryshnikov, Gennady Fedorovich, 3,785,139.

Garbrecht, William L., to Lilly, Eli, and Company. Cephalexin intermediate. 3,853,861, 12-10-74, Cl. 260-243.00c.

Garbrick, Vernon H. Metal roof construction. 3,796,014, 3-12-74, Cl. 52-24.000.

Garcea, Giampaolo, to Alfa Romeo S.p.A. Automatic non-return valve. 3,804,113, 4-16-74, Cl. 137-496.000.

Garcea, Giampaolo; and Radaelli, Dario, to ALFA Romeo S.p.A. Cooling system for an internal combustion engine. 3,805,748, 4-23-74, Cl. 123-41.100.

Garcea, Giampaolo, to Alfa Romeo S.p.A. Device for adjusting the ignition phase of an internal combustion engine. 3,807,372, 4-30-74, Cl. 123-117.00r.

Garcea, Giampaolo, to Alfa Romeo S.p.A. Device for the post-combustion of the unburnt substances in the exhaust gases of the internal combustion engine of a motor vehicle. 3,820,328, 6-28-74, Cl. 60-288.000.

Garcea, Giampaolo, to Alfa Romeo S.p.A. Device for regulating the rate of flow of recycled exhaust gases in an internal combustion engine. 3,844,261, 10-29-74, Cl. 123-119.00a.

Garcea, Giampaolo, to Alfa Romeo, S.p.A. Anti-skid device for motor vehicles. 3,844,371, 10-29-74, Cl. 180-77.00r.

Garcea, Giampaolo; and Volontieri, Aldo, to Alfa Romeo S.p.A. Electric power feed circuit for utilizing devices installed on motor vehicles. 3,854,053, 12-10-74, Cl. 290-38.000.

Garcea, Gian Paolo, to Alfa Romeo S.p.A. Regulator based on the control of a member having variable impedance surface-characteristics, particularly for feed adjustment in I.C. engines. 3,792,343, 2-12-74, Cl. 323-82.000.

Garcea, Gianpaolo, to Romeo, Alfa, S.p.A. Heat exchanger. 3,802,499, 4-9-74, Cl. 165-163.000.

Garceau, Harry A., to Webster Spring Co., Inc. Spring assembly. 3,789,440, 2-5-74, Cl. 5-256.000.

Garcia, Alfredo, Jr.: *See—*
Schmidt, John P.; and Garcia, Alfredo, Jr., 3,843,488.

Garcia Corporation, The: *See—*
Gregory, Francis J., 3,841,015.

Garcia, Emilio C. Apparatus for and method of carrying marine cargo. 3,796,176, 3-12-74, Cl. 114-43.500.

Garcia, Emilio C. Method of building tankers for preventing oil spills in case of wreck. 3,832,966, 9-3-74, Cl. 114-74.00r.

Garcia, Felipe: *See—*
Katz, Carlos; Garcia, Felipe; and Allam, Elsayed, 3,825,670.

Garcia, Felipe G.: *See—*
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Garcia, Hernando Javier: *See—*
Peek, Benjamin Roger; and Garcia, Hernando Javier, 3,806,663.

Garcia, Joe N., to Yoakum, Marshall. Jump suit with adjustable trunk. 3,789,429, 2-5-74, Cl. 2-79.000.

Garcia, Jose E., to International Business Machines Corporation. System for data compression by dual word coding having photosensitive memory and associated scanning mechanism. 3,830,963, 8-20-74, Cl. 178-6.000.

Garcia, Jose M. S., to Age Bodegas Unidas, S.A. Bottle with protective and decorative coverings. 3,820,677, 6-28-74, Cl. 215-12.00r.

Garcia, Juan A., to Esso Production Research Company. System and method for separating heavier and lighter components of liquid mixtures. 3,784,468, 1-8-74, Cl. 210-44.000.

Garcia, Juan A., to Esso Production Research Company. Liquid-liquid separation. 3,830,371, 8-20-74, Cl. 210-265.000.

Garcia, Luis: *See—*
Leasure, William C.; and Garcia, Luis, 3,785,112.

Garcia, Luis A.; Boullon, Jose R.; and Mandarious, Samia S. Plasma volume expander prepared from Cohn IV Precipitate using block copolymers of ethylene oxide and polyoxypropylene. 3,850,903, 11-26-74, Cl. 260-112.00b.

Garcia, Paulina P.: *See—*
Borror, Alan L.; and Garcia, Paulina P., 3,816,123.

Garcia Ponce, Carlos I. Multi-level, pleated filter array. 3,827,566, 8-6-74, Cl. 210-338.000.

Garcia, Richardo L., to Grayhill, Inc. Miniature multi-position rotary switch with flexible contact arrangements and inner housing cylindrical sleeve. 3,803,370, 4-9-74, Cl. 200-11.00j.

Garcia, Ronald M.: *See—*
Forchini, James F.; and Garcia, Ronald M., 3,850,595.

Garcin, Georges, to Ste. Nouvelle de Roulements (S. N. R.). Work feed devices for centreless grinding machines. 3,848,370, 11-19-74, Cl. 51-237.000.

Garcin, Maurice; and Gauthier, Adrien, to Societe Les Piles Wonder. Electrochemical generators of the metal-air or metal-oxygen type. 3,836,398, 9-17-74, Cl. 136-86.00a.

Garconnat, Michel: *See—*
Levasseur, Georges; and Garconnat, Michel, 3,851,256.

Gard, Jerold H., to Kaiser Aerospace & Electronics Corporation. Multiplexed infrared imaging system. 3,804,976, 4-16-74, Cl. 178-6.800.

Garde, Lawrence; and Ritter, Rolland R., to Control Data Corporation. Compensated baseline circuit. 3,838,448, 9-24-74, Cl. 360-45.000.

Gardel, Robert; and Gorsky, Egon, to Mattel, Inc. Automatic shifter accessory for bicycles. 3,830,521, 8-20-74, Cl. 280-236.000.

Gardella, Adriano. Brake unit for the warp beam of weaving looms. 3,799,210, 3-26-74, Cl. 139-100.000.

Gardella, Adriano. Selvedge forming apparatus in shuttleless looms. 3,811,479, 5-21-74, Cl. 139-124.00a.

Gardella, Adriano. Clutch for a stretching mechanism in a spinning or twisting machine. 3,815,349, 6-11-74, Cl. 57-83.000.

Gardella, Adriano. Process for the production of yarns. 3,815,350, 6-11-74, Cl. 57-167.000.

Gardella, Adriano. Weft stop motion shuttleless looms. 3,841,359, 10-15-74, Cl. 139-370.000.

Gardella, Arthur J.: *See—*
Stenger, Richard E.; Gardella, Arthur J.; and Campbell, Thomas C., 3,854,285.

Gardella, John M.; Ciavattoni, Anthony; and Kiefer, Robert Albert, to Pennwalt Corporation. Dental mixing capsule. 3,831,742, 8-27-74, Cl. 206-219.000.

Garden Industries, Inc.: *See—*
Barrett, Robert, 3,791,421.

Gardenier, Hugh E., to Aronetics, Inc. Heat exchanger. 3,842,904, 10-22-74, Cl. 165-145:000.

Gardenier, Hugh Emory, to Aronetics, Inc. Process and apparatus for cleansing and pumping contaminated industrial gases using a nozzle having a variable throat area. 3,782,074, 1-1-74, Cl. 55-19.000.

Gardens, Valois: *See—*
Bagli, Jehan F.; Gardens, Valois; and Bogri, Tibor, 3,808,258.

Gardeski, Thomas F., to Minnesota Mining and Manufacturing Company. Thermosetting polycyanate resin. 3,803,088, 4-9-74, Cl. 260-47.0cz.

Gardetto, John J.: *See—*
Grevich, John J.; and Gardetto, John J., 3,819,194.

Gardi, Rinaldo: *See—*
Ercoli, Alberto; and Gardi, Rinaldo, 3,784,692.
Ercoli, Alberto; and Gardi, Rinaldo, 3,789,121.
Ercoli, Alberto; Gardi, Rinaldo; and Vitali, Romano, 3,803,182.
Ercoli, Alberto; Gardi, Rinaldo; and Vitali, Romano, 3,828,081.
Ercoli, Alberto; Gardi, Rinaldo; and Vitali, Romano, 3,857,941.

Gardi, Rinaldo; Vitali, Romano; and Falconi, Giovanni, to Warner-Lambert Company. Estratriene derivatives. 3,840,568, 10-8-74, Cl. 260-397.500.

Gardi, Rinaldo; and Vitali, Romano, to Warner-Lambert Company. Ethers of the pregnane series. 3,842,075, 10-15-74, Cl. 260-239.55d.

Gardikes, John J.; and Kim, Young U., to Ashland Oil Inc. Foundry binder composition comprising a ketone-aldehyde product. 3,806,491, 4-23-74, Cl. 260-42.430.

Gardineer, Bayard G.; and Panissidi, Hugo A., to International Business Machines Corporation. Linear hydraulic drive system. 3,848,515, 11-19-74, Cl. 91-184.000.

Gardiner, Arthur Noel; and Stern, Herman Abraham, to RCA Corporation. Liquid crystal device closure method. 3,808,769, 5-7-74, Cl. 53-43.000.

Gardiner, Derek J.: *See—*
Curtiss, Robert H.; Gardiner, Derek J.; and Lazarow, Seldan A., 3,795,186.

Gardiner, Derek J., to Iomec Corporation. Multifont selection. 3,845,709, 11-5-74, Cl. 101-93.00c.

Gardiner, Donald A.: *See—*
Davis, Otho; and Gardiner, Donald A., 3,816,946.

Gardiner, Frances R.: *See—*
Murray, Jerome L.; and Gardiner, Frances R., 3,847,149.

Gardiner, Gregory E., to Environmental Maintenance Corporation. Liquid clarifying for removing particles from a gas stream. 3,834,128, 9-10-74, Cl. 55-228.000.

Gardiner, Philip M., 1/4 each to Beaver, Jeffrey B.; Goulet, Real J.; and Zion, Julius. Furnace for separation of volatile constituents of ores. 3,801,081, 4-2-74, Cl. 266-17.000.

Gardiner, William; and Briggs, Kenneth, to Glaxo Laboratories Limited. Sampling device. 3,830,106, 8-20-74, Cl. 73-421.00b.

Gardiner, William; and Saunders, Frederick Charles, to Dow Corning Limited. Process for rendering kerotinous fibers resistant to shrinkage. 3,832,228, 8-27-74, Cl. 117-141.000.

Gardiol, Maurice: *See—*
Recasens, Joseph; and Gardiol, Maurice, 3,837,870.

Gardisette GmbH, Firma: *See—*
Schmitz, Rudolf; and Saerbeck, Baier, 3,818,970.

Gardner, Clarence G.: *See—*
Birdwell, James A.; Barton, John R.; and Gardner, Clarence G., 3,783,370.

Gardner, Clive D. Truck wheel dolly. 3,836,027, 9-17-74, Cl. 214-331.000.

Gardner, Conrad O. Feedback modulation of exhaust gases in internal combustion engines. 3,788,284, 1-29-74, Cl. 123-119.00a.

Gardner, Conrad O. Highway drainage and exhaust system. 3,791,752, 2-12-74, Cl. 404-2.000.

Gardner, David Stanley John; and Morrell, John Anthony, to White Tomkins, Limited. Bitter substances and their preparation. 3,790,686, 2-5-74, Cl. 426-349.000.

Gardner, David Stanley John, to White Tomkins Limited. Purification of hop extracts. 3,794,744, 2-26-74, Cl. 426-424.000.

Gardner, Delbert J.: *See—*
Tam, George M.; Gardner, Delbert J.; Grabe, Frederick G.; Putt, James B.; Owens, Carl D.; and Sisco, William C., 3,789,735.

Gardner, Edward Boyd, to Emhart Corporation. Article inspection system. 3,837,486, 9-24-74, Cl. 209-111.700.

Gardner, Frank H.; Stroup, Norman G.; and Krukow, Eugene J., to International Harvester Company. Reverse lockout. 3,808,784, 5-7-74, Cl. 56-208.000.

Gardner, Gary A.: *See—*
Winter, Phillip M.; and Gardner, Gary A., 3,857,750.

Gardner, Gary E.: *See—*
Doyle, John F.; Gardner, Gary E.; and Elliot, Raymond S., 3,796,138.

Gardner, Gerald Marvin, to Image Analysing Computers Limited. Video signal sampling device for use in image analysis systems. 3,811,109, 5-14-74, Cl. 340-146.3ac.

Gardner, Gerald Marvin, to Image Analysing Computers Limited. Automated image analysis employing automatic focussing. 3,816,651, 6-11-74, Cl. 178-7.200.

Gardner, Guy F.; and Boyak, Arnold C., to Massey-Ferguson Inc. Spring cushion shank mounting assembly. 3,825,073, 7-23-74, Cl. 172-710.000.

Gardner, Harris L. Knee brace. 3,799,158, 3-26-74, Cl. 128-80.00c.

Gardner, James F., to Crane Packing Company. Gap seal with thermal and pressure distortion compensation. 3,804,424, 4-16-74, Cl. 277-27.000.

Gardner, James J.: *See—*
Boltz, Duane A.; Gardner, James J.; and Hautau, Charles F., 3,835,620.

Gardner, Jeffrey M., to Container Corporation of America. Self-locking tray. 3,810,574, 5-14-74, Cl. 229-31.0fs.

Gardner, Jimmy D., to Mission Manufacturing Company. Method of mounting cutter inserts in bit bodies and removing the same therefrom. 3,805,364, 4-23-74, Cl. 29-426.000.

Gardner, John A., Jr.; and Brown, Merle S., to Jet Spray Cooler, Inc. Hot liquid dispenser. 3,790,028, 2-5-74, Cl. 222-129.400.

Gardner, John A., Jr.; and Brown, Merle S., to Jet Spray Cooler, Inc. Hot liquid dispenser reverse flow sensor with check valve slider and magnetically operated switch. 3,851,127, 11-26-74, Cl. 200-61.860.

Gardner, John Nicholson, to Hoffmann-La Roche Inc. Reduction of sulfones. 3,819,652, 6-25-74, Cl. 260-332.800.

Gardner, John Nicholson, to Smith Kline & French Laboratories. Guanidinoalkylbenzodioxan derivatives. 3,829,441, 8-13-74, Cl. 260-340.300.

Gardner, John Nicholson; and Kochling, Josef, to Hoffmann-La Roche Inc. Preparation of triaryl phosphines. 3,847,999, 11-12-74, Cl. 260-606.50p.

Gardner, Johnny Berten, to Dow Chemical Company, The. Dehydrogenation of ethylbenzene to styrene in the presence of a halohydrocarbon. 3,839,478, 10-1-74, Cl. 260-669.00r.

Gardner, Keith L.; and La Baw, Kenneth B., to United States of America, Navy. Lateral photodetectors. 3,792,257, 2-12-74, Cl. 250-211.00j.

Gardner, Lloyd E., to Phillips Petroleum Company. Hydrodehalogenation catalyst. 3,789,016, 1-29-74, Cl. 252-437.000.

Gardner, Lloyd E., to Phillips Petroleum Company. Conversion of gem-difluoro compounds to fluoroalkenes and fluoroalkapolyenes. 3,829,513, 8-13-74, Cl. 260-653.500.

Gardner, Lloyd E.; and Mahan, John E., to Phillips Petroleum Company. Paraffin isomerization utilizing HF to change the selectively of $HSbF_6$ catalyst. 3,833,679, 9-3-74, Cl. 260-683.680.

Gardner, Mervin Amos: *See—*
Glover, Douglas Wade; Gardner, Mervin Amos; and Johnson, Erlon Fitch, 3,824,553.

Gardner, Orian R. Burner for light combustible materials. 3,818,848, 6-25-74, Cl. 110-18.00r.

Gardner, Paul S.: *See—*
Fisher, Max; and Gardner, Paul S., 3,808,842.

Gardner, Ray E., to Eastman Kodak Company. Ultrasonic film splicing apparatus. 3,822,169, 7-2-74, Cl. 156-545.000.

Gardner, Richard A.; and Wilcox, David L., to International Business Machines Corporation. Process for the preparation of mullite by a solid state reaction. 3,826,813, 7-30-74, Cl. 423-328.000.

Gardner, Richard A.; and Wilcox, David L., to International Business Machines Corporation. Mullite package for integrated circuit devices. 3,857,923, 12-31-74, Cl. 423-327.000.

Gardner, Richard H., to Goodrich, B. F., Company, The. Disc brake with adjustable cam operator and thrust distributer. 3,830,343, 8-20-74, Cl. 188-71.800.

Gardner, Richard H., to Goodrich, B. F., Company, The. Parking brake. 3,847,254, 11-12-74, Cl. 188-70.00r.

Gardner, Rodney D. Horizontal film editing table. 3,856,389, 12-24-74, Cl. 352-129.000.

Gardner, Ross, Jr., to Cabot Corporation, mesne. Earplugs. 3,811,437, 5-21-74, Cl. 128-152.000.

Gardner, Samuel: *See—*
Wright, Donald; and Gardner, Samuel, 3,795,699.

Gardner, Stanley Frank, to Lucas Aerospace Limited. Liquid atomising devices. 3,799,449, 3-26-74, Cl. 239-403.000.

Gardner, Thomas E.; and Popovici, Mihail C., to Memorex Corporation. Disc drive diagnostic display apparatus. 3,815,097, 6-4-74, Cl. 340-172.500.

Gardner, Thomas W.: *See—*
Barger, J. P.; Crandell, William H.; and Gardner, Thomas W., 3,782,386.

Gardner, Tommy R.: *See—*
Lansford, Robert W.; and Gardner, Tommy R., 3,832,302.

Gardner, Tommy R., to Halliburton Company. Composition and method for the dissolving and complexing of gypsum. 3,808,143, 4-30-74, Cl. 252-82.000.

Gardner, Willis W., to Waukesha Bearing Corporation. Tilting pad journal bearing. 3,787,105, 1-22-74, Cl. 308-73.000.

Gardner, Willis W., to Waukesha Bearings Corporation. Thrust bearing with pad-retaining and lubrication means. 3,814,487, 6-4-74, Cl. 308-160.000.

Gardner, Willis W., to Waukesha Bearings Corporation. Pad construction for tilting pad thrust bearing. 3,829,180, 8-13-74, Cl. 308-160.000.

Gardner-Denver Company: *See—*
Anderson, Floyd R., 3,833,070.
Baker, William J.; Galloup, Clifford L.; and Bos, John R., 3,781,932.
Baker, William J.; Bos, John R.; and Klemm, Robert W., 3,848,789.
Boom, Clarence O.; and Hanson, Laurence B., 3,807,510.
Boucher, Harry, 3,842,507.
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Harms, William J.; and Wing, Michael Paul, 3,803,696.
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Workman, Lawrence H.; and Bos, John R., 3,799,302.
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Workman, William, Jr.; and Boeger, James H., 3,796,131.

Gardocki, Joseph Francis, to McNeil Laboratories, Inc. Method of treating depression with certain diazepinoindoles and anti-depressant compositions thereof. 3,787,577, 1-22-74, Cl. 424-274.000.

Gardziella, Arno, to Dynamit Nobel Aktiengesellschaft. Method of bonding using polyester-wax fusion adhesives. 3,853,665, 12-10-74, Cl. 156-332.000.

Gared Corporation: *See—*
Boitano, Robert A.; and Engle, Charles J., 3,820,784.

Gareis, Ronald E.: *See—*
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Garfield, Gerald; and Rout, Cecil H., to McDonnell Douglas Corporation. Deep narrow gap welding torch. 3,826,888, 7-30-74, Cl. 219-74.000.

Garfield, Lawrence A.: *See—*
Boyd, James; Garfield, Lawrence A.; Hanninen, Clifford; and Maki, Eugene, 3,826,536.
Boyd, James; Garfield, Lawrence A.; Hanninen, Clifford; and Maki, Eugene, 3,826,537.

Garfinkel, Jack, to Genstape, Inc. Apparatus for splicing wires. 3,783,490, 1-8-74, Cl. 29-203.00d.

Garfinkel, Leonard. Tooth rigidity imparting device and method of implantation thereof. 3,822,472, 7-9-74, Cl. 32-2.000.

Garfinkel, Marvin: *See—*
Cordes, Linus F.; and Garfinkel, Marvin, 3,849,789.
Engeler, William E.; and Garfinkel, Marvin, 3,786,441.

Garfinkle, David R.: *See—*
Cammarata, Vincent N.; Brown, Ronald E.; and Garfinkle, David R., 3,797,391.

Gargaro, Michael. Bracket for paint cans. 3,814,364, 6-4-74, Cl. 248-210.000.
Gargas, Frank A., to Storyboard Display, Inc. Multiple transparency display unit and sequencing control therefor. 3,824,723, 7-23-74, Cl. 40-106.100.
Gargasz, Louis J. Portable working platform. 3,797,607, 3-19-74, Cl. 182-82.000.
Gargiuolo, Francesco, to Alfa Farmaceutici, S.p.A. Production of Cephalosporin C. 3,825,473, 7-23-74, Cl. 195-36.00r.
Gargrave, Robert J.; and Holiga, Ludomil A., to Dayton Progress Corporation. Press adapter system for standardizing die use. 3,848,494, 11-19-74, Cl. 83-109.000.
Gariboldi, Franco, to Billi, G. & C. S.p.A. Seamless tubular garment. 3,815,385, 6-11-74, Cl. 66-172.00r.
Garick, Bordie B.: *See—*
Ward, John E., Jr.; and Garick, Bordie B., 3,823,219.
Garih, Claude. Milling cutter with mechanically clamped teeth. 3,802,043, 4-9-74, Cl. 29-105.00a.
Garity, Michael C.: *See—*
Ersek, Robert A.; Wall, Donald E.; and Garity, Michael C., 3,794,091.
Ersek, Robert A.; Wall, Donald E.; and Garity, Michael C., 3,809,072.
Garland, Carl C.: *See—*
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Garland, Chesley F.: *See—*
Sisk, Francis J.; and Garland, Chesley F., 3,792,540.
Garland, Milton E., to Frick Company. Pressurized refrigerant feed with recirculation. 3,797,265, 3-19-74, Cl. 62-174.000.
Garland, Milton W., to Frick Company. Multiple wave form spring valve assembly. 3,786,834, 1-22-74, Cl. 137-540.000.
Garland, Milton W.; and Fish, Robert C., to Frick Company. Pressurized refrigerant recirculation system with control means. 3,827,249, 8-6-74, Cl. 62-174.000.
Garland, Thomas H.; Duck, Sherman W.; Jeffers, Frederick J.; and McClure, Richard J., to Bell & Howell Company. Multi-color magnetic image recording and media. 3,824,601, 7-16-74, Cl. 346-74.100.
Garlick, George F.: *See—*
Brenden, Byron B.; Neely, Victor I.; and Garlick, George F., 3,832,677.
Garlinghouse Brothers: *See—*
Garlinghouse, Leslie H., 3,833,203.
Garlinghouse, Leslie H. Rubber cone concrete bucket. 3,787,084, 1-22-74, Cl. 294-71.000.
Garlinghouse, Leslie H. Gate operating system for concrete buckets. 3,791,690, 2-12-74, Cl. 294-71.000.
Garlinghouse, Leslie H., to Garlinghouse Brothers. Flexible mixer discharge. 3,833,203, 9-3-74, Cl. 259-29.000.
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Garlock, Inc.: *See—*
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Garmon, Lee F., Jr.: *See—*
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Garmon, Lee F., Jr., to Victor Comptometer Corporation. Pneumatic gun with polygonal cross-section belt member. 3,810,455, 5-14-74, Cl. 124-13.00a.
Garnache, Richard R.: *See—*
Foehring, Robert A.; Garnache, Richard R.; and Kenney, Donald M., 3,805,736.
Garnache, Richard R.; Gratalia, Ashwin K.; and Michaud, Ronald A., to International Business Machines Corporation. Continuous vapor processing apparatus and method. 3,790,404, 2-5-74, Cl. 117-106.00r.
Garnache, Richard Raymond; and Smith, William Michael, Jr., to International Business Machines Corporation. Integrated circuit fabrication process. 3,841,926, 10-15-74, Cl. 148-188.000.
Garner, Charles A.: *See—*
Richens, Robert H.; and Garner, Charles A., 3,792,639.
Richens, Robert H.; and Garner, Charles A., 3,831,488.
Richens, Robert H.; and Garner, Charles A., 3,834,688.
Garner, Derek H.; Bosworth, George H.; and Barton, George C., to USM Corporation. Pulling and lasting machines. 3,818,526, 6-25-74, Cl. 12-10.100.
Garner, Derek H.; Bosworth, George H.; and Barker, Roger M., to USM Corporation. Pulling and lasting machines. 3,840,929, 10-15-74, Cl. 12-10.100.
Garner, Joseph L., to Dow Chemical Company, The. Method for expanding microspheres and expandable composition. 3,821,128, 6-28-74, Cl. 260-2.50b.
Garner, Kenneth B.; Martin, James R.; and Smith, Jack C., to Combustion Engineering, Inc. Method and apparatus for cold forming elbows for tori. 3,802,245, 4-9-74, Cl. 72-344.000.
Garner, Kenneth Bishop; and Roberson, Lewis Shepherd, to Combustion Engineering, Inc. Metal working apparatus. 3,851,516, 12-3-74, Cl. 72-256.000.
Garner, Lloyd L., to Smith International, Inc. Drill bit center jet. 3,823,789, 7-16-74, Cl. 175-340.000.
Garner, Norman. Computation device and method. 3,788,541, 1-29-74, Cl. 235-61.00r.
Garner, Paul Johnson; and Collins, Thomas Robert Stephen, to Imperial Chemical Industries, Limited. Process of producing a composite mold having cooling pipes embedded therein. 3,784,152, 1-8-74, Cl. 249-80.000.
Garner, Paul Johnson, to Imperial Chemical Industries Limited. Method of fabricating a composite mold having a resin-impregnated metal molding surface. 3,784,451, 1-8-74, Cl. 204-20.000.
Garner, Paul Johnson, to Imperial Chemical Industries Limited. Injection moulding process. 3,793,410, 2-19-74, Cl. 264-45.000.
Garner, Paul Johnson, to Imperial Chemical Industries Limited. Injection moulding machines. 3,809,519, 5-7-74, Cl. 425-245.000.
Garner, Paul Johnson; and Collins, Thomas Robert Stephen, to Imperial Chemical Industries, Limited. Method of making a split mold. 3,811,175, 5-21-74, Cl. 29-464.000.
Garner, Paul Johnson, to Imperial Chemical Industries Limited. Method of fabricating an impregnated porous metal mould. 3,816,903, 6-18-74, Cl. 29-527.200.
Garner, Robert; and Bolliger, Hans Rudolf, to Ciba-Geigy AG. Pressure-sensitive copying material. 3,836,382, 9-17-74,. Cl. 117-36.200.
Garnett, Bruce L. Electrically operated hydraulic control valve. 3,804,120, 4-16-74, Cl. 137-625.640.
Garnett, Charles Alexander, to Edward Williams Heldings, Limited. Clamping arrangement. 3,787,132, 1-22-74, Cl. 403-290.000.
Garnett, Donald P., to Allis-Chalmers Corporation. Means for protecting the rod of a hydraulic lift jack from damage by the lift chain. 3,854,699, 12-17-74, Cl. 254-4.00c.
Garnett, Donald W., to Packaging Methods Corporation, mesne. Container inverter for packeting equipment and packeting system. 3,839,844, 10-8-74, Cl. 53-59.00n.
Garnett, Eubank W., Jr., to Reynolds Metals Company. Apparatus for and method of making a nestable container. 3,786,667, 1-22-74, Cl. 72-348.000.
Garnett, Jack L.: *See—*
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Garnett, Lawrence Taylor, to International Telephone and Telegraph Corporation. Flowmeter. 3,854,335, 12-17-74, Cl. 73-233.000.
Garnett, William G. Sanitary fixture. 3,843,977, 10-29-74, Cl. 4-69.000.
Garnette, Marie J.: *See—*
Breeden, Earl W., 3,797,461.
Garnier, Andre. Device for sampling radioactive aerosols. 3,802,250, 4-9-74, Cl. 73-28.000.
Garnier, Andre, to Vallourec Usines a Tubes de Lorraine-Escaut et Vallourec Reunies. Process and apparatus for annealing the weld bead of a welded metallic tube. 3,824,366, 7-16-74, Cl. 219-10.770.
Garnier, Marcel, to Micro Mega S A. Handpieces for dental surgery and the like. 3,803,716, 4-16-74, Cl. 32-26.000.
Garnier, Marcel, to Pomagalski S.A. Braking device of a rescue apparatus for an overhead cable transport installation. 3,827,368, 8-6-74, Cl. 104-112.000.
Garnier, Michael F.; Tang, Tung-Men; and White, James W., to International Business Machines Corporation. Magnetic head slider assembly. 3,855,625, 12-17-74, Cl. 360-103.000.
Garnier, Roger; Hogenmuller, Roger; and Massebeuf, Jacques, to Rhone-Poulenc S.A. Vinyl polymer coating compositions. 3,850,865, 11-26-74, Cl. 260-28.5av.
Garnish, Edward William: *See—*
Dominic, Christopher John, and Garnish, Edward William, 3,810,785.
Garnish, Edward William; and Hayes, Barry James, to Ciba-Geigy AG. Reinforced composites. 3,784,433, 1-8-74, Cl. 156-276.000.
Garofalo, Donald L.: *See—*
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Garon Company: *See—*
Dils, Eugene W., Jr.; Ward, Larry A.; and Ward, Robert A., 3,786,784.

Garrahan, Richard. Breathing black assembly. 3,805,778, 4-23-74, Cl. 128c141.00a.
Garrahan, Richard. Form fit vertical flow diving head gear. 3,845,768, 11-5-74, Cl. 128-142.700.
Garratt, Peter Garth; Habermeier, Juergen; Porret, Daniel; and Zuppinger, Paul, to Ciba-Geigy Corporation. Process for the curing of hydantoin containing acrylic acid ester derivatives with ionising rays. 3,821,098, 6-28-74, Cl. 204-159.220.
Garratt, Peter Garth; Habermeier, Juergen; Porret, Daniel; Leumann, Ernst; and Zuppinger, Paul, to Ciba-Geigy AG. Process for curing hydantoin-containing polyacrylates with ionising radiation. 3,847,769, 11-12-74, Cl. 204-159.220.
Garratt, Philip M.: *See—*
Eichelberger, Charles W.; and Garratt, Philip M., 3,826,969.
Garratt, Philip M.; and Eichelberger, Charles W., to General Electric Company, Digitally scaled digital voltmeter. 3,826,983, 7-30-74, Cl. 324-99.00d.
Garren, Ralph F.; and Sarver, Marvin B. Pipette. 3,834,241, 9-10-74, Cl. 73-425.600.
Garretson, George W. Post and post base assembly. 3,785,107, 1-15-74, Cl. 52-514.000.
Garretson, Henry D. Surgical bone punch. 3,835,860, 9-17-74, Cl. 128-310.000.
Garretson, Oliver R.; and Harmon, Richard C., to Tieco, Inc. Probe card including a multiplicity of probe contacts and methods of making. 3,835,381, 9-10-74, Cl. 324-158.00p.
Garrett, Abram J., to United States of America, Navy. Environmental distortion measurement of curved antenna dishes. 3,803,626, 4-9-74, Cl. 343-894.000.
Garrett, Abram J., to United States of America, Navy. Environmental fluidic switching device with plural diaphragms. 3,835,271, 9-10-74, Cl. 200-834.000.
Garrett, Billy R. Holder for gasoline lantern. 3,843,082, 10-22-74, Cl. 248-226.00e.
Garrett, Billy R. Holder for gasoline lantern. 3,844,519, 10-29-74, Cl. 248-226.000.
Garrett, Billy R. Holder for gasoline lantern. 3,847,286, 11-12-74, Cl. 211-13.000.
Garrett, Carl Eugene; Kinsley, William Henry, Jr.; and Moody, Larry Dean, to Western Electric Company, Incorporated. Methods of manufacturing waterproof cable. 3,789,099, 1-29-74, Cl. 264-174.000.
Garrett, Charles B., Jr.: *See—*
Garrett, Roger L.; Garrett, Charles B., Jr., and Rubin, Alan B., 3,830,789.
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Garrett Corporation, The: *See—*
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Egli, Hans; Burdette, Fredrick E.; and Nancarrow, James H., 3,782,850.
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Summer, James R., 3,791,764.
Winiarz, Olgierd S., 3,827,702.
Garrett, Elmer E. Magnetic tape device with flexible head mounting and moving means. 3,818,505, 6-18-74, Cl. 360-101.000.
Garrett, Henry U., to Brown Oil Tools, Inc. Method and apparatus for modifying a well to provide gas lift production. 3,789,923, 2-5-74, Cl. 166-55.100.
Garrett, Henry U., to Brown Oil Tools, Inc. Automatic safety valve. 3,802,504, 4-9-74, Cl. 166-133.000.
Garrett, Henry U., to Brown Oil Tools, Inc. Method for modifying a well to provide gas lift production. 3,844,352, 10-29-74, Cl. 166-297.000.
Garrett, Jim C.: *See—*
Garrett, Jim C.; Johnson, Robert H.; Shelton, Jack; and Sherwood, Ross E., 3,795,937.
O'Dea, Orrin B.; and Hanneman, Thomas W., 3,792,210.
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Garrett, Jim C.; Johnson, Robert H.; Shelton, Jack, and Sherwood, Ross E., to Garrett, Jim C., Johnson, Robert H. and said Sherwood assor. to said Shelton, Jack. Meter cleaner. 3,795,937, 3-12-74, Cl. 15-256.510.
Garrett, John I., to Honeywell Inc. Cathode-ray tube non-linearity correction circuit. 3,823,338, 7-9-74, Cl. 315-27.0gd.
Garrett, John W.; Alexander, Milton; and Riepenhoff, Ralph R., to United States of America, Air Force. Aircraft ejection seat actuation system. 3,791,610, 2-12-74, Cl. 244-122.00a.
Garrett, Keith Henry: *See—*
Smith, Sydney Ernest; Lapage, Ruth; and Garrett, Keith Henry, 3,808,306.
Garrett, Kenneth M.: *See—*
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Garrett, Lee R.: *See—*
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Garrett, Lewis B. Electrical plug with selectable grounding terminals 3,825,875, 7-23-74, Cl. 339-14.0rp.
Garrett, Michael R.; Putch, Samuel W.; and Nelson, Norman A., to FMC Corporation. Valve sequence interlock system. 3,856,037, 12-24-74, Cl. 137-236.000.
Garrett, Paul A. Boring bar. 3,814,536, 6-4-74, Cl. 408-157.000.
Garrett, Roger L.; Garrett, Charles B., Jr.; and Rubin, Alan B., to Adams Laboratories, Inc. Soap stock reclamation process for producing fatty acids, glycerine and salts. 3,830,789, 8-20-74, Cl. 260-97.600.
Garrett, Todd: *See—*
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Garrett, Ullman C., Jr.: *See—*
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Garrett, Walter L., to Dow Chemical Company, The. Method of expanding a resole resin containing expandable thermoplastic microspheres and product obtained therefrom. 3,842,020, 10-15-74, Cl. 260-2.50b.
Garrett, Wayne O., to Hansco, Inc. Sphere and angle turning attachment for milling machines. 3,835,528, 9-17-74, Cl. 29-560.000.
Garrett, Wayne O., to Hansco, Inc. Threader attachemnt. 3,850,077, 11-26-74, Cl. 90-11.620.
Garrett, William R., to Smith International, Inc. Wall contacting tool. 3,818,999, 6-25-74, Cl. 175-325.000.
Garrick, John R.; and Waters, Ernest B., Jr., to Armstrong Cork Company. Method of making cut-in-register ceiling tile. 3,848,043, 11-12-74, Cl. 264-134.000.
Garrigues, Claude; Nicolau, Albert; and Signouret, Jean-Baptiste, to Societe Nationale des Petroles d'Aquitaine pour Aquitaine. Bituminous compositions containing plastic or elastomer polysulphide polymers. 3,810,857, 5-14-74, Cl. 260-28.000.
Garriott, Louis B., Jr.: *See—*
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Garrison, Elbert W. Pet door panel. 3,811,224, 5-21-74, Cl. 49-168.000.
Garrison, Elbert W. Pet pull toy. 3,830,202, 8-20-74, Cl. 119-29.000.
Garrison, Erskine P.; and Tschirky, John E., to Smith International, Inc. Reverse circulating sub for fluid flow systems. 3,823,788, 7-16-74, Cl. 175-94.000.
Garrison, Harold Keith: *See—*
White, Allen A.; Garrison, Harold Keith, and Brooks, Dean P., 3,842,730.
Garrison, Harold Keith, and Brooks, Dean P., to Hesston Corporation. Machine for feeding materials from a stack. 3,830,438, 8-20-74, Cl. 241-283.000.
Garrison, Harold Keith, to Hesston Corporation. Loose hay wagon. 3,847,072, 11-12-74, Cl. 100-35.000.
Garrison, Harry F. Vehicle washing apparatus. 3,826,269, 7-30-74, Cl. 134-123.000.
Garrison, Jerome R.: *See—*
Staranick, Steve; and Garrison, Jerome R., 3,809,181.
Garrison, Judd F.; and Batts, John H., to Batts, John Thomas, Inc. Slack, tie and coat hanger. 3,788,488, 1-29-74, Cl. 211-123.000.
Garrison, Mary M.; and Bates, Robert W., to United States of America, Health, Education, and Welfare. Dry antiserum coated solid-phase for preparation of radioimmunoassay of antigens. 3,790,663, 2-5-74, Cl. 424-12.000.
Garrison, William Emmett, Jr., to Du Pont de Nemours, E. I., and Company. Vinyl chloride polymer, acrylic polymer and acrylonitrile[butadiene]styrene polymer compositions. 3,808,293, 4-30-74, Cl. 260-876.00r.
Garrity, Paul G.: *See—*
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Court, Patrick R. J., 3,816,058.
Garron, Stephen A., to Singer Company, The. Pattern selection system for sewing machines. 3,847,100, 11-12-74, Cl. 112-158.00e.
Garrone, Albert: *See—*
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Garshick, Alfred, to Boston Insulated Wire & Cable Co. Shielded cable. 3,794,750, 2-26-74, Cl. 174-36.000.
Garside, Susan Constance; Hartley, David; Lunts, Lawrence Henry Charles; and Oxford, Alexander William, to Allen & Hanburys Limited. Imidazo[5,1-f]triazinones. 3,840,537, 10-8-74, Cl. 260-249.500.
Garst, John M., to Owens-Corning Fiberglas Corporation. Method and apparatus for control of conditions in a process. 3,824,387, 7-16-74, Cl. 235-151.100.
Garstin, David John Ivor: *See—*
Fellows, Thomas George; Garstin, David John Ivor; and Charity, Michael, 3,823,672.
Garte, Gilbert M. Folding hospital bed. 3,789,437, 2-5-74, Cl. 5-62.000.
Garth, Bruce Hollis: *See—*
Carlson, Norman Arthur; and Garth, Bruce Hollis, 3,817,971.
Garth, Bruce Hollis, to Du Pont de Nemours, E. I., and Company. Anti-icing gasoline composition. 3,834,882, 9-10-74, Cl. 44-66.000.
Garth, Bruce Hollis, to Du Pont de Nemours, E. I., and Company. Gasoline compositions containing bisamide additives. 3,838,991, 10-1-74, Cl. 44-66.000.
Garth, Emory C., to Texas Instruments, Incorporated. High density digital systems and their method of fabrication with liquid cooling for semiconductor circuit chips. 3,812,402, 5-21-74, Cl. 317-100.000.
Garth, Harold: *See—*
Weber, Bernhard; and Pfaff, Alfred, 3,830,081.
Gartland, Albert J., Jr., to Hubbell, Harvey, Incorporated. Cable clamp. 3,784,961, 1-8-74, Cl. 339-107.000.
Gartland, Albert J., Jr.; Carissimi, Vincent L.; and Riley, George A., to Hubbell, Harvey, Incorporated. Grounding plug. 3,835,437, 9-10-74, Cl. 339-14.00p.
Gartner, Franz. Nutating disc vibrator. 3,796,411, 3-12-74, Cl. 259-1.00r.
Gartner, Karlheinz, to Automation fur Grafische Technik BmbH. Synchronized paper web transport and connecting strap cutting and positioning apparatus. 3,824,907, 7-23-74, Cl. 93-1.00r.
Gartner, Klaus W., to Sargent & Greenleaf, Inc. Key duplicating and vending machine. 3,796,130, 3-12-74, Cl. 90-13.050.
Gartner, Klaus W.; and Phillips, Peter. Liquid concentrate and water mixing and dispensing device. 3,811,618, 5-21-74, Cl. 239-312.000.
Gartner, Klaus W. Electronic combination lock including sequential signal generator and signal display. 3,812,403, 5-21-74, Cl. 317-134.000.
Gartner, Klaus W.; Van Ryne, Randall Edward; and Higgins, Eldon C., to Sargent & Greenleaf, Inc. Key changing lock for safe deposit boxes. 3,837,196, 9-24-74, Cl. 70-339.000.
Gartner, Klaus W. Multiple part key for conventional locks. 3,841,120, 10-15-74, Cl. 70-395.000.
Gartner, Klaus W. Pick resistant cylinder lock. 3,857,263, 12-31-74, Cl. 70-364.00a.
Gartner, Klaus-Jurgen: *See—*
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Gartner, Morton. Tape measure counter. 3,808,692, 5-7-74, Cl. 33-140.000.
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Gartner, Robert. Screw drive means using auxiliary meshing rollers. 3,789,678, 2-5-74, Cl. 74-89.000.
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Gartner, Stanley J.: *See—*
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Baker, Donald J.; Gartner, Stanley J.; and Oberg, Robert S., 3,803,697.
Gartner, William Joseph, to Gartner Research & Development Co. Oral hygiene device. 3,828,771, 8-13-74, Cl. 128-66.000.
Garton, William Robert, to Molins Limited. Apparatus for dividing a continuous stream of articles into batches which may be placed in containers. 3,851,748, 12-3-74, Cl. 198-34.000.
Gartz, Kaj G., to Hansson, K. G., AB. Arrangement for sealing a tube for keeping documents or similar container. 3,856,199, 12-24-74, Cl. 229-93.000.
Garufo, James F. Weather curtain for airplane hangar entrance. 3,809,144, 5-7-74, Cl. 160-184.000.
Garver, Edward B., to Continental Can Company, Inc. Excess parison remover. 3,797,985, 3-19-74, Cl. 425-305.00b.
Garver, Robert V.: *See—*
Sullivan, Robert F.; and Garver, Robert V., 3,808,561.
Garver, William Joseph, to AMP Incorporated. Through-hole electrical connector for a circuit board. 3,846,743, 11-5-74, Cl. 339-275.00b.
Garvey Corporation: *See—*
Garvey, Francis J., 3,820,650.
Garvey, Francis J. Combination sport seat and walking stick. 3,817,483, 6-18-74, Cl. 248-155.000.
Garvey, Francis J., to Garvey Corporation. Sanitary endless belt conveyor. 3,820,650, 6-28-74, Cl. 198-204.000.
Garvey, Louis P., to General Motors Corporation. Vehicle occupant restraint belt system with comfort clip. 3,856,351, 12-24-74, Cl. 297-388.000.
Garwin, Richard L., to United States of America, Atomic Energy Commission. Energy storage and switching with superconductors. 3,800,256, 3-26-74, Cl. 335-216.000.
Garwood, James R., to National Oats Company, Inc. Pocket for use on a loader, tractor or the like. 3,782,573, 1-1-74, Cl. 214-768.000.
Garwood, Turner G., to Otis Engineering Corporation. Well tools. 3,845,815, 11-5-74, Cl. 166-154.000.
Garwood, William E.: *See—*
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Gary, Laverne E.: *See—*
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Gary, Paul Alexander: *See—*
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Gary, Wildon A. System stabilizer. 3,835,015, 9-10-74, Cl. 204-197.000.
Garza, Adan C.; and Bavisotto, Vincent S., to Brewer's Unlimited, Inc. Apparatus for and method of determining oxygen and carbon dioxide in sealed containers. 3,849,070, 11-19-74, Cl. 23-230.00r.
Garzia, Aldo, to Istituto Chemioterapico Italiano S.p.A. Prophylaxis and treatment of cardiac 3,4,5-trialkoxyphenylalkanoic acids and salts thereof. 3,789,070, 1-29-74, Cl. 260-521.00r.
Garzia, Aldo, to Instituto Chemioterapico Italiano S.p.A. Oxo-trialkoxyphenyl-alkanoic acids and salts thereof. 3,803,222, 4-9-74, Cl. 260-521.00r.
Garzia, Aldo, to Instituto Chemioterapico Italiano S.p.A. Method and composition for prophlaxis and treatment of cardiac disorders using 3,4,5-trimethoxybenzamido-alkanoic acids or salts thereof. 3,852,466, 12-3-74, Cl. 424-318.000.
Garzia, Aldo, to Instituto Chemioterapico Italiano S.p.A. Prophylaxis and treatment of cardiac disorders. 3,857,949, 12-31-74, Cl. 424-317.000.
Garzotto, Felice, to Rimar S.p.A. Device for shifting products to be dried on a perforated drying drum. 3,782,003, 1-1-74, Cl. 34-110.000.
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Gasco, Maria Rosa. Purification process of raw sugar beet juice. 3,806,364, 4-23-74, Cl. 127-48.000.
Gascoigne, Richard Melville: *See—*
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Gash, Virgil W.; and Bissing, Donald E., to Monsanto Company. Preparation of monohaloacetyl halides. 3,812,183, 5-21-74, Cl. 260-544.00y.
Gask, Bryan R., to Prent Corporation. Thermoformed container. 3,800,998, 4-2-74, Cl. 229-2.500.
Gaske, Joseph E., to De Soto, Inc. Radiation curable non-gelled michael addition reaction products. 3,844,916, 10-29-74, Cl. 204-159.160.
Gaskell, Philip Hedley; Tilley, Brian Paterson; Irlam, Philip Sidney; Miller, Robert Percy; and Barry, Thomas Ian, to Pilkington Brothers Limited. Method for making glass ceramic materials. 3,804,608, 4-16-74, Cl. 65-33.000.
Gaskell, Philip Hedley; Lythgoe, Stanley; Irlam, Philip Sidney; Miller, Robert Percy; and Barry, Thomas Ian, to Pilkington Brothers Limited. Method of making glass ceramic materials on molten metal support. 3,809,543, 5-7-74, Cl. 65-33.000.
Gaskell, Philip Hedley; Loftus, James Peter; and Greengrass, Jane, to Pilkington Brothers Limited. Thermally crystallizing an article while supported in vertical attitude. 3,846,101, 11-5-74, Cl. 65-33.000.
Gaskill, George, to I-T-E Imperial Corporation. Actuator for circuit breaker alarm switch. 3,806,686, 4-23-74, Cl. 200-308.000.

Gaskill, George, to I-T-E Imperial Corporation. Inductive heating means for thermal trip device. 3,808,572, 4-30-74, Cl. 337-106.000.
Gaskins, Thomas. Cutting lead tips for drill bits. 3,824,026, 7-16-74, Cl. 408-210.000.
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Gasner, William Xavier, to McCulloch Corporation. Unitized clutch drum and sprocket. 3,786,687, 1-22-74, Cl. 74-243.0cs.
Gaspar, Claude E.; Adrien, Christian; and Komorouski, Roman J., to International Standard Electric Corporation. Electrical connector. 3,805,216, 4-16-74, Cl. 339-90.00r.
Gaspar, Donald G.: *See—*
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Gasparac, Rudolph J.; Pokora, Robert J.; and Sawant, Ulhas S., to Rexnord, Inc. Crusher release clearing system. 3,804,342, 4-16-74, Cl. 241-37.000.
Gasparaitis, Bernard; and Maloney, Dennis J., to Motorola, Inc. Sealed printed circuit jack plug connector. 3,812,310, 5-21-74, Cl. 200-51.00r.
Gaspari, Raffaele: *See—*
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Gass, Donald N.; and Prosser, David G., to Autotrol Corporation. Extended surface rotating biological contactor. 3,827,559, 8-6-74, Cl. 210-150.000.
Gass, Ernst: *See—*
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Gass, Ernst, to Sick, Erwin, Optik-Elektronik, Firma. Optical measuring apparatus. 3,857,641, 12-31-74, Cl. 356-207.000.
Gass, Martin H. Molded plastic drapery hanger. 3,806,995, 4-30-74, Cl. 24-84.00c.
Gassaway, James Scott. Equipment security device. 3,850,392, 11-26-74, Cl. 248-19.000.
Gasseling, Franciscus Wilhelmus Engelbert: *See—*
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Gasser, Hermann; and Plezer, Imre, to Luwa AG. Apparatus for withdrawing rapidly moving yarn material. 3,782,617, 1-1-74, Cl. 226-97.000.
Gasser, Rupert Josef; and Huster, Lienhard Bodo, to Societe d'Assitance Technique pour Produits Nestle S.A. Fish protein isolate. 3,798,126, 3-19-74, Cl. 195-5.000.
Gassmann, Gerhard Gunter, to ITT Industries, Inc. Apparatus for providing an analog or the like of the angular velocity of a rotating body. 3,808,560, 4-30-74, Cl. 332-44.000.
Gassmann, Hans-Ulrich; Chen, Ching-Muh; and Vermot, Michel, to Ciba-Geigy AG. Method and apparatus for degassing viscous liquids and removing gas bubbles suspended therein. 3,853,500, 12-10-74, Cl. 55-15.000.
Gassner, Georg Gustav: *See—*
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Gassner, Gustav; Horlein, Gerhard; and Rochling, Hans, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Halocarboxylic acid anilides. 3,794,683, 2-26-74, Cl. 260-562.00b.
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Gasson, Edward James; Marrian, Stanley Frederic; and Krosnar, Thomas Charles, to BP Chemicals International Limited. Process for preparing acrylonitrile by the ammoxidation of propylene using a metal oxide composition of antimony - tin - copper - iron and n additional metal. 3,847,965, 11-12-74, Cl. 260-465.300.
Gast, Theodor; Twisselmann, Lorenz; and Marx, Wolf-Rudiger, to Hartmann & Braun Aktiengesellschaft. Magnetic gas analyzer using a gas chamber for improved gas flow with magnets external to said chamber. 3,815,018, 6-4-74, Cl. 324-36.000.
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Gates, Albert George Ronald, to Gestetner Limited. Apparatus and method for feeding sheets from the bottom of a stack. 3,822,060, 7-2-74, Cl. 271-23.000.
Gates, Allen Peter, to Howson-Algraphy Limited. Light sensitive polymeric esters containing azido substituted styryl groups. 3,843,603, 10-22-74, Cl. 260-47.0ep.
Gates, Charles C., Jr.: *See—*
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Gates, David S.; Hagstrom, Paul E.; and Haseltine, Marcus W., to Sun Oil Company of Pennsylvania, mesne. Lubrication of controlled-slip differential. 3,843,534, 10-22-74, Cl. 252-45.000.
Gates, Donald C., to EVI. Transmission for wheeled vehicle. 3,827,310, 8-6-74, Cl. 74-217.00s.
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Gates, John Warburton, Jr.: *See—*
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Gates, Robert B. Ladder device. 3,856,109, 12-24-74, Cl. 182-84.000.
Gates, Robert H.; and Schneider, Harold G., to Concrete Pipe Machinery Company. Method for making a pipe reinforcing cage. 3,837,370, 9-24-74, Cl. 140-71.00r.
Gates, Robert H.; and Schneider, Harold G., to Concrete Pipe Machinery Company, mesne. Method of assembling bell and cage units to form pipe reinforcing cages. 3,838,494, 10-1-74, Cl. 29-453.000.
Gates, Robert R.; and Seeley, Dunham B., to Burroughs Corporation. Apparatus for automatically attaching a magnetizable, machine readable strip to a commercial document. 3,833,448, 9-3-74, Cl. 156-541.000.
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Gathright, Jack G.; and Park, Richard E., to Westinghouse Electric Corporation. Method and circuit for calculating the square root of the sum of two squares. 3,829,671, 8-13-74, Cl. 235-158.000.

Gatiss, Albert Leslie, to Brockhouse Engineering Limited. Hydraulic transmission systems. 3,803,844, 4-16-74, Cl. 60-491.000.

Gatland, Geoffrey H.; and Robitaille, Kenneth L., to Vemco Products, Inc. Garage door power operator having partial open capability. 3,825,809, 7-23-74, Cl. 318-282.000.

Gatos, George C., to ICI America, Inc. Process of making hexahydro-1H-furo(3,4-c) pyrrole. 3,855,237, 12-17-74, Cl. 260-326.008.

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Gatsis, John G., to Universal Oil Products Company. Solvent extraction of coal utilizing a peteropoly acid catalyst. 3,813,329, 5-28-74, Cl. 208-9.000.

Gatsis, John G., to Universal Oil Products Company. Process for hydrorefining a hydrocarbon charge stock. 3,825,488, 7-23-74, Cl. 208-212.000.

Gatsis, John G., to Universal Oil Products Company. Solvent deasphalting process. 3,830,732, 8-20-74, Cl. 208-309.000.

Gatter, Adelaide L., to Pure Co., Inc., The. Container. 3,817,371, 6-18-74, Cl. 206-.500.

Gatto, Charles. Apparatus for sizing shaped articles. 3,804,574, 4-16-74, Cl. 425-388.000.

Gatto, Frank A., Sr. Fishing rod carrying cases and tackle boxes and methods of making and using the same. 3,802,113, 4-9-74, Cl. 43-26.000.

Gatts, James D. Infant environmental transition system. 3,809,065, 5-7-74, Cl. 128-1.00r.

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Gattus, Jean; and Mallet, Maurice, to Rhone-Poulenc S.A. Films of polyamide-imides having a uniplanar axial structure. 3,792,019, 2-12-74, Cl. 260-47.0cp.

Gattuso, Marion J.; and Arnold, Robert J., to Universal Oil Products Company. Inhibiting PR evulcanization of rubber formulations. 3,790,534, 2-5-74, Cl. 260-79.50b.

Gattuso, Marion J., to University Oil Products Company. Manufacture of N-arylthiazole-2-sulfenamide. 3,825,550, 7-23-74, Cl. 260-302.00s.

Gattuso, Marion J., to Universal Oil Products Company. Process for sweetening hydrocarbon products with sulfenamides. 3,853,746, 12-10-74, Cl. 208-206.000.

Gatz, William L.; and Rennicke, Kenneth A., to Royal Industries, mesne. Apparatus and method for feeding material from storage bins and the like. 3,785,512, 1-15-74, Cl. 214-17.00d.

Gatzi, Karl: *See—*
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Gatzi, Karl, to Ciba-Geigy Corporation. Control of phytopathogenic fungi with amidine compounds. 3,784,690, 1-8-74, Cl. 424-244.000.

Gatzi, Karl, to Ciba-Geigy Corporation. Carbamoyl oximes. 3,843,724, 10-22-74, Cl. 260-566.0ac.

Gatzi, Walter, to Matallbau AG Zurich. Foldable shutter. 3,857,433, 12-31-74, Cl. 160-172.000

Gau, Georges, to Agence Nationale de Valorisation de la Recherche (Anvar). Process for purifying olefins. 3,840,611, 10-8-74, Cl. 260-677.00a.

Gau, Georges, to Agence Nationale de Valorisation de la Recherche (Anvar). Method for separating hydrocarbons especially aromatic hydrocarbons and installations therefor. 3,849,261, 11-19-74, Cl. 203-38.000.

Gau, Leonard P., to Chrysler Corporation. Vortex swirl flowmeter sensor probe. 3,830,104, 8-20-74, Cl. 73-194.00h.

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Gaudette, Walter M., Jr.; and Trimble, Philip K., to General Motors Corporation. Internal combustion engine ignition timing instrument. 3,820,013, 6-25-74, Cl. 324-16.00r.

Gaudiano, Anthony V.: *See—*
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Gaudio, Anna: *See—*
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Gaudio, Domenico, 1/4 interest each to Gaudio, Anna, Gaudio, Thelma, Gaudio, Vincent and Schultz, Nina. Water hose, rotary brush attachment. 3,813,721, 6-4-74, Cl. 15-29.000.

Gaudio, Joseph G.: *See—*
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Gaudion, Walter R., to Ambrit, Inc. Numerically controlled work transport for forming press. 3,797,720, 3-19-74, Cl. 226-33.000.

Gaudy, Oliver M. Transferable cargo container. 3,854,619, 12-17-74, Cl. 220-1.500.

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Gaughan, Edmund J., to Stauffer Chemical Company. Certain phosphorus containing imino oxazolidines, and their utility. 3,803,312, 4-9-74, Cl. 424-200.000.

Gaughan, Edmund J., to Stauffer Chemical Company. Certain phosphorus-containing imino oxazolidines, thiazolidines and perhydrooxazines. 3,812,117, 5-21-74, Cl. 260-243.00r.

Gaughan, Edmund Jeremiah, to Stauffer Chemical Company. (N-Alkoxyalyl)-o-alkyl-S-alkylthiophasphors-amides. 3,810,959, 5-14-74, Cl. 260-941.000.

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Gaul, Alan R.; and Villier, Raymond, to Masoneilan International, Inc. Electromechanical valve positioning apparatus. 3,800,201, 3-26-74, Cl. 318-283.000.

Gaul, Robert G., to Paragon Wire & Cable Corporation. Electric cord coiler. 3,809,331, 5-7-74, Cl. 242-100.100.

Gaullier, Pierre, to U.S. Philips Corporation. Shutter for photographic camera. 3,820,145, 6-25-74, Cl. 354-250.000.

Gaulocher, Leo P., to Hunter, James T. Golf putter. 3,841,640, 10-15-74, Cl. 273-164.000.

Gaumer, Lee S.: *See—*
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Gaunt, Conrad L.: *See—*
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Gaunt, Dennis: *See—*
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Gaunt, Jack R. Fishing lure. 3,834,058, 9-10-74, Cl. 43-42.320.

Gaunt, Marjorie Claire: *See—*
Gaunt, William E.; and Gaunt, Marjorie Claire, 3,806,603.

Gaunt, Thomas Norman. Laminating incompatible polystyrene and vinyl chloride or acrylic plastic. 3,798,113, 3-19-74, Cl. 156-244.000.

Gaunt, William: *See—*
Kaul, Pradman Prithvinath; Gaunt, William; and Ford, Harold, 3,796,868.

Gaunt, William E.; and Gaunt, Marjorie Claire. Pharmaceutical carriers of plasticized dried milled particles of hydrated cooked rice endosperm. 3,806,603, 4-23-74, Cl. 424-364.000.

Gauntlett, John H. Carriers for containers. 3,834,750, 9-10-74, Cl. 294-87.200.

Gauntlett, John Harry. Method for filling containers. 3,831,341, 8-27-74, Cl. 53-22.00r.

Gauntz, John M.: *See—*
Cookson, Alan H.; Farish, Owen; and Gauntz, John M., 3,814,879.

Gaur, Jai P., to National Cash Register Company, The. Electroluminescent display device. 3,793,628, 2-19-74, Cl. 340-324.00m.

Gauri, Kharaiti Lal, to Research Corporation. Preservation and strengthening of porous solids. 3,795,533, 3-5-74, Cl. 117-54.000.

Gauronski, John F., to Xerox Corporation. Copier/duplicator system. 3,848,995, 11-19-74, Cl. 355-26.000.

Gaus, Walter, to Ruhrmann, Josef, Dr.-Ing. Apparatus for making plastic stops on slide fastener tape. 3,804,577, 4-16-74, Cl. 425-109.000.

Gause, Raymond L.; and Glenn, C. G., to United States of America, National Aeronautics and Space Administration. Manual actuator. 3,788,163, 1-29-74, Cl. 74-594.600.

Gause, Raymond L.; and Glenn, C. G., to United States of America, National Aeronautics and Space Administration. Conductive elastomeric extensometer. 3,820,529, 6-28-74, Cl. 128-2.00s.

Gausepohl, Hermann: *See—*
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Gauss, Walter; Grewe, Ferdinand; and Scheinpflug, Hans, to Farbenfabriken Bayer Aktiengesellschaft. 2-(Pyrazolyl-(1)-benzimidazole fungicidal, and bactericidal agents. 3,839,575, 10-1-74, Cl. 424-273.000.

Gausz, Henry: *See—*
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Gauterin, Charles Rowland: *See—*
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Gautherin, George A., to Lambda Electronics Corporation. Circuit for reducing the direct current component of an alternating current output signal. 3,829,794, 8-13-74, Cl. 331-113.00a.

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Gauthier, George J., to Pfizer Inc. Di(dialkylaminoalkoxy) phenanthridines as antiviral agents. 3,838,131, 9-24-74, Cl. 260-286.00a.

Gauthier, George J. Phenanthridinones as antiviral agents. 3,838,134, 9-24-74, Cl. 260-286.00a.

Gautier, Joel P., to Societe Anonyme. Public works machine. 3,782,572, 1-1-74, Cl. 214-762.000.

Gautier, Pierre: *See—*
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Gautraud, Michael G.; Gretzky, Anthony J.; Zachev, Ivan; Dunn, Richard D.; and Szymanski, Richard, to Brunswick Corporation. Photoelectric pinfall detection system. 3,825,749, 7-23-74, Cl. 250-222.00r.

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Gauvreau, Claude, to Holliston Laboratories, Inc. Disinfecting aerosol composition. 3,787,566, 1-22-74, Cl. 424-45.000.

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Gaven, Thomas J.; Crocker, Harry E.; and Feldman, Edward, .o McGraw-Edison Company. Telephone announcing and message recording machine. 3,786,189, 1-15-74, Cl. 179-6.00r.

Gavere, Harold K.; and Mix, Robert C., to Minnesota Mining and Manufacturing Company. Long yardage tape core assembly. 3,799,470, 3-26-74, Cl. 242-68.500.

Gavin, David F.: *See—*
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Gavit, Stephen E.; and Stenson, William E. Vehicle-trailer angular position sensor and indicator. 3,833,928, 9-3-74, Cl. 340-52.00r.

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Gavrilenko, Demyan Illarionovich: *See—*
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Gawin, Adolph J.; Kearney, Robert L.; and Sather, Eugene, to Bell & Howell Company. Microfichs reader/projector. 3,838,916, 10-1-74, Cl. 353-27.000.

Gawlick, Heinz: *See—*
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Gawron, Louis, Jr.: *See—*
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Gay, Alphonse. Curtain suspending device. 3,820,191, 6-28-74, Cl. 16-87.200.

Gay, Andrew G.: *See—*
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Gay, Derek J.; Smedley, William H.; Cohen, Aaron G.; Dworkin, Darryl R.; Nuttall, Michael W.; and Wilson, Nicol S., to Mattel, Inc. Portable display toy. 3,808,732, 5-7-74, Cl. 46-12.000.

Gay, Michael J., to Motorola, Inc. Differential current amplifier. 3,783,400, 1-1-74, Cl. 330-30.00d.

Gay, Michel: *See—*
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Gay, Michel; and Houde, Michel, to Rhone-Poulenc S.A. Process for the preparation of nitroximes and nitroketones. 3,822,314, 7-2-74, Cl. 260-566.00a.

Gay, Pierre, to Creusot-Loire Entreprises. Cutting equipment for a multi-line continuous casting plant. 3,855,888, 12-24-74, Cl. 83-303.000.

Gay, Walter A.; and Gavin, David F., to Olin Corporation. Production of monochloroacetonitrile. 3,825,581, 7-23-74, Cl. 260-465.700.

Gay, Walter A.; and Raymond, Maurice A., to Olin Corporation Method for preparing aromatic aldehydes. 3,855,305, 12-17-74, Cl. 260-600.000.

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Gaydasch, Alexander, to Universal Oil Products Company. Pour point depression. 3,812,034, 5-21-74, Cl. 252-57.000.
Gaydasch, Alexander, to Universal Oil Products Company. Aryl carboxylic acid salts of di(n-octadecyl) amine. 3,846,481, 11-5-74, Cl. 260-501.100.
Gaydecki, Jan, to Dunlop Limited. Springs. 3,830,483, 8-20-74, Cl. 267-63.00a.
Gaydos, Donald M. Application of flock to the body for cosmetic purposes. 3,856,026, 12-24-74, Cl. 132-73.000.
Gaydos, George R., Jr. Solar heat absorber. 3,853,114, 12-10-74, Cl. 126-271.000.
Gaydos, George Roy, Jr. Solar heating system. 3,815,574, 6-11-74, Cl. 126-271.000.
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Gaylord, Asa K., to Gaylord Industries. Electrostatic precipitator for high temperature operation. 3,788,041, 1-29-74, Cl. 55-129.000.
Gaylord Bros., Inc.: *See—*
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Gaylord, Eber W., to Gulf Research & Development Company. Centrifugal cleaner. 3,789,984, 2-5-74, Cl. 209-505.000.
Gaylord, Eber W.; Goodwin, Robert J.; and Mori, Ernest A., to Gulf Research & Development Company. Slotted in-line screen. 3,831,753, 8-27-74, Cl. 209-399.000.
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Gaylord, John A., to Koch, H., & Sons, Inc. Parachute harness release. 3,785,597, 1-15-74, Cl. 244-151.00a.
Gaylord, John A. Denture holding means. 3,787,974, 1-29-74, Cl. 32-3.000.
Gaylord, John A., to Koch, H., & Sons, Inc.; a division of Global Systems, a Gulf & Western Company. Quick release harness. 3,841,666, 10-15-74, Cl. 285-33.000.
Gaylord, John A., to Koch, H., & Sons, Inc. Survival kit connection to harness. 3,845,525, 11-5-74, Cl. 24-201.00a.
Gaylord, Norman G., to Polycon Laboratories, Inc., mesne. Oxygen-permeable contact lens composition, methods and article of manufacture. 3,808,178, 4-30-74, Cl. 260-86.10e.
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Gayner, Herbert; and Smith, David A., to Aluminum Company of America. Method of establishing a shielded container wall opening. 3,800,395, 4-2-74, Cl. 29-413.000.
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Gaynor, Joseph, to Bell & Howell Company. Information recording methods, apparatus and media. 3,795,009, 2-26-74, Cl. 346-74.00m.
Gaynor, Joseph; Anderson, Terry G.; Hines, Walter; and Tyler, Len A., to Bell & Howell Company. Method and apparatus for inductive electrophotography. 3,820,985, 6-28-74, Cl. 96-1.00r.
Gaynor, Joseph; Yamada, Yoshikazu; and Tat-Hin Sund, Joseph, to Bell & Howell Company. Process for making dye transfer copies of improved quality. 3,839,956, 10-8-74, Cl. 101-472.000.
Gaynor, Joseph, to Bell & Howell Company. Electrophotography using induced electrostatic images. 3,843,361, 10-22-74, Cl. 96-1.400.
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Gazuit, Georges. Tire curing press tire bead positioning device. 3,794,457, 2-26-74, Cl. 425-28.00r.
Gazuit, Georges. Loader for tire curing press. 3,809,423, 5-7-74, Cl. 294-88.000.
Gazuit, Georges. Vulcanizing press intended for curing radial tires by means of a bladder of toroidal shape. 3,837,770, 9-24-74, Cl. 425-33.000.
Gazza, George E., to United States of America, Army. Hot pressed, high strength silicon nitride. 3,830,652, 8-20-74, Cl. 106-55.000.
Gazzo, John J., Jr.: *See—*
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Gazzola, Ivaldo; deceased (by Gazzola, Eles; and Gazzola, Lanfranco; heirs); D'Amato, Salvatore F.; and Foote, Chauncey P., Jr., to American Bank Note Company. Apparatus for maintaining registry between the plates of a multiple plate cylinder press and shets supplied thereto. 3,822,644, 7-9-74, Cl. 101-242.000.
Gazzola, Ivaldo, deceased (by Gazzola, Eles; and Gazzola, Lanfranco; heirs); D'Amato, Salvatore F.; and Foote, Chauncey P., Jr., to American Bank Note Company. Apparatus for fitting flexible printing plates and rigging to printing press cylinders. 3,828,67, 8-13-74, Cl. 101-247.000.
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Gearhart, George E. Method of and means for improving the armhole construction of a garment. 3,815,154, 6-11-74, Cl. 2-93.000.
Gearhart, Walter S., to Ametek, Inc. Hydrostatic altimeters and methods of use. 3,815,423, 6-11-74, Cl. 73-432.0ha.
Gearhart, Walter S. Hydrostatic leveling apparatus with control operator. 3,835,548, 9-17-74, Cl. 33-367.000.
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Geary, Riley R. Sleeping bag. 3,831,206, 8-27-74, Cl. 5-343.000.
Geary, William M. Bed and pillow assembly. 3,808,615, 5-7-74, Cl. 5-338.000.
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Gebauer, Hans, to Hoesch Maschinenfabrik Deutschland AG. Method and apparatus for producing welded spiral seam pipe. 3,818,740, 6-25-74, Cl. 72-203.000.
Gebauer, Hans, to Hoesch Maschinenfabrik Deutschland AG. Method and apparatus for the production of helical seam pipe. 3,845,645, 11-5-74, Cl. 72-12.000.
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Gebben, Vernon D.; and Webb, John A., Jr., to United States of America, National Aeronautics and Space Administration. Circuit for detecting initial systole and dicrotic notch. 3,850,169, 11-26-74, Cl. 128-2.05p.
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Avrutin, July Davidovich; Gebel, Iosif Davydovich; Nefedov, Askold Ivanovich; and Khilevich, Solomon Abramovich, 3,857,207.
Gebel, Irving; and Kahale, Abed G., to Controls Company of America. Fully grounded pressure switch. 3,798,400, 3-19-74, Cl. 200-83.00r.
Gebel, Kurt M.; and Price, Ralph E., to Landis Tool Company. Pressure indicating device for hydrostatic bearings. 3,812,627, 5-28-74, Cl. 51-238.00r.
Gebel, Kurt M., to Landis Tool Company mesne. Fluid means for locking a machine part in working position. 3,820,443, 6-28-74, Cl. 91-420.000.
Gebel, Radames K. H.; and Fettis, Henry E., to United States of America, Air Force. Controllable edge sharpening system for time sequential signals. 3,792,363, 2-12-74, Cl. 328-164.000.
Gebelein, Edward F., Jr., to Chandler Evans Inc. Proportional solenoid actuator. 3,857,081, 12-24-74, Cl. 318-687.000.
Gebelius, Sven Runo Vilhelm. Supporting and insulating device for a piping system. 3,797,529, 3-19-74, Cl. 138-111.000.
Gebeshuber, Johann; and Meusel, Wilhelm, to Maschinenfabrik Augsburg-Nurnberg, Aktiengesellschaft Werk Nurnberg. Device for holding test head. 3,824,843, 7-23-74, Cl. 73-71.5us.
Gebhard, Harold C., to Ford Motor Company. Windshield cleaner assembly. 3,793,671, 2-26-74, Cl. 15-250.010.
Gebhard, Harold C.; and Keller, Alfred M., to Ford Motor Company. Remote control latch release mechanism. 3,831,406, 8-27-74, Cl. 70-1.500.
Gebhard, Harold C.; and Keller, Alfred M., to Ford Motor Company. Remote control hood latch release mechanism. 3,831,409, 8-27-74, Cl. 70-241.000.
Gebhard, Manfred; Nitzsche, Curt; and Pfeffer, Simon, to Metallgesellschaft Aktiengesellschaft. Adhesive for bonding elastomers to metallic and nonmetallic substrates. 3,826,772, 7-30-74, Cl. 260-31.2mr.
Gebhard, Rainer; and Axberg, Sture. Apparatus for cleaning the air from a spray painting chamber. 3,795,093, 3-5-74, Cl. 55-238.000.
Gebhardt, Hans; Prahl, Franz; and Schorwerth, Mathias, to Knorr-Bremse G.m.b.H. Brake shoe for railway vehicle disk brakes. 3,851,738, 12-3-74, Cl. 188-244.000.
Gebhardt, John C., to Cadcom, Incorporated. Light weight, high strength concrete and method for manufacturing the same. 3,782,985, 1-1-74, Cl. 106-97.000.
Gebhardt, Otto R., to Mueller Ernst, K.G., Firma. Head for powder spraying gun. 3,811,620, 5-21-74, Cl. 239-499.000.
Gebhardt, Richard. Stow roller train for cargo. 3,848,727, 11-19-74, Cl. 198-127.000.
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Gebhardt, Richard A.; Priester, Willis M.; Muchlinski, Donald A.; King, Donald L.; Parke, Donald P.; Goldberg, Gerald M.; Scheidler, Stuart P.; and Sidlo, Richard, to Hughes Aircraft Company. Airborne switched array radar system. 3,833,904, 9-3-74, Cl. 3435.0dp.
Gebhardt, Rudolf: *See—*
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Gebhardt, Wallace A.: *See—*
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Gebhart, Howard C.: *See—*
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Gebhart, Josef: *See—*
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Gebien, Willard, to Bel-Air Tool, Die & Engineering Company. Self-cleaning grill for portable charcoal cooking unit. 3,800,777, 4-2-74, Cl. 126-25.00r.
Gebler, Horst; and Lohmann, Harald, to Kalle Aktiengesellschaft. Roll systems for webs of material. 3,806,018, 4-23-74, Cl. 226-183.000.
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Gechele, Walter; and Piazza, Bruno, to Olivetti, Ing., C., & C., S.p.A. Machine for recording visually interpretable data and machine readable information on a ticket. 3,787,875, 1-22-74, Cl. 346-74.0mp.
Geck, Gunter; and Langhammer, Hans Jurgen, to Klockner-Werke AG. Method for melting particulate metal. 3,788,837, 1-29-74, Cl. 75-55.000.
Geczy, Bela; and Wilms, Carl Alfred, to Jackson, Byron, Inc. Orienting apparatus for threaded well pipe. 3,803,953, 4-16-74, Cl. 81-53.00a.
Ged, Agnes P. Method for cleaning away pet stools. 3,853,619, 12-10-74, Cl. 134-4.000.
Gedde, Ove Christopher. Process for electrolytically colouring of aluminum which has previously been anodically oxidized. 3,849,263, 11-19-74, Cl. 204-35.00n.
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Gedwill, Michael A.; and Grisaffe, Salvatore J., to United States of America, National Aeronautics and Space Administration. Method of protecting the surface of a substrate. 3,849,865, 11-26-74, Cl. 29-460.000.
Gedye, Rodney Banfield. Display units. 3,785,499, 1-15-74, Cl. 211-4.000.
Gedzjun, Vladislav Aloizovich; and Yakovlev, Petr Antipovich. High-voltage capacitor. 3,787,721, 1-22-74, Cl. 317-242.000.
Gee, Alan E.; and Snitzer, Elias, to American Optical Corporation. Scanning electron microscope. 3,842,271, 10-15-74, Cl. 250-310.000.
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Gee, James E.; Moser, Raymond L.; and Woody, Albert L., to Caterpillar Tractor Company. Haul unit suspension system. 3,840,244, 10-8-74, Cl. 280-124.00r.
Gee, James E.; and Stedman, Robert N., to Caterpillar Tractor Company. Auger scraper and ejector system. 3,857,190, 12-31-74, Cl. 37-8.000.
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Geerdes, James D., to American Manufacturing Company, Inc. Method of forming expanded composite materials in the absence of recognized blowing agents. 3,846,523, 11-5-74, Cl. 264-41.000.
Geering, Emil J.; and Dachs, Norman W., to Hooker Chemical Corporation. Polyesters prepared from hydroxyarylthio anhydrides. 3,832,329, 8-27-74, Cl. 260-47.00c.
Geerlings, Antonius Hubertus. Apparatus for supplying a gas, especially an oxygen into a liquid. 3,799,515, 3-26-74, Cl. 261-92.000.
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Geese, Albert; Hoher, Herbert; and Akowicz, Erwin A., to Siemens Aktiengesellschaft. Time delay switch having contact rain actuator and energy storage means. 3,798,397, 3-19-74, Cl. 200-34.000.
Geese, Karl Heinz; Oberschiven, Hermann; and Pradel, Karl. Means for mounting a work roll on a shaft. 3,803,691, 4-16-74, Cl. 29-200.00r.
Geesen, Michel, to Societe dite: Electronique Marcel Dassault. Serially operated comparison system with discontinuance of comparison on first mismatch. 3,784,980, 1-8-74, Cl. 340-146.200.
Geevert, Herbert; and Peter, Keith. Sound reproduction system. 3,816,672, 6-11-74, Cl. 179-115.50r.
Geffen, Hyman. Display writing instrument. 3,846,927, 11-12-74, Cl. 40-334.000.
Geffert, Paul J., to International Harvester Company. Self-cleaning water cooled burning table. 3,792,846, 2-19-74, Cl. 266-23.00f.
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Geffroy, Robert, to Sealfire. Equipment for the irrigation, treatment and feeding of soils and plants by underground diffusion of fluids. 3,840,182, 10-8-74, Cl. 239-145.000.
Geffs, Tolman F., to Parker-Hannifin Corporation. Integrated emergency oxygen and fuel tank inerting system. 3,838,576, 10-1-74, Cl. 62-45.000.
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Gegauff, Gustav. Necktie holder. 3,853,225, 12-10-74, Cl. 211-89.000.
Gegenheimer, Harold W.; and Stad, Andrew N., to Baldwin-Gegenheimer Corporation. Mechanism for removing ink from ink containers. 3,838,864, 10-1-74, Cl. 277-163.000.
Gegenheimer, Harold W.; Siebein, Walter A.; and Hancock, George J., to Baldwin-Gegenheimer Corporation. Ink level control system. 3,848,529, 11-19-74, Cl. 101-363.000.
Gego, Arno, to Klockner-Humboldt-Deutz Aktiengesellschaft. Vehicle, especially motor vehicle for agricultural purposes. 3,833,079, 9-3-74, Cl. 180-44.00f.
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Gehlan, Hermann Walter. Vehicle with depositable ramp for the forming of bridges, particularly floating bridges and ferries. 3,837,027, 9-24-74, Cl. 14-27.000.
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Gehman, John B., to General Dynamics Corporation. Radio frequency intrusion detection system. 3,794,992, 2-26-74, Cl. 343-5.0pd.
Gehman, John B.; and Ravenis, Joseph V. J., to General Dynamics Corporation. Sensor system. 3,836,960, 9-17-74, Cl. 343-5.0pd.
Gehrie, Charles S., to Presto Lock Company; Division of and Presto Lock Co.; division of Kidde, Walter, & Company, Inc. Combination lock. 3,851,507, 12-3-74, Cl. 70-316.000.
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Gehring, Christoph W., to Maschinenfabrik Gehring KG. Measuring device for surfaces to be machined on machine tools. 3,823,511, 7-16-74, Cl. 51-34.00r.
Gehring, Donald H. Inductorless amplitude modulator and demodulator apparatus. 3,810,047, 5-7-74, Cl. 332-31.00r.
Gehring, Fritz; and Jager, Karl, to Dornier A.G. Molecular pump comprising a pump cylinder equipped with a thread. 3,802,794, 4-9-74, Cl. 415-72.000.
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Gehrmann, Klaus; Ohorodnik, Alexander; Dettmeier, Udo; and Berns, Heinz-Josef, to Knapsack Aktiengesellschaft. Process for the manufacture of 3,4-dichlorobutene-1. 3,850,999, 11-26-74, Cl. 260-654.00r.
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Geiersbach, Allois F.; and Stich, Frederick A., to Allis-Chalmers Corporation. Control for commutatorless motor. 3,784,888, 1-8-74, Cl. 318-138.000.
Geiersbach, Allois F.; and Price, Raymond G., to Allis-Chalmers Corporation. Pulse control circuit for a DC load. 3,784,890, 1-8-74, Cl. 318-345.000.
Geiersbach, Allois F.; and Gilmore, Thomas P., to Allis-Chalmers Corporation. Power rectifier having phase control angle of firing signals independent of supply frequency variation. 3,849,719, 11-19-74, Cl. 321-69.00r.
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Geiger, David H.; and Berger, Horst, to Geiger, David-Berger, Horst P.C. Prestressed membrane structure. 3,807,421, 4-30-74, Cl. 135-1.00r.
Geiger, David H. Roof construction. 3,835,599, 9-17-74, Cl. 52-2.000.
Geiger, David H. Roof construction. 3,841,038, 10-15-74, Cl. 52-80.000.
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Geiger, Ervin D. Flying saucer. 3,828,466, 8-13-74, Cl. 46-74.00d.
Geiger, Ervin D. Archery bow with a sling shot in combination. 3,834,368, 9-10-74, Cl. 124-20.00b.
Geiger, Franklin O., to Farrington Business Machines Corporation. Recessed keyboard imprinter. 3,818,826, 6-25-74, Cl. 101-45.000.
Geiger, Friedhelm; and Weigert, Wolfgang, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Catalyst for the production of cyanogen chloride. 3,839,543, 10-1-74, Cl. 423-379.000.
Geiger, Friedrich, to Daimler-Benz Aktiengesellschaft. Bumper for motor vehicles. 3,817,565, 6-18-74, Cl. 293-63.000.
Geiger, Friedrich. Spring-type exerciser. 3,825,252, 7-23-74, Cl. 272-82.000.
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Geiger, Rolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of desphenylalanin bi-insulin. 3,801,564, 4-2-74, Cl. 260-112.700.
Geiger, Timothy F., to United States of America, Army. Multiple pulse repetition frequency decoder. 3,851,261, 11-26-74, Cl. 328-165.000.
Geiger, Willard L., to Erico Products, Inc. Pulse coded railway signal system. 3,829,682, 8-13-74, Cl. 246-125.000.
Geiger, Willard L., to Erico Rail Products Company, mesne. Railway signal system with speed determined movement detector. 3,850,390, 11-26-74, Cl. 246-128.000.
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Geigy, J. R., A.G.: *See—*
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Geihl, Jerry L., to Watson, M. J.; d/b/a. Foldable and expandable modular shelter unit. 3,827,198, 8-6-74, Cl. 52-69.000.
Geil, Fred G., to United States of America, Navy. Instant replay helium speech unscrambler using slowed tape for correction. 3,813,687, 5-28-74, Cl. 360-8.000.
Geilhufe, Michael; and Mehta, Rustam Jehangir, to Advanced Memory Systems, Inc. High speed MOS random access read/write memory device. 3,848,237, 11-12-74, Cl. 340-173.00r.
Geilhufe, Mike: *See—*
Mehta, Rustam J.; Geilhufe, Mike; and Palfi, Thomas L., 3,795,898.
Geimer, Allan F. J. Pneumatic launcher and combination flare-ignitor. 3,827,360, 8-6-74, Cl. 102-70.00f.
Geimuplast Peter Mundt KG: *See—*
Mundt, Peter Hans Ernst; Urban, Otfried; and Neuhold, Arnold, 3,807,121.
Geipel, Stanley W., to Metallo Gasket Co. Gasket structure and method of manufacture. 3,815,927, 6-11-74, Cl. 277-180.000.
Geis, Warren P., to Koehring Company. Means for locking forklift truck forks in stored position. 3,825,139, 7-23-74, Cl. 214-731.000.
Geisco Associates: *See—*
Cofek, Henry R., 3,849,004.
Geise, Harold Eugene: *See—*
Weinberg, Jerome; Geise, Harold Eugene; and Andrews, Thomas Warren, 3,798,775.
Geisel, Charles E., to Container Corporation of America. Caulking cartridge filling and seaming machine. 3,788,035, 1-29-74, Cl. 53-282.000.
Geiser, Edward M., to Universal Oil Products Company. Lubricating oil composition. 3,813,228, 5-28-74, Cl. 44-58.000.
Geiser, Hans; and Tessendorf, Gunter, to Licentia Patent-Verwaltungs-G.m.b.H. Connecting element for conductors. 3,829,822, 8-13-74, Cl. 339-98.000.
Geisler, Chris Daniel: *See—*
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Herrmann, Walter; Geisler, Heinrich; and Hofer, Friedrich-Wilhelm, 3,854,289.

Geisler, Roland; and Konic, Wilhelm, to Neuhausser KG and Bergwerksverband GmbH. Concrete-displacement apparatus. 3,848,810, 11-19-74, Cl. 239-417.300.

Geislinger, Eric L. Apparatus for programming movement of a cart. 3,789,939, 2-5-74, Cl. 180-6.500.

Geiss, Richard; and Quarch, Rolf. Solvent based detergent. 3,856,695, 12-24-74, Cl. 252-162.000.

Geissel, August; Lehnert, Richard; and Forster, Rudolf, to Gebruder Netzsch, Maschinenfabrik. Agitator mill. 3,817,461, 6-18-74, Cl. 241-73.000.

Geissler, Paul R.; and Healy, Frank J., to Esso Research and Engineering Company. Minimizing elution volumes in liquid chromatographic separations. 3,835,043, 9-10-74, Cl. 210-31.00c.

Geissmann, Theodor: *See—*
Vetter, Walter; Mueller, Hanspeter; and Geissmann, Theodor, 3,846,570.

Geist, Jacob M.; Paul, Roy A.; and Thorogood, Robert M., to Air Products and Chemicals, Inc. Contacting column. 3,814,397, 6-4-74, Cl. 261-114.00r.

Geist, Kenneth R.; and Walsh, James E., 1/2 interest to Brust, John J. Method for measuring alcoholic content of a liquid. 3,810,737, 5-14-74, Cl. 23-230.00r.

Geist, Thomas N.: *See—*
Ballas, George C.; and Geist, Thomas N., 3,826,068.

Geisthoff, Hubert: *See—*
Buthe, Theo; and Geisthoff, Hubert, 3,800,558.

Geisthoff, Hubert, to Walterscheid, Jean, GmbH. Wheel chock for vehicles. 3,845,845, 11-5-74, Cl. 188-32.000.

Geisthoff, Hubert, to Walterscheid, Jean, GmbH. Device for connecting an agricultural implement, machine or the like to a tractor. 3,847,415, 11-12-74, Cl. 280-478.00r.

Geistlich, Ed, Sohne A.G. fur Chemische Industrie: *See—*
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Geiszler, Adolph Oscar: *See—*
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Geiszler, Adolph Oscar, to Abbott Laboratories. 1-(3-Bromo-4-hydroxymethylphenyl)-4-(4-bromo)-phenacylpiperazine. 3,808,214, 4-30-74, Cl. 260-268.0ph.

Geiszler, Adolph Oscar, to Abbott Laboratories. 1-p-Methoxycinnamoyl)-4-(5-phenyl-4-oxo-2-oxazolin-2-yl)-piperazine as an antimalarial agent. 3,821,379, 6-28-74, Cl. 424-250.000.

Geiszler, Henriette: *See—*
Geiszler, Lorinc; Simon, Tibor; Varga, Mihaly; and Tolnay, Agoston, 3,843,057.

Geiszler, Lorinc; deceased (by Geiszler, Henriette; heiress); Simon, Tibor; Varga, Mihaly; and Tolnay, Agoston, to Egyesult Izzolampa es Villamossagi Reszvenytarsasag. Circular burner for the vacuum-tight pinching of light sources having quartz tubes. 3,84,057, 10-22-74, Cl. 239-132.300.

Gejyo, Tetuo; Saito, Tadashi; Minagawa, Shigekazu; Moriwaki, Keikichi; Otsuka, Kanji; and Sugawara, Katsuro, to Hitachi, Ltd. Method for growing lead conductors on planar transistors. 3,796,598, 3-12-74, Cl. 117-217.000.

Gela, Helmut: *See—*
Muszumanski, Trude; and Gela, Helmut, 3,784,283.

Gela, Helmut; Besenmatter, Walter; Scheiber, Robert; Schneider, Fritz; and Rothy, Gerhard, to Vockenhuber, Karl and Hauser, Raimund. Range finder. 3,844,658, 10-29-74, Cl. 356-4.000.

Gelardi, Joseph T., to American Technical Industries, Inc. Apparatus for forming loops from springs. 3,857,421, 12-31-74, Cl. 140-71.00r.

Gelatt Investments, Inc., mesne: *See—*
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Gelbe, Horst: *See—*
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Gelbein, Abraham Perry; Luberoff, Benjamin Joseph; Sze, Morgan Chuan-Yuan; and Whitehead, Richard T., to Cummus Company, The. Production of aromatic polycarboxylic acids. 3,833,647, 9-3-74, Cl. 260-515.00p.

Gelbenegger, Franz. Angle adjustment unit for prostheses and ortheses. 3,790,965, 2-12-74, Cl. 3-21.000.

Gelbman, Lawrence F. Fire resistant composition containing gypsum and silicate-based material and process for making same. 3,853,571, 12-10-74, Cl. 106-105.000.

Geld, Pavel Vladimirovich: *See—*
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Gelders, Albert H. Hydraulic transmission system. 3,838,574, 10-1-74, Cl. 60-494.000.

Geldner, Ernst: *See—*
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Gelenkwellenbau GmbH: *See—*
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Gelfand, Daniel, to Buchler Instruments Division, Nuclear-Chicago Corporation. Multitube peristaltic pump with individual programming control. 3,832,096, 8-27-74, Cl. 417-475.000.

Gelfand, Leonard, to Erico Products, Inc. Cable and like splicing apparatus. 3,782,677, 1-1-74, Cl. 249-97.000.

Gelfand, Mikhail Lvovich; Isipenjuk, Yakov Isaakovich; Podlesnykh, Petr Ivanovich; Sergeichik, Vladimir Adamovich; Rutgaizer, Mikhail Isaakovich; and Antipov, Georgy Afanasievich. Impact wrench. 3,804,180, 4-16-74, Cl. 173-15.000.

Gelfand, Samuel; Carr, Russell L. K.; and Baranauckas, Charles F., to Hooker Chemical Corporation. Fluoro-2-hydroxytetrahydropyrans. 3,816,468, 6-11-74, Cl. 260-345.900.

Gelfand, Samuel, to Hooker Chemical Corporation. Polyhalocyclopentenyl phenyl compounds. 3,839,454, 10-1-74, Cl. 260-590.000.

Gelfgat, Jury Moiseevich; Lielausis, Olgert Adolfovich; Sunakslis, Yanis Mikelevich; and Shtern, Alexandr Gennadievich. Method and means for magnetohydrodynamically controlling the flow rate of a current-conducting liquid. 3,807,903, 4-30-74, Cl. 417-50.00.

Gelhaar, Rolf; Nitz, Juergen; and Rau, Kurt, to Metallgesellschaft Aktiengesellschaft. Electrostatic precipitator. 3,803,809, 4-16-74, Cl. 55-148.000.

Gelhard, Egon; and Gunkel, H. Rudolf. Self-progressing construction system. 3,845,515, 11-5-74, Cl. 14-77.000.

Gelin, Jacques Andre; and Dera, Alain Joseph, to Regie Nationale des Usines Renault. Electronic fuel injection control device. 3,788,285, 1-29-74, Cl. 123-32.0ca.

Gelin, Robert J., to Owens-Corning Fiberglas Corporation. High speed molding process. 3,809,739, 5-7-74, Cl. 264-297.000.

Gelin, Robert J.; and Sanders, James E., to Owens-Corning Fiberglas Corporation. Apparatus for handling linear elements. 3,821,543, 6-28-74, Cl. 242-42.000.

Gelin, Robert J., to Owens-Corning Fiberglas Corporation. Pulling wheel construction. 3,826,418, 7-30-74, Cl. 226-190.000.

Gell, Dennis, to Stibbe-Monk Developments Limited. Mandrel assembly for pattern disc preparation machines. 3,831,261, 8-27-74, Cl. 29-467.000.

Gellekink, Bernard: *See—*
Van Staaden, Cornelis Augustinus; Bodmer, Maximiliaan Hubert; Van Hijfte, Herman Michel; and Gellekink, Bernard, 3,827,049.

Gellekink, Bernard, to N.V. Hollandse Signaalapparaten. Noise-figure measuring circuit. 3,794,999, 2-26-74, Cl. 343-17.700.

Gellekink, Bernard; and Clemens, Theodorus Albertus, to N.V. Hollandse Signaalapparaten. Target take-over circuit. 3,820,113, 6-25-74, Cl. 343-7.300.

Geller, Carl F. Cable cutter. 3,844,037, 10-29-74, Cl. 30-231.000.

Geller, Myer: *See—*
Altman, Daniel E.; Barstow, Glidden J.; and Geller, Myer, 3,792,373.

Geller, Richard, to Commissariat a l'Energie Atomique. Method and device for producing by charge-transfer a beam of neutral particles or of ions having multiple charges. 3,790,787, 2-5-74, Cl. 250-251.000.

Geller Shoes, Inc.: *See—*
Siskin, Abe, 3,832,793.

Geller, Sidney B., to United States of America, Commerce. Universal dropout tester for magnetic storage media. 3,826,975, 7-30-74, Cl. 324-34.0ta.

Gellert, Dale A., to Procter & Gamble Company, The. Removable diaper topsheet portion for disposal of solid wastes. 3,842,838, 10-22-74, Cl. 128-28.00a.

Gellert, Jobst Ulrich. Valve gate pin actuating mechanism. 3,806,295, 4-23-74, Cl. 425-245.00r.

Gellert, Jobst Ulrich. Hot runner heater. 3,822,856, 7-9-74, Cl. 249-105.000.

Gelles, Nicholas; Shiley, Paul J.; and Casella, Michael D., 1/2 to Bethlehem Steel Corporation and 1/2 to Rose Iron Works, Inc. Billet turning wrench. 3,788,690, 1-29-74, Cl. 294-17.000.

Gellman, Gary: *See—*
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Gellman Industries, Inc.: *See—*
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Block, Charles, 3,802,361.

Gelman, Charles; and Vadnay, Attila, to Gelman Instrument Company. Funnel with magnetic filter retainer. 3,831,759, 8-27-74, Cl. 210-232.000.

Gelman Instrument Company: *See—*
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Geluk, Ronald Jan, to N.V. Optische Industrie "De Oude Delft". Method of making an output filter for an image intensifier tube with color reproduction and an output made according to this method. 3,801,739, 4-2-74, Cl. 178-7.850.

Gelzer, John R. Wiping anvil assembly for bending component leads. 3,804,317, 4-16-74, Cl. 227-155.000.

Gelzheiser, Francis L.: *See—*
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Gelzheiser, Francis L., to Westinghouse Electric Corporation. Circuit breaker with improved frame and cradle support means. 3,832,663, 8-27-74, Cl. 337-112.000.

Gem Electro-Magnetics Company, Inc.: *See—*
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Gem Industries, Inc.: *See—*
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Gemeinhardt, Paul G.; and Britain, J. W., to Baychem Corporation, mesne. Dialkyl carboxylate/tertiary amine catalyst combination. 3,822,223, 7-2-74, Cl. 260-2.5ac.

Gemender, John F.; and Schwenker, Eric H., to Addison Products Company. Refrigeration system charging kit. 3,813,893, 6-4-74, Cl. 62-129.000.

Gemmer France: *See—*
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Gemmill, Robert M., Jr.; and Schick, John W., to Mobil Oil Corporation. Substituted indans. 3,792,096, 2-12-74, Cl. 260-612.00r.

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Genbauffe, Francis S.: *See—*
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Genbauffe, Francis S., to Robertshaw Controls Company. Plural range pressure regulator construction or the like and the method of making the same or the like. 3,825,029, 7-23-74, Cl. 137-271.000.

Genbauffe, Francis S., to Robertshaw Controls Company. Control system and control device therefor or the like. 3,834,661, 9-10-74, Cl. 251-89.000.

Genchi, Hiroshi; and Yonlyama, Tsuneo, to Tokyo Shibaura Electric Co., Ltd. Pattern processing apparatus. 3,794,761, 2-26-74, Cl. 178-7.200.

Genchi, Rocco. Tool holder. 3,854,639, 12-17-74, Cl. 224-26.00b.

Gendin, Gennady Semenovich. Earphone with frequency correction. 3,849,602, 11-19-74, Cl. 179-1.00d.

Gendreau, Armand W.: *See—*
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Gendreu, Robert; and Platel, Serge, to Thomson-CSF. Device for imparting an alternating rotary motion to a body, about a mechanical axis. 3,794,901, 2-26-74, Cl. 318-627.000.

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Gendron, Wilfred H., to United States Envelope Company. Two-way mailing item and continuous form assembly thereof. 3,791,572, 2-12-74, Cl. 229-69.000.

Gendron, Wilfred H.; and Reed, Winslow W., to United States Envelope Company. Method for making personalized letter packages. 3,820,447, 6-28-74, Cl. 93-73.000.

Gendron-Diemer, Inc.: *See—*
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Gendrot, Andre Jean-Claude. Method and device for recorded audio-visual programming. 3,827,080, 7-30-74, Cl. 360-80.000.

Genequand, Pierce, to Battelle Development Corporation, The. Method and apparatus for measuring, by ionization, the flux of vapour emitted during vacuum vaporization. 3,842,267, 10-15-74, Cl. 250-291.000.

General American Transportation Corporation: *See—*
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General Concrete Ltd.: *See—*
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General Crude Oil & Minerals Company, S.A.: *See—*
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General Cryogenics, Inc.: *See—*
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General Datacomm Industries: *See—*
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General Dynamics Corporation: *See—*
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Tiemann, Jerome J., 3,801,883.
Tillson, Robert S., 3,858,058.
Titterington, William Alexander; and Milgate, Robert White, Jr., 3,820,956.
Titus, Charles H.; and Wittle, J. Kenneth, 3,812,620.
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Tracy, John Gaylord, 3,800,211.
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True, Thomas T.; and Bates, William C., 3,806,636.
Turner, Prescott K., 3,810,075.
Turner, Roger C.; and Simms, Michael L., 3,834,779.
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Vick, Leonard L., 3,794,396.
Viventi, Richard V., 3,816,282.
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Wagner, Donald M., 3,789,212.
Walden, John P., 3,842,338.
Walker, James L.; and Sawyer, Thomas F., 3,783,032.
Walley, Joseph M., 3,858,018.
Walmet, Gunnar E.; Corman, James C.; and McLaughlin, Michael H., 3,852,803.
Walter, John L.; and Cline, Harvey E., 3,782,928.
Walter, John L.; and Cline, Harvey E., 3,793,012.
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Wambach, Allen D., 3,833,535.
Wambach, Allen D., 3,833,685.
Wanger, Robert Pierce, 3,814,324.
Wanger, Robert Price, 3,831,493.
Warburton, Joe Allen; and Wilson, Henry Lewis, 3,828,119.
Ward, Howard Christian, Jr., 3,858,068.
Ward, William J.; Salemme, Robert M.; and Mayer, Jerome F., 3,819,806.
Watrous, Donald L., 3,787,167.
Watrous, Donald L., 3,836,824.
Waugh, Richard A.; and Martin, Jerry C., 3,805,559.
Waugh, Richard A.; and Mitchell, Thomas P., 3,805,562.
Waugh, Richard A., 3,822,571.
Webb, Jimmey L.; and Hall, Walter L., 3,833,617.
Webb, Jimmy L.; and Hall, Walter L., 3,821,317.
Webb, Robert F.; and Roberts, John J., 3,821,594.
Webb, Robert F., 3,828,251.
Weber, Kurt H., 3,817,683.
Weddleton, Richard Francis, 3,853,817.
Weichbrodt, Bjorn; and Darrel, Bernard, 3,798,626.
Weinfurt, Phillip T.; and Lijewski, Robert P., 3,811,040.
Weininger, Joseph L.; and Agens, Maynard C., 3,793,060.
Welch, Stanley B., 3,815,113.
Wentorf, Robert H., Jr.; and Rocco, William A., 3,831,428.
Wentorf, Robert H., Jr., 3,839,550.
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Wernli, Andreas, 3,783,387.
West, Thomas G.; Collins, James R.; and Broski, Thomas J., 3,801,867.
Wetherell, Daniel L., 3,846,638.
Wheeler, James E., 3,822,057.
White, Dwain M.; and Klopfer, Howard J., 3,809,673.
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White, James A.; and Nowosielski, Peter, 3,842,542.
White, John E.; and Smialek, Robert L., 3,840,768.
Whitman, Nelson, 3,811,816.
Widlansky, William; and Koff, Bernard L., 3,844,110.
Wilcox, Albert F.; and Mees, Robert D., 3,833,182.
Wilk, Stanley H., 3,789,774.
Wilkinson, Robert E.; Truitt, Robert B.; Hunter, Richard P., and Bennett, Ronald E. (said Hunter and Bennett assors. to), 3,801,727.
Wilkus, Edward V.; and Berger, Abe, 3,855,241.
Will, Fritz G., 3,833,420.
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Willard, Henry G., 3,803,455.
William, Frank J., III, 3,847,869.
William, Frank J., III, 3,850,964.
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Williams, Larry D., 3,818,587.
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Willis, Robert John, Jr.; Kalikow, Irving; Jordan, Harold John; and Jacobson, John William, 3,830,056.
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Wirth, Joseph G.; and Heath, Darrell R., 3,787,364.
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Wolfe, John E.; Ledges, George E.; and Glascock, Homer H., 3,814,975.
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Wolfinger, John F., 3,794,915.
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Woodmansee, Donald E., 3,811,849.
Woods, Lee O., 3,825,781.
Wright, Archibald N.; Burgess, William R.; and Wilkos, Edward V., 3,787,382.
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Yager, William Clausen, 3,840,417.
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Hill, Anthony, 3,846,692.
Phillips, Brian Harry; and Young, Robert Gary, 3,786,415.
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Bell, Richard A.; Wallace, Earl C.; and Winters, Ted W., 3,856,347.
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General Film Development Corporation: *See—*
Speers, Daniel E., 3,857,710.
Speers, Daniel Earle, 3,806,344.
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General Fireproofing Company, The: *See—*
Textoris, Melvin A., 3,807,320.

General Foam Plastics Corporation: *See—*
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General Foods Corporation: *See—*
Adler, Irwin L., 3,798,341.
Balling, T. Thomas; and Mahlmann, James P., 3,810,999.
Barnett, Stanley; and Mak, Tyrone T., 3,804,960.
Bentz, Alan P.; and Scarpellino, Richard, 3,804,953.
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Biscardi, Salvatore F.; and Zeitlin, Benjamin R., 3,810,995.
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Cascione, Alexander, 3,783,165.
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Fazzina, Thomas L.; Jones, Gary V.; and Scelia, Richard P., 3,840,684.
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Feldman, Jacob R.; and Berg, Jeffrey H., 3,803,330.
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Howland, Robert F.; Mansky, Michael H.; and Richards, Willie J., 3,809,781.
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Leidy, Harold T.; Kerrigan, Charles M.; and Byble, Duane C., 3,836,678.
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General Gas Light Company: *See—*
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General Home Products Corporation: *See—*
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Lipsky, Stephen E., 3,829,863.
Mears, Donald B., Jr., 3,846,725.
Miner, Carroll R., 3,788,152.
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Varadi, Andrew G.; Rubinstein, Richard B.; and Radoff, Steven, 3,798,617.
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McGrath, Ronald P.; and Bleher, William A., 3,815,108.
McGrath, Ronald P.; and Bleher, William A., 3,852,810.

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Musschoot, Albert, 3,789,977.
Musschoot, Albert, 3,796,299.
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General Lock Company: *See—*
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General Marine Inc.: *See—*
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General Metalcraft, Inc.: *See—*
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General Microwave Corporation: *See—*
Hopfer, Samuel, 3,812,438.

General Mills Chemicals, Inc.: *See—*
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Coury, Arthur J.; Rogier, Edgar R.; Schwebke, Gerald L.; and Cozad, Douglas D., 3,789,045.
Jordan, Wesley A.; and Carter, Walter H., 3,821,008.
Karl, Curtis L., 3,806,465.
Laudise, Michael A., 3,816,366.
MacKay, Kenneth D.; and Rogier, Edgar R., 3,799,965.
Minkema, William H.; and Whyzmuzis, Paul D., 3,841,833.
Nordgren, Robert; and Karl, Curtis L., 3,840,520.
Shelso, Gerald J.; and Seaman, Barnabas, 3,808,195.
Skagerberg, William E., 3,794,115.
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Convertine, Frank J.; and Ganance, Charles G., 3,789,540.
Grube, John R., 3,856,594.
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General Mills, Inc.: *See—*
Beali, Nelson J., 3,852,485.
Bomstein, Ralph A., 3,833,744.
Dannert, Robert D.; and Manwaring, Michael E., 3,794,731.
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Auman, John T.; and Hodgson, Robert L., 3,853,334.
Ayres, John A.; Peterson, Philip R.; and Ziegler, John R., 3,792,874.
Bailey, Keith A.; and Marlow, Jerry R., 3,789,963.
Ball, Frank W.; and Howard, Harold L., 3,792,761.
Ball, Frank W.; and Howard, Harold L., 3,792,762.
Ballantyne, David B., 3,824,675.
Ballou, Richard P., 3,790,199.
Barnhart, Bruce R.; and Hill, David C., 3,783,846.
Barr, Paul N.; and Jagodzinski, Tim G., 3,786,789.
Bauer, Richard J., 3,836,005.
Bavitt, Willis A., Sr., 3,801,845.
Baynes, Gene P., 3,829,259.
Beam, Paul E., Jr.; Hunt, Albert L., Jr.; and Spears, Esten W., Jr., 3,814,313.
Beck, Roger W.; and Yoder, Douglas J., 3,813,311.
Benasutti, Louis D.; and Chernek, Joseph D., 3,788,094.
Benasutti, Louis D.; and Sucro, Jost S., 3,789,620.
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Bennett, Ronald W., 3,808,817.
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Bernard, James A.; and Brucken, Byron L., 3,835,719.
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Bilobran, John, 3,799,706.
Bird, Melvyn R., 3,838,898.
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Bolton, Robert A., 3,799,131.
Bonfiglio, Charles P., 3,790,830.
Borman, August H., 3,789,865.
Bourbeau, Frank J., 3,852,656.
Bowers, George L., 3,808,906.
Bowler, Lauren L., 3,788,422.
Bowler, Lauren L.; and Johnston, Laird E., 3,817,585.
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Brailowsky, Vladimir; and Alson, Erwin A., 3,855,374.
Brandon, Harold J.; and Spicer, Wilson C., 3,826,083.
Brandstetter, Walter R., 3,783,845.
Bratke, Dieter N.; and Brandel, Klaus, 3,803,938.
Brewer, Robert W., 3,788,071.
Brezinski, Richard R.; and Durkee, Lyle H., 3,795,038.
Briar, John R.; and Grabek, Frederick M., 3,831,723.
Brinkerhoff, Donald E., 3,784,748.
Brock, Eugene W.; and Schelling, Dale E., 3,840,777.
Brockman, Henry J.; and Gloomis, Lawrence A., 3,794,346.
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Brucken, Byron L., 3,782,360.
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Brumm, Karl; and Thaler, Konrad, 3,817,220.
Bubniak, William C.; Huellmantel, Louis W.; and Mitchell, Harry R., 3,817,099.
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Cornell, Thomas V.; Smith, Wayne A.; and Wilkinson, Lester, 3,825,697.
Corrigan, Leo A.; and Spears, Esten W., Jr., 3,841,789.
Cracraft, Larry F.; Oppmann, Richard C.; and Whitaker, Edward G., 3,836,853.
Cracraft, Larry F.; Houser, David E.; and Whitaker, Edward G., 3,836,955.
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Crawford, Wilbur B.; Young, Earl W.; and Happy, Raymond, 3,827,191.
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Davis, James L.; Lopke, Edward L.; and Pechous, Leslie J., 3,821,562.
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De Vincent, Patsy; and Kirkham, Bruce E., 3,853,148.
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Degioia, Peter A.; and Sutton, Charles B., 3,788,714.
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Demers, Theodore E.; and Koivunen, Erkki A., 3,810,682.
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Emmerson, Calvin W.; Meginnis, George B.; and Steinbarger, Jay O., 3,810,711.
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Philibert, Robert A.; Polimine, Robert; and Parkins, Eversly V., 3,783,178.

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Samuelian, Maurice P., Sr.; and Rideout, Gerald E., 3,814,360.
Sibley, Henry C.; Auer, John H., Jr.; and Smith, Willis R., 3,825,744.
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Smallbone, Christopher R.; and Beaudoin, Laurent W., 3,833,845.
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Teague, Roger W.; and Snyder, Richard Paul Largo, 3,836,463.
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General Staple Company, Inc.: *See—*
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General Stationery Supplies (Proprietary) Limited: *See—*
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General Steel Industries, Inc.: *See—*
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General Systems, Inc.: *See—*
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General Technologies Corporation: *See—*
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Milewski, John V.; and Shyne, James I., 3,808,087.
Shyne, James J.; and Milewski, John V., 3,788,935.

General Telephone & Electronics Laboratories, Incorporated: *See—*
Carlsen, W. John, 3,813,139.
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General Telephone Company of California: *See—*
Hall, George A., 3,806,803.
Marvin, Howard Arthur, 3,851,121.
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General Time Corporation: *See—*
Ingenito, Michael J., 3,803,433.
Lundin, Robert S., 3,816,779.

General Tire & Rubber Company, The: *See—*
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Britton, James E.; Welch, John A.; and Hein, Richard D., 3,814,412.
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Cobbledick, David S., 3,801,687.
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General Zipper Corporation: *See—*
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Genese, Joseph N.; Rapoza, Edward J.; Galanaugh, Charles F.; Kennard, Harry M.; Chevalez, Roger A.; and Smith, John A., to Becton, Dickinson and Company. Coombs serum cartridge with indexing means. 3,785,533, 1-15-74, Cl. 222-327.000.

Genesi, Robert C.: *See—*
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Genest, Adrien P.; and Asselin, Jean C. Automotive vehicle parking system. 3,802,579, 4-9-74, Cl. 214-16.1ec.

Genetic Laboratories, Inc.: *See—*
Beisang, Arthur A.; and Ersek, Robert A., 3,793,103.
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Genever-Watling, David C.; and Kast, Howard B., to General Electric Company. Temperature regulating control valve. 3,856,201, 12-24-74, Cl. 236-93.000.

Geng, Peter; Gueniat, Robert; Zollinger, Alfred; Luscher, Walter; Schawalder, Hansjorg; and Tschanen, Hanspeter, to Gericke & Co. Apparatus for filling a receptacle with compacted pulverulent material. 3,788,368, 1-29-74, Cl. 141-67.000.

Gengard, Sven-Erik Olof; and Johansson, Yngve Lennart, to SDF Industrial Trading and Development Company B.V. Spiral groove bearings. 3,836,214, 9-17-74, Cl. 308-159.000.

Genio Tools, Inc.: *See—*
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Genisco Technology Corporation: *See—*
Godinez, Peter A.; and Shepard, Robert R., 3,842,316.

Genkin, Lev Isaakovich: *See—*
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Genma, Susumu, to Victor Company of Japan, Ltd. Phonograph record disc. 3,787,274, 1-22-74, Cl. 161-116.000.

Genma, Susumu, to Victor Company of Japan, Ltd. Phonograph record disc. 3,787,275, 1-22-74, Cl. 161-116.000.

Genmat, Francois: *See—*
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Shoemaker, Edwin J.; Gensler, Edwin G.; and White, David B., 3,848,924.

Genson, Samuel Richard, to Johns-Manville Corporation. Apparatus for chopping strand. 3,815,461, 6-11-74, Cl. 83-347.000.

Genson, Samuel Richard, to Johns-Manville Corporation. Apparatus for winding strand material. 3,819,122, 6-25-74, Cl. 242-18.00r.

Genstape, Inc.: *See—*
Garfinkel, Jack, 3,783,490.

Gent, Monica Hilary; and Sanderson, Brian George, to Ilford Limited. Process for the production of a photographic print. 3,839,046, 10-1-74, Cl. 96-66.500.

Genta, Guido, to American Aniline Products, Inc. 1,4-Diamino-2-alkylihiophenoxy-3-haloanthraquinone polyester dyes. 3,786,074, 1-15-74, Cl. 260-380.000.

Genta, Guido, to American Aniline Products, Inc. Indigoid dyestuffs and colored synthetic materials therefrom. 3,793,341, 2-19-74, Cl. 260-323.000.

Genta, Guido, to American Aniline Products, Inc. 1,4-Diamino-2-alkylthiophenoxy-3-haloanthraquinone polyester dyes. 3,847,541, 11-12-74, Cl. 8-39.000.

Genta, Guido R., to American Aniline Products, Inc. Yellow pigment compositions. 3,786,017, 1-15-74, Cl. 260-38.000.

Genta, Guido R., to American Aniline Products, Inc. Aromatic polyester textile fibers dyed with naphthyloxyanthraquinone dyes. 3,787,177, 1-22-74, Cl. 8-39.000.

Genta, Guido R., to American Aniline Products, Inc. Polyester and plastic dyes. 3,840,567, 10-8-74, Cl. 260-373.000.

Genta, Guido Roger. Naphthyloxyalkoxyanthraquinone dyes. 3,798,239, 3-19-74, Cl. 260-380.000.

Gentex Corporation: *See—*
Aileo, Jackson Anthony, 3,784,984.
Aileo, Jackson Anthony, 3,786,519.
Luisada, August G.; and Frieder, Leonard P., Sr., 3,853,238.

Gentil, Albert F. Disinfecting apparatus. 3,796,541, 3-12-74, Cl. 21-110.000.

Gentile, Charles J., to Orange Products, Inc. Game ball component and game ball made therefrom. 3,823,940, 7-16-74, Cl. 273-59.00r.

Gentile, Fred J.; and Chang, Jack Chu-Wang, to Docutel Corporation. Automatic banking system. 3,833,885, 9-3-74, Cl. 340-152.00r.

Gentile, Michael A.: *See—*
Szebenyi, Andrew L.; and Gentile, Michael A., 3,806,577.

Gentili, Bruno: *See—*
Horowitz, Robert M.; and Gentili, Bruno, 3,826,856.

Gentilini, Augusto. Bicycle toy wich can be either manually operated or remote controlled by means of a wire control or by radio control. 3,826,038, 7-30-74, Cl. 46-96.000.

Gentilini, Augusto. Illumination device with glittering effect for advertizing and decorative purposes. 3,831,302, 8-27-74, Cl. 40-106.520.

Gentils, Marcel, to Essilor International. Draftsman compasses. 3,842,508, 10-22-74, Cl. 33-157.000.

Gentiluomo, Joseph A. Golf game. 3,784,207, 1-8-74, Cl. 273-176.00a.

Gentry, Bernard G., to Midland-Ross Corporation. Liquid separator with common bulkhead wall support for end-to-end coalescing units. 3,853,766, 12-10-74, Cl. 210-236.000.

Gentry, Bobby C.: *See*—
McAmis, Kenneth Wayne; Brewton, Lee K.; and Gentry, Bobby C., 3,852,875.

Gentry, George W.; and Jepson, Robert M. Decoy anchor storage. 3,834,054, 9-10-74, Cl. 43-3.000.

Gentscheff, Stojan. Device for slitting the sidewall of a wrapping of a roll of coins. 3,781,987, 1-1-74, Cl. 30-2.000.

Genua, Robert L. Combination bolster pillow and ring toss apparatus. 3,802,704, 4-9-74, Cl. 273-100.000.

Genuist, Jean; and Le Parquier, Guy, to Thomson-CSF. Side looking pulse radar system. 3,848,253, 11-12-74, Cl. 343-5.0cm.

Genuit, Luther L.; and Nowell, John R., to Honeywell Information Systems, Inc. Adjustable over-current detector. 3,843,907, 10-22-74, Cl. 317-27.00r.

Genuit, Luther L.; and Nowell, John R., to Honeywell Information Systems Inc. Series-parallel dual switching regulator for use with a variety of line voltages. 3,846,695, 11-5-74, Cl. 321-27.00r.

Genuit, Luther L., to Honeywell Information Systems Inc. Switching regulator using gate-turn-off SCR. 3,855,518, 12-17-74, Cl. 321-2.000.

Genzel, Edward A.: *See*—
Bernhardt, Brian M.; and Genzel, Edward A., 3,831,982.

Genzer, Jerome D.; and Conrad, George A., to Warner-Lambert Company. Process for preparing 5-hydroxy-1-tetralone. 3,829,498, 8-13-74, Cl. 260-590.000.

Geochemical Services (Holdings) Limited: *See*—
Reid, Neil George; and Stanley, Raymond Eric, 3,829,992.

Geodata International, Inc.: *See*—
Foote, Robert S., 3,797,802.

Geogory, Eric; Kies, Frederick K.; and Franson, Ivan A., to Airco, Inc. Ferritic stainless steel alloy. 3,807,991, 4-30-74, Cl. 75-126.00f.

Geomet, Incorporated: *See*—
Moyer, Rudolph H.; and Sibbett, Donald J., 3,783,105.
Moyer, Rudolph H.; and Sibbett, Donald J., 3,791,933.
Moyer, Rudolph H.; Sibbett, Donald J.; and Binnings, Gerald F., 3,806,422.

Geometric Data Corporation: *See*—
Miller, Melvin N.; Levine, Marshall S.; and Partin, Melvin E., 3,827,804.
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Geometrics, Inc.: *See*—
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Geominy, Louis Joseph Henri; Gommans, Hubertus Johannes Josephus; Mans, Leonardus Frans Helene; and Ruytenbeek, Silvester Marie, to U.S. Philips Corporation. Hair curler heating device with electric resistance cable. 3,784,784, 1-8-74, Cl. 219-222.000.

Geonnotti, Anthony R. Holding and locating fixture for carbide throw-away inserts. 3,818,647, 6-25-74, Cl. 51-218.00r.

Geophysical Research Corporation: *See*—
Kolb, James H.; and Field, Harold S., 3,808,601.

Geophysical Survey Systems, Inc.: *See*—
Morey, Rexford M., 3,806,795.

Georg, Karl: *See*—
Seng, Florin; Ley, Kurt; and Georg, Karl, 3,819,616.

Georg, Werner, to Gewerkschaft Eisenhutte Westfalia. Mining installation. 3,790,210, 2-5-74, Cl. 299-43.000.

George, Carroll H., to Western Electric Company, Incorporated. Apparatus for feeding and coating masses of workpieces in a controlled atmosphere. 3,856,654, 12-24-74, Cl. 204-298.000.

George, Charles R., to Halliburton Company. Well cementing method using high temperature cementing compostions. 3,821,985, 7-2-74, Cl. 166-293.000.

George, Darell L., to Henry, J. W. Party keg beer dispenser apparatus. 3,790,032, 2-5-74, Cl. 222-146.000.

George, David A.; Mayerhoffer, Kenneth E.; and Rodzen, Richard A., to United States of America, Air Force. Personnel armor suspension system. 3,843,969, 10-29-74, Cl. 2-2.500.

George, David B.: *See*—
Beck, Russell R.; George, David B.; and Anderson, Charles W., 3,789,097.

George, David Weinschenk, to Wean United, Inc. Belt carrier device for presses. 3,837,779, 9-24-74, Cl. 425-28.00b.

George, Edwin Francis: *See*—
Davidson, Alan John; and George, Edwin Francis, 3,810,750.

George, Edwin Francis; and Davidson, Alan John, to Imperial Chemical Industries Limited. Plant growth regulating compositions comprising 2-(S,S-dihydrocarbyl) sulphonium ethane phosphonic acid compounds as active component. 3,834,888, 9-10-74, Cl. 71-87.00.

George, Gene H.: *See*—
Stuemky, Robert E.; and George, Gene H., 3,855,817.

George, Henry A.: *See*—
Russell, Douglas D.; and George, Henry A., 3,800,288.

George, Ian Charles; and Luland, Norman William, to International Business Machines Corporation. Air turbulence utilized to clear disc. 3,839,734, 10-1-74, Cl. 360-102.000.

George, James F.: *See*—
Rabenhorst, David W.; Brandt, Alan; Darnell, Kenneth E.; and George, James F., 3,788,162.

George, James H. B.; Dennard, Albert E.; and Kreidl, Ekkehard L. Construction and operation of rechargeable battery systems for chemically generating an electrical current. 3,840,403, 10-8-74, Cl. 136-6.0gc.

George, James Henry: *See*—
Horlenko, Theodore; and George, James Henry, 3,850,995.

George, John Barrett, to RCA Corporation. Television automatic gain control circuitry providing for compatible control of VHF tuner and UHF tuner. 3,823,379, 7-9-74, Cl. 325-405.000.

George, John S. Pipe cutter. 3,820,424, 6-28-74, Cl. 82-101.000.

George, Kenyon P.: *See*—
Anderson, David W.; Lumry, Rufus W.; and George, Kenyon P., 3,802,786.

George Lithograph Company: *See*—
Schlegel, P. L., Jr., 3,813,159.

George, Louis J.; and Sahatjian, Ronald A., to Polaroid Corporation. Spacer layer for dye diffusion transfer film. 3,856,522, 12-24-74, Cl. 96-3.000.

George, Lyle R. Trailer hitch. 3,788,673, 1-29-74, Cl. 280-423.00r.

George, Michael A.: *See*—
Kemp, Fred S.; and George, Michael A., 3,857,737.
Maricle, Donald L.; and George, Michael A., 3,806,368.

George, Michel: *See*—
Stevens, Jacques; and George, Michel, 3,787,384.

George, Nicholas, to California Institute of Technology. Laser receiver system. 3,788,743, 1-29-74, Cl. 356-28.000.

George, Nicholas. Image quality rating system. 3,788,749, 1-29-74, Cl. 356-239.000.

George, Percy F., to Dow Chemical Company, The. Metal structures which are self-destructible by chemical corrosion. 3,855,050, 12-17-74, Cl. 161-165.000.

George, Richard Alexander, to Pye Limited. Nebuliser assemblies for flame spectrometry. 3,806,250, 4-23-74, Cl. 356-87.000.

George, Richard Alexander, to Pye Limited. Burners for chemical analysis. 3,810,583, 5-14-74, Cl. 239-597.000.

George, Robert D.; Banner, Alvin D.; and Morrison, George W., to Mechaneer, Inc. Apparatus and method for winding armatures. 3,857,172, 12-31-74, Cl. 29-597.000.

George, Samuel H. Adjustable backrest for a seat for cycles. 3,822,917, 7-9-74, Cl. 297-195.000.

George, Terence Malcolm: *See*—
Brown, Christopher Robert; George, Terence Malcolm; and Norton, David John, 3,809,930.

George, William, Jr.: *See*—
Elfarr, Johnnie A., 3,797,968.

George, William Lloyd; Hays, Robert Guy; and Rhee, Chonokook John, to Motorola Inc. Vertical channel junction field-effect transistors and method of manufacture. 3,855,608, 12-17-74, Cl. 357-22.000.

Georgel, Jean: *See*—
Billottet, Henri; Fechner, Patrice; Denoux, Robert; and Georgel, Jean, 3,855,899.

Georgen, Robert T.; and Dolgen, Igor E., to Character Novelty Company, Inc. Method for manufacturing toy figures. 3,840,974, 10-15-74, Cl. 29-434.000.

Georges, Andre Henri Eugene: *See*—
Delarge, Jacques E.; Thunus, Leopold Nicolas Joseph Victor; Lapiere, Charles-Leon Albert; and Georges, Andre Henri Eugene, 3,819,639.

Georges, Claude, to Societe Industrielle du Metal Usine. Driving device for a tubular axle. 3,824,874, 7-23-74, Cl. 74-626.000.

Georges Lagain: *See*—
Ravel, Leon, 3,810,420.

Georges, Michael P. Component sorting and segregating system. 3,810,540, 5-14-74, Cl. 209-73.000.

Georges, Nicholas J.; and Pennell, William E., to Westinghouse Electric Corporation. Nuclear reactor fuel assembly. 3,844,887, 10-29-74, Cl. 176-78.000.

Georget, Philippe, to Compagnie des Compteurs. Remote data reading and transmission technique. 3,806,875, 4-23-74, Cl. 340-151.00r.

Georgi, Heinz W., to Ivac Corporation. Method and apparatus for fluid flow control. 3,800,794, 4-2-74, Cl. 128-214.00e.

Georgia Kaolin Company: *See*—

Conley, Robert F.; Catherwood, Billy Reid; and Lloyd, Mary Kate, 3,854,971.

Georgia Tech Research Institute: *See*—
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Bowen, Mark D., 3,802,164.
Carstens, Marion R.; and Bates, Homer J., 3,797,405.
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Georgia-Pacific Corporation: *See*—
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Jespersen, Paul W., 3,851,810.
Ludwig, Charles H., 3,795,665.
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Rahmes, Donald Wilber, 3,794,537.
Tretter, Vincent J., Jr.; Stefensen, Leslie M.; and Rydell, Robert A., 3,853,505.

Georgianna, Rodney A. Settable lugs for climbing racks. 3,833,090, 9-3-74, Cl. 182-92.000.

Georgieff, Stephen K., to UMC Industries, Inc. Follower positioning and indexing cam for roller gear drive and method of use. 3,817,116, 6-18-74, Cl. 74-426.000.

Georgievich, Mikhail: *See*—
Yakovlevich, Otari; Nikolaevich, Robert; Isidorovich, Ivan; and Georgievich, Mikhail, 3,825,718.

Georgii, Borghild: *See*—
Georgii, Hans Christer, 3,798,864.

Georgii, Hans Christer, to Georgii, Borghild. Supporting structures and methods of making them. 3,798,864, 3-26-74, Cl. 52-653.000.

Georgiou, Jean: *See*—
Koulicovitch, Maurice; and Georgiou, Jean, 3,819,274.

Georgopoulos, Christos J.; and Ross, Charles R., to Raytheon Company. Digital data transmission system. 3,849,672, 11-19-74, Cl. 307-235.000.

Georgopulos, Thomas, to GTE Automatic Electric Laboratories, Incorporated. Electrical protectors and methods of assembling the same. 3,825,867, 7-23-74, Cl. 337-32.000.

Georgopulos, Thomas; and McCormick, Maurice D., to GTE Automatic Electric Laboratories Incorporated. Case for electrical components. 3,838,213, 9-24-74, Cl. 178-46.000.

Georgopulos, Thomas, to GTE Automatic Electric Laboratories, Incorporated. Loading coil packaging arrangement. 3,845,435, 10-29-74, Cl. 336-65.000.

Georgoudis, Paul C.: *See*—
Ray-Chaudhuri, Dilip K.; Georgoudis, Paul C.; and Stockmann, Hans H., 3,793,293.
Ray-Chaudhuri, Dilip K.; Georgoudis, Paul C.; and Stockmann, Hans H., 3,845,022.

Geoscience Ltd.: *See*—
Poppendiek, Heinz F.; and Sabin, Cullen M., 3,802,264.

Geosic, Joseph Edward: *See*—
Chen, Yu-Ssu; Geosic, Joseph Edward; and Nelson, Terence John, 3,797,001.

Geotel, Inc.: *See*—
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Geothermal Investment Co.: *See*—
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Geppelt, Elmo W. Finned tube heat exchange conductor 3,856,079, 12-24-74, Cl. 165-184.000.

Gerace, Paul L.: *See*—
Taylor, Thomas W.; Ciuffini, Anthony J.; and Gerace, Paul L., 3,856,548.

Gerace, Robert Eugene: *See*—
Abowitz, Gerald; Ruckdeschel, Frederick Robert; and Gerace, Robert Eugene, 3,849,628.

Geraci, James Leonard, to Xomox Corporation. Lens housing and lens cover for objective lens ring of an operating microscope. 3,796,477, 3-12-74, Cl. 350-65.000.

Geraci, Vincent M. Parking stall barrier. 3,849,936, 11-26-74, Cl. 49-35.000.

Gerald A. Cousino: *See*—
Clemente, Joseph J., 3,802,009.

Gerard, Andre P. Aircraft. 3,795,373, 3-5-74, Cl. 244-48.000.

Gerard, Bernard: *See*—
Balme, Maurice; Gattus, Jean; and Gerard, Bernard, 3,839,493.
Balme, Maurice; Gattus, Jean; and Gerard, Bernard, 3,840,495.

Gerard, Collot, to Electronique Marcel Dassault. Airborne telemetering radar. 3,805,267, 4-16-74, Cl. 343-7.300.

Gerard, Henry M., to Hughes Aircraft Company. Composite acoustic surface wave devices with bridge-like coupling film. 3,840,825, 10-8-74, Cl. 333-30.00r.

Gerard, Milan E., to Rohr Industries, Inc. Method of installing attachment fittings in cellular material. 3,842,486, 10-22-74, Cl. 29-481.000.

Gerard, Stierlein, to Societe Alsacienne de Constructions Mecaniques de Mulhouse. Device for applying a layer of adhesive on an endless belt in a screen printing machine. 3,809,009, 5-7-74, Cl. 118-44.000.

Gerard, William L.; and Ruck, John D., to Sherwood Medical Industries Inc. Syringe package. 3,783,996, 1-8-74, Cl. 206-17.500.

Gerardus Bom, Cornelis Johannes: *See*—
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Gerat, Jean, to Societe Nouvelle de Roulements. Method of manufacturing bearing races by rolling. 3,857,147, 12-31-74, Cl. 29-148.40r.

Geratsdorfer, Edmund, to U.S. Philips Corporation. X-ray apparatus for displaying in slow motion tissues which move with the rhythm of the heart. 3,825,761, 7-23-74, Cl. 250-402.000.

Geraudie, Pierre, to Etablissements Doyer S.A. Safety-valve with an instantaneous release. 3,802,459, 4-9-74, Cl. 137-384.600.

Gerbasi, Dennis P.: *See*—
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Gerbasi, Dennis P., to Xerox Corporation. Sorting apparatus for collating simplex and duplex copies. 3,851,872, 12-3-74, Cl. 271-173.000.

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Gerber, Arthur H., to Horizons Incorporated. Process for the preparation of heterocyclic polymers from aromatic tetramines and derivatives of polycarboxylic acids. 3,783,137, 1-1-74, Cl. 260-47.0cp.

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Gerber, Arthur M.; and Walworth, Vivian K., to Polaroid Corporation. Photographic products and processes comprising synthetic nuclear isotopes. 3,852,072, 12-3-74, Cl. 96-94.00r.

Gerber Farment Technology, Inc.: *See*—
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Gerber Garment Technology, Inc.: *See*—
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Gerber, Hermann, to SAIA AG. Fabrik elektrischer Apparate. Adjustable rotation-controlling device for synchronous motor 3,842,296, 10-15-74, Cl. 310-41.000.

Gerber, Joseph H.: *See*—
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Gerbetz, William. Chromatic harmonica rack. 3,818,792, 6-25-74, Cl. 84-379.000.
Gerbrandt, George. Foldable trap. 3,786,593, 1-22-74, Cl. 43-100.000.
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Gerding, Charles Christian, to Jones & Laughlin Steel Corporation. Method and apparatus for minimizing surface defects in ITR cast strip. 3,811,491, 5-21-74, Cl. 164-87.000.
Gerding, Charles Christian; and Todora, Louis John, to Jones & Laughlin Steel Corporation. Method of dispensing low velocity liquid material for strip casting. 3,831,659, 8-27-74, Cl. 164-82.000.
Gerding, Charles Christian, to Jones & Laughlin Steel Corporation. Strip casting apparatus. 3,845,810, 11-5-74, Cl. 164-276.000.
Gerds, Hermann: *See—*
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Geres, Robert J., to United States of America, Navy. Calcium hydride gas generator. 3,787,186, 1-22-74, Cl. 23-282.000.
Geres, Robert J., to United States of America, Navy. Portable underwater fuel feed system. 3,792,580, 2-19-74, Cl. 60-643.000.
Geres, Robert J., to United States of America, Navy. Portable swimmer propulsion unit. 3,831,546, 8-27-74, Cl. 115-6.100.
Geres, Robert J., to United States of America, Navy. Rotary valve jet flap control system. 3,854,678, 12-17-74, Cl. 244-3.160.
Geretschlager, Maximillian, to Mobil Oil Corporation. Lubricant compositions. 3,840,462, 10-8-74, Cl. 252-34.700.
Gergely, Alex S., to Morris, Philip, Incorporated. Jam prevention unit for extrusion process apparatus. 3,813,200, 5-28-74, Cl. 425-140.000.
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Gerhard, Helmut, to Westerwalder Eisenwerk, Dr. Paul Gerhard KG. Transcontainer for flowable material. 3,799,383, 3-26-74, Cl. 220-1.500.
Gerhard, Helmut, to Westerwalder Eisenwerk Gerhard KG. Freight containers for flowable goods. 3,814,290, 6-4-74, Cl. 222-143.000.
Gerhard, Scharfe: *See—*
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Gerhauser, Merton F.; and Young, Emil O.; deceased (by Young, Gladys R.; Executrix), to Young Regulator Company. Temperature control device. 3,814,312, 6-4-74, Cl. 236-49.000.
Gerhold, Clarence G., to Universal Oil Products Company. Water vapor removal from vent gas systems. 3,854,300, 12-17-74, Cl. 62-88.000.
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Gerk, Richard G., to FORMOLD, a division of VCA Corporation. Plastic dispensing nozzle with reclosable closure cap. 3,837,535, 9-24-74, Cl. 222-143.000.
Gerke, Burton Elwood, Jr.; and Rohr, Lewis Hampton, to Black and Decker Manufacturing Company, The. Detachable cord set for electric device. 3,843,224, 10-22-74, Cl. 339-58.000.
Gerkema, Jan T., to U.S. Philips Corporation. Method of manufacturing a self-adjusting supporting member having a magnetic head. 3,808,106, 4-30-74, Cl. 204-9.000.
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Gerlach, Doris M. Vehicle table. 3,799,071, 3-26-74, Cl. 108-46.000.
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Gerlach, Hans Georg, to U.S. Philips Corporation. Television camera tube. 3,801,855, 4-2-74, Cl. 315-14.000.
Gerlach, Hans Georg, to U.S. Philips Corporation. Cathode-ray tube. 3,845,346, 10-29-74, Cl. 313-424.000.
Gerlach, John R., to Emhart Corporation. Pick-resistant lock construction including jamming feature. 3,802,234, 4-9-74, Cl. 70-421.000.
Gerlach, John R., to Emhart Corporation. Fastener and fastener receiving device construction incorporating anti-backout resistance. 3,802,475, 4-9-74, Cl. 151-39.000.
Gerlach, John R., to Emhart Corporation. Lock device including stud locking U-shaped keeper. 3,830,085, 8-20-74, Cl. 70-35.000.
Gerlach, John R., to Emhart Corporation. Trailer coupling pin lock collar. 3,832,872, 9-3-74, Cl. 70-232.000.
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Gerlach, Otto; Meusel, Bernd; Heinz, Hans; Greiner-Bar, Gerhard; Resch, Richard; and Schindhelm Gunter, to VEB Trisola Sternach. Jet plate for fibers and the like particularly of glass. 3,802,857, 4-9-74, Cl. 65-1.000.
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Gerloff, Gunter; Mertl, Klaus; and Volker, Ulrich, to Jurid Werke GmbH. Friction material of the sintered bronze type. 3,833,344, 9-3-74, Cl. 29-182.500.
Gerlovich, Albert, to Rheem Manufacturing Company. Shroud for spraying apparatus. 3,842,798, 10-22-74, Cl. 118-326.000.
Gerlovich, Albert F., to Rheem Manufacturing Company. Conveyor with magnetic article holding means. 3,844,401, 10-29-74, Cl. 198-41.000.
Germain, Andrew Gerald; Dressel, William George; and Sandor, Louis, to AMSTED Industries Incorporated. Automatic mold cleaning. 3,854,899, 12-17-74, Cl. 51-319.000.
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German, Dale F.; and Clark, Allen L., to Aro Corporation, The. Hose coupler. 3,788,598, 1-29-74, Cl. 251-149.600.
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Germany, Michael John, to Lucas Electrical Company Limited, The. Lamp assemblies. 3,823,314, 7-9-74, Cl. 240-41.600.
Germer, Horst. Apparatus for thermally recording character patterns. 3,838,431, 9-24-74, Cl. 346-76.00r.
Germer, Horst, to Tirumph Werke Nuernberg, A.G. Method and device for producing prints and the like. 3,854,808, 12-17-74, Cl. 354-5.000.
Germer, John A. Coupling apparatus for containers. 3,781,947, 1-1-74, Cl. 24-81.00e.
Germer, John H.: *See—*
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Germond, Jean-Claude; Glachet, Charles; and Guilbaud, Jean-Pierre, to Commissariat a l'Energie Atomique. Manipulator with drive motors. 3,790,002, 2-5-74, Cl. 214-1.0cm.
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Gerner, Heinz; and Merkel, Rudolf, to Werkzeugmaschinenfabrik Adolf Waldrich Coburg. Control for a lifting mechanism for a hydraulic copy device on machine tools. 3,846,941, 11-12-74, Cl. 51-165.890.
Gerner, James; and Suhr, Peter J., to Magnetic Analysis Corporation. Apparatus for limiting phase-angle response range, particularly in eddy current testing apparatus. 3,848,182, 11-12-74, Cl. 324-40.000.
Gerod, John T. Steam control method and apparatus for fabric pressing machine. 3,797,142, 3-19-74, Cl. 38-15.000.
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Gerrans, William A., to Fusco, Carl J. Drying apparatus. 3,809,530, 5-7-74, Cl. 432-152.000.
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Gerry, Martin E. Mechanical combination digital lock. 3,821,885, 7-2-74, Cl. 70-298.000.
Gerry, Martin E. Programming timer with series connected switches. 3,828,200, 8-6-74, Cl. 307-141.800.
Gerry, Martin E. Distortionless magnetic logic elements. 3,832,566, 8-27-74, Cl. 307-88.01c.
Gerry, Martin E. Ignition indicator. 3,839,671, 10-1-74, Cl. 324-17.000.
Gerry, Martin E. Low inertia impact print head. 3,842,960, 10-22-74, Cl. 197-53.000.
Gerry, Martin E. Mechanical scanner. 3,846,839, 11-5-74, Cl. 360-108.000.
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Gersch, William R.: *See—*
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Gersch, William R. Animated display apparatus. 3,808,721, 5-7-74, Cl. 40-106.520.
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Gershman, Russell John: *See—*
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Gersing, Eberhard, to Braun Aktiengesellschaft. Start device for battery igniter. 3,818,277, 6-18-74, Cl. 317-79.000.

Gersing, Eberhard, to Braun Aktiengesellschaft. Battery igniter. 3,824,432, 7-16-74, Cl. 317-79.000.

Gersmann, Hans R.; and van Bruggen, Geert, to Shell Oil Company. Oil compositions. 3,853,777, 12-10-74, Cl. 252-46.700.

Gerson, Lawrence Gordon. Eyeglasses with selectively tiltable frames. 3,846,018, 11-5-74, Cl. 351-120.000.

Gerson, Louis M., Co., Inc.: *See*—
Gerson, Ronald L.; and Caprio, Lawrence A., 3,855,700.

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Gerson, Samuel L. Sectioning device for rounded food article. 3,830,151, 8-20-74, Cl. 99-537.000.

Gerstein, David E. Dispenser for individually dispensing the endmost sheet of a continuous web of connected sheets. 3,795,355, 3-5-74, Cl. 225-106.000.

Gerstein, David E. Package construction and method for forming a strip of individual impregnated tissues into containers. 3,805,474, 4-23-74, Cl. 53-21.0fc.

Gerstein, David E. Method and apparatus for forming lightweight web material into a coreless roll. 3,853,279, 12-10-74, Cl. 242-56.200.

Gerstenberger, Roland W.; and Heater, Charles P., to Jensen Machinery Inc. Small piece folder. 3,829,081, 8-13-74, Cl. 270-66.000.

Gerster, John F., to Minnesota Mining and Manufacturing Company. N-cyanohaloalkanesulfonanilides. 3,793,372, 2-19-74, Cl. 260-556.00f.

Gerstien, David E. Device for forming lightweight paper into rolls without any core. 3,823,887, 7-16-74, Cl. 242-56.200.

Gerstle, DeWitt F., to General Motors Corporation. Method for forming finished bore sized in laminated stator cores of dynamoelectric machines. 3,834,013, 9-10-74, Cl. 29-596.000.

Gerstmann, Joseph, to Steam Engine Systems Corporation. Heat exchanger and fluid heater. 3,809,061, 5-7-74, Cl. 126-350.00r.

Gertisser, Berthold, to Sandoz Ltd. Process for dyeing polyacrylonitrile textiles with anthraquinone dyestuffs. 3,792,969, 2-19-74, Cl. 8-39.000.

Gertsch AG: *See*—
Erlebach, Richard, 3,834,723.
Gertsch, Ernst; and Gertsch, Ulrich, 3,793,749.
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Kubelka, Axel, 3,838,867.
Smolka, Thomas Gordon; and Hrachowitz, Franz, 3,788,660.

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Droz, Francois, 3,801,118.
Feichtinger, Johann; and Feichtinger, Anton, 3,791,675.
Mottet, Willy, 3,822,071.
Schweizer, Gottfried; and Smolka, Thomas Gordon, 3,819,200.
Smolka, Thomas Gordon; and Schweizer, Gottfried, 3,794,338.
Smolka, Thomas Gordon, 3,794,339.
Smolka, Thomas Gordon; and Schweizer, Gottfried, 3,797,839.
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Smolka, Thomas Gordon; and Schweizer, Gottfried, 3,819,199.
Smolka, Thomas Gordon, 3,826,509.
Turnheim, Georg; and Smolka, Thomas Gordon, 3,802,715.

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Gertsch, Ernst; and Gertsch, Ulrich, to Gertsch AG. Ski boot. 3,812,602, 5-28-74, Cl. 36-2.5al.

Gertsch, Ernst; and Gertsch, Ulrich, to Gertsch AG. Releasable ski binding partially mounted in a ski boot sole. 3,854,740, 12-17-74, Cl. 280-1.350.

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Gerum Erich, to Diehl. Crystal oscillator, especially for clocks and watches. 3,824,495, 7-16-74, Cl. 331-116.00r.

Gervais, Edouard; Chollet, Pierre; and Ranger, Robert, to Noranda Mines Limited. Superplastic conditioning of ternary and quaternary zinc-aluminum alloys. 3,793,091, 2-19-74, Cl. 148-11.50r.

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Gervasi, Jay A.; and Upadhyaya, Janardan D., to Alrac Corporation. Purification of pyrrolidone with a boron compound. 3,806,427, 4-23-74, Cl. 203-50.000.

Gervay, Joseph Edmund; and Walker, Peter. Process for modifying surfaces using photopolymerizable elements comprising hydrophilic colloids and polymerizable monomers. 3,787,213, 1-22-74, Cl. 96-36.000.

Gerve, Andreas; Essig, Gunder; and Herkert, Bernhard, to Gesellschaft fur Kernforschung mbH. Method of determining the speed of rotating bodies. 3,835,326, 9-10-74, Cl. 250-393.000.

Gervis, Melvyn A.: *See*—
Giardina, Nicholas; Gervis, Melvyn A.; Wozny, Eugene Taras; and Babock, Richard D., 3,792,885.
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Gervis, Tillie. Travel bird cage. 3,834,352, 9-10-74, Cl. 119-17.000.

Gervolsky, Marlen Mikhailovich: *See*—
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Gerward, Christer: *See*—
Stolt, Jan; and Gerward, Christer, 3,824,872.

Gerwen, Petrus J. V.; and Harmsen, Willem, to U.S. Philips Corporation, mesne. Device for the transmission of synchronous pulse signals. 3,793,588, 2-19-74, Cl. 325-38.00r.

Gerwick, Ben C., Jr.; Talbo, William J., Jr.; Hughes, Keith E.; and Brown, Arnold L. Modular prestressed concrete marine vessels and method of making same. 3,828,708, 8-13-74, Cl. 114-65.00a.

Gerzmava, Dusheli Vladimirovich: *See*—
Drobich, Oleg Pavlovich; Pritomanov, Alexei Evgenievich; Rokutov, Viktor Petrovich; Kirvalidze, Nikolai Spiridonovich; Gerzmava, Dusheli Vladimirovich; and Mandzjuk, Boris Valentinovich, 3,813,335.

Gerzon, Koert; Ryan, Charles W.; and De Long, Donald C., to Lilly, Eli, and Company. Method of virus suppression by hydantoins. 3,790,673, 2-5-74, Cl. 424-273.000.

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Rice, Leonard M., 3,812,113.
Rice, Leonard M., 3,825,546.

Gesek, Rudolf; Fadler, Walter; and Bohn, Georg. Method and furnace for maintaining the temperature level of metal melts. 3,819,842, 6-25-74, Cl. 13-27.000.

Geselbracht, Thomas H.; and Vinton, David S., to Caterpillar Tractor Company. Hydraulic fluid circuit for vehicle having articulated sections. 3,825,091, 7-23-74, Cl. 180-53.00r.

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Breuer, Friedrich, 3,799,761.
Rothmann, Hans; and Keil, Werner, 3,856,641.

Gesellschaft fur Keinforschung mbH: *See*—
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Gesellschaft fur Kernforschung mbH: *See*—
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Bohm, Horst; Borgstadt, Hans Ulrich; Ruhle, Manfred; and Wincierz, Peter, 3,850,584.
Class, Gottfried; and Eggers, Berend, 3,846,234.
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Gesellschaft zur Forderung der Forschung an der Eidg. Techn. Hochschule: *See*—
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Gesierich, Wolf: *See*—
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Gesing, Horst: *See*—
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Bosch, Karl, 3,782,165.

Gess, Larry C. Apparatus for filling, labeling, and closing containers, such as syringes. 3,791,009, 2-12-74, Cl. 29-208.00b.

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Gesslein, Georg. Baby carriage. 3,799,606, 3-26-74, Cl. 296-28.00b.

Gessler, Hans, to Schwabische Huttenwerke Gesellschaft mit beschrankter Haftung. Silo discharging device. 3,833,134, 9-3-74, Cl. 214-17.00d.

Gestetner Copiers Limited: *See*—
Mihalik, Nandor, 3,791,731.
Mihalik, Nandor; Moss, Andrew Anthony; and Prince, John Charles Henry, 3,791,732.

Gestetner Limited: *See*—
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Spencer, Alexander; and Spicer, Leonard Alfred, 3,803,070.

Gestra-KSB Vertriebsgesellschaft mbH & Co. Kommanditgesellschaft: *See*—
Lingnau, Josef, 3,844,025.

Getefo Gesellschaft fur technischen Fortschritt m.b.H.: *See*—
Oeser, Konrad, 3,826,481.

Getgen, Lawrence E., to GTE Automatic Electric Laboratories, Incorporated. Time division resonant transfer hybrid circuit and method. 3,833,772, 9-3-74, Cl. 179-170.0nc.

Getgen, Lawrence E., to Armour-Moore Marine Service Limited. Combination hybrid and switching circuit and method utilizing resonant transfer. 3,836,720, 9-17-74, Cl. 179-15.0fd.

Getman, Leonid Ivanovich: *See*—
Sablev, Leonid Pavlovich; Dolotov, Jury Ivanovich; Getman, Leonid Ivanovich; Gorbunov, Valentin Nikolaevich; Goldiner, Evgeny Georgievich; Kirshfeld, Karl Teodorovich; and Usov, Vladislav Vasilievich, 3,783,231.

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Getson, John Charles: *See*—
Chadha, Rajendra Nath; Crawford, James Edwin; and Getson, John Charles, 3,794,694.

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Getty, John A., Jr., to Dover Corporation. Seat for butterfly valves. 3,790,130, 2-5-74, Cl. 251-306.000.

Getty Oil Company: *See*—
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Shen, Chin-Wen, 3,853,178.

Getz, Edward H.; and Marcade, Roque, to Whirlpool Corporation. Combined unbalance and end of cycle signal for automatic washers. 3,803,881, 4-16-74, Cl. 68-12.00r.

Getz, Edward J.; and Barbieri, Thomas, to Westinghouse Electric Corporation. Sleeve container for lamp bulbs or the like, and resulting package. 3,822,785, 7-9-74, Cl. 206-422.000.

Getz, Gary R., to McNeil Corporation. Method for loading a tire shaping and curing press employing a center mechanism. 3,790,656, 2-5-74, Cl. 264-315.000.

Getz, Gary R., to McNeil Corporation. Tire holder and handler. 3,824,048, 7-16-74, Cl. 425-28.00r.

Getz, Marvin G.; Whitehurst, Gerald E.; and Walden, Gerald M., to Caterpillar Tractor Company. Muffler with insulated internal sound dispersing and absorbing chambers. 3,851,727, 12-3-74, Cl. 181-50.000.

Geuens, Gaston-Hugo: *See*—
Zwart, Jacob; Wielockx, Hugo-Guido; and Geuens, Gaston-Hugo, 3,842,567.

Geula, John H. Plastic-lens cutter. 3,828,648, 8-13-74, Cl. 90-13.300.

Geurts, Cletus J., to Geurts Inc. Semi-mounted plow. 3,783,950, 1-8-74, Cl. 172-285.000.

Geurts, Cletus J. Clamp and positioning structure. 3,787,133, 1-22-74, Cl. 403-384.000.

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Geurts, Melle F.: *See*—
McArthur, Ralph F.; Geurts, Melle F.; and Kelleher, John M., 3,825,285.
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Geurtsen B.V.: *See*—
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Geurtsen, Friedrich H.; and Wochner, Fred J., to Dennison Manufacturing Company. Method of molding a turret. 3,823,218, 7-9-74, Cl. 264-162.000.

Geurtsen, Johannes Theodorus; and Geurtsen, Theodorus Johannes Antonius, to Geurtsen B.V. Transport apparatuses for bedridden persons. 3,842,449, 10-22-74, Cl. 5-81.00r.

Geurtsen, Theodorus Johannes Antonius: *See*—
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Geus, John W.: *See*—
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Geus, John W. Catalyst preparation. 3,840,479, 10-8-74, Cl. 252-471.000.

Geusic, John Edward, to Bell Telephone Laboratories, Incorporated. Single wall domain generator. 3,786,452, 1-15-74, Cl. 340-174.0tf.

Geusic, Joseph Edward: *See*—
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Danylchuk, Irynej; Geusic, Joseph Edward; and Nelson, Terence John, 3,813,661.

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Geuss, Joseph A.: *See*—
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Gevaert-Agfa N.V.: *See*—
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Monbaliu, Marcel Jacob; and Van Poucke, Raphael Karel, 3,846,444.
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Van Engeland, Jozef Leonard; De Volder, Noel Jozef; Tavernier, Bernard Hippoliet; and Poot, Albert Lucien, 3,793,015.
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Gewako S.A.: *See*—
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Gewartowski, James Walter; and Tatsuguchi, Isamu, to Bell Telephone Laboratories, Incorporated. Resonance control in interdigital capacitors useful as DC breaks in diode oscillator circuits. 3,805,198, 4-16-74, Cl. 333-73.00s.

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Boden, Karl; Geweke, Werner; and Scheffer, Dietrich, 3,845,997.

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Beulker, Franz; Becker, Kunibert; Rosenberg, Harry; Wieblitz, Hans-Dieter; and Kuti, Joseph, 3,851,480.
Georg, Werner, 3,790,210.
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Gewerkschaft Schalker Eisenhutte: *See*—
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Geyer, Manvel A., Gordon, Frank J., Lyman, Richard C.; and Thaxton, Larry W., to Westinghouse Electric Corporation. Electrical system with programmed computer control and manually initiated control means. 3,842,249, 10-15-74, Cl. 235-151.210.

Geyer, Wolf, to Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung. Apparatus for supervising equipment with warning lights. 3,813,664, 5-28-74, Cl. 340-248.00r.

Geyken, Erwin: *See*—
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Geymer, Douglas O., to Shell Oil Company. Hydrocracking heavy hydrocarbonaceous materials in molten zinc iodide. 3,844,928, 10-29-74, Cl. 208-10.000.

Gezari, Walter A., to International Telephone and Telegraph Corporation, mesne. Sanitary holding sump and method of making. 3,808,996, 5-7-74, Cl. 114-.50r.

Gfa-Antriebstechnik Gesellschaft mit beschrankter Haftung: *See*—
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Gfeller, Ernst Alfred, to Singeisen, Markus. Linear measuring device. 3,816,926, 6-18-74, Cl. 33-141.00r.

GFM Gesellschaft fur Fertigungstechnik und Maschinenbau Aktiengesellschaft: *See*—
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Gfrerer, Manfred: *See*—
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Ghadimi, Hossein. Injectable amino acid composition commensurate to the anabolic need of the body and method of using same. 3,832,465, 8-27-74, Cl. 424-177.000.

Ghaem-Maghami, Sanjar; and Surowiec, Edward P., to General Electric Company. RGB amplifier. 3,814,842, 6-4-74, Cl. 178-5.4ma.

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Ghajar, Parviz, to Honeywell Information Systems, Inc. Method and apparatus for recovering data in an NRZI recording system. 3,821,716, 6-28-74, Cl. 340-172.500.

Ghate, Prabhakar Bhimrao: *See*—
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Ghejan, Ion V.: *See*—
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Ghelfi, Salvatore. Incinerating furnace for fluid and sludged refuse. 3,822,653, 7-9-74, Cl. 110-7.00r.

Ghelfi, Salvatore. Burner for burning various liquid and gaseous combustibles or fuels. 3,822,654, 7-9-74, Cl. 110-7.00s.

Ghere, Leonard R. Vehicle power output means. 3,824,404, 7-16-74, Cl. 307-10.00r.

Ghere, Morris. Automatic player for musical instruments. 3,787,603, 1-22-74, Cl. 84-19.000.

Ghersa, Piero; Torghele, Flavio; and Laberinti, Cesare, to Industrie Pirelli S.p.A. Buoyant hose and method for making same. 3,847,693, 11-12-74, Cl. 156-79.000.

Ghestem, Gerard, to Fives-Cail Babcock. Rotary kiln with cooling cells. 3,844,709, 10-29-74, Cl. 432-80.000.

Ghetti, Giuseppe: *See*—
Cesca, Sebastiano; Arrighetti, Sergio; Roggero, Arnaldo; and Ghetti, Giuseppe, 3,803,092.

Ghibu, Michael; Bohn, Gerhard; and Schwarzler, Peter, to Krauss-Maffei Aktiengesellschaft. Method and apparatus for measuring the gap spacing and relative transverse displacement of an electromagnetic core from an armature using magnetic field sensors. 3,89,724, 11-19-74, Cl. 324-34.00d.

Ghigo, Andrea S.: *See*—
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Ghilardi, Giuliana: *See*—
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Ghiotto, Renzo. Autoclave tank for hydraulic lifting plants. 3,842,863, 10-22-74, Cl. 138-30.000.

Ghirga, Marcello: *See*—
Bertoline, Natale; Calcagno, Benedetto; and Ghirga, Marcello, 3,801,665.
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Ghiselin, Robert Earle: *See*—
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Ghislain, Pierre Marie; D'Ostrowick, Joseph de Radzitzky; and de Roocker, Alvin Joseph, to Labofina S.A. Preparation of dihalo compounds. 3,793,380, 2-19-74, Cl. 260-648.00r.

Ghisoni, Pietro, to Mayer, Vita & C. gia F. lli Vita S.a.s. System to avoid thermal degradation of chemical compounds during the treatment of wood chips. 3,811,993, 5-21-74, Cl. 162-18.000.

Ghosh, Hitenora Nath; and Wajda, Edward S., to International Business Machines Corporation. Process for self-isolation monolithic device and pedestal transistor structure. 3,802,968, 4-9-74, Cl. 148-175.000.

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Ghovanloo, Massud Karim. Suspended target and profectile. 3,817,527, 6-18-74, Cl. 273-101.000.

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Ohlschlager, Hans; Riester, Oskar; Ghys, Theofiel Hubert; Verhille, Karel Eugeen; and Vanheertum, Ir Johannes, 3,782,933.
Ohlschlager, Hans; Ghys, Theofiel Hubert; Verhille, Karel Eugeen; and Kampfer, Helmut, 3,782,934.
Philippaerts, Herman A.; Pollet, Robert Joseph; Muller-Bardorff, Wolfgang; Saleck, Wilhelm; Moll, Franz; and Ghys, Theofiel Hubert, 3,847,617.

Giaccone, Sylvester: *See*—
Barouh, Victor; Glenn, Robert; and Giaccone, Sylvester, 3,852,089.

Giachello, Marco, to Fiat Societa per Azioni. Permanent magnet speed detector. 3,796,899, 3-12-74, Cl. 310-156.000.

Giachetto, John H., to National Petro Chemicals Corporation, mesne. Process for the production of ethylene/butene-1 copolymers and ethylene homopolymers. 3,794,627, 2-26-74, Cl. 260-88.20r.

Giacobbe, Thomas J.: *See*—
Edamura, Fred Y.; and Giacobbe, Thomas J., 3,790,619.
Edamura, Fred Y.; and Giacobbe, Thomas J., 3,852,319.

Giacoletti, John B.: *See*—
Torosian, Ashod; and Giacoletti, John B., 3,841,841.

Giacoma, Frederick Alfred, Jr.; Godbold, Channing W.; and Stephens, Richard Wilson, to Monsanto Company. Explosion relief cover restraint. 3,788,514, 1-29-74, Cl. 220-89.00a.

Giacomino, Gerald L.: *See*—
Braun, William V.; Bruckert, Eugene J.; Giacomino, Gerald L.; and Partipilo, Phillip, 3,855,576.

Giacomo Cortinovis: *See*—
Menghini, Angelo, 3,831,575.

Giacopelli, James J. Waste retrieval device. 3,802,728, 4-9-74, Cl. 294-19.00r.

Giacopelli, Umberto, to Solvay & Cie. Electrolytic cell including vertical hollow anodes with deflector panels diverging upwardly from each anode. 3,790,465, 2-5-74, Cl. 204-266.000.

Giacopelli, Umberto. Electrolytic cell and method of assembling same. 3,847,783, 11-12-74, Cl. 204-275.000.

Giacosa, Dante, to Sira Societa Industriale Ricerche Automotoristiche. Outboard motor having a water jet impellor unit. 3,807,344, 4-30-74, Cl. 115-12.00a.

Giacosa, Dante, to Sira Societa Industriale Recerche Automotoristiche. Water jet impellor unit having a steering control device. 3,842,787, 10-22-74, Cl. 115-16.000.

Giaever, Ivar, to General Electric Company. Method and apparatus for immunological detection of biological particles. 3,853,467, 12-10-74, Cl. 23-230.00b.

Giald, Franco: *See*—
Arsura, Emilio; Baruffini, Agostino; Giald, Franco; Pellegrini, Giovanni; Ponci, Riccardo; and Scrivani, Pietro, 3,835,189.

Giallorenzi, Thomas G.; and West, Edward J., to United States of America, Navy. Optical waveguide edge coupler using graded index profile. 3,802,761, 4-9-74, Cl. 350-96.0wg.

Giambazi, James D. Golf club with eccentric grip therefor. 3,782,725, 1-1-74, Cl. 273-81.003.

Giambazi, James D. Putter head. 3,851,877, 12-3-74, Cl. 273-78.000.

Giamei, Anthony F.: *See*—
Copley, Stephen M.; Giamei, Anthony F.; Hornbecker, Merton F.; and Kear, Bernard H., 3,844,728.
Giamei, Anthony F.; Hornbecker, Merton F.; and Terkelsen, Bruce E., to United Aircraft Corporation. Directionally solidified article. 3,787,190, 1-22-74, Cl. 29-183.000.

Gianardi, Acostino, to Olivetti, Ing., C., & C., S.p.A. Hinge for the articulated connection of partitioning panels, furniture and the like for offices. 3,781,944, 1-1-74, Cl. 16-187.000.

Gianatasio, Henry L.: *See*—
Edes, Ferenc; and Gianatasio, Henry L., 3,785,542.

Giandinoto, Aldo; and Gilardelli, Ugo, to Fabbrica Italiana Magneti Marelli, S.p.A. Device for guiding and resuming the axial clearance in screws of reduction worms, particularly for low power geared motor. 3,848,477, 11-19-74, Cl. 74-425.000.

Gianessi, Albert, to Caterpillar Tractor Company. Bulldozer lift cylinder arrangement. 3,800,885, 4-2-74, Cl. 172-809.000.

Giani, Adolfo, to Reggiani S.p.A. Fluid pressure biased squeegee blade and counter pressure table therefore. 3,795,188, 3-5-74, Cl. 101-119.000.

Giannetti, Joseph P.; McIlvried, Howard G.; and Sebulsky, Raynor T., to Gulf Research & Development Company. Process for the production of 2-2-dimethylbutane. 3,786,108, 1-15-74, Cl. 260-683.660.

Giannetto, Salvatore. Automobile trunk lock safety adapter. 3,783,655, 1-8-74, Cl. 70-1.500.

Gianni, Sebastian J.; Seeley, William M.; Stillson, Timothy Jay; Hamilton, Clark B.; and Barker, Perley K., to Dunham-Bush, Inc. Refrigeration system with head pressure control. 3,844,131, 10-29-74, Cl. 62-149.000.

Giannini, Anthony J. Kitchen range with folding heater units. 3,790,750, 2-5-74, Cl. 219-444.000.

Giannini, Gabriel M. Discharge tube apparatus. 3,801,853, 4-2-74, Cl. 313-267.000.

Giannini, Richard J., to Hazeltine Corporation. Cylindrical array antenna. 3,816,830, 6-11-74, Cl. 343-100.0sa.

Giannini, Umberto: *See*—
Longi, Paolo; Giannini, Umberto; and Mazzocchi, Romano, 3,850,842.

Giannone, Charles: *See*—
Hinden, Milton; and Giannone, Charles, 3,835,285.
Hinden, Milton; and Giannone, Charles, 3,858,024.

Giannone, Victor S. Tire chain device. 3,856,069, 12-24-74, Cl. 152-233.000.

Giansante, Joseph A. Atmosphere control system for growing mushrooms and the like. 3,810,327, 5-14-74, Cl. 47-1.100.

Giansante, Joseph A. Pasteurization atmosphere control system. 3,820,278, 6-28-74, Cl. 47-1.100.

Giardina, Angelo R.: *See*—
Dunnavant, Allan A.; Giardina, Angelo R.; Vargo, Andrew M.; and Vota, James L., 3,839,159.

Giardina, Angelo R., to Westinghouse Electric Corporation. Steam generator. 3,848,572, 11-19-74, Cl. 122-32.000.

Giardina, Anthony J.: *See*—
Falen, Walter S.; and Giardina, Anthony J., 3,788,287.

Giardina, Nicholas; Gervis, Melvyn A.; Wozny, Eugene Taras; and Babock, Richard D. Double bar lock. 3,792,885, 2-19-74, Cl. 292-39.000.

Giardina, Nicholas; Gervis, Melvyn A.; Wozny, Eugene Taras; and Babcock, Richard D. Actuating mechanism for double bar lock. 3,844,592, 10-29-74, Cl. 292-39.000.

Giardini, Emidio D., to Rockwell International Corporation. Modular rack assembly. 3,857,494, 12-31-74, Cl. 211-177.000.

Giarrusso, Frederick F.: *See*—
Cimarusti, Christopher M.; Giarrusso, Frederick F.; and Levine, Seymour D., 3,825,566.

Giatti, Filippo, to AMF Incorporated. Storing and feeding device for cigarettes. 3,782,523, 1-1-74, Cl. 198-22.00r.

Gibb, David T. Lobed rotary cutting blade. 3,831,484, 8-27-74, Cl. 83-847.000.

Gibb, Robert David; Smith, Donald Rowand; Wickenden, Geoffrey Charles; Galton, Graham Norman; and Shepherd, Dennis Robert, to Hawker Siddeley Aviation Limited and Defence of Great Britain, Secretary of State for. Aircrew escape systems. 3,782,284, 1-1-74, I. 102-27.900.

Gibbins, Robert Albert, to Dowty Mining Equipment Limited. Hydraulic apparatus. 3,840,047, 10-8-74, Cl. 137-608.000.

Gibble, Walter P.; and Reid, Edward J., to Hunt-Wesson Foods, Inc. Process for improving the thermal stability of soybean oil. 3,857,866, 12-31-74, Cl. 260-420.000.

Gibbon, Robert Muir, to Imperial Chemical Industries Limited. Surface treating compositions. 3,799,919, 3-26-74, Cl. 260-18.00s.

Gibbon, Robert Muir; and Peirpoint, Edward Keith, to Imperial Chemical Industries Limited. Rapid curing organopolysiloxane compositions. 3,846,506, 11-5-74, Cl. 260-825.000.

Gibbon, William Malcolm; Davies, Idwal; and Harris, Alan Gwynne, to British Steel Corporation. Process for the production of metal strip from Fe powder. 3,839,026, 10-1-74, Cl. 75-214.000.

Gibbons, Burton C.; and Westacott, Harry L., to Eastman Kodak Company. Photographic chemical waste handling apparatus and method. 3,836,987, 9-17-74, Cl. 354-300.000.

Gibbons, Carl L.: *See*—
Reineke, Charles E.; and Gibbons, Carl L., 3,804,885.

Gibbons, Carl L., to Dow Chemical Company, The. Halogenated epoxides. 3,784,500, 1-8-74, Cl. 260-30.40r.

Gibbons, Edward J.: *See*—
Gibbons, Edward J.; Morton, Herbert J.; and Busheee, Joseph J., 3,798,736.

Gibbons, Edward J.; Morton, Herbert J.; and Busheee, Joseph J., to Gibbons, Edward J. Rubber stamp assembler. 3,798,736, 3-26-74, Cl. 29-208.00f.

Gibbons, Edward J., to Colgate-Palmolive Company. Apparatus for introducing ingredients into a spray drying tower. 3,842,888, 10-22-74, Cl. 159-4.0cc.

Gibbons, Harold M.: *See*—
Mezei, George A.; and Gibbons, Harold M., 3,830,533.

Gibbons, Harold M., to FMC Corporation. Dual jack assembly for marine loading arms. 3,799,197, 3-26-74, Cl. 137-615.000.

Gibbons, Harry L. Quick connect terminal apparatus and device for providing terminals and splices on coaxial cable leads. 3,820,059, 6-25-74, Cl. 339-100.000.

Gibbons, James, Limited: *See*—
Evans, Melvyn Harold; and Tomlinson, Douglas Eric, 3,838,477.

Gibbons, John Michael; and Knowles, William Ralph. Feature association in image analysis. 3,795,792, 3-5-74, Cl. 235-92.0pc.

Gibbons, John P., and Wondolowski, Lawrence, to CPC International Inc. Alkyl glucoside reaction product. 3,816,395, 6-11-74, Cl. 260-210.00r.

Gibbons, Joseph B.; and Passanti, Francesco A., to General Electric Company. Air drum sorter for solid waste. 3,804,249, 4-16-74, Cl. 209-473.000.

Gibbons, Loren K., to FMC Corporation. Isoxazolopyrimidine herbicides and method of controlling plant growth. 3,816,090, 6-11-74, Cl. 71-92.000.

Gibbons, Loren Kenneth, to FMC Corporation. Isoxazolopyrimidine herbicides and method of controlling plant growth. 3,803,148, 4-9-74, Cl. 260-256.40f.

Gibbons, Loren Kenneth; and Ramsey, Arthur Albert, to FMC Corporation. 3,6-Dialkylisothiazolo[3,4-d]pyrimidin-4(5H)-ones. 3,816,420, 6-11-74, Cl. 260-256.50r.

Gibbons, Loren Kenneth; and Ramsey, Arthur Albert, to FMC Corporation. Dihydroisazolopyrimidine herbicides. 3,816,421, 6-11-74, Cl. 260-256.40f.

Gibbs, Charles H.; and Martin, William O. Ambient condition responsive visual indicator. 3,797,012, 3-12-74, Cl. 340-366.00r.

Gibbs, Dale S.; and Wessling, Ritchie A., to Dow Chemical Company, The. Reducing heat-seal temperature requirements for coatings prepared from latexes of vinylidene chloride polymers. 3,843,581, 10-22-74, Cl. 260-29.6ta.

Gibbs, Dale S.; and Wessling, Ritchie A., to Dow Chemical Company, The. Reducing heat-seal temperature requirements for coatings prepared from latexes of vinylident chloride polymers. 3,843,582, 10-22-74, Cl. 260-29.6ta.

Gibbs, Dale S.; and Wessling, Ritchie A., to Dow Chemical Company, The. Reducing heat-seal temperature requirements for coatings prepared from latexes of vinylidene chloride polymers. 3,843,583, 10-22-74, Cl. 260-29.6ta.

Gibbs, Dudley Francis; Bennet, Edward John; and Hopkinson, William Ian, to Vickers Limited. Method of and apparatus for promoting a reaction between a liquid specimen and a liquid reagent. 3,854,703, 12-17-74, Cl. 259-11.000.

Gibbs, Erich L., to Ultrascience Incorporated. Method and apparatus for use in water purification by reverse osmosis. 3,846,295, 11-5-74, Cl. 210-23.000.

Gibbs, Everett Ralph; and Tully, William Howard, to Koppers Company, Inc. Electrostatic precipitator. 3,831,351, 8-27-74, Cl. 55-147.000.

Gibbs, Francis E., to Kaiser Aluminum & Chemical Corporation. Welding fixture. 3,786,225, 1-15-74, Cl. 219-124.000.

Gibbs, Francis E., to Kaiser Aluminum & Chemical Corporation. Welding process. 3,825,712, 7-23-74, Cl. 219-137.000.

Gibbs, Fred E. Portable fireplace screen. 3,830,219, 8-20-74, Cl. 126-202.000.

Gibbs, Gerald W.: *See*—
Yoeli, Oded; and Gibbs, Gerald W., 3,810,787.

Gibbs, Richard E.: *See*—
Altwicker, Elmar R.; Gibbs, Richard E.; and Kolak, Nicholas P., 3,784,478.

Gibbs, Wallace E., 1/3 each to Ferguson, T. W. and McNaughton, J. W. Cutter tip. 3,817,305, 6-18-74, Cl. 144-231.000.

Gibby, Michael G.; Pines, Alexander; and Waugh, John S., to Massachusetts Institute of Technology. Proton-enhanced nuclear induction spectroscopy. 3,792,346, 2-12-74, Cl. 324-.50r.

Gibeault, Robert E., to Kleenaire Recycling Systems, Inc. Incinerator. 3,815,523, 6-11-74, Cl. 110-8.00c.

Gibel, Stephen J. Classifying muffler. 3,811,251, 5-21-74, Cl. 55-276.000.

Gibel, Stephen J. Sound-trap muffler. 3,842,932, 10-22-74, Cl. 181-50.000.

Gibert, Guy; and Vidal, Pierre, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E. Flexion mode crystalline bar for an oscillator. 3,787,743, 1-22-74, Cl. 310-9.500.

Gibert, Guy; and Vidal, Pierre, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E. Fixing device for an oscillatory crystal. 3,794,867, 2-26-74, Cl. 310-9.100.

Gibiani, Heinz; Kiesluch, Klaus; Koch, Hans-Joachim; Kosmol, Horst; Rufer, Clemens; Schroder, Eberhard; and Walsh, Rosemarie, nee Vossing, to Schering Aktiengesellschaft. Production of optically active antipodes. 3,790,445, 2-5-74, Cl. 195-51.00r.

Gibier-Rambaud, Alain; and Blanc, Bernard. Polyurethane prepolymers having improved stability and method for their preparation. 3,814,736, 6-4-74, Cl. 260-77.5ac.

Gibilisco, Paul J.: *See*—
Lafferty, James H.; Reiter, Raymond A.; and Gibilisco, Paul J., 3,817,503.

Gibilterra, Charles A., to Vecta Group, Inc., The. Chair construction. 3,815,955, 6-11-74, Cl. 297-295.000.

Gibling, George Wynn. Pipe couplings. 3,807,744, 4-30-74, Cl. 277-207.000.

Giblon, Robert P., to Sharp, George C., Inc. Jack-up type offshore platform apparatus. 3,797,256, 3-19-74, Cl. 61-46.500.

Giblon, Robert P., to Sharp, George G., Inc. Tug-barge system and method. 3,837,315, 9-24-74, Cl. 114-235.00r.

Gibney, Kelly B.; and Evans, Russell S., to Canadian Cellulose Company, Limited. Production of cellulose esters from partially purified wood pulp by hemicellulose removal. 3,846,403, 11-5-74, Cl. 260-227.000.

Gibs, Gabriel Joseph: *See—*
Remers, William Alan; Gibs, Gabriel Joseph; and Weiss, Martin Joseph, 3,790,590.
Weiss, Martin Joseph; Gibs, Gabriel Joseph; Poletto, John Frank; and Remers, William Alan, 3,846,446.
Weiss, Martin Joseph; Gibs, Gabriel Joseph; Poletto, John Frank; and Remers, William Alan, 3,849,441.

Gibson, Charles I.: *See—*
Boedecker, Kenneth J., Jr.; and Gibson, Charles I., 3,845,936.

Gibson, Darrell Holdsworth, to Gibson, Douglas H., Pty. Limited. Panel fixing system. 3,803,789, 4-16-74, Cl. 52-471.000.

Gibson, David B.: *See—*
Harris, Paul D.; and Gibson, David B., 3,807,411.

Gibson, Douglas H., Pty. Limited: *See—*
Gibson, Darrell Holdsworth, 3,803,789.

Gibson, Duane M., to Omark Industries, Inc. Fastener. 3,834,138, 9-10-74, Cl. 56-290.000.

Gibson, Eslie B. Attachment for jack. 3,830,470, 8-20-74, Cl. 254-133.000.

Gibson, Geoffrey Moorhouse: *See—*
Stanbank, Derek James; Leigh, Roland Albert; and Gibson, Geoffrey Moorhouse, 3,856,696.

Gibson, Gerald Warren; Sigmon, Ned A.; and Kirby, Ransom Pitts, to Liggett & Myers Incorporated. Device for detecting carbon on cigarette filter tips. 3,818,223, 6-18-74, Cl. 250-223.00r.

Gibson, Henry C.: *See—*
Wernlund, Roger F.; Carroll, David L.; Gibson, Henry C.; and Cohen, Martin J., 3,845,301.

Gibson, Herman B., Jr.: *See—*
Fryer, George L., Jr.; and Gibson, Herman B., Jr., 3,832,790.

Gibson, Ivan A. Cooling shroud for airboat. 3,788,264, 1-29-74, Cl. 115-1.00r.

Gibson, James John: *See—*
Christensen, Roy Martin; Gibson, James John; and Limberg, Allen Le Roy, 3,824,342.

Gibson, John: *See—*
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Gibson, John; and Nelson, James, to Underground Mining Machinery Limited. Chain tensioning devices and drive assemblies for mining. 3,855,871, 12-24-74, Cl. 74-242.1fp.

Gibson, John Anderson: *See—*
Smyth, Michael James; Murdoch, Robert; and Gibson, John Anderson, 3,844,926.

Gibson, John C., to GTE Automatic Electric Laboratories, Incorporated. Path verification arrangement for automatically testing conditions. 3,851,122, 11-26-74, Cl. 179-175.230.

Gibson, John G.; and Holland, Ronald, to British Railways Board. Electric cells and batteries. 3,783,024, 1-1-74, Cl. 136-6.00a.

Gibson, John James, to RCA Corporation. Telephone image transmission system. 3,842,199, 10-15-74, Cl. 178-6.800.

Gibson, Louis J. Hand truck. 3,856,166, 12-24-74, Cl. 214-370.000.

Gibson, Malcolm Ritchie; Roesler, Frank Cornelius; Smith, Stuart Raymond Leslie; and Maslen, Frank Peter, to Imperial Chemical Industries, Limited. Fermentation method and apparatus. 3,847,748, 11-12-74, Cl. 195-109.000.

Gibson, Philip Terry: *See—*
Dodson, Michael; and Gibson, Philip Terry, 3,805,586.

Gibson, Richard D.; and Whelan, Robert D., to General Instrument Corporation. Coding arrangemet for fiber optic digital display device. 3,836,911, 9-17-74, Cl. 340-380.000.

Gibson, Richard D.; and Whelan, Robert D., to General Instrument Corporation. Combined VHF and UHF display system. 3,857,361, 12-31-74, Cl. 116-124.400.

Gibson, Richard R.: *See—*
Pelizzoni, Winton J.; Greathouse, Jack F.; Pekar, Frank J., Jr.; and Gibson, Richard R., 3,786,792.

Gibson, Robert C.: *See—*
Kowal, Leonard J.; and Gibson, Robert C., 3,817,302.

Gibson, Robert G.; and Carruba, Samuel C., to Fluor Corporation. Offshore platform structures. 3,852,969, 12-10-74, Cl. 61-46.500.

Gibson, Roland Richard, to Glacier Metal Company, Limited, The. Centrifugal separator. 3,784,092, 1-8-74, Cl. 233-20.00r.

Gibson, Ronald L.; and Watkins, Charles L., to Georgia-Pacific Corporation. Fiberboard container. 3,820,706, 6-28-74, Cl. 229-34.00r.

Gibson, Troy W. Rotary internal combustion engine. 3,857,371, 12-31-74, Cl. 123-44.00r.

Gibson, Van A. Protective cage for trench workers. 3,818,709, 6-25-74, Cl. 61-41.00a.

Gibson, William: *See—*
Martin, Byron W.; and Gibson, William, 3,826,203.

Gibson, William P.: *See—*
Weatherhead, Herman R.; and Gibson, William P., 3,797,969.

Gibu, Yoshitaka: *See—*
Senshu, Haruzo; Koenuma, Masao; and Gibu, Yoshitaka, 3,826,007.

Gickler, Alan E.: *See—*
Roberts, H. Evan; and Gickler, Alan E., 3,851,435.

Gidaspow, Dimitri; Lyczkowski, Robert W.; and Baker, Bernard S., to Institute of Gas Technology. Continuous bleed fuel cells. 3,823,038, 7-9-74, Cl. 136-86.00r.

Giddings & Lewis, Inc.: *See—*
Beadle, Bruce R.; and Bollinger, John G., 3,784,798.
Conners, John P., 3,798,427.
Klabunde, Steven Eldor, 3,851,396.
Kolell, Norbert C.; and Simon, James B., 3,840,793.
Mack, William H., 3,840,791.
Seichter, Daniel J.; and Ehrhardt, Orville W., 3,857,051.
Simon, James B.; and Bullock, Thomas B., 3,798,430.
Zettler, William D., 3,818,797.

Giddings, Donald W., to Smith, S. R., Co., Inc. Spring board assembly. 3,804,405, 4-16-74, Cl. 272-66.000.

Gideco: *See—*
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Gidge, Lester, to Monsanto Company. Method of heat sealing porous materials. 3,791,908, 2-12-74, Cl. 156-273.000.

Gidge, Lester, to Polymer Corporation Limited. Device for the injection of fluid foaming agents into plasticized polymeric material. 3,792,839, 2-19-74, Cl. 259-193.000.

Gidge, Lester, to Monsanto Company. Non-tear seams produced by radio frequency means. 3,809,596, 5-7-74, Cl. 156-380.000.

Gidge, Lester; and Poulin, Valmor R., Jr. Non-woven pile material and method for making same. 3,840,414, 10-8-74, Cl. 156-72.000.

Gidick, Ward F., to Koppers Company, Inc. Pollution-free coal charging apparatus. 3,791,320, 2-12-74, Cl. 110-101.00r.

Gidlaw, Rolf Gunnar: *See—*
Rogers, Nelson E.; and Gidlaw, Rolf Gunnar, 3,851,085.

Gidon, Marie-Claire: *See—*
Girard, Rene Fernand Victor; and Gidon, Marie-Claire, 3,788,897.

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Rubin, Howard; Keegan, James J.; and Gidwani, Ram N., 3,833,518.

Gieb, Werner: *See—*
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Giebel, Ernest W., to Union Camp Corporation. Compartmented tray. 3,834,608, 9-10-74, Cl. 229-15.000.

Giebel, Joseph L.: *See—*
Temple, Ernest E.; and Giebel, Joseph L., 3,793,978.

Giebeler, Robert Henry, to Varian Associates. Modulator circuit for a high power linear beam tube. 3,801,854, 4-2-74, Cl. 315-5.290.

Gieben, Wibmar Uber: *See—*
Jellinek, Karl; Post, Udo; Gieben, Wibmar Uber; and Oellig, Rudi, 3,784,601.

Giebler, Fritz, to Siemens Aktiengesellschaft. Arrangement for the connecting of transmission devices to a program controlled electronic data exchange system. 3,783,183, 1-1-74, Cl. 178-3.000.

Giebler, Fritz, to Siemens Aktiengesellschaft. Circuit arrangement for the interruption-free switch-over from an operating current supply apparatus to a standby current supply apparatus. 3,790,822, 2-5-74, Cl. 307-254.000.

Giebler, Fritz; Moder, Hans-Ulrich; Rabold, Jurgen; and Schaffer, Bernhard. Method for testing units of a program controlled data processing system. 3,820,077, 6-25-74, Cl. 340-172.500.

Giegerich, Bertrand V., to General Electric Company. Bushing, fuse and fuseholder. 3,829,810, 8-13-74, Cl. 337-202.000.

Giehler, Herbert, to Elkamet-Werk Lahn-Kunstspoble GmbH. Device for making hollow bodies from thermoplastic material by rotation-melting. 3,824,061, 7-16-74, Cl. 425-435.000.

Gieles, Antonius Cornelis Maria; and Somers, Gerardus Henricus Johannus, to U.S. Philips Corporation. Probe for measuring the flow of liquids. 3,798,967, 3-26-74, Cl. 73-204.000.

Gieles, Antonius Cornelis Maria; Haans, Petrus Franciscus Antonius; and Van Esdonk, Johannes, to U.S. Philips Corporation. Pressure transducer for liquids or gases. 3,838,379, 9-24-74, Cl. 338-42.000.

Gierek, Adam; and Bajka, Lech, to Politechnika Slaska Im.W. Pstrowskiego. Process for manufacturing hot-dip aluminized pearlitic malleable cast iron and black heart malleable cast iron products. 3,850,699, 11-26-74, Cl. 148-6.110.

Gierer, Walter: *See—*
Felice, Klaus; Sedlmeier, Josef; Gierer, Walter; Frey, Werner; and Wiedemann, Otto, 3,799,886.

Gierlach, Robert W., to Standard Car Truck Company. Snubbed railway truck. 3,845,725, 11-5-74, Cl. 105-197.0db.

Giersiepen, Werner; and Rich, Walter, to Elektrotechnische Industrie Gustav Giersiepen. Time-keeping arrangement. 3,796,040, 3-12-74, Cl. 58-39.500.

Giersing, Jorgen, to Aktieselskabet de Danske Sukkerfabrikker. Auxiliary screw conveyors. 3,841,908, 10-15-74, Cl. 127-5.000.

Gierth, Volker: *See—*
Klocke, Hans Joachim; Stockburger, Dieter; Gierth, Volker; and Zeitler, Gerhard, 3,813,375.

Giertz, Hubert: *See—*
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Giery, Edward G., Jr.: *See—*
Schrage, Donald J.; and Giery, Edward G., Jr., 3,791,317.

Gieschen, Kurt; and Schmidemann, Walter, to U.S. Philips Corporation. Film displacement device for X-ray apparatus. 3,848,134, 11-12-74, Cl. 250-471.000.

Giese, Bernd; Jaeger, Peter; Koenig, Horst; and Brenner, Siegfried, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of 4-endotricyclo(5,2,1,02,6-endo)-decylamine. 3,843,499, 10-22-74, Cl. 204-74.000.

Giesecke, Heinz, to General Motors Corporation. Optical liquid level indicator. 3,794,428, 2-26-74, Cl. 356-156.000.

Giesemann, Rolf: *See—*
Bauer, Adolf; Weber, Karl Heinz; Merz, Herbert; Zeile, Karl; Giesemann, Rolf; and Danneberg, Peter, 3,816,409.
Renth, Ernst-Otto; Mentrup, Anton; Schromm, Kurt; and Giesemann, Rolf, 3,808,212.
Weber, Karl Heinz; Zeile, Karl; Danneberg, Peter; Giesemann, Rolf; and Hauptmann, Karl Heinz, 3,836,652.
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Giesen, Gerardus Johannes, to Beondu A.G., mesne. Boiler and method of making same. 3,844,255, 10-29-74, Cl. 122-225.00r.

Giesen, Gerardus Johannes, to Beondu A.G. Boiler. 3,857,367, 12-31-74, Cl. 122-367.00r.

Giesfeldt, John C., to Baskettes Ltd. Method for making potato baskets. 3,800,054, 3-26-74, Cl. 426-390.000.

Giesken, Kenneth Frank, to Bell Telephone Laboratories, Incorporated. Arrangement for providing switched range extension. 3,816,668, 6-11-74, Cl. 179-18.0ea.

Gieskieng, Marion W. Method and apparatus for the detection of cracks and flaws in rail wheels, rails and the like by sliding a prerecorded magnetic medium over the test piece. 3,820,016, 6-25-74, Cl. 324-37.000.

Giesse, Roland: *See—*
Steppan, Hartmut; Uhlig, Fritz; and Giesse, Roland, 3,790,385.

Giesselmann, Gunter; Schwarze, Werner; and Weigert, Wolfgang, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of alkyl isothiocyanic acid esters. 3,787,472, 1-22-74, Cl. 260-454.000.

Giesselmann, Gunter; Schreyer, Gerd; and Weigert, Wolfgang Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of hydrogen peroxide by the anthraquinone process. 3,789,114, 1-29-74, Cl. 423-588.000.

Giesselmann, Gunter; Monch, Heinz; Schreyer, Gerd; and Weiberg, Otto, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Recovery of hydrogen peroxide from an aqueous solution by distillation with organic extractants. 3,819,818, 6-25-74, Cl. 423588.000.

Giesselmann, Monica Linnea. Arrangement for cutting the threads in a sewing machine when changing the bobbin thread. 3,810,439, 5-14-74, Cl. 112-252.000.

Giessler, Donald A.: *See—*
Ratliff, Floyd A.; and Giessler, Donald A., 3,796,681.

Gieszl, Carl R. Steering system. 3,814,203, 6-4-74, Cl. 180-79.20r.

Gievers, John George. Rotation sensitive retarder. 3,841,758, 10-15-74, Cl. 356-106.01r.

Giffard, Louis. Filtering element. 3,785,497, 1-15-74, Cl. 210-282.000.

Giffel, Byron B; and Cole, Robert B., to Belden Corporation. Low noise cord with non-metallic shield. 3,816,644, 6-11-74, Cl. 174-115.000.

Giffen, James W.; Duke, David A.; Dumbaugh, William H., Jr.; Flannery, James E.; MacDowell, John F.; and Megles, John E., to Corning Glass Works. Method for continuously hot forming strong laminated bodies. 3,849,097, 11-19-74, Cl. 65-33.000.

Gifford, Fay E.: *See—*
Bleil, Carl E.; and Gifford, Fay E., 3,850,691.

Gifford, Henry. Chess set with visual means for keeping a running score. 3,853,323, 12-10-74, Cl. 273-137.00r.

Gifford, John F. Electroperistalic ion pump. 3,846,274, 11-5-74, Cl. 204-299.000.

Gifford, Robert T., to Vernay Laboratories, Inc. Temperature responsive value assembly. 3,833,171, 9-3-74, Cl. 236-102.000.

Gifford, William E.; and Veltri, Enrico D., to General Electric Company. Gas separation and purification utilizing time sequenced flow through a pair of regenerators. 3,851,493, 12-3-74, Cl. 62-13.000.

Giflo, Henrik; Enekes, Sandor; Zambo, Pal; Sziklavari, Janos; Farkas, Istvan; Ivan, Geza; Molnar, Jozsef; and Vamosi, Jozsef, to Kohaszati, Lenin. Properly weldable, corrosion resistant structural steel of high yield point. 3,809,550, 5-7-74, Cl. 75-124.00.

Giflo, Henrik; Enekes, Sandor; Zambo, Pal; Sziklavari, Janos; Farkas, Istvan, Ivan, Geza; Molnar, Jozsef; Vamosi, Jozsef; and Valko, Janos, to Lenin Kohaszati Muvek. Super-high-speed steels of high cutting capacity. 3,833,360, 9-3-74, Cl. 75-126.00r.

Giflo, Henrik; Enekes, Sandor; Zambo, Pal; and Vamosi, Jozsef, to Lenin Kohaszati Muvek. High-strength atmosphere corrosion resistant plate steel. 3,841,866, 10-15-74, Cl. 75-124.000.

Gift, Eugene G., to Emhart Corporation. Lane defining apparatus for handling articles in columns. 3,834,117, 9-10-74, Cl. 53-61.000.

Giger, Urs, to Eta A.G., Ebauches-Fabrik. Device for fastening the inner end of a mainspring to the barrel arbor of a clockwork. 3,834,154, 9-10-74, Cl. 58-87.000.

Giger, Urs; and Perrot, Friedrich, to Eta A.G., Ebauches-Fabrik. Unidirectional coupling device for a watch movement. 3,838,567, 10-1-74, Cl. 58-82.00a.

Giger, Urs, to Eta A.G. Ebauches-Fabrik. Arrangement for securing the hairspring stud on a watch frame part. 3,842,592, 10-22-74, Cl. 58-115.000.

Giger, Urs, to Eta A.G. Ebauches-Fabrik. Motor-barrel watch movement. 3,846,974, 11-12-74, Cl. 58-87.000.

Giger, Urs; and Perrot, Friedrich, to ETA A.G. Ebauches-Fabrik. Pivoting device for the winding weight of an automatic watch. 3,855,779, 12-24-74, Cl. 58-82.00a.

Giglia, Robert Domenico: *See—*
Clasen, Richard Howard; and Giglia, Robert Domenico, 3,847,468.
Maricle, Donald Leonard; and Giglia, Robert Domenico, 3,844,636.

Giglia, Robert Domenico, to American Cyanamid Company. Additives that increase the stability of electrochromic films in electrochromic devices. 3,819,252, 6-25-74, Cl. 350-160.00r.

Giglia, Robert Domenico; and Clasen, Richard Howard, to American Cyanamid Company. Simple, bonded graphite counter electrode for electrochromic devices. 3,827,784, 8-6-74, Cl. 350-160.00p.

Giglio, Frank A. Suppository. 3,840,010, 10-8-74, Cl. 128-271.000.

Gigliotti, Victor J. Golf game apparatus. 3,844,558, 10-29-74, Cl. 273-87.00r.

Gigliotti, Victor J. Golf game apparatus. 3,844,565, 10-29-74, Cl 273-176.00f.

Giguere, Andre N.; and Thibodeau, Rheal A., to Giguere, Marie Marthe Poulin and Thibodeau, Rose Agathe Cote. Portable electric grill appliance. 3,848,110, 11-12-74, Cl. 219-525.000.

Giguere, Jacques; and Landry, Jean-Guy, to Dryden Chemicals, Limited. Aminolignosulfonate-formaldehyde reaction products and process of preparation. 3,784,493, 1-8-74, Cl. 260-17.500.

Giguere, Marie Marthe Poulin: *See—*
Giguere, Andre N.; and Thibodeau, Rheal A., 3,848,110.

Giguo, Claude; and Quentin, Jean-Pierre, to Rhone-Poulenc S.A. Dialysis apparatus. 3,839,200, 10-1-74, Cl. 210-22.000.

Gikow, Emanuel, to United States of America, Army. Printed circuit board vibration snubber. 3,813,582, 5-28-74, Cl. 317-101.00h.

Gikow, Emanuel; and Vig, John R., to United States of America, Army. Superconductive tunable filter with narrow band and broad tuning range. 3,818,390, 6-18-74, Cl. 334-68.000.

Gil, Fernando R. Apparatus for raising sunken vessels. 3,844,237, 10-29-74, Cl. 114-51.000.

Gil-Castillo, Arturo. Removable denture connection. 3,818,594, 6-25-74, Cl. 32-5.000.

Gilaad, Yigal. Trickle irrigation unit. 3,792,588, 2-19-74, Cl. 61-12.000.

Gilani, Syed S. H.; and Murray, Donald W., to Esso Research and Engineering Company. Grease thickened with lithium soap of hydroxy fatty acid and lithium salt of aliphatic dicarboxylic acid. 3,791,973, 2-12-74, Cl. 252-41.000.

Gilano, Michael N., to Dynachem Corporation. Electroless copper plating. 3,790,392, 2-5-74, Cl. 106-1.000.

Gilardelli, Ugo: *See—*
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Gilb, Tyrell T., to Simpson Manufacturing Co., Inc. Truss joists having edge pin connectors. 3,857,218, 12-31-74, Cl. 52-644.000.

Gilbaugh, John W. Animal trap. 3,808,729, 5-7-74, Cl. 43-88.000.

Gilberd, Gordon Henry, to Hadfield, Gilberd, Pile Company Limited. Piling methods. 3,842,609, 10-22-74, Cl. 61-53.600.

Gilberg, Robert C.; Donohue, James P.; and Patel, Ramesh S., to National Cash Register Company, The. Double field code reading system. 3,798,421, 3-19-74, Cl. 235-61.11e.

Gilbert & Barker Manufacturing Company: *See—*
Mesh, Theodore Julius; and Devine, George Thomas, 3,814,934.
Scoville, John Tregay, 3,809,866.

Gilbert, Alfred R.: *See—*
Bostick, Edgar E.; and Gilbert, Alfred R., 3,855,184.

Gilbert and Barker Manufacturing Company: *See—*
Mesh, Theodore, 3,814,146.

Gilbert Associates, Inc.: *See—*
Switzer, George; and Bolez, Carl A., 3,854,896.
Switzer, George W., Jr., 3,854,666.
White, Donald P., 3,838,289.

Gilbert, Barrie, to Tektronix, Inc. Current steering network. 3,823,386, 7-9-74, Cl. 340-172.000.

Gilbert, Bertram C. Space station board game apparatus. 3,806,126, 4-23-74, Cl. 273-134.0gm.

Gilbert, Bertram C. Toy rocket launching system. 3,831,315, 8-27-74, Cl. 46-74.00b.

Gilbert, David Arthur: *See—*
Arnold, Benjamin Harry; Fildes, Robert Anthony; and Gilbert, David Arthur, 3,821,209.

Gilbert, Dixie E., to Phillips Petroleum Company. Rapid heating of parison preforms. 3,787,170, 1-22-74, Cl. 432-5.000.

Gilbert, Dixie E., to Phillips Petroleum Company. Closing mold halves on stretched portion of individual parison preform at orientation temperature. 3,801,690, 4-2-74, Cl. 264-99.000.
Gilbert, Dixie E., to Phillips Petroleum Company. Sealing open end parisons. 3,803,280, 4-9-74, Cl. 264-89.000.
Gilbert, Dixie E., to Philips Petroleum Company. Method of sealing and blow molding tubular parisons utilizing alternate projections in a sealing member. 3,821,345, 6-28-74, Cl. 264-98.000.
Gilbert, Edward O.; and Gilbert, Elmer G., to Reliance Electric Company. Predictive drive control. 3,783,974, 1-8-74, Cl. 187-29.00r.
Gilbert, Elmer G.: *See*—
Gilbert, Edward O.; and Gilbert, Elmer G., 3,783,974.
Gilbert Engineering Company, Inc.: *See*—
Hayward, Robert D.; Chapman, James E.; and Ray, Stanley R., 3,845,454.
Hayward, Robert D.; and Chapman, James E., 3,847,463.
Gilbert, Everett E.: *See*—
Siele, Victor I.; and Gilbert, Everett E., 3,849,414.
Gilbert, Frederick W., to Riley-Beaird Inc. Evaporator fabricated from pre-formed sheets. 3,856,630, 12-24-74, Cl. 202-173.000.
Gilbert, Gustav Magnusson: *See*—
Grasvoll, Halvor, 3,853,218.
Gilbert, Harold James; and Holt, Malcolm Robert, to Wickman Machine Tool Sales Limited. Mechanism for positioning a rotatable spindle at a predetermined angular setting. 3,824,884, 7-23-74, Cl. 82-30.000.
Gilbert, Harold James. Multi-spindle automatic lathes. 3,845,677, 11-5-74, Cl. 82-29.00r.
Gilbert, Henry S., to Bolton-Emerson, Inc. Novel disc refiner and method. 3,815,834, 6-11-74, Cl. 241-28.000.
Gilbert, Horace E.: *See*—
Abney, Dave L.; Williams, Robert C.; and Gilbert, Horace E., 3,818,986.
Gilbert, Howard E. Adjustable frame. 3,823,499, 7-16-74, Cl. 40-155.000.
Gilbert, Jack A.; and Franklyn, Stanley, to Container Company of New York. Method for manufacturing corrugated angle members. 3,784,430, 1-8-74, Cl. 156-200.000.
Gilbert, Jack J.; and Kinneman, William P., Jr., to Brick It Corporation. Method for molding simulated brick and mold therefor. 3,795,721, 3-5-74, Cl. 264-42.000.
Gilbert, John B.: *See*—
Henry, H. Clarke; Gilbert, John B.; and Sosnowski, John, 3,788,972.
Henry, H. Clarke; and Gilbert, John B., 3,806,445.
Gilbert, John J.: *See*—
Archibald, William R.; and Gilbert, John J., 3,797,590.
Miscovich, John A.; and Gilbert, John J., 3,799,614.
Gilbert, John W.; and Panagrossi, Ahmed, to International Paper Company, mesne. Retention catheter. 3,812,860, 5-28-74, Cl. 128-349.00b.
Gilbert, Kenneth E., to United States of America, Army. Etching of aluminum fluidic devices. 3,824,136, 7-16-74, Cl. 156-8.000.
Gilbert, L. Eldean: *See*—
Paulson, William T.; Davidson, David M.; Gilbert, L. Eldean; Gabbard, Henry; and Bemus, Richard D., 3,850,729.
Gilbert, Lee N., to United States of America, Navy. Two position liquid flow control valve. 3,809,127, 5-7-74, Cl. 138-44.000.
Gilbert, Lloyd H. Bottle valve. 3,782,610, 1-1-74, Cl. 222-484.000.
Gilbert, Lyman Francis, to Combustion Engineering, Inc. Automatic bed level control for furnaces. 3,847,092, 11-12-74, Cl. 110-7.00r.
Gilbert, Lynford W.: *See*—
Rushing, Frank C.; Gilbert, Lynford W.; and Williams, Norman P., 3,843,238.
Gilbert, Paul, to Lever Brothers Company. Weight quality control determination. 3,814,195, 6-4-74, Cl. 177-1.000.
Gilbert, Richard, to Stanley Tools Limited. Folding blade pocket knives. 3,829,967, 8-20-74, Cl. 30-157.000.
Gilbert, Richard L.: *See*—
Bonafino, Edward J.; Gilbert, Richard L.; and Mako, John, 3,828,669.
Gilbert, Richard Lyman; and Hryck, Michael David, to International Business Machines Corporation. Print density control. 3,834,306, 9-10-74, Cl. 101-93.00c.
Gilbert, Richard Lyman; Hryck, Michael David; and Mako, John, to International Business Machines Corporation. Print hammer registration control. 3,842,736, 10-22-74, Cl. 101-93.140.
Gilbert, Robert E., to General Motors Corporation. Shift indicator arrangement. 3,805,733, 4-23-74, Cl. 116-124.00r.
Gilbert, Robert E., to General Motors Corporation. Method of assembling shift indicator arrangement. 3,831,260, 8-27-74, Cl. 29-434.000.
Gilbert, Ronald Albert; Petrie, James Alexander; and Bracey, Kenneth Edward George, to Rolls-Royce (1971) Limited. Epicyclic gear train. 3,808,913, 5-7-74, Cl. 74-801.000.
Gilbert, Ronald Albert, to Rolls-Royce (1971) Limited. Turbine casing for a gas turbine engine. 3,824,031, 7-16-74, Cl. 415-135.000.
Gilbert, Ronald E.: *See*—
Clampitt, Bert H.; Gilbert, Ronald E.; and Jones, Joseph W., Jr., 3,796,695.
Gilbert, Ronald E.; Jones, Joseph W., Jr.; and Henry, Raymond M., to Gulf Research & Development Company. Ethylene-acrylic acid polymers having improved optical characteristics. 3,814,737, 6-4-74, Cl. 260-80.730.
Gilbert, Ronald Edward; and Monley, Richard Leo, Jr., to Gulf Research & Development Company. Sandpaper. 3,813,231, 5-28-74, Cl. 51-298.000.
Gilbert, Roswell W., to Technical Management Services, Inc. Transformer for direct and/or alternating currents. 3,786,338, 1-15-74, Cl. 323-48.000.
Gilbert, Roswell W., to RFL Industries, Inc. Stabilized alternating current source. 3,835,418, 9-10-74, Cl. 331-141.000.
Gilbert, Seymour G.: *See*—
Cummin, Alfred S.; Daun, Henryk; Gilbert, Seymour G.; and Henig, Yair, 3,795,749.
Summin, Alfred S.; Daun, Henryk; Gilbert, Seymour G.; and Henig, Yair, 3,804,961.
Vieth, Wolf R.; Wang, Shaw S.; Gilbert, Seymour G.; and Venkatasubramanian, Kalyanasundram, 3,809,613.
Wieth, Wolf R.; Wang, Shaw S.; and Gilbert, Seymour G., 3,843,446.
Gilbert, Seymour George: *See*—
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Gilbert, Stephen J. Hose coupling with captive retaining ring. 3,838,873, 10-1-74, Cl. 285-174.000.
Gilbert, Stephen Lee: *See*—
Ettenberg, Michael; and Gilbert, Stephen Lee, 3,846,165.
Gilbert, Verne E.: *See*—
Gilbert, Verne E.; and Silverman, Arnold B. (said Silverman assor. to said), 3,826,717.
Gilbert, Verne E.; and Silverman, Arnold B., said Silverman assor. to said Gilbert, Verne E. Quantitative antibiotic test container. 3,826,717, 7-30-74, Cl. 195-103.50r.
Gilbert, William A.; and Wedding, Leon E. Angular rise flotation gear. 3,851,348, 12-3-74, Cl. 9-8.00r.
Gilbert, William Henry, to British Screw Company, Limited, The, mesne. Powder actuated devices. 3,804,314, 4-16-74, Cl. 227-10.000.
Gilberto, Matthew J., to Chicago Hydraulics Inc. Recycling method and apparatus. 3,817,458, 6-18-74, Cl. 241-20.000.
Gilbertson, Gilbert, to Fritzsche Dodge & Olcott Inc. Synergistic compositions of pharmaceutically active substances. 3,812,263, 5-21-74, Cl. 424-282.000.
Gilbertson, William J.: *See*—
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Gilbo, Charles F.: *See*—
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Gilbreath, Dennis R.; and Kralstein, Sheldon D., to United Aircraft Corporation. Vector angle computer. 3,792,246, 2-12-74, Cl. 235-186.000.
Gilbreth Company: *See*—
Laessig, John, 3,808,702.
Spiegel, Jacob; and Miller, Albert R. (said Miller assor. to), 3,829,348.
Gilbreth International Corporation, mesne: *See*—
Irish, Edwin M., Jr., 3,844,861.
Gilch, Heinrich: *See*—
Michael, Dietrich; Gilch, Heinrich; and Hechelhammer, Wilhelm, 3,849,154.
Gilcher, Heinz, to Westinghouse Electric Corporation. Intrusion detection system. 3,846,780, 11-5-74, Cl. 340-261.000.
Gilchrist, Allan E., to SCM Corporation. Apparatus for the treatment of liquors using porous deposition electrodes. 3,798,150, 3-19-74, Cl. 204-272.000.
Gilchrist, James E.: *See*—
Campbell, Jeptha E.; and Gilchrist, James E., 3,799,844.
Gilchrist, James L., to Continental Oil Company. Method for determining formation parameters. 3,812,353, 5-21-74, Cl. 250-258.000.
Gilchrist, Ralph E.; and Cox, Jack C., to Tenneco Oil Company. Method for the control of oils floating on water. 3,821,109, 6-28-74, Cl. 210-36.000.
Gilchrist, Robert F.: *See*—
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Gildemeister, Donald, to NL Industries, Inc. Metal baseball bat. 3,801,098, 4-2-74, Cl. 273-72.00a.
Gildersleeve, William E. Automatic metal protecting apparatus and method. 3,827,854, 8-6-74, Cl. 432-19.000.
Gildner, Kenneth J., to Milton, Roy, Company. Pulse dampener. 3,782,709, 1-1-74, Cl. 267-114.000.
Gildone, Anthony M.: *See*—
Martin, Richard E.; Gildone, Anthony M.; and Frankfurt, Sandor, 3,822,716.
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Giles, Grady E.: *See*—

Kitterman, Richard E.; and Giles, Grady E., 3,813,525.
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Giles, Lloyd, 20% to Lee, Raymond, Organization, Inc., The. Foot comfort producing apparatus. 3,821,951, 7-2-74, Cl. 128-66.000.
Giles, Ronald L.; and Wetherell, Daniel L., to General Electric Company. Control system for an electrical power line. 3,852,532, 12-3-74, Cl. 179-2.00r.
Giles, Walter B., to General Electric Company. Cyclone incinerator. 3,855,951, 12-24-74, Cl. 110-8.00r.
Giles, William H., to Van Buren Industries, Inc. Wrapping apparatus with rotary horizontal lift. 3,789,576, 2-5-74, Cl. 53-234.000.
Gilfillan, Michael. Device in loop form having sides with relatively swivelable pivotable and slidable members. 3,815,280, 6-11-74, Cl. 46-1.00r.
Gilfillan, William C.; and Spector, Saul R., to East Coast Equipment Corporation. Load body with load compacting and ejecting blade. 3,815,764, 6-11-74, Cl. 214-82.000.
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Gilford, Saul R.; Freeman, Gary M.; and Bauman, John H., to Gilford Instrument Laboratories Inc. Cardiac output measuring method and apparatus. 3,820,530, 6-28-74, Cl. 128-2.05f.
Gilgen, Hans. Garden installation. 3,820,280, 6-28-74, Cl. 47-38.000.
Gilhaus, Heinz; and Villiers, Maxence. Planing instrument for calloused skin. 3,797,505, 3-19-74, Cl. 132-76.400.
Gilhooley, William A.: *See*—
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Gili, Ricardo Aguirre, to Flamagas, S.A. Automatic ashtray. 3,791,548, 2-12-74, Cl. 220-20.500.
Giliberty, Richard P. Prosthetic hip joint. 3,813,699, 6-4-74, Cl. 3-1.000.
Gilinson, Philip J., Jr., to Massachusetts Institute of Technology. Capacitive-inductive bridge type electrical suspension. 3,823,990, 7-16-74, Cl. 308-10.000.
Gill, Devinder S.: *See*—
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Gill, Edward William; Vincent, Derek Arthur; and Peace, John, to Moore Business Forms, Inc. Web handling apparatus. 3,857,557, 12-31-74, Cl. 270-52.500.
Gill, John Patrick, to Hydrotile Machinery Company. Concrete pipe machine with triangular frame. 3,829,268, 8-13-74, Cl. 425-262.000.
Gill, Peter John, to G.K.N. Screws & Fasteners Limited. Power tool. 3,783,955, 1-8-74, Cl. 173-50.000.
Gill, Peter John; and O'Donnell, Dennis Joseph, to GKN Screws & Fasteners Limited. Load-indicating means for a nut and bolt assembly. 3,789,726, 2-5-74, Cl. 85-62.000.
Gill, Raymond E.; and McMahon, Floyd J., to Westinghouse Air Brake Company. Position sensing apparatus. 3,831,024, 8-20-74, Cl. 250-229.000.
Gill, Robert A.: *See*—
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Gill, Robert E., 1/2 to Snyder, Harry A. Joint combination actuated and key actuated padlock. 3,823,584, 7-16-74, Cl. 70-21.000.
Gill, Ronald Yaxley; and Cook, William George, to International Standard Electric Corporation. Loading apparatus for a cable stranding machine. 3,804,271, 4-16-74, Cl. 214-16.40r.
Gill, Thomas R.; and Bailly, Daniel, to GS Equipment Company. Programmable hydraulic drive system for transporting articles. 3,851,766, 12-3-74, Cl. 212-20.000.
Gill, Vincent A., to Unican Security Systems, Ltd. Pick resistant lock. 3,783,660, 1-8-74, Cl. 70-363.000.
Gill, Walter J.; and Mellenger, James A., to Avantek, Inc. Asynchronous quadriphase communications system and method. 3,809,817, 5-7-74, Cl. 179-15.0bs.
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Gillan, John; and Kershaw, Robert William, to Balm Paints Limited. Process of preparing vesiculated cross-linked polyester resin granules. 3,822,224, 7-2-74, Cl. 260-2.05n.
Gillan, John; Lubbock, Frederick John; and Polgar, Livia, to Dulux Australia Ltd. Autoxidizable maleic adducts of fatty acid esters of dipentaerythritol and tripentaerythritol. 3,830,763, 8-20-74, Cl. 260-22.00r.
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Gillemot, George W.: *See*—
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Thompson, John T.; and Gillemot, George W., 3,787,795.
Thompson, John T.; and Gillemot, George W., 3,798,349.
Thompson, John T.; and Gillemot, George W., 3,798,585.
Thompson, John T.; and Gillemot, George W., 3,806,630.
Thompson, John T.; and Gillemot, George W., 3,822,784.
Gillemot, George W.; and Thompson, John T. Sealing grommet and plug for use with electrical cabling. 3,827,704, 8-6-74, Cl. 277-209.000.
Gillen, Richard S.: *See*—
Craggs, Donald E.; Gillen, Richard S.; and Lipman, Stephen C., 3,833,060.
Gillen, William P. Coordinate table. 3,801,090, 4-2-74, Cl. 269-60.000.
Gilleo, Kenneth B.; Jones, Edward S.; and Tajkowski, Edward G., to Allied Chemical Corporation. Sulfur substituted bis(polyfluoroalkoxyalkyl carboxylic acids) and derivatives thereof. 3,828,098, 8-6-74, Cl. 260-481.00r.
Giller, Solomon Aronovich; Lazdinsh, Arvid Avgustovich; Veinberg, Artur Karlovich; Sniker, Dagnia Yanovna; Knunyants, Ivan Ljudvigovich; German, Lev Solomonovich; and Kazmina, Natalya Borisovna. Method of producing 5-fluorouracil. 3,846,429, 11-5-74, Cl. 20-260.000.
Gilles, Auguste, to Worms Engineering. Ship having self-supporting spherical tanks particularly for the transport of fluids at low temperatures. 3,839,981, 10-8-74, Cl. 114-74.00a.
Gilles, Helmut: *See*—
Ertl, Dietrich; Eishold, Horst-Gunter; Gilles, Helmut; Schmolling, Gunther; Steuernagel, Walter; and Nitz, Jurgen, 3,783,589.
Gilles, Helmut; Gupner, Otto; and Haselmayer, Karl, to Metallgesellschaft Aktiengesellschaft. Fluid Distributor. 3,831,350, 8-27-74, Cl. 55-128.000.
Gilles, Horst: *See*—
Riedel, Rudolf; Zelder, Felix; and Gilles, Horst, 3,789,889.
Gilles, Martin; and Thiel, Anton, to Clouth Gummiwerke AG. Apparatus for manufacturing conveyor belts with steel cable inserts. 3,793,118, 2-19-74, Cl. 156-436.000.
Gilles, Roger; and Nougarede, Francis, to Entreprise de Recherches et d'Activites Petrolieres (Elf). Slider-type assembly device. 3,790,993, 2-12-74, Cl. 24-201.00c.
Gilles, Theodore C., to Lennox Industries, Inc. Air conditioning apparatus. 3,841,393, 10-15-74, Cl. 165-22.000.
Gillespie Corporation: *See*—
Sibley, Louis F., 3,785,541.
Sibley, Louis F., 3,785,688.
Gillespie, George W.: *See*—
Maxwell, Richard F., Jr.; Coyle, Forrest E.; and Gillespie, George W., 3,852,546.
Gillespie, Gerald W.: *See*—
Blumenthal, Stanley P.; Krasnick, Solomon; and Gillespie, Gerald W., 3,792,437.
Gillespie, Richard Lee: *See*—
Fetty, Warren Newton; Knerr, Richard Parke; Gillespie, Richard Lee; and Bettencourt, Pierre Andre, 3,848,808.
Gillespie, Robert M., to Sortex Company of North America, Inc. Controlling article topping and orientation detecting. 3,845,703, 11-5-74, Cl. 99-491.000.
Gillespie, Robert M., to Sortex Company of North America, Inc. Meat processing. 3,851,074, 11-26-74, Cl. 426-231.000.
Gillespie, Sidney L., to Woodward Governor Company. Manifold pressure controller fuel limiter. 3,814,072, 6-4-74, Cl. 123-179.001.
Gillessen, Dieter; Rudinger, Josef; and Studer, Rolf, to Hoffmann-La Roche Inc. [Ile^3, Leu^4] -Vesopressin analogs and intermediates. 3,816,385, 6-11-74, Cl. 260-112.500.
Gillet, Claude: *See*—
Buu-Hoi, Nguyen Phuc; Lambelin, Georges; and Gillet, Claude, 3,824,277.
Gillet, Heinrich, KG, Firma: *See*—
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Gillet, Paul, GmbH: *See*—
Frietzsche, Gunter; and Krause, Peter, 3,854,888.
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Gillet, Roger, to Societe Generale de Constructions Electriques et Mecaniques (alsthom). Rotor poles for cryo-alternators. 3,821,568, 6-28-74, Cl. 310-54.000.
Gillete Company, The: *See*—
Crotty, James M.; Geary, Daniel C.; Levy, Edward F.; Lopiekes, Dolores V.; Raymond, Robert L.; and Siegal, Bernard, 3,833,720.
Gillette, Charles L.: *See*—
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Corbett, John Frank; and Fooks, Allen G., 3,856,788.
Dorion, Francis W., Jr.; Nissen, Warren I.; and Pomfret, Edward E., 3,786,563.
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Dorion, Francis W., Jr.; Douglass, Paul W.; Nissen, Warren I.; and Perry, Roger L., 3,842,499.

Fischbein, Irwin W.; Alexander, Ben H.; and Sastri, Aiyaswami S., 3,829,969.
Fischer, Ernest John, 3,818,600.
Hutson, Dwight D.; and Rader, Charles A., 3,838,084.
Hyland, Francis B.; and Mackiernan, Angus W., 3,801,203.
Jeronimus, Patrick R., 3,799,332.
Krochock, David Arthur; and Laiderman, Donald David, 3,790,664.
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Sokol, Phillip Edward; and Tsai, Hu-Chu, 3,836,326.
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Webster, Milo E., 3,854,862.
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Gillette, Deighton D., to Iowa State University Research Foundation, Inc. System for exchanging blood ultrafiltrate. 3,788,319, 1-29-74, Cl. 128-214.00b.

Gillette, Robert H., to Micromatic Industries, Inc. Honing tool. 3,810,333, 5-14-74, Cl. 51-338.000.

Gillette, Robert H. Honing tool. 3,822,515, 7-9-74, Cl. 51-204.000.

Gillette, Robert Paul. Pulverizer with satellite spacer assembly. 3,790,095, 2-5-74, Cl. 241-103.000.

Gillette, Roger B.: *See—*
Fraser, Sheila J.; Gillette, Roger B.; and Olson, Richard L., 3,851,436.

Gillette, Timothy C.: *See—*
Chertok, Allan; and Gillette, Timothy C., 3,821,705.

Gillette, Timothy C., to Concord Computing Corporation. Touch-tone signal generation system. 3,824,484, 7-16-74, Cl. 331-48.000.

Gillette, William H.; McGandless, William J. C.; and Negersmith, Kent M., to Technicon Instruments Corporation. Method and apparatus for supplying samples for automated analysis. 3,795,149, 3-5-74, Cl. 73-423.00a.

Gilley, Charles W., deceased (by Gilley, Martha R.; executrix). Low profile coal mining apparatus. 3,827,754, 8-6-74, Cl. 299-30.000.

Gilley, Martha R.: *See—*
Gilley, Charles W., deceased, 3,827,754.

Gillham, Lewis W. Anti-skid tire cover. 3,807,473, 4-30-74, Cl. 152-190.000.

Gillham, Richard D.: *See—*
Guffey, John W.; and Gillham, Richard D., 3,824,692.

Gillham, Ronald F.; and Wiers, Ward W., to General Motors Corporation. Ambient temperature regulated choke. 3,789,814, 2-5-74, Cl. 123-119.00f.

Gilli, Paul Viktor: *See—*
Beckmann, Georg; and Gilli, Paul Viktor, 3,818,698.

Gilli, Paul Viktor, to Waagner-Biro A.G. Thermal power plants and methods for operating the same. 3,803,836, 4-16-74, Cl. 60-698.000.

Gilli, Paul Viktor, to Waagner-Biro A.G. Power plant and method for generating peak power therein. 3,818,697, 6-25-74, Cl. 60-94.00a.

Gilliam, Calvin D.: *See—*
Tubis, Manuel; Cohen, Marvin B.; and Gilliam, Calvin D., 3,845,202.

Gilliam, Clarence W., to United States of America, Navy. Chemical lighting device having interlocking ampoules. 3,813,534, 5-28-74, Cl. 240-2.250.

Gilliam, Howard E., Sr., to Chemprene, Inc. Stackable sealing mechanism. 3,833,228, 9-3-74, Cl. 277-205.000.

Gilliam, Howard E., Sr., to Chemprene, Inc. Combination rotary and reciprocating unitary sealing mechanism. 3,854,737, 12-17-74, Cl. 277-205.000.

Gilliam, Scott W., to Container Corporation of America. Method of packaging grouped articles. 3,792,562, 2-19-74, Cl. 53-30.000.

Gilliatt, Charles L., to Raytheon Company. Dielectric heating apparatus. 3,823,293, 7-9-74, Cl. 219-10.410.

Gilliatt, Charles L., to Raytheon Company. Microwave heating apparatus. 3,849,623, 11-19-74, Cl. 219-10.550.

Gillice, Leland O., to Alpha-O Corporation. System for etching ceramic surfaces and the like. 3,847,688, 11-12-74, Cl. 156-2.000.

Gillies, George A., to Shell Oil Company. Hydrogenated block copolymers and process for preparing same. 3,792,127, 2-12-74, Cl. 260-880.00b.

Gillies, George Marshall: *See—*
Littlechild, James Edgar; and Gillies, George Marshall, 3,845,193.

Gillies, Georges Marshall; and Littlechild, James Edgar, to United Kingdom Atomic Energy Authority. Rotary kilns. 3,834,173, 9-10-74, Cl. 62-46.000.

Gillig, Frederick S.; Smolka, Frank R.; and Trembly, Lynn D., to Marathon Oil Company. Graphic determination of interval velocity. 3,813,784, 6-4-74, Cl. 33-1.0hh.

Gilligan, William H., to United States of America, Navy. N-Substituted N,N-bis(2-fluoro-2,2-dinitroethyl amines. 3,845,104, 10-29-74, Cl. 260-482.00r.

Gilligan, William H., to United States of America, Navy. Nitrated and/or fluorinated ethyl amino acetic acids and esters thereof. 3,845,105, 10-29-74, Cl. 260-482.00r.

Gilligan, William H.; and Adolph, Horst G., to United States of America, Navy. Nitro substituted acrylic acid amides. 3,846,493, 11-5-74, Cl. 260-561.00n.

Gilligan, William H.; and Kamblet, Mortimer J., to United States of America, Navy. Synthesis of N,N-bis(2-fluoro-2,2-dinitroethyl) carbamates. 3,850,978, 11-26-74, Cl. 260-482.00c.

Gillilan, James E.: *See—*
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Gilliland, Michael L., to Ametek, Inc. Multi-function centrifugal blower unit. 3,790,300, 2-5-74, Cl. 415-219.000.

Gilliland, William J. Holder for handled tools to be sharpened. 3,812,740, 5-28-74, Cl. 76-82.000.

Gillings, Barrie R. D. Fluoride impregnated dental floss. 3,830,246, 8-20-74, Cl. 132-89.000.

Gillings, Richard William: *See—*
Chattaway, Keith; Gillings, Richard William; and Austin, Philip, 3,833,028.

Gilliom, John W., to Tappan Company, The. Balanced self-cleaning oven. 3,806,700, 4-23-74, Cl. 219-413.000.

Gillis, Marina N.; and Mazzeo, Michael P., to Thiokol Chemical Corporation. Non-discoloring thermosetting polyurethane lacquer. 3,813,361, 5-28-74, Cl. 260-29.2tw.

Gillman Industries, Inc.: *See—*
Ziegler, Arnold H.; and Schweitzer, George J., 3,812,800.

Gillman, Leland M.; and Stark, Robert E., to Gates Rubber Company, The. Composition separator with membrane extension. 3,787,240, 1-22-74, Cl. 136-30.000.

Gillot, Jacques; and Lux, Benno, to Battelle Memorial Institute. Method of increasing the adhesion of a metal body surface to rubber. 3,809,635, 5-7-74, Cl. 204-192.000.

Gillotti, Peter A. Coil spring winding device. 3,802,300, 4-9-74, Cl. 81-7.500.

Gillstrap, Peter M. Means for suspending cables from mine roof. 3,785,598, 1-15-74, Cl. 248-58.000.

Gilman, Clarence R., to United States of America, Interior. Photomechanical apparatus for manipulating image form. 3,794,420, 2-26-74, Cl. 355-78.000.

Gilman, Frederick C., to Worthington Pump International, Inc. Stream filament mixer for pipe flow. 3,827,461, 8-6-74, Cl. 138-39.000.

Gilman, Harold: *See—*
Stein, Theodore W.; Gilman, Harold; and Bobeck, Richard L., 3,849,451.

Gilman, Martin J. Football training sled. 3,804,410, 4-16-74, Cl. 273-55.00r.

Gilman, Paul B.: *See—*
Collier, Susan S.; and Gilman, Paul B., 3,796,577.

Gilman, Paul B., Jr.: *See—*
Brooker, Leslie G. S.; and Gilman, Paul B., Jr., 3,796,579.

Gilman, Paul B., Jr.; and Kaukeinen, Joseph Y., to Eastman Kodak Company. Latent electrostatic image forms a developable image in a silver salt. 3,784,375, 1-8-74, Cl. 96-1.00r.

Gilman, Paul B., Jr.; and Haefner, John A., to Eastman Kodak Company. Photographic elements comprising complexes of titanium dioxide and an organic ligand. 3,788,853, 1-29-74, Cl. 96-69.000.

Gilman, Paul Brewster, Jr.; Raleigh, Ronald George; and Merrigan, Joseph Andrew, to Eastman Kodak Company. Silver halide photographic compositions and processes for obtaining positive images. 3,854,949, 12-17-74, Cl. 96-76.00r.

Gilman, Robert W., to California Pellet Mill Company. Quick-change die and roller assembly. 3,825,387, 7-23-74, Cl. 425-182.000.

Gilman, Robert W., to California Pellet Mill Company. Deflector and impeller combination. 3,826,475, 7-30-74, Cl. 259-14.000.

Gilman, Winthrop W. Machine for conditioning waste material for recycling. 3,827,347, 8-6-74, Cl. 100-8.000.

Gilman, Winthrop W. Machine for conditioning waste material for recycling. 3,827,349, 8-6-74, Cl. 100-98.00r.

Gilman, Winthrop W. Machine for conditioning waste material for recycling. 3,827,350, 8-6-74, Cl. 100-52.000.

Gilmartin, Earl J., Jr.; Allen, Alfred E., Jr.; and Meeder, Donald R. Process of producing a chunked cheese flavored product. 3,814,825, 64-74, Cl. 426-361.000.

Gilmer, Thomas P., Jr.: *See—*
Comstock, George E.; and Gilmer, Thomas P., Jr., 3,854,124.

Gilmer, Thomas P., Jr., to Lectrosonics, Inc. Carrying case for PA system with stowed lectern. 3,848,944, 11-19-74, Cl. 312-314.000.

Gilmont, Roger, to Gilmont, Roger, Instruments Inc. Micrometric dispenser with calibration means. 3,815,785, 6-11-74, Cl. 222-46.000.

Gilmont, Roger, Instruments Inc.: *See—*
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Gilmore, Charles G., to FMC Corporation. Anti-crease friction weld strapping tool. 3,799,835, 3-26-74, Cl. 156-580.000.

Gilmore, Gregory Jay: *See—*
Fazzina, Thomas Laurence; McSweeney, Daniel Robert; and Gilmore, Gregory Jay, 3,852,501.

Gilmore, John J.: *See—*
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Gilmore, Merwin W.; and Chaffee, Robert C., to Gilmore-Tatge Manufacturing Co., Inc. Grain cleaning device. 3,833,118, 9-3-74, Cl. 209-28.000.

Gilmore, Oscar P., to Collins, S. J. Four-high roll casting machine. 3,817,317, 6-18-74, Cl. 164-277.000.

Gilmore, Ralph W. Gravity-buoyancy motor. 3,857,242, 12-31-74, Cl. 60-495.000.

Gilmore, Richard A.: *See—*
Foley, Dennis J.; and Gilmore, Richard A., 3,832,679.

Gilmore, Samuel E.: *See—*
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Gilmore, Thomas P.: *See—*
Geiersbach, Allois F.; and Gilmore, Thomas P., 3,849,719.
Ringland, William L.; Neumann, Manfred E.; Kaeser, Ernst K.; Gilmore, Thomas P.; and Geiersbach, Allois F., 3,845,372.

Gilmore, Thomas P., to Allis-Chalmers Corporation. D.C. to D.C. converter. 3,792,337, 2-12-74, Cl. 321-2.000.

Gilmore, Thomas P.; Ringland, William L.; and Geiersbach, Allois F., to Allis-Chalmers Corporation. Group blanking control for cycloconverter. 3,832,624, 8-27-74, Cl. 321-66.000.

Gilmore, William J., to American Chain & Cable Company, Inc. Safety belt system. 3,785,701, 1-15-74, Cl. 297-385.000.

Gilmore, William J., to American Chain & Cable Company, Inc. Safety belt system. 3,831,370, 8-27-74, Cl. 57-145.000.

Gilmore-Tatge Manufacturing Co., Inc.: *See—*
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Gilmour, Alexander Scott, Jr.: *See—*
Rait, Joseph M.; Gilmour, Alexander Scott, Jr.; and Sellers, Edward C., 3,804,511.

Gilpatrick, Louis O., to United States of America, Atomic Energy Commission. Synthesis of sodium hydroxytrifluoroborate. 3,809,762, 5-7-74, Cl. 423-277.000.

Gilpin, Jo Ann; and Emmons, Albert H., to Dow Chemical Company, The. Improved synthesis of dimethyl carbonate. 3,803,201, 4-9-74, Cl. 260-463.000.

Gilpin, William Cecil; Bown, Barry; and Hedley, Christopher Stelling, to Steetley (Mfg) Limited. Lime composition for basic oxygen steel-making process. 3,857,698, 12-31-74, Cl. 75-24.000.

Gilreath, Arnold A., to Uniroyal Inc. Pneumatic tire. 3,841,373, 10-15-74, Cl. 152-209.00b.

Gilsdorf, Richard C.; and Tout, Stanley D., to Bell & Howell Company. Picture display apparatus. 3,844,647, 10-29-74, Cl. 353-101.000.

Gilson Bros. Co.: *See—*
Price, Warren H.; and Hochwitz, Lynn E., 3,813,954.

Gilson, John L.; and Strachan, Gail L., to Dick, A. B., Company. Water emulsion paste stencil ink. 3,823,020, 7-9-74, Cl. 106-30.000.

Gilson, Paul R. Bistable flow control valve. 3,845,777, 11-5-74, Cl. 137-119.000

Gilson, Robert E.: *See—*
Gilson, Warren E.; and Gilson, Robert E., 3,827,305.

Gilson, Warren E.: *See—*
D'Autry, Eric Marteau, 3,827,304.

Gilson, Warren E.; and Gilson, Robert E. Adjustable pipette. 3,827,305, 8-6-74, Cl. 73-426.500.

Gilster, Kenneth W.: *See—*
Porter, James M.; Loweth, Carl V.; and Gilster, Kenneth W., 3,848,430.

Gilster, William James. Wheeled carrier for sailing vessel. 3,857,128, 12-31-74, Cl. 9-1.00t.

Giltzow, James Hunter: *See—*
Bosland, James M.; and Giltzow, James Hunter, 3,807,770.

Giltzow, James Hunter; and Bosland, James M., to Ketcham & McDougall, Inc. Compass. 3,805,400, 4-23-74, Cl. 33-364.000.

Gimeneazara, Isidro. Device for practicing gymnastics. 3,857,563, 12-31-74, Cl. 272-58.000.

Gimenez, Fernando Sanz. Compass ballpoint pen. 3,797,117, 3-19-74, Cl. 33-27.00b.

Gimenez, German Artigas, to Saint-Gobain Industries. Apparatus for homogenization of molten glass and additives. 3,811,861, 5-21-74, Cl. 65-179.000.

Ginaven, Marvin E., to Beuer Bros. Co., The. Hopper type separating and classifying device. 3,794,164, 2-26-74, Cl. 209-243.000.

Ginaven, Marvin E., to Bauer Bros. Co., The. Thin waterfall separating ad screening apparatus. 3,815,740, 6-11-74, Cl. 209-264.000.

Ginder, William F., Jr. Fluid logic systems, diaphragm valve and parts therefore. 3,851,851, 12-3-74, Cl. 251-25.000.

Gindroz, Francis H., Jr., to Task Corporation. Load accelerating and decelerating pulley means. 3,853,205, 12-10-74, Cl. 187-27.000.

Gindrup, Wayne; and Siegmund, Alfred J., Jr., to Napko Corporation. Rapid curing powdered coating composition. 3,819,564, 6-25-74, Cl. 260-37.0ep.

Giner, Jose: *See—*
Taylor, Alwyn H.; Giner, Jose; and Goebel, Franz, 3,819,412.

Gingello, Anthony D.: *See—*
Terwilliger, James P.; Gingello, Anthony D.; and Tinney, John R., 3,827,888.

Gingerich, Leo L.: *See—*
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Gingher, George C., Jr., to Bethlehem Steel Corporation. Automatic tracking control for looping tower. 3,841,545, 10-15-74, Cl. 226-1.000.

Gingras, Claude A.: *See—*
Beaudoin, Yvon; and Gingras, Claude A., 3,788,167.

Ginn, Arthur H., to International Packings Corporation. High pressure seal. 3,848,881, 11-19-74, Cl. 277-181.000.

Ginn, David W.: *See—*
Ott, Owen J.; and Ginn, David W., 3,816,799.
Ott, Owen J.; Ginn, David W.; and Miller, Lester F., Jr., 3,825,936.

Ginn, Leroy Dry; and Ginn, Leroyce Sloe, to Universal Pneumatic Controls Inc. Multi port flow controller. 3,806,027, 4-23-74, Cl. 236-49.000.

Ginn, Leroyce Sloe: *See—*
Ginn, Leroy Dry; and Ginn, Leroyce Sloe, 3,806,027

Ginn, Martin E.: *See—*
Junkin, James H.; Ginn, Martin E.; and Fronczak, Ernest T., 3,855,170.

Ginnasi, Alessandro: *See—*
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Ginners Incorporated: *See—*
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Ginns, Haskell, to Indikon Company, Inc., The. Self calibrating strain gage torquemeter. 3,797,305, 3-19-74, Cl. 73-136.00a.

Ginsa General Inventors Sociedad Anonima: *See—*
Piccioli, Dino; and Schmid, Christian, 3,830,899

Ginsberg, Guenter: *See—*
Figueroa, David Richard; and Ginsberg, Guenter, 3,854,879

Ginsberg, Leon, to Precision Electronic Components (1971) Ltd. Electrical safety control circuit. 3,793,533, 2-19-74, Cl. 307-113.000.

Ginsberg, Marvin D.: *See—*
Golding, Leonard S.; Garlow, Ronald K.; Ginsberg, Marvin D.; Maillet, Wilfred G.; Kaul, Pradman P.; and Heiges, Melville L., Jr., 3,795,763.

Ginsburgh, Irwin: *See—*
Husa, Howard W.; and Ginsburgh, Irwin, 3,783,911.
Keller, Billy D.; Ginsburgh, Irwin; and Wright, Lawrence T., 3,822,583.
Rhodes, Joseph C.; and Ginsburgh, Irwin, 3,800,768

Ginsburgh, Irwin; and Cotter, James B., to Standard Oil Company. Vapor recovery system and components therefor. 3,807,465, 4-30-74, Cl. 141-285.000.

Ginsburgh, Irwin, to Standard Oil Company. Data receiving storing and imprinting apparatus. 3,837,570, 9-24-74, Cl. 235-61.90r.

Ginter, Earle F.: *See—*
Davis, Francis E., Jr.; Derr, Walter R.; and Ginter, Earle F., 3,835,063.

Ginter, Thomas O.: *See—*
Nowak, Robert M.; and Ginter, Thomas O., 3,857,812

Ginther, Albert W. Apparatus for storing and disposing of grass clippings. 3,831,864, 8-27-74, Cl. 239-665.000.

Ginzel, Severin: *See—*
Silbereisen, Hermann; Winterberg, Felix; and Ginzel, Severin, 3,788,787.

Giocomo, James Donald; and Grosso, Harry Anthony, to American Can Company. Pressure relief system for an aerosol container. 3,786,967, 1-22-74, Cl. 222-397.000.

Gioia, Gaspare L.; Switzer, Norris H., and Willerton, John K., to Omnionics, Inc. Hydraulic mechanism. 3,844,508, 10-29-74, Cl. 244-43.000.

Gioia, Louis M.; Ellsworth, Charles; and Webb, James L. Balanced maze game apparatus. 3,829,096, 8-13-74, Cl. 273-110.000.

Giolitti, Nicolo; Bovio, Michele, and Dalmasso, Claudio, to Olivetti, Ing., C., & C., S.p.A. Electric keyboards for office machines. 3,826,882, 7-30-74, Cl. 200-5.00a.

Giolitti, Nicolo; and Bovio, Michele, to Olivetti, Ing., C., & C., S.p.A. Nonlimport printing device for electronic calculators. 3,826,915, 7-30-74, Cl. 346-74.00e.
Gion, Leon, to Ceraver. Hearth for a furnace for the thermal treatment of products supported by a gas cushion. 3,792,960, 2-19-74, Cl. 432-58.000.
Giono-Barber, Paulette, born Crouy-Sur-Ourcq, Michel: *See—*
Thuillier, Yvonne; and Giono-Barber, Paulette, born Crouy-Sur-Ourcq, Michel, 3,809,750.
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Giordano, Jean Louis; and Touchard, Jacques, to Regie Nationale des Usines Renault and Automobiles Peugeot. Trim correctors for motor vehicles. 3,799,570, 3-26-74, Cl. 280-124.00f.
Giordano, Jean-Louis; and Lietard, Michel, to Regie Nationale des Usines Renault and Automobiles Peugeot. Combined braking and trim-correction devices for road vehicles. 3,827,764, 8-6-74, Cl. 303-22.00r.
Giordano, Jean-Louis, to Regie Nationale des Usines Renault and Automobiles Peugeot. Three-way solenoid valves. 3,856,260, 12-24-74, Cl. 251-129.000.
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Giordmaine, Joseph Anthony; and Kleinman, David Allmond, to Bell Telephone Laboratories, Incorporated. Electrooptic grating for scanning a beam of light. 3,787,111, 1-22-74, Cl. 350-160.00r.
Giorgi, Jean Claude, to Fines Lille-Cail. Rotary tubular crusher. 3,811,624, 5-21-74, Cl. 241-176.000.
Giorgi, Lewis A. Color correcting process. 3,849,153, 11-19-74, Cl. 117-2.00r.
Giorgi, Lewis A. Method of making an embossed tridimensional photograph by a dry process. 3,856,592, 12-24-74, Cl. 156-59.000.
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delle Porta, Paolo; Giorgi, Tiziano; Kindl, Bruno; and Zucchinelli, Mario, 3,813,266.
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Giori, Francis A.; and Topolski, Alvin S., to Medtronic, Inc. Mechanical pulse generator for cardiac pacer. 3,826,265, 7-30-74, Cl. 128-419.00p.
Giori, Francis A.; and Topolski, Alvin S., to Electro Sciences for Medicine, Inc. Epiurethral valve. 3,854,469, 12-17-74, Cl. 128-1.00r.
Giori, Francis A.; and Ditusa, Anthony J., to Electro Sciences for Medicine, Inc. Pulse comparator. 3,854,472, 12-17-74, Cl. 128-2.06a.
Giori, Gualtiero, to De La Rue Giori S.A. Wiping cylinder of steel engraving printing machine and method of making it. 3,785,286, 1-15-74, Cl. 101-155.000.
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Giotti, Alberto; and Sicuteri, Federigo. Method for activating blood fibrinolysis by administration of a salt of 2-amino-ethanesulphonic acid. 3,790,672, 2-5-74, Cl. 424-248.000.
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Giovannozzi, Frank V., to Stacker System, Inc. Pressurized mortar pot apparatus. 3,843,026, 10-22-74, Cl. 222-389.000.
Gipson, Robert Malone; Yeakey, Ernest Leon; and Peppel, William Jennings, to Jefferson Chemical Company, Inc. 2,2-Dialkylepoxides. 3,835,166, 9-10-74, Cl. 260-348.00r.
Giraitis, Albert P.: *See—*
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Girard, Andre; and Laurent, Jean, to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Method and device for estimating a gaseous component. 3,849,005, 11-19-74, Cl. 356-201.000.
Girard, Francois: *See—*
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Girard, Lucien; and Hard, Robert A., to Kennecott Copper Corporation. Stimulation of production well for in situ metal mining. 3,841,705, 10-15-74, Cl. 299-4.000.
Girard, Marc M.; and Martin, Daniel M., to Institut de Recherches de la Siderurgie Francaise. Method to regulate feeding of bulk material. 3,834,473, 9-10-74, Cl. 177-1.000.
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Girard, Peter F., to Teledyne Ryan Aeronauticals. Viol rotor wing drone aircraft. 3,794,273, 2-26-74, Cl. 244-7.00a.
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Girard, Rene Fernand Victor; and Gidon, Marie-Claire, to Societe Industrielle Bull-General Electric (Societe Anonyme). Process for treating substrates in order to reduce the magnetic angular dispersion of thin ferromagnetic films deposited on such substrats. 3,788,897, 1-29-74, Cl. 117-236.000.
Girard, Rene Fernand Victor; and Le Guillerm, Jacques, to Societe Industrielle Honeywell Bull. Process and apparatus for obtaining wire for magnetic memories. 3,799,804, 3-26-74, Cl. 117-231.000.
Girard, Rheal. Mold for casting test samples. 3,815,851, 6-11-74, Cl. 249-121.000.
Girard, Robert R., to ACF Industries, Incorporated. Universal draft pocket arrangement. 3,810,552, 5-14-74, Cl. 213-8.000.
Girard, Robert R., to ACF Industries, Incorporated. Container lock. 3,815,516, 6-11-74, Cl. 105-366.00c. .
Girardi, Vincent J., to Babcock & Wilcox Company, The. Transfer device. 3,785,509, 1-15-74, Cl. 214-8.50h.
Girardi, Vincent J., to Babcock & Wilcox Company, The. Broaching machine. 3,855,901, 12-24-74, Cl. 90-78.000.
Giraud, Abel, to Gideco. Machine for manufacturing pancakes and other similar products. 3,814,006, 6-4-74, Cl. 99-423.000.
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Girden, Barney B. Rebound board for table handball. 3,814,422, 6-4-74, Cl. 273-30.000.
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Girest, George G. Reflectorized sleeves. 3,837,007, 9-24-74, Cl. 2-93.000.
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Girguis, Sobhy Labib, to Uni-Cardan A.G. Protective housing for constant velocity universal joints. 3,798,927, 3-26-74, Cl. 64-32.00f.

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Givens, Wyatt W., to Mobil Oil Corporation. Method for providing a natural gamma-ray log in conjunction with assay operations within a borehole. 3,825,753, 7-23-74, Cl. 250-265.000.
Givens, Wyatt W., to Mobil Oil Corporation. Logging technique for assaying for uranium in rock formations. 3,828,189, 8-6-74, Cl. 250-253.000.
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Glabe, Elmer F., to Food Technology, Inc. Process of reducing shrinkage and retaining moisture and juices in meat products and products produced thereby. 3,792,173, 2-12-74, Cl. 426-92.000.
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, to Food Technology, Inc. Solidified product from high fructose corn syrup and process. 3,833,413, 9-3-74, Cl. 127-29.000.
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, to Food Technology, Inc. Thin film drying of sorghum syrup with addition of soy protein. 3,843,820, 10-22-74, Cl. 426-378.000.
Glabe, Elmer F.; Anderson, Perry W.; and Laftsidis, Stergios, to Food Technology, Inc. Thin film drying of molasses with addition of soy protein. 3,843,821, 10-22-74, Cl. 426-378.000.
Glaberson, Martin, to Warner-Lambert Company. Razor with adjustable blade cartridge. 3,816,912, 6-18-74, Cl. 30-47.000.
Glachet, Charles: *See—*
Germond, Jean-Claude; Glachet, Charles; and Guilbaud, Jean-Pierre, 3,790,002.
Glachet, Charles; Guilbaud, Jean-Pierre; and Vertut, Jean, to Commissariat a l'Energie Atomique. Remote manipulator. 3,817,403, 6-18-74, Cl. 214-1.0cm.
Glacier, Incorporated: *See—*
Devlin, Edward J., 3,840,153.
Glacier Industries, Inc.: *See—*
Wight, Edward M., 3,822,623.
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Glad, Thomas J.; and Schmidt, Willfred G., to Aerojet-General Corporation. Tire inflator. 3,833,041, 9-3-74, Cl. 152-347.000.
Gladbach, Bergisch: *See—*
Asselborn, Peter; Cramer, Werner; Gladbach, Bergisch; and Mullejans, Heinrich, 3,785,189.
Gladding, Edward Karcher, to Du Pont de Nemours, E. I., and Company. Thermoplastic elastomeric compositions. 3,817,893, 6-18-74, Cl. 260-28.5av.
Glader, James. Electrical outlet box. 3,814,834, 6-4-74, Cl. 174-57.000.
Gladic, Radisko S., to International Harvester Company. Power booster. 3,792,641, 2-19-74, Cl. 91-372.000.
Gladish, James O.: *See—*
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Gladnick, Ronald C., to Compass Holding Corporation. Boat alignment apparatus for attachment to boat trailer. 3,837,509, 9-24-74, Cl. 214-84.000.
Gladrow, Elroy M., to Esso Research and Engineering Company. Hydrocarbon conversion with catalyst mixture of X and Y zeolites. 3,804,747, 4-16-74, Cl. 208-120.000.
Gladrow, Elroy M., to Esso Research and Engineering Company. Process for preparing cracking catalysts having improved regeneration properties. 3,823,092, 7-9-74, Cl. 252-455.00z.
Gladrow, Elroy N.; and Kimberlin, Charles N., Jr., to Esso Research and Engineering Company. Catalytic cracking process. 3,793,192, 2-19-74, Cl. 208-70.000.
Gladstein, Alan. Support structure for a receptacle or the like. 3,854,242, 12-17-74, Cl. 47-35.000.
Gladstone, Robert, to Olympus Optical Co., Ltd. Accelerometer 3,815,427, 6-11-74, Cl. 73-493.000.
Gladwin, Floyd R. Apparatus for milling large radius curves. 3,800,660, 4-2-74, Cl. 90-13.00r.

Gladwin, Floyd R. Compactor cabinet shield. 3,824,920, 7-23-74, Cl. 100-53.000.
Gladych, Jan Mieczyslaw Zygmunt; and Hussey, Clive Wilfred Theodore, to Allen & Hanburys Limited. Novel azetidinones and their use to inhibit lactamase enzymes that destroy β-lactam antibiotics. 3,816,408, 6-11-74, Cl. 260-239.00a.
Glaesener, Ernest; Schleimer, Francois; Wagner, Fernand; Goedert, Ferdinand; Bauer, Alex; and Mousel, Robert, to ARBED-Acieries Reunies de Burbach-Eich-Dudelange. Production of steel with a controlled phosphorus content. 3,782,921, 1-1-74, Cl. 75-51.000.
Glaesener, Ernest, to ARBED-Acieries Reunies de Burbach-Eich-Dudelange. Guard-rail assembly with pivotal support posts. 3,784,167, 1-8-74, Cl. 256-13.100.
Glaeser, John L.; Weisert, Wilson G., Jr.; and Cunningham, Gerald R., to Esso Production Research Company. Motion decoupled skimmer for removing oil from the surface of calm or disturbed water. 3,830,370, 8-20-74, Cl. 210-242.000.
Glaister, Frank J.; Simpson, Verne G.; and De Zuba, George P., to General Electric Company. Heat curable polysiloxane compositions containing fibers. 3,814,722, 6-4-74, Cl. 160-37.0sb.
Glamkowski, Edward J.; Strupczewski, Joseph T.; and Wolf, Erhard H., to American Hoechst Corporation. N-phenyl-N'-dialkylphosphinylalkyl-piperazines. 3,804,836, 4-16-74, Cl. 260-268.00k.
Glance, Patrick M., to Ford Motor Company. Structure for a motor vehicle. 3,811,698, 5-21-74, Cl. 280-106.00r.
Glance, Patrick M., to Ford Motor Company. Energy absorbing dash structure. 3,831,705, 8-27-74, Cl. 180-90.000.
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Glander, Fritz; and Eilhardt, Bernd, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Copper-polymer layer bonded articles. 3,806,358, 4-23-74, Cl. 117-132.00c.
Glander, Fritz O.; Rager, Horst; and Eilhardt, Bernd, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Extensible helically coiled electrical leads. 3,854,002, 12-10-74, Cl. 174-69.000.
Glantz, Hershey. Auxiliary reservoir for fluid in a hydraulic brake system. 3,825,042, 7-23-74, Cl. 141-95.000.
Glanville, Lewis Malcolm; and Dunkley, Anthony F. M., to International Synthetic Rubber Company Limited, The. Adhesive composition. 3,819,552, 6-25-74, Cl. 260-27.0bb.
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Glaros, Theodore J.; Hron, Roland L.; and Pribyl, George E., to Cir-Tech, Inc. Camera structure. 3,816,842, 6-11-74, Cl. 354-171.000.
Glasa, Stefan. Ink Cartridge for tubular writing pen. 3,788,754, 1-29-74, Cl. 401-135.000.
Glasbrenner, Max: *See—*
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Glascock, Homer H., Jr.; and Webster, Harold F., to General Electric Company. High temperature photoelectric gas multiplication ultraviolet ray sensor. 3,793,552, 2-19-74, Cl. 313-101.000.
Glaser, David; and Levine, Joel M., to Burroughs Corporation. Gas panel display apparatus. 3,824,582, 7-16-74, Cl. 340-336.000.
Glaser, David, to Burroughs Corporation. Display panel for displaying numbers and words. 3,839,656, 10-1-74, Cl. 313-514.000.
Glaser, David; and Kupsky, George A., to Burroughs Corporation. Display panel with raster scanning means. 3,846,669, 11-5-74, Cl. 315-169.00r.
Glaser, Donald A., to Widde-Glaser, Inc. Expandable roll core shaft unit. 3,823,892, 7-16-74, Cl. 242-72.000.
Glaser, Hans-Joachim, to Flachglas Aktiengesellschaft Delog-Detag. Heating member. 3,811,934, 5-21-74, Cl. 117-212.000.
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Glaser, Rudolf; Schmidtchen, Juergen; and Bauer, Peter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Molding compositions having improved environmental stress-crack resistance and low-temperature impact strength. 3,796,775, 3-12-74, Cl. 260-897.00.
Glaser, Rudolf; Schmidtchen, Juergen; and Bauer, Peter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Molding composition having improved environmental stress-crack resistance and low-temperature impact strength. 3,812,207, 5-21-74, Cl. 260-897.00a
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Glasman, Leon; and Prioux, Jean O. Needle table for padding of pattern fabrics. 3,783,728, 1-8-74, Cl. 83-620.000.
Glaspell, Charles A. Sealed hydraulic reservoir. 3,821,876, 7-2-74, Cl. 55-385.000.
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Glass, Emmett F.; and Young, Robert G., to Sperry Rand Corporation. Baler pickup counter-balancing mechanism and pickup rope lift. 3,798,885, 3-26-74, Cl. 56-364.000.
Glass, Floyd M., to United States of America, Atomic Energy Commission. Magnetic self-latching pressure switch. 3,824,512, 7-16-74, Cl. 335-205.000.
Glass, John P. Rocket and propellant therefor. 3,811,380, 5-21-74, Cl. 102-49.700.
Glass, John P., trading as Cava Industries: *See—*
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Glass, John Richard, to Mobil Oil Corporation. Automatic viscometer with multiple capillary viscometer tube. 3,798,960, 3-26-74, Cl. 73-55.000.
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Breslow, Jeffrey D., 3,837,648.
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Glass, Marvin I.; and Schoenfield, Palmer, to Glass, Marvin, & Associates. Combination preschool toy vehicle and launching station. 3,782,032, 1-1-74, Cl. 46-202.000.

Glass, Marvin I.; and McKay, Robert S., to Glass, Marvin & Associates. Projector and target apparatus including projectile collecting clip which is also a magazine for the projector. 3,787,052, 1-22-74, Cl. 273-101.000.

Glass, Marvin I.; Morrison, Howard J.; and Kaelin, Bette M., to Glass, Marvin, & Associates. Toy vehicle with removable soft body portion. 3,791,662, 2-12-74, Cl. 280-1.100.

Glass, Marvin I.; and Dunn, Kathy A., to Glass, Marvin, & Associates. Game device. 3,795,400, 3-5-74, Cl. 273-1.00r.

Glass, Marvin I.; McKay, Robert; and Breslow, Jeffrey, to Glass, Marvin, & Associates. Toy vehicle launching station. 3,797,164, 3-19-74, Cl. 46-232.000.

Glass, Marvin I.; and Morrison, Howard J., to Marvin Glass & Associates. Random dispensation game. 3,797,831, 3-19-74, Cl. 273-138.00r.

Glass, Marvin I.; Breslow, Jeffrey Dale; and McKay, Robert S., to Glass, Marvin & Associates. Vehicle action toy. 3,799,544, 3-26-74, Cl. 273-86.00h.

Glass, Marvin I.; and Dunn, Kathy A., to Glass, Marvin, & Associates. Rag doll with changeable features. 3,811,220, 5-21-74, Cl. 46-135.000.

Glass, Marvin I.; Breslow, Jeffrey D.; and Jaworski, Eugene, to Glass, Marvin & Associates. Educational figure toy. 3,812,613, 5-28-74, Cl. 46-119.000.

Glass, Marvin I.; Kaelin, Bette M.; and Katzman, Allison W., to Glass, Marvin, & Associates. Fabric decorating kit. 3,834,065, 9-10-74, Cl. 46-1.00r.

Glass, Max E.; Donahue, Stephen F.; and Carlson, Arthur, Jr., to Haver-Lockhart Laboratories, Inc. Injectable adjuvant, method of preparing same and compositions including such adjuvant. 3,790,665, 2-5-74, Cl. 424-81.000.

Glass, William H.; and Bridigum, Robert J., to Westinghouse Air Brake Company. Combined air and hydraulic fluid supply apparatus and control therefor. 3,788,769, 1-29-74, Cl. 417-26.000.

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Glasser, Herman; and Panetta, Patrick F., to Nuclear Associates, Inc. Headrest for a body supporting table. 3,806,110, 4-23-74, Cl. 269-328.000.

Glassey, Stephen F.; Hahn, Allan C.; and Shellenbaum, Dale L., to Caterpillar Tractor Company. Cylinder liner with centering tabs defining coolant passages there-between. 3,800,751, 4-2-74, Cl. 123-44.840.

Glassey, Stephen F., to Caterpillar Tractor Company. Isochronous governor. 3,818,883, 6-25-74, Cl. 123-140.00r.

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Glassman, Jacob A. Electrically conductive covering for shoes. 3,824,714, 7-23-74, Cl. 36-7.10r.

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Glassmeyer, John J., to Pullman Incorporated. Freight bracing apparatus for a freight container and method for assembling same. 3,815,500, 6-11-74, Cl. 105-369.00a.

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Glatthorn, Raymond H., to Westinghouse Electric Corporation. Tube expander. 3,831,413, 8-27-74, Cl. 72-59.000.

Glatti, Flaviano; Guariento, Manlio; and Cerruti, Ugo, to Montecatini Edison S.p.A. Thermoplastic film for controlling plant growth. 3,857,804, 12-31-74, Cl. 260-23.00x.

Glatz, Horst, to Deumu Deutsche Erz-und Metall-Union Gesellschaft mit beschrankter Haftung. Reinforcing element for concrete structures. 3,786,610, 1-22-74, Cl. 52-661.000.

Glatzel, Erhard; Zajadatz, Heinz; and Bertele, Ludwig, to Zeiss-Stiftung, Carl. High power wide-angle lens. 3,833,290, 9-3-74, Cl. 350-214.000.

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Gmuer, Bruno A., to Gebrueder Buehler AG. Silo draining device. 3,828,984, 8-13-74, Cl. 222-196.000.
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Goering, Dan H., 1/2 to Peterson Machine Tool, Inc. Rotary fluid engine. 3,829,257, 8-13-74, Cl. 418-36.000.

Goering, Harlan L.; Eikenberry, John N.; and Koermer, Gerald S., to Wisconsin Alumni Research Foundation. Fluorinated camphor derivatives and europium and praseodymium chelates thereof. 3,789,060, 1-29-74, Cl. 260-429.200.

Goering, Rodney S., to United States of America, National Aeronautics and Space Administration. Open tube guideway for high-speed air-cushioned vehicles. 3,837,285, 9-24-74, Cl. 104-23.0fs.

Goerke, Ariste W., to Owens-Corning Fiberglas Corporation. Shippable dispensing container. 3,799,409, 3-26-74, Cl. 222-561.000.

Goerner, Douglas C.: *See—*
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Goeth, Hanns: *See—*
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Goettelman, William E. Pipe inhaler. 3,815,597, 6-11-74, Cl. 128-196.000.

Goettl, Adam D. Air conditioning apparatus. 3,802,493, 4-9-74, Cl. 165-60.000.

Goettl, Adam D.; and Goettl, Bruce A., to Amory Research and Development Co.; a division of Goettl Enterprises. Fluid containing structure. 3,833,944, 9-10-74, Cl. 4-172.000.

Goettl, Bruce A.: *See—*
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Goettl, John M.: *See—*
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Goettsch, Reijer; and Vos, Herman M. A., to Stamicarbon N.V. Process for the recovery of pure ζ-caprolactam. 3,850,910, 11-26-74, Cl. 260-239.30a.

Goettsch, Walter J., to Harris-Intertype Corporation. Adhesive system. 3,827,395, 8-6-74, Cl. 118-5.000.

Goetz, Albert: *See—*
Schwemmer, Martin; Bors, Hans; and Goetz, Albert, 3,811,834.

Goetz, Frederick J., Jr.; and Kalenda, Edward R., to Motorola, Inc. Door hinge. 3,837,044, 9-24-74, Cl. 16-184.000.

Goetz, Jerry E., to Picker Corporation. X-ray apparatus with improved film cassette clamping and size sensing means. 3,829,698, 8-13-74, Cl. 250-468.000.

Goetz, Joseph A.: *See—*
O'Neal, Cleveland, Jr.; and Goetz, Joseph A., 3,794,603.

Goetz, Lawrence R.: *See—*
Cook, Albert N.; Goetz, Lawrence R.; Manley, Paul A.; and Yelpo, Joseph P., 3,789,783.

Goetz, Lawrence R., to Singer Company, The. Sewing machine handwheel elimination arrangement. 3,804,044, 4-16-74, Cl. 112-220.000.

Goetz, Philip J.; and Solomon, Leon R., to Singer Company, The. Sine-cosine frequency tracker. 3,789,316, 1-29-74, Cl. 331-12.000.

Goetz, Philip J.; and Erk, Kaya, to Singer Company, The. Doppler signal simulator. 3,832,712, 8-27-74, Cl. 343-17.700.

Goetze, Arnold A.: *See—*
Fashfellow, George H.; Fauntleroy, Dort; and Goetze, Arnold A., 3,857,297.

Goetze, Christian: *See—*
Nagel, Erich; Goetze, Christian; Fleck, Adolf; and Dreher, Karl, 3,802,646.

Goetze, Rudolf: *See—*
Wilisch, Jurgen; Goetze, Rudolf; Jaeck, Frank; Nackmayr, Dietrich; Rehberg, Heinz; and Thuy, Hans-Joachim, 3,836,731.

Goetze, Walter: *See—*
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Goetzewerke Friedrich Goetze AG: *See—*
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Goetzinger, Gunther R.: *See—*
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Gof, Mohammed S. Water bike. 3,791,332, 2-12-74, Cl. 115-27.000.

Goff, Cecil N.: *See—*
Hedbawny, Edward J.; Holston, Aubrey G.; Goff, Cecil N.; and Holston, Aubrey G., 3,842,770.

Goff, Frank M.: *See—*
Borchert, Alfred E.; Goff, Frank M.; and Miron, Jerry, 3,810,871.

Goff, Howard G. Faller bar construction. 3,824,651, 7-23-74, Cl. 19-129.00r.

Goff, James R., to Nelson, Robert T. Apparatus for treatment of vertically disposed surfaces. 3,788,010, 1-29-74, Cl. 51-9.000.

Goff, McKinley; and Crum, Donald, to Middletown Manufacturing Co., Inc., mesne. Recliner with vertically movable headrest. 3,836,197, 9-17-74, Cl. 297-391.000.

Goff, Otis Ward. Motor-driven press and actuating means therefor. 3,797,385, 3-19-74, Cl. 100-232.000.

Goff, Otis Ward. Multiple motion press. 3,802,246, 4-9-74, Cl. 72-381.000.

Goff, Raymon L.; and Rau, Jim L., to TRW Inc. Power steering system with auxiliary power capability. 3,834,278, 9-10-74, Cl. 91-413.000.

Goff, Richard E., Jr.: *See—*
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Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Guay, Normand D., 3,788,366.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Priestley, Joseph A., 3,813,698.
Campbell, Roger G., Sr.; Goff, Richard E., Jr.; and Guay, Normand D., 3,842,438.
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Goff, Thurman E. Honeycomb foundation installing device. 3,783,460, 1-8-74, Cl. 6-10.000.

Goffe, Charles A.; Henn, Richard W.; and Swift, Paul F., to Eastman Kodak Company. Photographic element and process of developing. 3,816,136, 6-11-74, Cl. 96-66.00r.

Goffe, Frederick William Frank: *See—*
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Goffe, William L.: *See—*
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Sankus, Joseph G., Jr.; Amidon, Alan B.; and Goffe, William L., 3,839,031.

Goffe, William L., to Xerox Corporation. Photoelectrophoretic imaging method including at least one electrode carrying a pattern. 3,787,206, 1-22-74, Cl. 96-1.200.

Goffe, William L., to Xerox Corporation. Removal of background from an imaged migration layer. 3,791,822, 2-12-74, Cl. 96-1.0ps.

Goffe, William L., to Xerox Corporation. Imaging system. 3,801,314, 4-2-74, Cl. 96-1.00r.

Goffe, William L. Envelope opener. 3,824,688, 7-23-74, Cl. 30-294.000.

Goffe, William L., to Xerox Corporation. Imaging method. 3,836,362, 9-17-74, Cl. 96-1.100.

Goffe, William L., to Xerox Corporation. Migration imaging process with uniform exposure before or during the softening step. 3,839,030, 10-1-74, Cl. 96-1.0ps.

Goffinet, Bernard, to Roussel-UCLAF. Derivatives of dinorcholestane and process. 3,801,607, 4-2-74, Cl. 260-397.100.

Goffredo, Onofrio: *See—*
Bernardi, Luigi; De Castiglione, Roberto; Fregnan, Gian Carlo; and Goffredo, Onofrio, 3,792,032.

Gofke, Alfons, to Kieserling, Th. & Albrecht. Cutting tool for peeling machines. 3,815,194, 6-11-74, Cl. 29-96.000.

Goforth, David L. Weedless and anti-snagging fishhook. 3,807,079, 4-30-74, Cl. 43-43.170.

Goforth, David L. Fishhook. 3,813,808, 6-4-74, Cl. 43-43.200.

Gogarty, William B.: *See—*
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Rhudy, John S.; Gogarty, William B.; Knight, Bruce L.; and Fullinwider, James H., 3,850,244.

Gogarty, William B.; and Haws, Gerald W., to Marathon Oil Company. LPG micellar solutions as fracturing fluids. 3,818,993, 6-25-74, Cl. 166-308.000.

Gogarty, William B., to Marathon Oil Company. Use of viscoelastic fluids for mobility control. 3,822,746, 7-9-74, Cl. 166-252.000.

Goggins, Robert B. Veterinary surgical tool for enlarging the pelvic girdle of heifer during parturition. 3,834,393, 9-10-74, Cl. 128-305.000.

Goggins, William B., Jr.: *See—*
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Goglio, Luigi. Apparatus for securing valves on flexible bags and flat sheets convertible into bags. 3,783,080, 1-1-74, Cl. 156-514.000.

Goglio, Luigi. Degassing valve for hermetically sealed flexible containers and a container provided with the valve. 3,799,427, 3-27-74, Cl. 229-62.500.

Gogola, Joseph K.: *See—*
Roteman, Jerome; and Gogola, Joseph K., 3,846,151.

Gogolina, Tatyana Viktorovna: *See—*
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Gohda, Susumu; Higashiyama, Hirokichi; and Nakamura, Katuzi, to Nippon Steel Corporation. Low-alloy high-tensile strength steel. 3,807,990, 4-30-74, Cl. 75-124.000.

Gohde, Hildegard; and Gohde, Wolfgang. Device for automatic counting and measurement of suspended particles. 3,821,644, 6-28-74, Cl. 324-71.0cp.

Gohde, Wolfgang: *See—*
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Goiffon, Thierry; Lehmann, Hans Rudolf; and Schaidl, Hubert, to Ateliers des Charmilles, S.A. Servo feed system for machine tool provided with locking mechanism. 3,815,470, 6-11-74, Cl. 91-41.000.

Goikhburg, Vladimir Kelmanovich; Finikov, Georgy Ivanovich; Svirsky, Viktor Alexandrovich; Shklovsky, Vladimir Yakovlevich; Kuperman, Mikhail Lvovich; Smirnov, Oleg Arkadievich; Fedorov, Adolf Petrovich; Piskarev, Gennady Mikhailovich; Averynov, Lev Illarinovich; Gavrilov, Nikolai Ivanovich; Litvak, Anatoly Efimovich; Khanokh, Petr Moiseevich; Rozenblat, Avram Yakovlevich; and Rannev, Alexandr Vladimirovich. Single-bucket excavator. 3,792,786, 2-19-74, Cl. 214-138.00r.

Goings, Harford E. Collapsible tube dispenser. 3,854,628, 12-17-74, Cl. 222-103.000.

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Goken, Garold L.: *See—*
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Golan, Kenneth F., to Caterpillar Tractor Company. Speed sensitive control system for slipping clutch. 3,822,770, 7-9-74, Cl. 192-103.00f.

Golantsev, Oleg Alexandrovich; Zhdaneev, Vasily Vasilievich; Bocharov, Vladislav Ivanovich; and Bodrov, Evgeny Dmitrievich. Stacking machine. 3,837,140, 9-24-74, Cl. 53-159.000.

Golaski, Frank W.; and Telega, Thomas J., to Westinghouse Electric Corporation. Tap-changing series-multiple transformer system. 3,818,402, 6-18-74, Cl. 336-147.000.

Golay, Bernard, S.A.: *See—*
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Golay, Marcel J. E.; and Waite, Amory H., Jr. Means for the water transport of liquids. 3,805,729, 4-23-74, Cl. 114-235.00b.

Golay, Marcel J. E. Indicia display device. 3,837,102, 9-24-74, Cl. 40-28.00c.

Golban, Eduard Vasilievich: *See—*
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Golbeck, Bernard J.: *See—*
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Golbeck, Bernard J., to Oak Industries Inc. Operator plate common to multiple pushbutton switch operators allowing simultaneous actuation of plural switch assemblies during momentary or interlocking modes of operation. 3,836,736, 9-17-74, Cl. 200-5.00b.

Golbeck, Bernard J.; and Lewandowski, Raymond F., to Oak Industries, Inc. Pushbutton switch with position indicator. 3,845,736, 11-5-74, Cl. 116-124.00r.

Golbert, Peter E.: *See—*
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Golborn, Peter; and Duffy, James J., to Hooker Chemical Corporation. Dialkyl aromatic amidomethyl phosphonates. 3,803,269, 4-9-74, Cl. 260-932.000.

Golborn, Peter, to Hooker Chemical Corporation. Process for imparting flame retardancy to a textile. 3,817,779, 6-18-74, Cl. 117-136.000.

Golborn, Peter; and Duffy, James J., to Hooker Chemical Corporation. N-Phosphonomethyl amides. 3,823,206, 7-9-74, Cl. 260-932.000.

Golborn, Peter, to Hooker Chemical Corporation. Process for acylating dialkylacyl phosphonates. 3,836,609, 9-17-74, Cl. 260-971.000.

Golborn, Peter; and Duffy, James J., to Hooker Chemical Corporation. Imidomethyl phosphonates. 3,849,440, 11-19-74, Cl. 260-326.50a.

Golborn, Peter, to Hooker Chemical Corporation. Process for imparting flame resistance to textile material. 3,854,989, 12-17-74, Cl. 117-136.000.

Golbs, Christian: *See—*
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Golconda Corporation: *See—*
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Gold, Daniel; and Clinton, Geoffrey David, to Crosfield Electronics Limited. Register control systems. 3,783,293, 1-1-74, Cl. 250-548.000.

Gold, David E., to International Business Machines Corporation. Double-head configuration for magnetic disk for maximum density recording. 3,831,191, 8-20-74, Cl. 360-22.000.

Gold, Elijah H., to Schering Corporation. 1-Adamantyl-2-carboxy-azacylic compounds. 3,810,884, 5-14-74, Cl. 260-239.00a.

Gold, Elijah H., to Schering Corporation. 3-Azetidinols. 3,822,252, 7-2-74, Cl. 260-239.00a.

Gold, Elijah H., to Schering Corporation. Method for the treatment of benign prostatic hypertrophy and acne. 3,843,793, 10-22-74, Cl. 424-324.000.

Gold, Elijah H., to Schering Corporation. Substituted imidates. 3,847,988, 11-12-74, Cl. 260-566.00b.

Gold, Gerald: *See—*
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Gold, Kenneth Stewart: *See—*
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Gold Medal, Inc.: *See—*
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Gold, Nicholas. Three-dimensional board game apparatus. 3,791,649, 2-12-74, Cl. 273-131.0ad.

Gold, Nicholas, to Polaroid Corporation. Method for constructing a photographic film assemblage. 3,821,049, 6-28-74, Cl. 156-73.000.

Gold, Nicholas, to Polaroid Corporation. Photographic apparatus. 3,829,871, 8-13-74, Cl. 354-86.000.

Gold, Paul A.: *See—*
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Gold, Ronald J., to Uni-Systems, Inc. Display device and method of merchandising and inventory control. 3,784,027, 1-8-74, Cl. 211-184.000.

Gold, Stephen J. Apparatus for measuring the flow velocity of fluid within a conduit. 3,789,663, 2-5-74, Cl. 73-194.00c.

Golda, Eugene; and Bown, Delos L., to Polychrome Corporation. Light-sensitive composition of a tetra (epoxy-propoxyphenyl)-lower alkane and an initiator. 3,782,952, 1-1-74, Cl. 96-93.000.

Goldacker, Hubert: *See—*
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Goldammer, Georg, to Schubert & Salzer Maschinefabrik. Fiber-mixing device. 3,797,072, 3-19-74, Cl. 19-81.000.

Goldammer, Georg; and Mahrt, Gunter, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Fibrous material mixing apparatus. 3,806,990, 4-30-74, Cl. 19-145.500.

Goldammer, Georg; Grimm, Eberhard; and Egli, Emil, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Gripping means for doffing yarn packages. 3,813,866, 6-4-74, Cl. 357-52.000.

Goldbach, Erika: *See—*
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Goldbach, Henry T.: *See—*
Weinstein, Berel; Goldbach, Henry T.; and Kolby, Mark J., 3,793,504.

Goldbach, Manfred; and Rubszinat, Willy, to Hauni-Werke Korber & Co. KG. Apparatus for applying powder to webs of cigarette paper or the like. 3,820,505, 6-28-74, Cl. 118-118.000.

Goldbach, Wend, to Goldbach, Erika. Driving apparatus, especially for a floating toy. 3,783,552, 1-8-74, Cl. 46-92.000.

Goldbach, William R., to S&C Electric Company. Interval timing system for contacts of circuit switching devices having one or more poles and series resistor modules. 3,803,480, 4-9-74, Cl. 324-28.00r.

Goldbaum, Elliott: *See—*
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Goldberg, Alan. Hold condition indicating reminder. 3,806,665, 4-23-74, Cl. 179-99.000.

Goldberg, Alan. Telephone answering monitoring system and method. 3,806,669, 4-23-74, Cl. 179-175.20c.

Goldberg, Albert I.: *See—*
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Goldberg, Arthur: *See—*
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Goldberg, Carl. Model airplane propeller spinner. 3,822,963, 7-9-74, Cl. 416-245.000.

Goldberg, Edward M.: *See—*
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Goldberg, Edward M.; Bazell, Seymour; and Ostensen, Ralph G., to Medical Products Corporation. Medical prosthesis for ducts or conduits. 3,818,511, 6-25-74, Cl. 3-1.000.

Goldberg, Edward M.; and Bazell, Seymour, to MPC/KurgiSil. T tube. 3,835,863, 9-17-74, Cl. 128-350.00r.

Goldberg, Edwin Allen, to RCA Corporation. Motor speed control system. 3,828,234, 8-6-74, Cl. 318-314.000.

Goldberg, Eugene J.; Kramer, Marvin W.; and Licci, Joseph R. Attachment to hair. 3,809,099, 5-7-74, Cl. 132-53.000.

Goldberg, Eugene P.: *See—*
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Goldberg, Jacob, to United States of America, Navy. Memory and logic module. 3,787,817, 1-22-74, Cl. 340-172.500.

Goldberg, Jacob, to United States Scientific Instruments, Inc. Ringing choke inverter with commutation circuit. 3,842,341, 10-15-74, Cl. 321-45.00c.

Goldberg, Kenneth M. Credit card verifier. 3,823,308, 7-9-74, Cl. 235-61.70b.

Goldberg, Morris: *See—*
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Goldberg, Morton E.: *See—*
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Goldberg, Newton N., to Westinghouse Electric Corporation. Fluidizing bed tank. 3,807,355, 4-30-74, Cl. 118-429.000.

Goldberg, Soley: *See—*
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Goldberger, Arnold, to Video Fax Communications Corporation. Video information storage and retrieval system. 3,803,352, 4-9-74, Cl. 178-6.60a.

Goldblatt, Maxwell; and McInteer, Berthus B., to United States of America, Atomic Energy Commission. Highly enriched multiply labeled stable isotopic compounds as atmospheric tracers. 3,788,814, 1-29-74, Cl. 23-232.00r.

Goldborn, Peter; and Duffy, James J., to Hooker Chemical Corporation. Dialkyl alkyl and cyclic phosphoramidomethyl phosphonates. 3,812,218, 5-21-74, Cl. 260-926.000.

Golde, H. T., GmbH: *See—*
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Golde, H. T., GmbH, Firma: *See—*
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Golde, Karl-Heinz; and Schuler, Ernst. Apparatus for replacing the roller guide sections of the strand guiding assemblies of continuous casting plants. 3,783,934, 1-8-74, Cl. 164-282.000.

Golden, Alvin C. Gaff hook. 3,823,971, 7-16-74, Cl. 294-26.000.

Golden, Clara Celia. Bed cover. 3,824,640, 7-23-74, Cl. 5-334.00c.

Golden Cycle Corporation: *See—*
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Golden, Gerald; Wrobel, Charles V., Jr.; and Dian, Walter, to Beatrice Foods Co., mesne. Method of sealing and mounting reflectors on bicycle pedal treads. 3,843,433, 10-22-74, Cl. 156-73.000.

Golden, Gerald; Wrobel, Charles V., Jr.; and Dian, Walter, to Excel Incorporated. Arcylic reflex reflictor and sealing means therefor. 3,843,474, 10-22-74, Cl. 161-4.000.

Golden House Enterprise Co. Ltd.: *See—*
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Golden, Michael G.: *See—*
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Golden, Norman R. Material handling attachment. 3,786,948, 1-22-74, Cl. 214-130.00c.

Golden, Richard L., to Halcon International, Inc. Preparation and recovery of alkylene glycols. 3,809,724, 5-7-74, Cl. 260-635.00r.

Golden, Steven T.: *See—*
Golden, Steven T.; and Galloway, Robert C. (said Galloway, Robert C., assor. to said), 3,806,006.

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Golden, William R.: *See—*
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Goldenberg, Emmanuel: *See—*
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Goldenberg, Harry, to Dow Chemical Company, The. Determination of glutamic-oxalacetic transaminase. 3,814,669, 6-4-74, Cl. 195-103.50r.

Goldenberg, Marvin M.: *See—*
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Golder, Gerald William: *See—*
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Goldfarb, Adolph E.; and Benkoe, Erwin. Incremental racing game. 3,814,424, 6-4-74, Cl. 273-86.00g.

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Goldfarb, Arthur M.; Litterio, James; and Roth, John H., to Rohm & Haas Company. Yarn entanglement tester. 3,793,883, 2-26-74, Cl. 73-160.000.

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Goldiner, Evgeny Georgievich: *See—*
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Golding, Cyril George; Wiggin, Anthony John; and Beech, Frank, to GKN Sankey Limited. Apparatus for washing and filling containers. 3,831,645, 8-27-74, Cl. 141-92.000.

Golding, David R. V.: *See—*
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Golding, Ivor Sidney Lawrence, to Actric Limited. Apparatus and method for generating protective atmospheres. 3,804,580, 4-16-74, Cl. 432-23.000.

Golding, Leonard S.; Garlow, Ronald K.; Ginsberg, Marvin D.; Maillet, Wilfred G.; Kaul, Pradman P.; and Heiges, Melville L., Jr., to Communications Satellite Corporation. Digital television transmission system. 3,795,763, 3-5-74, Cl. 178-5.600.

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Mazur, Robert H.; Schlatter, James M.; and Goldkamp, Arthur H., 3,803,223.

Goldkuhler, Werner P. Compaction system. 3,805,690, 4-23-74, Cl. 100-35.000.

Goldmacher, Joel E.; and Tayag, Miguelita G., to Optel Corporation. Liquid crystal device. 3,809,456, 5-7-74, Cl. 350-160.0lc.

Goldman, Arnold J.: *See—*
Puckett, Jason N., Jr.; Kurtin, Stephen L.; and Goldman, Arnold J., 3,786,482.

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Goldman, Arthur J.: *See—*
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Goldman, Conrad, to Elpex, Inc. Forming of thermoplastic polymers. 3,846,522, 11-5-74, Cl. 264-25.000.

Goldman, Daniel: *See—*
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Goldman, David A. Record transcriber adaptively responsive to typing activity. 3,829,621, 8-13-74, Cl. 179-100.10r.

Goldman, Gerald M. Electronic anit-theft locking system. 3,782,148, 1-1-74, Cl. 70-278.000.

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Goldman, Gerald Martin: *See—*
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Goldman, Leon: *See—*
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Marsico, Joseph William, Jr.; Tomcufcik, Andrew Stephen; and Goldman, Leon, 3,821,408.

Goldman, Marvin A.; and Goldman, Jerome N., to Penn-Plax Plastics, Inc. Safe underwater lighting system for aquariums. 3,828,176, 8-6-74, Cl. 240-2.01c.

Goldman, Maurice A., to Synagex Corporation. Refining feed unit for a carding machine. 3,790,990, 2-12-74, Cl. 19-105.000.

Goldman, Maurice A., to United Merchants and Manufacturers, Inc. Cotton linter refining process and apparatus. 3,815,178, 6-11-74, Cl. 19-205.000.

Goldman, Richard L., to Philco-Ford Corporation. Guard ring structure for microwave schottky diode. 3,820,235, 6-28-74, Cl. 29-578.000.

Goldman, Robert N. Signal identification system. 3,810,156, 5-7-74, Cl. 340-347.0ad.

Goldman, Samuel C.: *See—*
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Goldman, Stanley M., to Stanley, G. M., & Co., Inc. Stock analyzer. 3,811,521, 5-21-74, Cl. 177-1.000.

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Cook, Thorsten P., 3,821,801.

Goldner, Heinz-Dieter, to Hartmann & Braun Aktiengesellschaft. Rectifier. 3,787,755, 1-22-74, Cl. 321-8.00r.

Goldner, Heinz-Dieter, to Hartmann & Braun Aktiengesellschaft. Measuring instrument. 3,810,014, 5-7-74, Cl. 324-130.000.

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Goldor Topsoe A/S: *See—*
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Goldsberry, Fred L., to Lone Star Gas Company. Volumetric flow meter. 3,808,886, 5-7-74, Cl. 73-264.000.

Goldsberry, Fred L., to Lone Star Gas Company. Constant density regulator. 3,854,663, 12-17-74, Cl. 236-92.00c.

Goldsberry, Ronald E.: *See—*
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Goldsby, Arthur F.; Anand, Satish K.; and Haberl, Frank J., to Martin Marietta Corporation. Monitoring system. 3,858,181, 12-31-74, Cl. 340-150.000.

Goldsby, Arthur R., to Texaco Development Corporation. Utilization of sulfuric acid in alkylation. 3,803,262, 4-9-74, Cl. 260-683.620.

Goldsby, Arthur R., to Texaco Inc. Removal of tertiary olefins from hydrocarbon compositions containing secondary olefins. 3,823,198, 7-9-74, Cl. 260-677.00a.

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Goldschmidt, Alfred, to Chevron Research Company. Reaction products of amines and dithiophosphoric acids or salts. 3,813,336, 5-28-74, Cl. 252-32.70e.

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Goldschmied, Sandor Farkas. Lamp control circuit. 3,803,452, 4-9-74, Cl. 315-210.000.

Goldsmith, Carl E.: *See—*
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Goldsmith, Clifton R., to Phillips Petroleum Company. Process for establishing reactive contact between reactive ingredients. 3,791,980, 2-12-74, Cl. 252-188.30r.

Goldsmith, Herbert: *See—*
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Goldsmith, Hugh Arthur, to British Aircraft Corporation. Door assemblies. 3,832,804, 9-3-74, Cl. 49-13.000.

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Goldstein, Alvin M. Process for preparing colored film overlays. 3,839,040, 10-1-74, Cl. 96-48.00r.

Goldstein, Arthur. Dispenser for C-folded paper towels with hot air dryer. 3,785,523, 1-15-74, Cl. 221-42.000.

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Goldstein, Avram; Leute, Richard K.; and Ullman, Edwin F., to Syva Company. Ligand determination of spin labeled compounds by receptor displacement. 3,853,914, 12-10-74, Cl. 260-326.470.

Goldstein, Bernard: *See*—
Martinelli, Ramon Ubaldo; and Goldstein, Bernard, 3,845,496.

Goldstein, Bernard, to United States of America, Navy. Method for eliminating degradation of crossed-field-amplifier performance. 3,795,432, 3-5-74, Cl. 316-2.000.

Goldstein, David, to FMC Corporation. Phosphoric acid purification. 3,819,810, 6-25-74, Cl. 423-321.000.

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Goldstein, Kenneth W. Detachable carrier for vehicles. 3,796,333, 3-12-74, Cl. 214-450.000.

Goldstein, Lynn; and Bounds, Joe W., to Texel Industries, Inc. Combined bowling pin wiping mechanism, conveyor and pick-up mechanism. 3,794,321, 2-26-74, Cl. 273-54.00r.

Goldstein, Lynn E.: *See*—
Bounds, Joseph W.; Goldstein, Lynn E.; and Willard, Franklin E., 3,796,186.

Goldstein, Mark. Collapsible reel. 3,817,475, 6-18-74, Cl. 242-115.000.

Goldstein, Mihai. Device for mass production garment steaming. 3,815,795, 6611-74, Cl. 223-70.000.

Goldstein, Reuben. Engine ignition test device. 3,806,796, 4-23-74, Cl. 324-17.000.

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Goldstein, Stephen: *See*—
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Goldstein, Theodore P., to Mobil Oil Corporation. Catalytic oxidation of carbonyl compounds. 3,816,522, 6-11-74, Cl. 260-523.00a.

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Goldsworthy, William B.; Karlson, Harald E.; and Hardesty, Ethridge E., 3,810,805.

Goldsworthy, William B.; and Hardesty, Ethridge E., to Goldworthy Engineering Inc. Method and apparatus for making filament reinforced storage vessels. 3,783,060, 1-1-74, Cl. 156-69.000.

Goldsworthy, William B.; and Hardesty, Ethridge E., to Goldsworthy Engineering, Inc., mesne. Apparatus and method for producing plastic reinforced sheet laminates. 3,801,407, 4-2-74, Cl. 156-380.000.

Goldsworthy, William B.; Karlson, Harald E.; and Hardesty, Ethridge E., to Goldsworthy Engineering, Inc., mesne. Geodesic path length compensator for composite-tape placement head. 3,810,805, 5-14-74, Cl. 156-361.000.

Goldsworthy, William Brandt, to Glastrusions, Inc. Augmented curing of reinforced plastic stock. 3,793,108, 2-19-74, Cl. 156-180.000.

Goldworthy Engineering Inc.: *See*—
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Golec, Josef W., to Norprint Limited. Labelling devices. 3,846,221, 11-5-74, Cl. 161-159.000.

Golemba, Frank J.: *See*—
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Golger, James W., to Rexall Drug and Chemical Company. Process for preparation of substituted 3,4-(diphenyl chromans). 3,822,287, 7-2-74, Cl. 260-326.50d.

Golias, Tipton L., to Helena Laboratories Corporation. Microporous support medium. 3,808,118, 4-30-74, Cl. 204-299.000.

Golibersuch, David C., to General Electric Company. Method and apparatus for measuring small aspherical particles. 3,815,022, 6-4-74, Cl. 324-71.0cp.

Golin, Jury Petrovich: *See*—
Kotova, Valentina Georgievna; Akopian, Gretel Artashesovna; Galitsky, Anatoly Ivanovich; Golin, Jury Petrovich; Snezhko, Valery Grigorievich; Kolesnichenko, Leonid Georgievich; Ivanenko, Larisa Akimovna; and Nekrasov, Jury Fedorovich, 3,855,446.

Golitz, Hans D.; deceased (by Golitz, Ingrid Irene Klarchen; heiress); Merten, Rudolf; Noll, Walter; and Simmler, Walter, to Bayer Aktiengesellschaft. Cyclic urea derivatives and process for their manufacture. 3,803,194, 4-9-74, Cl. 260-448.20n.

Golitz, Hans Dietrich: *See*—
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Golland, Wesley A.; Mahoney, Eugene T.; and Minuk, Donald, to Keene Corporation. Coin handling system. 3,843,203, 10-22-74, Cl. 302-2.00r.

Goller, Ernst: *See*—
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Goller, Roman: *See*—
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Goller, William W., to Zeller Corporation, The. Universal joint repair assembly. 3,803,873, 4-16-74, Cl. 64-17.00a.

Gollin & Company, Limited: *See*—
Hickey, Brian James, 3,839,845.

Gollomp, Bernard P., to Bendix Corporation, The. High speed measurement system. 3,812,334, 5-21-74, Cl. 235-151.000.

Gollub, Seymour. Method and system for controlled automated administration of drugs to patients. 3,847,138, 11-12-74, Cl. 128-1.100.

Golnek, Bryan R., Sr.; and Walton, Ronald M., to International Business Machines Corporation. Integrated diagnostic tool. 3,825,901, 7-23-74, Cl. 340-172.500.

Golner, Jerold Julius: *See*—
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Golo, Giichi: *See*—
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Golob, Theodore B.; Hauck, Sylvester J.; and Margerum, Bruce A., to Eaton Yale Ltd. Tree harvesting apparatus and method. 3,838,721, 10-1-74, Cl. 144-3.00d.

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Golomb, David L., to Everlast World Boxing Headquarters Corporation. Baseball base ground fastening device. 3,836,146, 9-17-74, Cl. 273-25.000.

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Golovchenko, Vladimir Vlasovich: *See*—

Paton, Boris Evgennievich; Dudko, Daniil Andreevich; Prokhorenko, Kim Kondratievich; Latash, Jury Vadimovich; Puzrin, Leonid Gustavovich; Voronin, Alexei Efimovich; Bondarenko, Evgeny Stepanovich; Vernik, Alexandr Borisovich; Kamensky, Leonid Alexeevich; Mstovoi, Alexandr Borisovich; Golovchenko, Vladimir Vlasovich; Demidov, Anatoly Vasilievich; Dolbenko, Evgeny Tikhonovich; Filippov, Sergei Mikhailovich; and Dub, Vladimir Semenovich, 3,807,486.

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Golovko, Vladimir Nikolaevich: *See*—
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Golovko, Zoya Ivanovna: *See*—
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Golovoy, Amos: *See*—
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Lorenz, Ewald; Schlink, Wilhelm; Kunzler, Bruno; and Goltermann, Klaus-Dieter, 3,836,266.

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Frenkel, Shiman Tevelievich; Skripko, Gely Fomich; Golub, Georg Froimovich; Prudnikov, Evgeny Leonidovich; and Ganelin, Naum Borisovich, 3,811,520.

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Reynolds, Charles Edward; and Gombar, Eugene Leonard, 3,784,955.

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Gomboc, Franz. Fire escape window. 3,797,167, 3-19-74, Cl. 49-141.000.

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Gomer, William T.: *See*—
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Gomi, Shoshichiro. Grinding diamond wheel, and method of making same. 3,830,020, 8-20-74, Cl. 51-206.00r.

Gomi, Yoshifumi: *See*—
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Gommans, Hubertus Johannes Josephus: *See*—
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Goncharoff, Nikolai, to Motorola, Inc. Volume and tone controls for multichannel audio systems. 3,849,601, 11-19-74, Cl. 179-1.00d.

Goncharov, Boris Konstantinovich: *See—*
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Gondo, Hisashi: *See—*
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Gongolewski, Adolph. Protective cap for a cylindrical tank. 3,820,696, 6-28-74, Cl. 224-45.00p.

Gongwer, Calvin A., to Bendix Corporation, The. Hydrodynamic stabilizing device. 3,793,623, 2-19-74, Cl. 340-85.000.

Gongwer, Calvin A., to Innerspace Corporation. Swimmer propulsion device. 3,802,008, 4-9-74, Cl. 9-301.000.

Gonnam, Russell W.: *See—*
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Gonnella, Carmen J.: *See—*
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Gonnella, Sebastian: *See—*
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Gonner, Winfried, to Bodenseewerk Perkin-Elmer & Co., GmbH. Flow-through sample cells which determine their own fill level. 3,799,683, 3-26-74, Cl. 356-246.000.

Gonon, Marcel P.: *See—*
Chevriot, Roland F.; Le Maux, Gilles R.; and Gonon, Marcel P., 3,857,712.

Gonsalves, John T. Device and method for preventing entrapment of sea mammals. 3,849,927, 11-26-74, Cl. 43-14.000.

Gonsalves, Joseph E. Aerial bomb and optical light beam guidance system therefor. 3,829,047, 8-13-74, Cl. 244-3.160.

Gonser, Donald I., to Dentsply International Inc. Electrosurgical device. 3,804,096, 4-16-74, Cl. 128-303.140.

Gonser, Donald I., to Dentsply International Inc. Passive electrode and clamp therefor. 3,817,253, 6-18-74, Cl. 128-418.000.

Gonsior, Franz, to ITT Industries, Inc. Flow safety valve for liquids. 3,800,827, 4-2-74, Cl. 137-614.200.

Gontowski, Walter S., Jr.: *See—*
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Gontowski, Walter S., Jr., to Sprague Electric Company. Nois immune transistor switch. 3,822,386, 7-2-74, Cl. 307-247.000.

Gonyo, Newell Joseph; and Lower, Kenneth Eugene, to Globe-Union, Inc. Security lid for plating container. 3,782,144, 1-1-74, Cl. 70-164.000.

Gonzales, Adrian, Jr. Self Contained pruning mechanism. 3,854,204, 12-17-74, Cl. 30-228.000.

Gonzales, Carmen R. Carpet hoist. 3,831,791, 8-27-74, Cl. 214-396.000.

Gonzales, J. Tim, to Mallory, P. R., & Co., Inc. Placement robot providing a vertical and horizontal displacement output. 3,857,496, 12-31-74, Cl. 214-1.0bt.

Gonzales, Michael; Benton, Richard H.; and Moore, William G., to Dibble, Leland, Jr. Game having captured marble exposed for digital manipulation. 3,810,630, 5-14-74, Cl. 273-153.00s.

Gonzalez, Cesar Poveda. Mobile anti-glare shield for vehicles. 3,857,630, 12-31-74, Cl. 350-276.00r.

Gonzalez, Hector. Machine for creating and viewing kaleidoscope images. 3,809,879, 5-7-74, Cl. 240-3.100.

Gonzalez, John; and Young, Ronald F., to Lincoln Electric Company, The. Arc welding flux. 3,796,609, 3-12-74, Cl. 148-24.000.

Gonzalez, Oscar Pedro: *See—*
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Gonzalez, Raymond J.: *See—*
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Gonzalez, Robert E.; and Strenglein, Harry G., to Sperry Rand Corporation. Phase front detection system. 3,825,931, 7-23-74, Cl. 343-100.0ap.

Gonzalez-Cuzan, Alfredo. Locking device for a safety grill. 3,843,176, 10-22-74, Cl. 292-218.000.

Gooch, Beverley R.; and Schiller, Edward, to Ampex Corporation. Method of manufacturing a magnetic head. 3,845,550, 11-5-74, Cl. 29-603.000.

Gooch, Beverly R.; and Schiller, Edward, to Ampex Corporation. Magnetic head with protective pockets of glass adjacent the corners of the gap. 3,813,693, 5-28-74, Cl. 360-119.000.

Gooch, Jan W., to Chlortrol, Inc. Waste extraction process. 3,803,290, 4-9-74, Cl. 423-210.000.

Good, Alan E.; and Ward, Delbert R., to Brown & Root, Inc. Method and apparatus for entrenching submerged elongate structures. 3,786,642, 1-22-74, Cl. 61-72.400.

Good, Arthur L.; and Reese, Robert P., to Reese Products, Inc. Sway control device for connection between a trailer and towing vehicles. 3,785,680, 1-15-74, Cl. 280-446.00b.

Good, Arthur L., to Reese Products, Inc. Locking device for securing a pivotal member to one end of an arm member. 3,817,639, 6-18-74, Cl. 403-122.000.

Good, Gene P., 30% to Lee, Raymond, Organization, Inc., The. Automobile theft protector. 3,838,587, 10-1-74, Cl. 70-243.000.

Good, Lewis B., Jr. Portable fire extinguisher. 3,802,511, 4-9-74, Cl. 169-30.000.

Good, Lewis B., Jr. Friction type exercising device. 3,802,701, 4-9-74, Cl. 272-79.00r.

Good, Lewis B., Jr. Power operated portable shear device. 3,837,076, 9-24-74, Cl. 30-180.000.

Good, Paul F., to Speedco, Inc. Knife sharpener. 3,820,289, 6-28-74, Cl. 51-247.000.

Good, Paul F., to Speedco, Inc. Mold for luncheon dough. 3,838,963, 10-1-74, Cl. 425-470.000.

Good, Paul F. Machine for filling luncheon dough into mold cans. 3,845,793, 11-5-74, Cl. 141-67.000.

Good, Paul F., to Speedco, Inc. Bulk-loading apparatus. 3,846,959, 11-12-74, Cl. 53-61.000.

Good, Richard R.; and Uke, Alan K. Protective cap for diver's air tank. 3,809,353, 5-7-74, Cl. 248-346.100.

Good, Robert E., Jr.: *See—*
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Good, Robert J., to Phillips Petroleum Company. Chromatographic apparatus. 3,808,125, 4-30-74, Cl. 210-31.00c.

Good, Thomas W.; and Zbikowski, Theodore H., to Tonka Corporation. Toy vehicle pumper. 3,789,541, 2-5-74, Cl. 46-215.000.

Good, William E.; and Davies, Arthur S., to Kelsey-Hayes Company. Cable welding tool. 3,800,997, 4-2-74, Cl. 228-3.000.

Good, William E.; and Digrasso, Leonard, to Kelsey-Hayes Company. Flash removal mechanism. 3,847,323, 11-12-74, Cl. 228-3.000.

Goodacre, Cecil; and Leggett, Peter Alfred, to Lansing Bagnall Limited. Industrial lift trucks. 3,820,674, 6-28-74, Cl. 214-730.000.

Goodacre, Cecil; and Leggett, Peter Alfred, to Lansing Bagnall Limited. Industrial lift trucks. 3,848,759, 11-19-74, Cl. 214-730.000.

Goodacre, Cecil, to Lansing Bagnall Limited. Industrial pallet and stillage trucks. 3,854,748, 12-17-74, Cl. 280-43.120.

Goodale, Paul E., to E-H Research Laboratories, Inc. Real-time multiplexed digital data recording system for telephone central office AMA recorders. 3,816,663, 6-11-74, Cl. 179-7.0mm.

Goodale, William B., to Ford Motor Company. Hydraulic steering system having auxiliary power source. 3,800,900, 4-2-74, Cl. 180-79.20r.

Goodbar, Reid C.; and Pressley, Arther Mitchell, to Riegel Textile Corporation. Antistatic yarn. 3,828,543, 8-13-74, Cl. 57-140.0by.

Goodbody, Richard L., to United States of America, Navy. Resistive loading technique for antennas. 3,803,615, 4-9-74, Cl. 343-709.000.

Goodchild, Dennis C. Air cushioned lawn mower and grass collector. 3,838,558, 10-1-74, Cl. 56-12.800.

Goodchild, Keith Trevor; and Merrill, Harold Edward, to British Steel Corporation. Cropping metal sections to length. 3,813,973, 6-4-74, Cl. 83-42.000.

Goode, James K., Jr.: *See—*
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Goode, Rexford Fenton. Golf training aids. 3,819,189, 6-25-74, Cl. 273-183.00b.

Goode, William P., to LTV Aerospace Corporation. Guide following steering apparatus. 3,796,165, 3-12-74, Cl. 104-247.000.

Goodell, Frank S.: *See—*
Hosterman, Thomas J.; and Goodell, Frank S., 3,801,051.

Goodell, Gerald W., to Du Pont de Nemours, E. I., and Company. Corrosion resistant primer composition containing zinc borate pigment. 3,829,395, 8-13-74, Cl. 260-22.00a.

Goodell, John B., to Westinghouse Electric Corporation. Apparatus for measuring and controlling annulus diameters of images formed by a pincushion lens. 3,848,970, 11-19-74, Cl. 350-189.000.

Goodenough, Samuel H.: *See—*
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Goodenow, William H.: *See—*
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Goodfellow, Anthony G.: *See—*
Holroyd, Eric; Goodfellow, Anthony G.; and McGlashen, James N., 3,825,457.

Goodfellow, Robert D., to Kennametal, Inc. Stabilizing roller. 3,797,592, 3-19-74, Cl. 175-325.000.

Goodfellow, Robert D.; and Busby, Donald W., to Subterranean Tools Inc. Rolling cutter and seal therefor. 3,804,425, 4-16-74, Cl. 277-92.000.

Goodfellow, Robert D., to Kennametal Inc. Rolling type excavating tool. 3,847,235, 11-12-74, Cl. 175-372.000.

Goodfriend, Roger: *See—*
Antonevich, John N.; and Goodfriend, Roger, 3,830,240.

Goodfriend, Theodore L.: *See—*
Updike, Stuart J.; and Goodfriend, Theodore L., 3,793,445.

Goodhart, Frank; and Campbell, William A., to Warner-Lambert Company. Dissolution testing device. 3,791,222, 2-12-74, Cl. 73-432.00r.

Goodhart, Steven E. Mixing pump. 3,853,431, 12-10-74, Cl. 417-403.000.

Goodhouse, Carl J.; and Strachan, Robert, to Robertshaw Controls Company. Cooking computer means. 3,783,769, 1-8-74, Cl. 99-332.000.

Goodhouse, Carl J., to Robertshaw Controls Company. Cooking computer means. 3,819,112, 6-25-74, Cl. 235-61.00a.

Goodhouse, Carl J.; and Niemand, Emil, to Robertshaw Controls Company. Computer cooking means. 3,837,568, 9-24-74, Cl. 235-61.00a.

Goodin, James J.; and Dowling, Matthew M., to Educational Electronics, Inc. Headset and method of making it. 3,829,624, 8-13-74, Cl. 179-156.00r.

Goodin, Raymon L. Pool cleaning apparatus. 3,805,815, 4-23-74, Cl. 134-167.00r.

Gooding, Chester M.; and Rowley, Horace P., to CPC International Inc. Process for production of peanut oil composition by hydrogenation and winterization. 3,804,867, 4-16-74, Cl. 260-409.000.

Gooding, Raymond Michael: *See—*
Guy, Kenneth Ronald; Powell, Leslie Francis; and Gooding, Raymond Michael, 3,807,898.

Gooding, Trevor Frank John; and Howse, Geoffrey David Stuart, to Electrosil Limited. Method of making an adjustable electrical component. 3,815,225, 6-11-74, Cl. 29-613.000.

Goodinge, Mark Wallinger; and Moss, Norman, to Plessey Handel und Investments A.G. Atomizing devices for liquid fuel. 3,784,105, 1-8-74, Cl. 239-102.000.

Goodinge, Mark Wallinger; and Shephard, Robert, to Plessey Handel und Investments A.G. Swirl passage fuel injection devices. 3,819,116, 6-25-74, Cl. 239-102.000.

Goodkin, Albert R. Anodizing process. 3,804,732, 4-16-74, Cl. 204-58.000.

Goodland, Donald E.: *See—*
Parsons, John T.; and Goodland, Donald E., 3,801,219.

Goodley, George F., to FMC Corporation. Strap dispensing apparatus. 3,826,443, 7-30-74, Cl. 242-105.000.

Goodley, George F., to FMC Corporation. Strapping machine feed control. 3,841,213, 10-15-74, Cl. 100-4.000.

Goodley, George F., to FMC Corporation. Strapping machine feed. 3,847,071, 11-12-74, Cl. 100-32.000.

Goodman, Alan: *See—*
Monteith, William, 3,804,996.

Goodman, Brian L.; Higgins, Robert B.; and Denham, Frank M., to Ecodyne Corporation. Gas diffuser. 3,790,142, 2-5-74, Cl. 261-124.000.

Goodman, Brian L.; Weis, Frank G.; and Mikkelson, Kenneth A., to Ecodyne Corporation. Filtration apparatus. 3,831,755, 8-27-74, Cl. 210-108.000.

Goodman, Daniel J. Water-cooled electric furnace cable. 3,784,722, 1-8-74, Cl. 174-15.00c.

Goodman, Daniel J. Safety-anchored multi-conductor water-cooled electric arc furnace cable. 3,801,724, 4-2-74, Cl. 174-15.00c.

Goodman, David M. Cathode ray tubes with target screens and the manufacture thereof. 3,801,817, 4-2-74, Cl. 250-365.000.

Goodman, David M. High-sensitivity beam-index and heaterless cathode ray tubes. 3,826,867, 7-30-74, Cl. 178-5.40f.

Goodman, David S.: *See—*
Anhalt, John W.; and Goodman, David S., 3,797,107.
Anhalt, John W.; and Goodman, David S., 3,815,077.

Goodman, David S.; and Langenbach, Jack E., to International Telephone and Telegraph Corporation. Printed circuit board connector assembly. 3,853,379, 12-10-74, Cl. 339-75.0mp.

Goodman, David S., to International Telephone and Telegraph Corporation. Electrical connector assembly. 3,854,788, 12-17-74, Cl. 339-176.00m.

Goodman, David S.; and Prow, Harold J., Jr., to International Telephone and Telegraph Corporation. Printed circuit board connector. 3,858,163, 12-31-74, Cl. 339-176.00m.

Goodman, Derek J.; and Farr, Gerald N., to Ingersoll Machine and Tool Company Limited. Resilient joint. 3,783,639, 1-8-74, Cl. 64-27.0nm.

Goodman Equipment Corporation: *See—*
Kamner, Haim J., 3,842,964.
Kamner, Haim J., 3,854,607.

Goodman, Ernest A., to Allis-Chalmers Corporation. Series-multiple transformer having non-integer series-jarallel voltage ratio. 3,845,437, 10-29-74, Cl. 336-147.000.

Goodman, George A.: *See—*
Schneider, Charles; and Goodman, George A., 3,835,697.

Goodman, H., & Sons, Inc.: *See—*
Goodman, Jacob, 3,842,849.

Goodman, Jacob, to Goodman, H., & Sons, Inc. Pony-tail holder. 3,842,849, 10-22-74, Cl. 132-46.00r.

Goodman, James W., Jr. Easily adjustable protective head gear. 3,787,894, 1-29-74, Cl. 2-3.00r.

Goodman, Mallard S. Detachable spiked shoe protective cover. 3,812,603, 5-28-74, Cl. 36-2.5an.

Goodman, Mallard S. Detachable spiked shoe protective cover. 3,827,166, 8-6-74, Cl. 36-2.5an.

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Goodman, Roy S. Jr.; Kirk, Dee Maryon; and Kirk, Harvey D., 3,834,565.

Goodman, Roy S. Jr.; Kirk, Dee Maryon; and Kirk, Harvey D., to Goodman, R. S., Company. Hydraulic loading ramp. 3,834,565, 9-10-74, Cl. 214-85.000.

Goodman, Sheldon. Cushioned curtain for apparel. 3,806,954, 4-30-74, Cl. 2-237.000.

Goodman, Willard B.: *See—*
Guild, Charles L.; and Goodman, Willard B., 3,802,207.
Guild, Charles L.; and Goodman, Willard B., 3,803,854.

Goodman, William R.; and Howard, Kal W., to Stromberg-Carlson Corporation. Key telephone system transfer adapter circuit. 3,794,776, 2-26-74, Cl. 179-99.000.

Goodmark, Inc.: *See—*
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Goodnight, Hershel E.: *See—*
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Zink, John Smith; Reed, Robert D.; and Goodnight, Hershel E., 3,814,567.

Goodnow, Warren H.; Cauvin, Sidney L., Jr.; and Simard, Joseph G. C., to Kaiser Aluminum & Chemical Corporation. Control of an aluminum reduction cell. 3,812,024, 5-21-74, Cl. 204-67.000.

Goodrich, B. F., Company, The: *See—*
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Antlfinger, George J.; and Von Kamp, Harold E., 3,826,669.
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Beears, Warren L., 3,839,274.
Berens, Alan R.; and Paxton, Thomas R., 3,825,434.
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Korolyshun, Russell T.; and Rehnborg, P. Mark, 3,786,676.
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Goodrich, John J., to St. Regis Paper Company. Gusseted pinch bottom breakaway pouch bag. 3,807,626, 4-30-74, Cl. 229-55.000.
Goodrich, Joseph A., to Garrett Corporation, The. Ram fluid turbine. 3,835,641, 9-17-74, Cl. 60-716.000.
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Goodrich, Robert S. Counterfeit document detector. 3,842,281, 10-15-74, Cl. 250-461.000.
Goodrich, Stanley R., Jr., and Roethlisberger, Jerry M., to Dart Industries Inc. Ball joint with manually operable, sensible wear indicator. 3,791,748, 2-12-74, Cl. 403-27.000.
Goodridge, Lawrence Carvin, to General Electric Company. Electrical protective panel assembly. 3,832,604, 8-27-74, Cl. 317-120.000.
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Goodspeed, Raymond F., to Teledyne, Inc.; d/b/a Teledyne Casting. Decorative casting and method of fabrication thereof. 3,847,715, 11-12-74, Cl. 161-7.000.
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Goodwin, Bertram R., and Rotenberg, Don H., to American Optical Corporation. Gasket for lens mold from a blend of EPDM and ethylene/vinyl acetate copolymer. 3,821,333, 6-28-74, Cl. 260-897.00b.
Goodwin, Charles M., to Cities Service Company. Process improvement for the manufacture of trimethyl cyclododecatriene. 3,804,913, 4-16-74, Cl. 260-666.00b.
Goodwin, Charles M. Universal trouble light support. 3,809,883, 5-7-74, Cl. 240-54.00a.
Goodwin, Charles M. Door lock push-button control structure. 3,816,752, 6-11-74, Cl. 307-66.000.
Goodwin, Charles M. Adjustable universal trouble light support. 3,828,181, 8-6-74, Cl. 240-54.00a.
Goodwin, Charles W., to PMCS Company, Inc. Interlocking bucking hinge and ladder combination. 3,848,699, 11-19-74, Cl. 182-163.000.
Goodwin, Edwin C., Jr.; Larkin, Oscar L.; and Erni, Heinrich H., to Allis-Chalmers Corporation. Vacuum switch cam operating mechanism with contact loading compression spring. 3,787,649, 1-22-74, Cl. 200-153.01a.
Goodwin, Edwin C., Jr., to Allis-Chalmers Corporation. Actuating mechanism for contact and blast valve unit. 3,852,548, 12-3-74, Cl. 200-148.00f.
Goodwin, Edwin C., Jr., to Allis-Chalmers Corporation. Plug-in contact and blast valve unit. 3,852,549, 12-3-74, Cl. 200-148.00r.
Goodwin, James: *See—*
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Goodwin, William D., to Athlon Corporation, The. Whole protein shampoo composition. 3,787,337, 1-22-74, Cl. 252-545.000.
Goodwin, William D., to Athlon Corporation, The. Skin conditioning composition. 3,819,825, 6-25-74, Cl. 424-47.000.
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Goransson, Nils Paul, to Saab-Scania Aktiebolag. Velocity flowmeter. 3,788,142, 1-29-74, Cl. 73-230.000.

Goransson, Pehr Gunnar Heine, to Bottneros AB. Wrapping machines. 3,792,565, 2-19-74, Cl. 53-183.000.

Goransson, Rolf Erik, to Internationella Siporex Aktiebolaget. Apparatus for handling, transporting, and cutting of still unhardened cellular lightweight concrete bodies. 3,792,635, 2-19-74, Cl. 83-154.000.

Gorbachev, Gennady Yakovlevich: *See—*
Semchinov, Sergei Nikolaevich; Petrov, Vsevolod Pavlovich; Tabunschikov, Mikhail Yakovlevich; Olkhovsky, Nikolai Alexeevich; Krivosheev, Pavel Ivanovich; Verstov, Viktor Tikhonovich; Klabukov, Alexandr Georgievich; and Gorbachev, Gennady Yakovlevich, 3,806255.

Gorbachev, Leonid Alexeevich: *See—*
Solonitsyn, Rem Alexandrovich; Vjukov, Ivan Elizarovich; Gorbachev, Leonid Alexeevich; Belonogov, Anatoly Mikhailovich; Vorobiev, Gennady Afanasievich; and Efimov, Alexandr Vasilievich, 3,834,982.

Gorbanev, Arkady Alexeevich: *See—*
Borisenko, Gleb Pavlovich; Chernobrivenko, Jury Sergeevich; Kutsov, Jury Georgievich; Gorbanev, Arkady Alexeevich; Kukushkin, Oleg Nikolaevich; Krivobokov, Vladimir Nikolaevich; Pobegailo, Grigory Gavrilovich; and Nashivanko, Vitaly Dmitrievich, 3,828,600.

Gorbatov, Vasily Matveevich: *See—*
Goblik, Vasily Fedorovich; Kotsur, Vasily Grigorievich; Repnyakova, Vera Alexeevna; Melnikova, Lidia Mikhailovna; Kovach, Ljudvig Iosifovich; Gorbatov, Vasily Matveevich; Volovinsky, Valentina Pavlovna; Krylova, Nina Nikolevna; and Lyaskovskaya, Julia Nazaovna, 3,806,609.

Gorbaty, Martin L.; Poetsch, Eike; and Schulte, Karl, to Esso Research and Engineering Company. Barbiturate 3-N-methylchorides. 3,839,335, 10-1-74, Cl. 260-257.000.

Gorbunov, Boris Nikolaevich; Lukashov, Anatoly Ivanovich; Mukhortova, Tamara Ivanovna; and Khardin, Alexandr Pavlovich. Isoprene polymerization inhibitor. 3,787,515, 1-22-74, Cl. 260-681.500.

Gorbunov, Valentin Nikolaevich: *See—*
Sablev, Leonid Pavlovich; Dolotov, Jury Ivanovich; Getman, Leonid Ivanovich; Gorbunov, Valentin Nikolaevich; Goldiner, Evgeny Georgievich; Kirshfeld, Karl Teodorovich; and Usov, Vladislav Vasilievich, 3,783,231.
Sablev, Leonid Pavlovich; Atamansky, Nikolai Petrovich; Gorbunov, Valentin Nikolaevich; Dolotov, Jury Ivanovich; Lutseenko, Vadim Nikolaevich; Lunev, Valentin Mitrofanovich; and Usov, Valdislav Vasilievich, 3,793,179.

Gorchev, Dimiter. Diffuser valve. 3,799,040, 3-26-74, Cl. 98-41.0av.

Gorder, Clarence V. Electrode holder for electric soldering machines. 3,858,023, 12-31-74, Cl. 219-85.000.

Gordhamer, Dale A. Bovine teat dilator and medicament dispenser. 3,821,956, 7-2-74, Cl. 128-343.000.

Gordin, Myron K., to G & L Industries, Inc. Retractible magnet holder. 3,789,336, 1-29-74, Cl. 335-285.000.

Gordini, Silvano; and Now, Sergio, to Snam Progetti, S.p.A. Process for removing the solvent from solutions of gummy polymers. 3,842,052, 10-15-74, Cl. 260-80.780.

Gordon, Alan; and Phelps , Michael W., to United States of America, Navy. Device for solving the sonar equation. 3,857,634, 12-31-74, Cl. 355-18.000.

Gordon, Alfred Kenneth; and Willmott, Kenneth Eardley, to Smiths Industries Limited. Electrical-equipment casings with clamp-on desalination unit. 3,853,475, 12-10-74, Cl. 23-252.00r.

Gordon, Arnold. Scaffold structure. 3,851,729, 12-3-74, Cl. 182-36.000.

Gordon, Arthur E. Broiler and barbecuer. 3,839,050, 10-1-74, Cl. 99-345.000.

Gordon, Bernard M.; and Neumann, Leopold, to Gordon Engineering Company. Series-shunt switching pair, particularly for synchro to digital conversion, DC or AC analog reference multiplying or plural synchro multiplexing. 3,798,636, 3-19-74, Cl. 340-347.0ad.

Gordon, Bernard M., to Gordon Engineering Company. Operational amplifier stabilized power supply. 3,805,145, 4-16-74, Cl. 323-16.000.

Gordon, Bernard M., to Gordon Engineering Company. Charging a capacitor to represent sum and difference voltages. 3,816,803, 6-11-74, Cl. 320-1.000.

Gordon, Bernard M.; Neumann, Leopold; and Kirsch, Ivan H., to Gordon Engineering Company. Compensated voltage-controlled oscillator particularly for analog to digital converters. 3,833,903, 9-3-74, Cl. 340-347.0ad.

Gordon, Carroll G.; and Stoesser, William F. Hydraulic valve with non-round control nozzle. 3,833,017, 9-3-74, Cl. 137-625.620.

Gordon, Claude E. Alarm system. 3,787,831, 1-22-74, Cl. 340-274.000.

Gordon, Claude E. Product vending machine alarm. 3,852,737, 12-3-74, Cl. 340-274.00r.

Gordon, Colin C., to General Motors Corporation. Electronic fuel injection system. 3,824,967, 7-23-74, Cl. 123-32.0ea.

Gordon, David A.: *See—*
Bateman, John; and Gordon, David A., 3,856,752.
Seltzer, Raymond; Gordon, David A.; and Sherman, Paul D., 3,814,719.
Seltzer, Raymond; and Gordon, David A., 3,843,649.
Seltzer, Raymond; and Gordon, David A., 3,846,422.

Gordon, Donald T., to United States of America, Navy. Flotation beam for matting construction. 3,784,312, 1-8-74, Cl. 404-35.000.

Gordon, Douglas, to Briggs & Stratton Corporation. Riding tractor with engine enclosure for noise abatement. 3,796,277, 3-12-74, Cl. 180-54.00a.

Gordon, Douglas M.; and Phimister, Thomas H., to Indian Head, Inc. Brake mechanism. 3,811,365, 5-21-74, Cl. 92-63.000.

Gordon, Earl B. Golf club head. 3,794,328, 2-26-74, Cl. 273-167.00e.

Gordon Engineering Company: *See—*
Gordon, Bernard M.; and Neumann, Leopold, 3,798,636.
Gordon, Bernard M., 3,805,145.
Gordon, Bernard M., 3,816,803.
Gordon, Bernard M.; Neumann, Leopold; and Kirsch, Ivan H., 3,833,903.
Lucas, Paul G., 3,836,847.

Gordon, Frank J.: *See—*
Geyer, Manvel A.; Gordon, Frank J.; Lyman, Richard C.; and Thaxton, Larry W., 3,842,249.

Gordon, Franklin; and Andrews, Dallas Roy, to RCA Corporation. Apparatus for providing individual adjustment of movable multiple transducers in a plural tape cartridge player. 3,821,814, 6-28-74, Cl. 360-106.000.

Gordon, George, to Peabody Engineering Corporation. Bag filter unit. 3,784,019, 1-8-74, Cl. 210-486.000.

Gordon, Harry. Building construction. 3,793,428, 2-19-74, Cl. 264-250.000.

Gordon, Harry E.: *See—*
Caddell, Bobby Gene; and Gordon, Harry E., 3,792,655.

Gordon, Harry W.: *See—*
Schaffner, Carl P.; and Gordon, Harry W., 3,793,448.

Gordon, Harry W., to Schmid Laboratories, Inc., mesne. Method of treating prostatic hypertrophy with levorin. 3,843,785, 10-22-74, Cl. 424-120.000.

Gordon, Harry W.; and Schaffner, Carl P., to Schmid Laboratories, Inc., mesne. Method for treating hypercholesterolemia. 3,855,409, 12-17-74, Cl. 424-121.000.

Gordon, Irving: *See—*
Baranauckas, Charles F.; and Gordon, Irving, 3,801,677.

Gordon, James O.; Cleevely, Bruce T.; and Niemi, William B., to Wheeling Stamping Co. Method for manufacturing unitary, seamless, collapsible thermoplastic tubes. 3,855,380, 12-17-74, Cl. 264-97.000.

Gordon, Jerry D. Automatic breading device. 3,855,965, 12-24-74, Cl. 118-16.000.

Gordon, John. Pipe belling machine. 3,849,052, 11-19-74, Cl. 425-387.000.

Gordon, John Edson: *See—*
Feldman, Martin Louis; Hagedorn, Donald William; and Gordon, John Edson, 3,849,483.

Gordon Johnson Company: *See—*
Scheier, Donald J.; and Haynes, Homer A., 3,802,028.

Gordon Johnson-Stephens Limited: *See—*
Taylor, John, 3,781,945.

Gordon, Larry A.: *See—*
Conger, Marvin T.; Evans, Theodore A.; and Gordon, Larry A., 3,792,000.

Gordon, Mack; and Phillippi, John F., to Aerodyne Development Corporation. Method and apparatus for bag collection of dirt. 3,816,977, 6-18-74, Cl. 55-96.000.

Gordon, Mack; and Phillippi, John F., to Aerodyne Development Corporation. Apparatus for bag collection of dirt. 3,853,508, 12-10-74, Cl. 55-302.000.

Gordon, Manfred; Cowie, John McKenzie Grant; Ready, Bernard William; and Goldsbrough, John. Process and apparatus for determination of spinodal and critical points or loci associated with phase transition. 3,807,865, 4-30-74, Cl. 356-103.000.

Gordon, Maxwell, to Bristol-Myers Company. Sustained release contraceptive composition and method of use. 3,814,809, 6-4-74, Cl. 424-19.000.

Gordon, Merrill K., to Peabody Gordon-Piatt, Inc. Burner control system. 3,797,989, 3-19-74, Cl. 431-90.000.

Gordon, Paul, to Newport Pharmaceuticals, Inc. Inosine derivatives. 3,857,940, 12-31-74, Cl. 424-180.000.

Gordon, Paul C.: *See—*
Scarnato, Thomas J.; Gordon, Paul C.; Sorensen, Robert; and Lawler, Craig M., 3,786,620.

Gordon, Ralph R., to Blake Rivet Company. Automatic bar loader or feeder. 3,802,603, 4-9-74, Cl. 221-251.000.

Gordon, Richard Lee; and Allen, Errol V., to Battelle Memorial Institute. Double discharge, large volume excitation gas laser. 3,842,366, 10-15-74, Cl. 331-94.500.

Gordon, Roay: *See—*
Ferrara, Peter J.; Dalby, Gaston; Barnes, Clarence A., Jr.; and Gordon, Roay, 3,814,698.

Gordon, Robert E., to Monsanto Company. Tank with integral remotely controlled power actuated bottom valve. 3,795,256, 3-5-74, Cl. 137-386.000.

Gordon, Robert E., to Monsanto Company. Tank with integral remotely controlled power actuated bottom valve. 3,823,731, 7-16-74, Cl. 137-395.000.

Gordon, Robert E.; and McNeill, George A., to Monsanto Company. Falling strand devlolatilizer using on preheater with two flash chambers. 3,853,672, 12-10-74, Cl. 159-2.0ms.

Gordon, Robert Louis, to International Paper Company. Case for shipping articles in an upright position and in spaced lateral separation. 3,804,234, 4-16-74, Cl. 206-392.000.

Gordon, Ronnie D.; and Starks, Charles M., to Continental Oil Company. Synthesis of primary alkyl halides. 3,799,999, 3-26-74, Cl. 260-658.00r.

Gordon, Ronnie D., to Continental Oil Company. Process for the addition of bisulfite to unsaturated compounds. 3,806,527, 4-23-74, Cl. 260-400.000.

Gordon, Ronnie D., to Continental Oil Company. Process for increasing selectivity to 1-bromoalkane in the addition of hydrogen bromide to olefins. 3,812,212, 5-21-74, Cl. 260-663.000.

Gordon, Ronnie D., to Continental Oil Company. Preparation of ethers. 3,824,295, 7-16-74, Cl. 260-614.00r.

Gordon, Ronnie D.; Johnson, Gary R.; Skinner, Joseph L.; and Leach, Bruce E., to Continental Oil Company. Purification of vinyl chloride. 3,830,859, 8-20-74, Cl. 260-656.00r.

Gordon, Ronnie D., to Continental Oil Company. Isomerization of 1,2-dichloro-3-butene to 1,4-dichloro-2-butene. 3,836,592, 9-17-74, Cl. 260-654.00r.

Gordon, Ronnie D., to Continental Oil Company. Preparation of ethers. 3,840,605, 10-8-74, Cl. 260-614.00r.

Gordon, Samuel. Shaft lock arrangement. 3,782,512, 1-1-74, Cl. 188-134.000.

Gordon, Sherritt, Mines Limited: *See—*
Fustukian, David A. W.; Kushnir, Bud W.; Norris, Leon F.; and Fraser, Robert W., 3,847,680.
Mackiw, Vladimir N.; Weir, Donald R.; Evans, David J. I.; and Maschmeyer, Dennis G., 3,816,098.
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Gordon, Walter H., Jr.; and Ryckman, William D., Jr., to General Electric Company. Overtemperature control system. 3,814,899, 6-4-74, Cl. 219-212.000.

Gordon, William M., III, to International Business Machines Corporation. High performance ink jet nozzle. 3,823,408, 7-9-74, Cl. 346-140-.

Gordon, Wolfgang: *See—*
Engelmann, Manfred; Gordon, Wolfgang; and Rust, Kurt, 3,795,662.

Gordos, Ambrose L. Retractable spike golf shoe. 3,793,751, 2-26-74, Cl. 36-61.000.

Gordos Corporation: *See—*
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Gore, W. L., & Associates, Inc.: *See—*
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Gore, William George; and Parker, Roy Percival, to National Research Development Corporation. Cathode ray tube display systems. 3,783,334, 1-1-74, Cl. 315-18.000.

Gorelick, Donald: *See—*
United States of America, National Aeronautics and Space administration, 3,811,429.

Gorelov, Leonid Rafailovich: *See—*
Filippov, Andrei Nikiforovich; Gorelov, Leonid Rafailovich; Festa, Alexei Georgievich; Ostapchuk, Alexandr Vasilievich; and Myshko, Konstantin Antonovich, 3,844,954.

Goren, Yorman: *See—*
Lloyd, Samuel Harry, III; and Goren, Yorman, 3,835,800.

Gorenschek, Matthias. Saddle construction, seat member for use therein, and method. 3,835,621, 9-17-74, Cl. 54-44.000.

Gores, Kenneth W.: *See—*
Otis, George A.; and Gores, Kenneth W., 3,784,063.

Gores, Kenneth W. Aerosol-can dispensing cap. 3,792,802, 2-19-74, Cl. 222-402.130.

Gores, Kenneth W. Dispensing pan for aerosol container. 3,841,532, 10-15-74, Cl. 222-205.000.

Goretta, Louis A.: *See—*
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Seale, Virgil L.; Svarz, Jerry J.; Goretta, Louis A.; Newkirk, John D.; Hunter, Wood E.; and Sibert, Frederick J., 3,789,074.

Goretzki, Jerome A.; Hendrickson, Kenneth E.; Mattson, Gary L.; and Mattson, Larry F., to International Business Machines Corporation. Stepper motor control system. 3,849,714, 11-19-74, Cl. 318-685.000.

Gorgens, Joseph E.; and Heske, William A. Motion responsive electrical control apparatus. 3,792,408, 2-12-74, Cl. 338-91.000.

Gorglione, Victor T.: *See—*
Chase, Bernard S.; Frederick, Raymond H.; and Gorglione, Victor T., 3,827,169.

Gorham; a division of Textron Inc.: *See—*
Sebring, Burr, 3,846,902.

Gorham, Michael L.: *See—*
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Gorham Tool Company: *See—*
Czopor, Edmund J.; Newton, Joseph; Cochrane, Ralph W.; and Muzur, Stan T., 3,798,723.
Czopor, Edmund J., 3,798,724.
Munro, Gerald Kirk, 3,834,829.

Gorike, Rudolf, to Akg Akiestische u Kino-Gerate Gesellschaft m.b.H. Headphone construction. 3,798,393, 3-19-74, Cl. 179-182.00r.

Gorin, Chanoch: *See—*
Metzer, Abraham; Basevi, Ettore; Baniel, Avraham M.; and Gorin, Chanoch, 3,796,793.

Gorin, Everett; Kulik, Conrad J.; and Lebowitz, Howard E., to Consolidation Coal Company. Conversion of coal to clean fuel. 3,791,956, 2-12-74, Cl. 208-8.000.

Gorina, Vera Mikhailovna: *See—*
Vorobeva, Antonina Ivanovna; Gorina, Vera Mikhailovna; and Obolentsev, Roman Dmitrievich, 3,787,502.

Gorina-Valeeva, Nina Sergeevna: *See—*
Glazunov, Sergei Georgievich; Zhikharev, Ilya Alexandrovich; Filippov, Dmitry Alexandrovich; Norin, Pavel Vladimirovich; Zasulsky, Viktor Ivanovich; Yasinsky, Konstantin Konstantinovich; Khromov, Alexei Mikhailovich; Prostov, Illarion Afanasievich; Romanov Anatoly Sergeevich; Ivanov, Alexei Mikhailovich; Kashina, Elena Arkadievna; Gorina-Valeeva, Nina Sergeevna; Kuleshov, Mikhail Pavlovich; Smirnov, Pavel Ivanovich; Nikolaev, Vyacheslav Alexeevich; Krjuchkov, Igor Borisovich; Musatov, Veniamin Vladimirovich Moldavsky, Valery Moiseevich; Khrustsevich, Leonid Alexandrovich; Nekrasov, Vladimir Ilich; Lyapina, Galina Fedorovna; and Fedoseev, Nikolai Andreevich, 3,807,488.

Goring Kerr Limited: *See—*
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Gorishek, Joseph A., to GTE Automatic Electric Laboratories, Incorporated. Energy distribution system. 3,805,019, 4-16-74, Cl. 219-349.000.

Gorjup, Johann: *See—*
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Gorker, George E., to General Electric Company Looper controlled rolling mill. 3,811,304, 5-21-74, Cl. 72-17.000.

Gorl, Richard: *See—*
Blase, Helmut; and Gorl, Richard, 3,792,781.

Gorl, Richard; and Blase, Helmut, to Rheinstahl AG. Adjustable width crane supporting structure. 3,791,530, 2-12-74, Cl. 212-145.000.

Gorlach, Helmut; Stroot, Walter; and Kreckl, Alois, to Akzona Incorporated. Multilayer fibrous insulating article. 3,801,422, 4-2-74, Cl. 161-82.000.

Gorlin, Igor Konstantinovich: *See—*
Perelmutr, Alexandr Semenovich; Berlin, Alexandr Zinovievich; Gorlin, Igor Konstantinovich; and Traxler, Alexandr Gustavovich, 3,836,129.

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Aronov, Anatoly Izrailevich; Kravets, Arkady Timofeevich; Korochkin, Petr Evmenovich; and Titov, Alexei Ivanovich, 3,846,611.
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Fahlstrom, Per Anders Herman Henningsson; and Gorling, Karl Goran, 3,856,506.
Gorling, Karl Goran, to Boliden Aktiebolag. Roasting, coarsening and hardening of iron sulfide materials. 3,854,931, 12-17-74, Cl. 75-3.000.
Gorlov, Semen Maximovich: *See*—
Bashkov, Vladimir Alexeevich; Martynov, Oleg Viktorovich; Illkhonov, Sergie Sergeevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Markarov, Mikhail Nikolaevich; Belousov, Vladimir Alexeevich; Siinov, Anatoly Georgievich; and Gorlov, Semen Maximovich, 3,800,855.
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Gorman, Anthony Graham, to Amplivox Communications Limited. Headsets. 3,796,841, 3-12-74, Cl. 179-156.00a.
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Gorman, Harold R., to PPG Industries, Inc. Method of liquid quenching of glass. 3,802,860, 4-9-74, Cl. 65-116.000.
Gorman, Harold R. Glass sheet conveying and supporting rolls, and apparatus employing such rolls. 3,853,525, 12-10-74, Cl. 65-181.000.
Gorman, John P., to Cast Iron Soil Pipe Institute. Vented sanitary trap unit. 3,791,401, 2-12-74, Cl. 137-216.200.
Gorman, John P., to Cast Iron Soil Pipe Institute. Drainage system. 3,853,140, 12-10-74, Cl. 137-357.000.
Gorman, Kenneth P. Toroidal winding machine. 3,844,495, 10-29-74, Cl. 242-4.00b.
Gorman, Marvin; Higgens, Calvin E.; and Nagarajan, Ramakrishanan, to Lilly, Eli, and Company. Antibiotic A16886 and process for production thereof. 3,801,464, 4-2-74, Cl. 195-80.00r.
Gorman, Robert H., to King Instrument Corporation. Splicing head assembly. 3,825,461, 7-23-74, Cl. 156-502.000.
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Gormley, William T.; and Russ, Muchere C., to Koppers Company, Inc. Phosphorus-containing monoesters of unsaturated dicarboxylic acids. 3,810,960, 5-14-74, Cl. 260-952.000.
Gormley, William T.; and Corson, Ben B., to Koppers Company, Inc. Isomerization of tetrahydrophthalic anhydride. 3,819,658, 6-25-74, Cl. 260-346.300.
Gormly, John F., to Xerox Corporation. Controller for automatically answering and disconnecting calls to and from telephone interfaced facsimile terminals. 3,838,220, 9-24-74, Cl. 179-3.000.
Gornall, Henry A., to Ferro Corporation. Endless furnace. 3,809,529, 5-7-74, Cl. 432-138.000.
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Gornowitz, Kurt, to Nestler, Albert, GmbH. Device for measuring the displacement of a carriage along a bar. 3,802,082, 4-9-74, Cl. 33-1.00m.
Gorog, Istvan, to RCA Corporation. System for recording and playing back color encoded holograms. 3,790,701, 2-5-74, Cl. 178-5.4cd.
Gorog, Istvan, to RCA Corporation. Color-encoded hologram playback apparatus. 3,858,239, 12-31-74, Cl. 358-2.000.
Gorog, Katalin, nee Privitizer; Bruckner, Gyorgyi; Farkas, Kalman; Grega, Erzsebet; Marosvolgyi, Sandor; Pinter, Zoltan; and Szilagyi, Gyula, to Nehezvegyipari Kutato Intezet and Eszakmagyarorszagi Vegyimuvek. Substituted phthalimido-1,3,5-triazines. 3,794641, 2-26-74, Cl. 260-249.800.
Gorrell, James M.; and Winzeler, James E., to Caterpillar Tractor Company. Variable speed planetary transmission. 3,815,445, 6-11-74, Cl. 74-740.000.
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Gorski, Raymond W. Snowmobile frame. 3,804,455, 4-16-74, Cl. 296-28.00j.
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Gorter, Werner; Kresta, Erich; and Stumpf, Horst, to Semperit Aktiengesellschaft. Molded article formed of fiber reinforced material. 3,837,986, 9-24-74, Cl. 161-59.000.
Gorter, Werner, to Semperit Osterreichisch-Amerikanische, Amerikanische Gummiwerke AG and Semperit Osterreichisch-Amerikanische Gummiwerke Aktiengesellschaft. Pneumatic tire. 3,856,067, 12-24-74, Cl. .
Gortner, James L. Rotational positioning means for extension lights. 3,808,420, 4-30-74, Cl. 240-52.300.
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Gorum, Larry Austin, to Du Pont de Nemours, E. I., and Company. Non-caking aerosol anti-perspirant composition. 3,798,317, 3-19-74, Cl. 424-47.000.
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Gorzegno, Walter P., to Foster Wheeler Corporation. Furnace circuit for variable pressure once-through generator. 3,789,806, 2-5-74, Cl. 122-406.00p.
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Goserud, Dean L. Fish bag holders. 3,854,236, 12-17-74, Cl. 43-55.000.
Goshgarian, Haig, to Bissett-Berman Corporation, The. Method of making an electrolytic cell. 3,798,751, 3-26-74, Cl. 29-570.000.
Goshgarian, Haig, to TRW Inc. Package for microwave semiconductor device. 3,801,938, 4-2-74, Cl. 333-84.00m.
Goshgarian, Robert A. Orthodontic palatal arch wires. 3,792,529, 2-19-74, Cl. 32-14.00a.
Goshy, Allyn N. Device for monitoring excess current usage based on coulometric cell. 3,842,348, 10-15-74, Cl. 324-94.000.
Gosling, Raymond John: *See*—
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Gosnell, Earl J., to Burroughs Corporation. Protection system for computerized negotiable document printouts. 3,802,724, 4-9-74, Cl. 283-9.000.
Gosnell, Earl J., to Burroughs Corporation. Continuous form computer print-out document protection system. 3,833,395, 9-3-74, Cl. 117-1.000.
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Gosney, William Milton; and Buehler, Martin George, to Texas Instruments, Incorporated. Metal-insulator-semiconductor structures having reduced junction capacitance and method of fabrication. 3,852,119, 12-3-74, Cl. 148-1.500.
Gospodar, Reinhard; Reichel, Kurt; Vogelsang, Gustav; and Thauer, Peter, to Volkswagenwerk Aktiengesellschaft. Induction pipe for internal combustion engines. 3,811,416, 5-21-74, Cl. 123-52.00m.
Gospodar, Reinhard, to Volkswagenwerk Aktiengesellschaft. Combustion engine with additional air inlet valve. 3,814,065, 6-4-74, Cl. 123-26.000.
Gospoear, Weinhard, to Volkswagenwerk Aktiengesellschaft. Process for preheating an exhaust gas purifying device. 3,800,772, 4-2-74, Cl. 60-274.000.
Goss, Alan P.; Shepherd, Brian; and Williams, David A., to Smiths Industries Limited. Improvements in or relating to brake control apparatus. 3,796,470, 3-12-74, Cl. 303-21.0cg.
Goss, Edward W.: *See*—
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Goss, Ira D.: *See*—
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Goss, John B.; and Stachowiak, John E., to American Aero Industries, Inc. Hydraulic gun system. 3,802,628, 4-9-74, Cl. 239-302.000.
Goss, Lorane C., Jr., to Capital Products Corporation. Corner angle for windows. 3,782,054, 1-1-74, Cl. 52-758.00h.
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Gossage, Thomas M. Multi-purpose releasable connector. 3,847,488, 11-12-74, Cl. 403-79.000.
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Goswami, Jagadish C.; and Jin, Jung Il, to Stauffer Chemical Company. Thermoplastic polymers containing post chlorinated vinyl halide-bis(hydrocarbyl)vinyl phosphonate copolymers. 3,792,113, 2-12-74, Cl. 260-857.000.
Gotanda, Motohiro. Device for setting-up a power source of electrical alarm. 3,803,575, 4-9-74, Cl. 340-274.000.
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Gothberg, Karl Owe Gosta. Connector for electric installation systems. 3,839,696, 10-1-74, Cl. 339-23.000.
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Gothberg, Yngve Roland, to Kommanditbolaget United Stirling (Sweden) AB & Co. Means for equalizing pressures in multiple cylinders of a Stirling cycle engine. 3,802,197, 4-9-74, Cl. 60-521.000.
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Gothe, Walter C., to Fuller Company. Control for reciprocating grate conveyor. 3,809,212, 5-7-74, Cl. 198-232.000.
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Goto, Kenji; and Mizuno, Kiyohiko, to Messrs. Toyota Jidosha Kogyo Kabushiki Kaisha. Exhaust gas recycling system. 3,800,764, 4-2-74, Cl. 123-119.00a.

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Goto, Kenji; and Ishikawa, Norikatsu, to Toyota Jidosha Kogyo Kabushiki Kaisha. Exhaust emission control device for an internal combustion engine. 3,839,862, 10-8-74, Cl. 60-282.000.

Goto, Kenji; and Nakamura, Michiya, to Toyota Jidosha Kogyo Kabushiki Kaisha. Manifold reactor. 3,845,621, 11-5-74, Cl. 60-282.000.

Goto, Kenjiro, to Mansei Kogyo Kabushiki Kaisha. Gas lighter. 3,782,882, 1-1-74, Cl. 431-150.000.

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Goto, Kenya, to Tokyo Shibaura Electric Co., Ltd. Doppler radar using laser. 3,825,341, 7-23-74, Cl. 356-28.000.

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Goto, Masaru; and Iso, Mitsuo, to Hitachi Shipbuilding and Engineering Co., Ltd. Apparatus for marking moving bars such as steel rails. 3,800,696, 4-2-74, Cl. 101-6.000.

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Gotoh, Miyuki; Mizuno, Yukio; and Shibata, Kazuo, to Nissan Motor Company, Limited. Weft inserting arrangement of fluid-jet loom. 3,828,829, 8-13-74, Cl. 139-127.00p.

Gotoh, Syuichi, to Nippon Oil Seal Industry Co., Ltd. Oil seal or sleeve having press-fitted portions coated with synthetic rubber latex. 3,785,856, 1-15-74, Cl. 117-75.000.

Gotsch, Dieter; Hahner, Reinhard; Lederer, Hans; Kirn, Manfred; and Kuhlmann, Gerhard, to Bosch, Robert, G.m.b.H. Hammerdrill. 3,799,275, 3-26-74, Cl. 173-48.000.

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Gotthold, John Phillip. Rotary engine or pump. 3,801,237, 4-2-74, Cl. 418-36.000.

Gottleib, Herbert; and Guthart, Frank, to Instrumed Products, Inc. Cardiographic tracing cutting unit. 3,828,640, 8-13-74, Cl. 83-464.000.

Gottlieb, Arnold J.; and Majesko, George A., to Driver, Wilbur B., Company. Bimetallic material for electronic tube applications. 3,832,148, 8-27-74, Cl. 29-195.500.

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Gottlieb, Robert G., to Lewis Industries, Inc. Battery terminal and cable connector. 3,821,694, 6-28-74, Cl. 339-232.000.

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Gottlieb, Victor. Method of manufacturing moulded articles of wood particles with cover sheets. 3,816,208, 6-11-74, Cl. 156-245.000.

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Gottschalk, George H. Nasal tampon. 3,850,176, 11-26-74, Cl. 128-325.000.

Gottschalk, Lawrence A., to Union Carbide Corporation. Combination label for packaged product and printed-on removable decal. 3,835,564, 9-17-74, Cl. 40-306.000.

Gottschall, Herbert, to Schwank GmbH. Burner plate for infrared radiator. 3,825,403, 7-23-74, Cl. 431-328.000.

Gottschalt, Paul, to Siemens Aktiengesellschaft. High frequency coil having an adjustable ferrite pot core. 3,855,561, 12-17-74, Cl. 336-83.000.

Gottsching, Herbert, to Mayer & Cie. Maschinenfabrik. Electrical patterning device for multi-station knitting machines having a rotating needle cylinder. 3,807,196, 4-30-74, Cl. 66-50.00r.

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Gottsmann, Hartmut; and Specovius, Joachim, to Licentia Patent-Verwaltungs-GmbH. Laser and method of making same. 3,849,790, 11-19-74, Cl. 357-18.000.

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Gottwald, Winfried, to Siemens Aktiengesellschaft. Circuit for interference free recognition of zero crossings of read signals of magnetic layer memories. 3,798,467, 3-19-74, Cl. 307-235.000.

Gottzein, Eveline; and Klamka, Norbert, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Method and apparatus for the dynamic uncoupling of a rail-guided vehicle from its guiding rail means. 3,804,024, 4-16-74, Cl. 104-148.0ms.

Gotz, Hans: *See*—
Wilfert, Karl; and Gotz, Hans, 3,784,226.
Wilfert, Karl; and Gotz, Hans, 3,818,211.

Gotz, Hans, to Daimler-Benz Aktiengesellschaft. Commerical vehicle with approximately box-shaped body structure. 3,807,787, 4-30-74, Cl. 296-1.00s.

Gotz, Hans, to Daimler-Benz Aktiengesellschaft. Driver cab of trucks. 3,836,191, 9-17-74, Cl. 296-1.00s.

Gotz, Manfred; Zeile, Karl; Freter, Kurt; and Wehlmann, Gisela, to Boehringer Ingelheim G.m.b.H. Morpholino-N^6-cyclohexylcarbonylsydnonimine salts thereof. 3,833,580, 9-3-74, Cl. 260-247.20a.

Gotz, Manfred K.: *See*—
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Gotz, Werner: *See*—
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Gotz, Werner; and Przybyla, Bernd, to Bosch, Robert, G.m.b.H. Vehicle wheel fluid brake anti-lock system. 3,833,270, 9-3-74, Cl. 303-21.0be.

Gotze, Christain, to Agfa-Gevaert Aktiengesellschaft. Device for centering rolls of convoluted strip material in photographic copying machines or the like. 3,838,829, 10-1-74, Cl. 242-68.400.

Gotze, Johannes: *See*—
Kampfer, Helmut; Ohlschlager, Hans; Von Konig, Anita; and Gotze, Johannes, 3,810,760.
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Gotzenberger, Adolf; and Scheeweiss, Manfred, to Audi NSU Auto Union Aktiengesellschaft. Gear drive for motor vehicles. 3,801,125, 4-2-74, Cl. 280-96.000.

Gotzl, Horst; and Rattner, Manfred, to Siemens Aktiengesellschaft. Movable X-ray examining device. 3,801,790, 4-2-74, Cl. 250-523.000.

Gotzmann, Karl: *See*—
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Gouault, Andre; and Barkats, Gerard, to Societe Nationale Industrielle Aerospatiale. Method of manufacturing composite structures. 3,808,066, 4-30-74, Cl. 156-3.000.

Gouba, Alfred J. Link cutting machine. 3,808,636, 5-7-74, Cl. 17-1.00f.

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Goucher, Robert G., to Hogle-Kearns International. Surgical instrument employing electrically neutral, D.C. induced cold plasma. 3,838,242, 9-24-74, Cl. 219-121.00p.

Gouda, Masatoshi: *See*—
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Gouedy, Lucien L. Maritime day shapes and display system therefor. 3,818,857, 6-25-74, Cl. 116-132.00r.

Gouge, Edwin. Adjustable clamps. 3,808,643, 5-7-74, Cl. 24-19.000.

Gouge, Wilfred A., Sr.: *See*—
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Gough, Alfredo A. Biochemical process. 3,855,121, 12-17-74, Cl. 210-11.000.

Gough, John Richard Cox: *See*—
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Gough, Robert G., to Cincinnati Milacron Inc. Methoxy carboxylic acid ester ultraviolet stabilizers for polymers. 3,814,729, 6-4-74, Cl. 260-45.85b.

Gough, Stanley T. D., to Mobil Oil Corporation. Tobacco sucker control with dialkyl 1,2,5-thiadiazol-3-yl phosphates. 3,819,354, 6-25-74, Cl. 71-78.000.

Gough, Vernon E.; and Waller, Roy E. S., to Dunlop Limited. Pneumatic tire having sidewalls of unequal length. 3,842,882, 10-22-74, Cl. 152-352.000.

Goughnour, Roy Robert, to Aukerman, A. C., Co. Method for slip-forming walls of asymmetrical transverse cross section. 3,792,133, 2-12-74, Cl. 264-33.000.

Gouirand, Rene, to Mercadante, Joseph. Air suspension with tapered air bag. 3,822,908, 7-9-74, Cl. 293-68.000.

Gouirand, Rene, to Mercadante, Joseph. Combined vehicle chassis and air suspension system. 3,829,118, 8-13-74, Cl. 280-106.50r.

Goujard, Marie Pierre, to CH. Gervais, Societe Anonyme. Preparation of curd from milk. 3,845,226, 10-29-74, Cl. 426-239.000.

Goukon, Atsushi: *See*—
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Goukon, Atsushi; Kawakatsu, Yasuyuki; Yano, Wataru; and Minakata, Itsuo, to Kao Soap Co., Ltd. Polyamides from the reaction of phenolic nucleus cross-linked dimer, a diamine, and a monocarboxylic fatty acid. 3,793,270, 2-19-74, Cl. 260-18.00n.

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Goulart, Harold S., to United States of America, Navy. Precision non-translating mirror/lens mount. 3,815,429, 6-11-74, Cl. 74-89.150.

Goulas, Bobbie D., to BG & F Inc. Method of providing a solid gall preventer in a pin and box joint. 3,831,259, 8-27-74, Cl. 29-428.000.

Gould, Charles W.: *See*—
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Gould, Douglas E.: *See*—
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Gould, Edson B., III., to Energy Sciences Incorporated. Electrical enhancement of pressure wave energy. 3,815,829, 6-11-74, Cl. 239-102.000.

Gould, Floyd T., to Honeywell Information Systems, Inc. Electroconductive recording medium and process of making the same. 3,811,935, 5-21-74, Cl. 117-215.000.

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Shepherd, Thomas H.; and Gould, Francis E., 3,857,932.

Gould, Francis E.; and Ronel, Samuel H. Artificial skin. 3,849,238, 11-19-74, Cl. 161-159.000.

Gould, George D., to Chevron Research Company. Integrated process combining hydrofining and steam cracking. 3,855,113, 12-17-74, Cl. 208-89.000.

Gould, George K.; and Sarabia, Armando Belmares, to Teletronics International, Inc. Editing system and method. 3,824,336, 7-16-74, Cl. 178-6.800.

Gould, Grahame Warwick, to Lever Brothers Company. Preservation of packaged foodstuff. 3,821,424, 6-28-74, Cl. 426-106.000.

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Clement, Jack M., 3,852,568.
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Gould, Ira L. Water cooled condenser dryer for laundry center. 3,805,404, 4-23-74, Cl. 34-75.000.

Gould, Jay W., III; and Phillipson, Phillip William, to Minnesota Mining and Manufacturing Company. Fiber reinforced resin fishing rod. 3,835,569, 9-17-74, Cl. 43-18.0gf.

Gould, Joseph C.; and Hayes, Robert L., to Goodrich, B. F., Company, The. Container. 3,788,475, 1-29-74, Cl. 210-167.000.

Gould, Lawrence P.: *See—*
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Gould, Maurice O., to Agricultural Enterprises, Inc. Livestock insecticide dispensing bag. 3,847,122, 11-12-74, Cl. 119-159.000.

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Gould, Robert R., Jr., to General Motors Corporation. Domestic range control and display system. 3,819,906, 6-25-74, Cl. 219-506.000.

Gould, Ronald R.: *See—*
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Gould, William. Rotary brush section 3,839,763, 10-8-74, Cl. 15-181.000.

Goulder, J., & Sons Limited: *See—*
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Goulding, Robert Lee, Jr.; and St. Clair, Akos Dominic, to Robins, A. H., Company Incorporated. Long lasting euphoriant resin for cats. 3,808,312, 4-30-74, Cl. 424-78.000.

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Gourlay, Robert D., to Hughes Aircraft Company. Fluid actuated electric generator. 3,787,741, 1-22-74, Cl. 310-4.800.

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Gournelle, Maurice Paul. Apparatus for making containers of thermoplastic sheet material. 3,800,682, 4-2-74, Cl. 93-59.0mt.

Gournelle, Maurice Paul. Rams. 3,834,276, 9-10-74, Cl. 91-501.000.

Gourse, Jerome A., to Velsicol Chemical Corporation. Indenylphosphonates. 3,784,652, 1-8-74, Cl. 260-956.000.

Gourse, Jerome A., to Velsicol Chemical Corporation. Fire retardant compositions. 3,787,356, 1-22-74, Cl. 260-45.75b.

Goutard, Rene Michel, to Automatisme & Technique. System for automated production of spark plugs. 3,849,850, 11-26-74, Cl. 29-25.190.

Gouw, Lam H., to Shell Oil Company. Cellulosic sheet material and process for its preparation. 3,795,575, 3-5-74, Cl. 162-146.000.

Gouy, Jean-Claude, to Service d'Exploitation Industrielle des Tabacs et des Allumettes. Device for the continuous feeding of a machine with a strip unwound from successive reels. 3,856,227, 12-24-74, Cl. 242-58.300.

Gouye, Emmanuel V., to Koppers Company, Inc. Coupling device. 3,831,646, 8-27-74, Cl. 141-383.000.

Govaars, Gustaaf Frederik, to Scientific Enterprises, Inc. Temperature protection suit. 3,849,802, 11-26-74, Cl. 2-81.000.

Govaert, Leonardus Eduard: *See—*
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Governale, Luke J., to Ethyl Corporation. Alkyl aluminum disposal method. 3,848,053, 11-12-74, Cl. 423-115.000.

Governale, Sandi. Disposable palette. 3,856,136, 12-24-74, Cl. 206-1.700.

Governor, Woodward, Company: *See—*
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Govindan, Tirunillayi S., to Du Pont de Nemours, E. I., and Company. Process for the spray application of aqueous paints by utilizing an air shroud. 3,857,511, 12-31-74, Cl. 239-11.000.

Govoruhk, Nicholas J. Method for removing bat fly eggs from horses. 3,799,119, 3-26-74, Cl. 119-157.000.

Goward, Stanley Harold; and Yorath, Anthony, to BTR Industries Limited. Hose end fittings and inserts therefor. 3,838,592, 10-1-74, Cl. 72-318.000.

Gowdy, Harold W.; and Downing, Arthur C., to General Electric Company. Spray iron. 3,829,993, 8-20-74, Cl. 38-77.500.

Gower, Bob G.: *See—*
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Gower, Roger L. Connector hook having arcuate channel on face of flared head. 3,857,238, 12-31-74, Cl. 59-93.000.

Gower, William, to Ecolonet, Inc. Trash receiver. 3,814,150, 6-4-74, Cl. 141-337.000.

Gower-Rees, Christopher David; and Walton, John Noel, to Walton, Beverly Ann; d/b/b/ under the firm name and style of Infopat. Amusement device. 3,799,546, 3-26-74, Cl. 273-109.000.

Goyal, Ramesh Chandra: *See—*
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Goyer, Andre; and Smadja, Rene, to Mobil Oil Corporation. Asphaltic compositions. 3,821,144, 6-28-74, Cl. 260-28.5as.

Goyer, Ronald Bruce, to RCA Corporation. Digital interface circuit for random noise generator. 3,816,765, 6-11-74, Cl. 307-260.000.

Goyer, Ronald Bruce, to RCA Corporation. Wide range monstable multivibrator circuit having a constant current source. 3,829,716, 8-13-74, Cl. 307-273.000.

Goyet, Daniel: *See—*
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Grabast, Edwin F. Mobile trailer garage with convertible furnishings. 3,845,980, 11-5-74, Cl. 296-23.00r.

Grabb, Frederick G.; and Beck, Mark E., to Bendix Corporation, The. Vacuum intensified brake booster system. 3,824,792, 7-23-74, Cl. 60-411.000.

Grabe, Frederick G.: *See—*
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Grabendorfer, Werner; Gregor, Manfred; and Schlengermann, Udo, to Krautkramer-Branson Incorporated. Probe system for ultrasonic nondestructive testing. 3,820,387, 6-28-74, Cl. 73-67.900.

Graber, Adolf; and Tecl, Bohuslav, to Freudenberg, Carl, Firma. Needled felt flooring. 3,822,173, 7-2-74, Cl. 161-62.000.

Graber, David A. Drying apparatus and method for particle materials. 3,798,786, 3-26-74, Cl. 34-57.00r.

Graber, David A., 1/2 to Gates, Major F. Materials handling apparatus and method. 3,798,791, 3-26-74, Cl. 34-164.000.

Graber, Homer R.: *See—*
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Graber, Walter P., to Kysor Industrial Corporation. Temperature actuated valve. 3,853,269, 12-10-74, Cl. 236-86.000.

Grabher, Erich; Donhauser, Anton; and Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Holder mechanism equipped with a tool holder retained therein. 3,817,541, 6-18-74, Cl. 279-1.00r.

Grabhorn, Robert H.; and Westcott, Norman A., to Westcott & Grabhorn, Ltd. Insulator device. 3,828,967, 8-13-74, Cl. 220-23.860.

Grabiel, John L. W.; Culver, Mark N.; and Lorenz, Edwin Albert, said Grabiel assor. to General Motors Corporation. Emission sensor. 3,801,973, 4-2-74, Cl. 340-237.00r.

Grable, Donovan B., 99% to Wastland Reclamation Corporation, 0.5% to Laney, Bill C. and 0.5% to Haefliger, William W. Sub-surface particle recovery. 3,790,213, 2-5-74, Cl. 299-8.000.

Grable, Donovan B. Well pumping control. 3,793,904, 2-26-74, Cl. 74-590.000.

Grable, Donovan B.; and Laney, Bill C., said Laney, Bill C., assor. to Hydro-Combo Corporation. Well head completion and control. 3,802,509, 4-9-74, Cl. 166-315.000.

Grable, Donovan B.; and Laney, Bill C., to Grable, Donovan B., mesne. Control of well fluid level. 3,807,902, 4-30-74, Cl. 417-46.000.

Grable, Donovan B.; and Laney, Bill C., to Hydro-Combo, Inc. Subsurface well blowout preventer operated mechanically from the surface. 3,817,327, 6-18-74, Cl. 166-72.000.

Grable, Donovan B., 99% to Wasteland Reclamation Corporation, mesne, 1/2 of 1% to Laney, Bill C. and 1/2 of 1% to Haefliger, William W. Pipe transporting and laying vehicle and method. 3,855,807, 12-24-74, Cl. 61-72.100.

Grable, Donovan B., 99% to Wasteland Reclamation Corporation, 0.5% to Laney, Bill C. and 0.5% to Haefliger, William W. Recovery of sub-surface metals. 3,856,355, 12-24-74, Cl. 299-8.000.

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Grace, Martin I., to Sperry Rand Corporation. Broad band high frequency diode amplifier. 3,855,542, 12-17-74, Cl. 330-34.000.

Grace, Michael Edward: *See—*
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Graham, William, to Glaxo Laboratories Limited. Slats of mono-O-substituted and O,O-diaryl substituted phosphoric acids and a nitrogen base. 3,852,295, 12-3-74, Cl. 260-297.00p.

Graham-White Manufacturing Company: *See—*
Taylor, Thomas D.; and Bredlow, Harvey F. (said Taylor assor. to), 3,783,345.

Graham-White Sales Corporation: *See—*
Taylor, Thomas D.; and Bredlow, Harvey F. (said Bredlow assor. to), 3,783,345.

Graham-White Sales Corporation, mesne: *See—*
Kelly, Timothy A.; and Callahan, David T., 3,839,950.

Grahame, Frederick W., to General Electric Company. Wound capacitor with internal discharge resistor. 3,840,787, 10-8-74, Cl. 317-256.000.

Grahn, Per Goran, to Kommanditbolaget United Stirling (Sweden) AB & Co. Hot gas engine heater heads. 3,822,553, 7-9-74, Cl. 60-517.000.

Graichen, Bernhard: *See—*
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Grain Processing Corporation: *See—*
Egger, Carl T.; and Olson, Robert E., 3,849,341.
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Grainger, Derek Robert: *See—*
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Grainger, Lewis M. D. Anti-pollution gasified liquid fuel system. 3,792,688, 2-19-74, Cl. 122-248.000.

Grainger, Lewis M. D. Anti-pollution steam generation system. 3,810,447, 5-14-74, Cl. 122-248.000.

Grainger, Lewis M. D. Anti-pollution fuel system. 3,844,264, 10-29-74, Cl. 123-136.000.

Gralenski, Nicholas M., to Watkins-Johnson Company. Composite X-ray tube/transformer assembly. 3,812,366, 5-21-74, Cl. 250-421.000.

Grall, Robert W.: *See—*
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Gramann, Wolfgang, to Licentia Patent-Verwaltungs-G.m.b.H. Apparatus for liquid phase epitaxy. 3,791,344, 2-12-74, Cl. 118-421.000.

Gramas, John Vincent, to Du Pont de Nemours, E. I., and Company. Double-exposure method for producing reverse images in photopolymers. 3,784,378, 1-8-74, Cl. 96-27.00e.

Grambor, Stanley R. Rotary brooms. 3,855,659, 12-24-74, Cl. 15-181.000.

Gramer, Gottfried; and Korn, Roland, to Siemens Aktiengesellschaft. Thermal degassing of the primary coolant of nuclear reactors. 3,789,577, 2-5-74, Cl. 55-42.000.

Gramm, Richard F.; and Walton, Philip W., to Nuclear-Chicago Corporation. Scintillation camera with rapid sequence imaging device. 3,852,602, 12-3-74, Cl. 250-369.000.

Grammer, Don O'Neil: *See—*
Palmer, Nigel Innes; Sugarman, Nathan; and Grammer, Don O'Neil, 3,847,676.

Grams, Ralph R. Biological fluid sampling and testing apparatus. 3,782,197, 1-1-74, Cl. 73-421.00r.

Gramsall, Johanna: *See—*
Holz, Gunter; Gramsall, Johanna; Nelboeck-Hochstetter, Michael; and Bergmeyer, Hans Ulrich, 3,806,420.

Gran-A-Stone Co., The; Park Tool Company, division: *See—*
Schlough, Thomas L., 3,809,422.

Granada, Richard Paul: *See—*
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Granatek, Alphonse Peter: *See—*
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Granatek, Edmund Stanley: *See—*
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Granatek, Edmund Stanley; Kaplan, Murray Arthur; and Granatek, Alphonse Peter, to Bristol-Myers Company. Antibacterial Composition. 3,814,800, 6-4-74, Cl. 424-271.000.

Granatek, Edmund Stanley; Grab, Frederick Lanny; and Ruva, Frank Domenick, to Bristol-Myers Company. Crystalline monohydrates of sodium and patassium cephalexin. 3,822,256, 7-2-74, Cl. 260-243.00c.

Granath, Kirsti Annikki: *See—*
Bjork, Lars; Erikson, Uno Eugen; Granath, Kirsti Annikki; Ingelman, Gustav-Adolf; and Lindberg, Bernt Jabes, 3,852,341.

Granberg, Albert J. Rotary steam engine. 3,806,286, 4-23-74, Cl. 418-173.000.

Granberg, Albert J. Fluid meter. 3,821,899, 7-2-74, Cl. 73-260.000.

Granberg, Elof. Depth gauge attachment. 3,796,113, 3-12-74, Cl. 76-74.000.

Granberg, Elof. Hedge trimmer attachment for a chain saw. 3,815,229, 6-11-74, Cl. 30-388.000.

Granberg, Frederick M.: *See—*
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Granberg, Gunnar: *See—*
Larker, Hans; Isaksson, Sven-Erik; Lindberg, Mats; and Granberg, Gunnar, 3,790,339.

Granberry, Doyle S., to Texas Instruments, Incorporated. Solid state modular microwave system. 3,818,386, 6-18-74, Cl. 333-33.000.

Granbom, Bo; and Lundqvist, Karl Gunnar, to Origa Cylindrar AB. Means at pressure fluid cylinders. 3,820,446, 6-28-74, Cl. 92-88.000.

Granchelli, Felix E., to Beecham Group Limited. Lower-alkyl-β-oxo-4-piperidine-N-benzoyl-proprionates. 3,828,053, 8-6-74, Cl. 260-293.770.

Granco Equipment, Inc.: *See—*
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Grand Haven Stamped Products Company: *See—*
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Grand, Paul Sheldon, to Colgate-Palmolive Company. Cosmetic and textile-treating compositions. 3,785,985, 1-15-74, Cl. 252-106.000.

Grand, Paul Sheldon, to Colgate-Palmolive Company. Detergent compositions containing aminopolyureylene resin and optical brighteners. 3,832,310, 8-27-74, Cl. 252-543.000.

Grand, Paul Sheldon, to Colgate-Palmolive Company. Cosmetic compositions. 3,849,548, 11-19-74, Cl. 424-70.000.

Grand, Samuel Edward: *See—*
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Grand, Stanley: *See—*
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Granda Corporation: *See—*
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Grandadam, Jean Andre, to Roussel-UCLAF. Method of increasing the caliber of poultry eggs. 3,845,208, 10-29-74, Cl. 424-243.000.

Grandchamp, Pierre Andre: *See—*
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Grandgury, Georges: *See—*
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Grandia, William M., to Borg-Warner Corporation. Expandible pressure mounted semiconductor assembly. 3,808,471, 4-30-74, Cl. 317-234.00r.

Grandia, William M., to Borg-Warner Corporation. Cooled enclosure. 3,818,983, 6-25-74, Cl. 165-105.000.

Grandini, Angelo: *See—*

Cardone, Michele; Grandini, Angelo; and Zaramella, Bruno, 3,786,386.

Grandy, Andrew J. Ammunition and weapon systems. 3,857,339, 12-31-74, Cl. 102-38.000.

Grane, Gunnar; and Kareby, Erik. Compacting device. 3,847,498, 11-12-74, Cl. 404-133.000.

Grane, Henry R., to Atlantic Richfield Company. Method for the production of phthalic and toluic acids by the catalytic oxidation of xylenes. 3,832,395, 8-27-74, Cl. 260-524.00r.

Grangaard, Orrin H.: *See—*
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Grangaard, Orrin H.; and Peake, Ernest R., to Environmental Research Corporation. Direct draw amplifier for magnetic deflection cathode ray tubes. 3,801,858, 4-2-74, Cl. 315-27.0td.

Grange, Howard L. Ventilated roof construction. 3,797,180, 3-19-74, Cl. 52-95.000.

Grange, John: *See—*
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Grange, Kenneth: *See—*
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Grange, Yves: *See—*
Ferrand, Bernard; Forrat, Francis; Grange, Yves; Joubert, Jean-Claude; and Mareschal, Jean, 3,849,193.

Granger, Alain; and Sausse, Andre, to Rhone-Poulenc S.A. Apparatus for concentrating a liquid containing non-ultrafiltrable elements. 3,788,474, 1-29-74, Cl. 210-137.000.

Granger, Derril D.: *See—*
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Granges Aluminium AB: *See—*
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Granges Engineering Aktiebolag: *See—*
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Granholm, Lars E., to Outboard Marine Corporation. Stern drive unit trim tab. 3,799,103, 3-26-74, Cl. 115-34.00r.

Granholm, Sven Axel Edvin; and Thorsell, Sven Torgny, to Linden-Alimak AB. Implement for stabilizing cohesive and frictional earths to a considerable depth with binding agents. 3,802,208, 4-9-74, Cl. 61-63.000.

Graniaris, Neophytos, to Struthers Patent Corporation. Ice crystals. 3,827,248, 8-6-74, Cl. 62-123.000.

Graniaris, Neophytos, to Struthers Patent Corporation. Water crystallization. 3,838,577, 10-1-74, Cl. 62-66.000.

Granieri, Michael S., Jr.: *See—*
Eannarino, Joseph M.; Granieri, Michael S., Jr.; and Michaelson, Henry W., 3,788,517.

Granig, Hubert. Safety-belt. 3,801,156, 4-2-74, Cl. 297-386.000.

Granite Mill & Fixture Co.: *See—*
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Granitzki, Karl Ernst; Schiefer, Paul; and Hess, Heinrich, to VFG Vertriebsgesellschaft fur feuerfeste und giesstechnische Erzeugnisse mbH. Method of making liner in an induction melting furnace. 3,836,613, 9-17-74, Cl. 264-30.000.

Granitzki, Karl-Ernst: *See—*
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Granley Products (London) Limited: *See—*
Green, Robert Leonard, 3,820,114.

Grannen, Edward; and Robinson, Leon, to Occidental Petroleum Corporation. Melamine base polymeric sequestering agent and process. 3,816,356, 6-11-74, Cl. 260-2.20c.

Grannen, Edward A., to Occidental Petroleum Corporation. Extraction of boron from aqueous solutions with salicyic acid derivatives and isoamyl alcohol. 3,812,238, 5-21-74, Cl. 423-283.000.

Grannen, Edward A., to Occidental Petroleum Corporation. Amine flotation reagents. 3,817,972, 6-18-74, Cl. 260-97.500.

Grannen, Edward A. Extraction of boron from aqueous solutions with salicylic acid derivatives and isoamyl alcohol. 3,839,222, 10-1-74, Cl. 252-364.000.

Grannen, Edward A.; and Robinson, Leon, to Occidental Petroleum Corporation. Microwave pyrolysis of wastes. 3,843,457, 10-22-74, Cl. 201-2.500.

Grannis, Charles O., III, to Chance, A. B., Company. Article and screw anchor-supported, load-bearing pad therefor. 3,841,032, 10-15-74, Cl. 52-27.000.

Grano, James V., to Tools and Production, Inc. Rotary punch. 3,828,632, 8-13-74, Cl. 83-345.000.

Granovsky, Semen Abramovich: *See—*
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Granquist, William T.: *See—*
Hoffman, George W.; and Granquist, William T., 3,816,343.

Granquist, William T., to NL Industries, Inc. Laminar heavy metal aluminosilicates. 3,852,405, 12-3-74, Cl. 423-118.000.

Granquist, William T., to NL Industries, Inc. Synthetic smectite compositions, their preparation and their use as thickeners in aqueous systems. 3,855,147, 12-17-74, Cl. 252-317.000.

Granseus, Folke Evert; and Borgstrom, Klas Ingvar Helmer, to Aktiebolaget Platmanufaktur. Tool for sealing a container, such as a cup, bottle, jar or the like. 3,849,971, 11-26-74, Cl. 53-329.000.

Granson, Jean; and Hennemann, Jean, to UNELEC. Combined cut-out switch and circuit breaker. 3,842,380, 10-15-74, Cl. 337-6.000.

Granson, Peter R. Combination knife & shear. 3,835,533, 9-17-74, Cl. 30-146.000.

Gransten, Gunnar Lennart, to AB Hagglund & Soner. Radial piston machine intended for use as a pump, compressor or motor. 3,807,282, 4-30-74, Cl. 91-496.000.

Granstrom, Ernst Aktiebolag: *See—*
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Granstrom, Ernst H. T., to Granstrom, Ernst Aktiebolag. Device for mounting columns. 3,805,468, 4-23-74, Cl. 52-298.000.

Grant, Andrew Campbell, to Union Carbide Corporation. Porous metallic layer formation. 3,821,018, 6-28-74, Cl. 117-94.000.

Grant, Arthur F.; and O'Malley, Donald, to Bacharach Instrument Company. Multi-mode digital control apparatus. 3,839,627, 10-1-74, Cl. 235-151.300.

Grant, Arthur G.: *See—*
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Grant, Clarence L.: *See—*
Scammon, Lawrence W., Jr.; Grant, Clarence L.; and Wilks, Phillip H., 3,811,907.

Grant, David, to International Synthetic Rubber Company Limited, The. Polymerisation catalyst. 3,821,186, 6-28-74, Cl. 260-94.90e.

Grant, Don S.: *See—*
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Grant, Frederic F. Radial differential tape drive. 3,808,902, 5-7-74, Cl. 74-277.000.

Grant, George H.; and Hadad, Joseph D., to Raytheon Company. Guidance system. 3,832,711, 8-27-74, Cl. 343-6.0df.

Grant, Gerald E.: *See—*
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Grant, Gerald William, to Fielding Plant Design Limited. Extrusion presses. 3,802,238, 4-9-74, Cl. 72-43.000.

Grant, Gerald William, to Fielding Plant Design Limited. Hydraulic extrusion presses. 3,817,073, 6-18-74, Cl. 72-263.000.

Grant, Glenn D.: *See—*
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Grant, Glenn D., to Amdahl Corporation. Clock apparatus and data processing system. 3,792,362, 2-12-74, Cl. 328-72.000.

Grant, Herbert L., to Hops Extract Corporation of America. Extraction of pure bitter acids from hops or crude hop extract. 3,787,499, 1-22-74, Cl. 260-586.00r.

Grant, James L. Physio-therapy method and apparatus. 3,824,993, 7-23-74, Cl. 128-25.00r.

Grant, John; and Fisher, Martin John, to United Kingdom Atomic Energy Authority. Fluid flow arrangement for measuring a fluid property. 3,806,408, 4-23-74, Cl. 176-19.00r.

Grant, John W.: *See—*
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Grant, John William; and Cox, Gordon John, to International Nickel Company, Inc., The. Addition alloys. 3,829,311, 8-13-74, Cl. 75-122.000.

Grant, Jon Halloran; and Pauly, Raymond W., to Hughes Aircraft Company. Current mode switch for high speed digital-to-analog conversion. 3,813,560, 5-28-74, Cl. 307-253.000.

Grant, Louis A., to United States Steel Corporation. Probe assembly. 3,830,480, 8-20-74, Cl. 266-34.01m.

Grant, Louis A., Inc.: *See—*
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Grant, Louis R., Jr.; and Gunderloy, Frank C., Jr., to North American Rockwell Corporation, mesne. Beryllium hydride compounds. 3,808,282, 4-30-74, Cl. 260-665.00r.

Grant, Louis R., Jr.; and Wagner, Ross I., to Rockwell International Corporation. Reaction of beryllium alkyl compounds with mixture of B_2H_6 and B_4H_{10}. 3,837,941, 9-24-74, Cl. 149-22.000.

Grant, Mooza V.P. Deterrent for self-destructive actions. 3,834,379, 9-10-74, Cl. 128-132.00r.

Grant, Norman G.: *See—*
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Grant, Norman H.: *See—*
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McGregor, William H.; and Grant, Norman H., 3,849,390.

Grant, Norman H.; Alburn, Harvey E.; and Fenichel, Richard L., to American Home Products Corporation. N-aminoacyl-substituted insulins. 3,823,125, 7-9-74, Cl. 260-112.700.
Grant, Norman H.; and Alburn, Harvey E., to American Home Products Corporation. 2-Phenoxyalkanoic acid esters as anticholesterol agents. 3,833,571, 9-3-74, Cl. 424-274.000.
Grant, Norman H., to American Home Products Corporation. Somatostatin as inhibiting agent in prolactin release. 3,845,204, 10-29-74, Cl. 424-177.000.
Grant, Peter John; and Jebb, Alan. Vehicle data recording device. 3,805,270, 4-16-74, Cl. 346-44.000.
Grant, Peter M.; Taylor, Robert B.; and Jackson, Winston J., Jr., to Eastman Kodak Company. Thermosetting polyester powder coating compositions. 3,842,021, 10-15-74, Cl. 260-15.000.
Grant, Philippe G. Electric wall plug. 3,783,438, 1-1-74, Cl. 339-196.00r.
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Grant, Roy Arthur, to Tasman Vaccine Laboratory Limited. Process for the purification. 3,835,041, 9-10-74, Cl. 210-21.000.
Grant, Roy Arthur, to Tasman Vaccine Laboratories Limited. Processes for the recovery of protein from waste effluents using regenerated cellulose ion-exchange resins. 3,838,143, 9-24-74, Cl. 260-112.00r.
Grant, Whitney I., to Vilter Manufacturing Corporation. Reciprocating cylinder type compressor having unloading means. 3,791,776, 2-12-74, Cl. 417-440.000.
Grant, Whitney I., to Vilter Manufacturing Corporation. Refrigeration system with liquid cooled condenser. 3,807,190, 4-30-74, Cl. 62-181.000.
Granta Corporation: *See—*
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Grantham, Frederick W. Textile folder. 3,806,007, 4-23-74, Cl. 223-37.000.
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Grantham, Frederick W. Apparatus and method for continuous drying of laundry goods. 3,854,221, 12-17-74, Cl. 34-10.000.
Grantham, Le Roy F.; and Yosim, Samuel J., to United States of America, Health, Education and Welfare. Recovery of lithium carbonate. 3,857,920, 12-31-74, Cl. 423-208.000.
Grantham, Leroy E.: *See—*
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Grantham, LeRoy F., to Rockwell International Corporation. Muffler device. 3,817,715, 6-18-74, Cl. 23-288.00f.
Grantham, Max Edward, to Tecalemit (Engineering) Limited. Drive arrangement. 3,793,902, 2-26-74, Cl. 74-50.000.
Grantham, Max Edward; and Day, Peter Charles, to Tecalemit (Engineering) Limited. Valve. 3,807,424, 4-30-74, Cl. 137-106.000.
Grantham, Max Edward, to Tecalemit (Engineering) Limited. Valve assembly having an actuator with a camming ball. 3,814,128, 6-4-74, Cl. 137-624.130.
Grantham, Rodney E., to United States of America, Navy. Magnetohydrodynamic generator for ballistic missiles. 3,826,451, 7-30-74, Cl. 244-1.0ss.
Grants, Valdis: *See—*
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Grantt, David Lawrence; Stone, Dan Frederick; and Townsend, Timothy Joseph, said Grantt and Townsend assors. to said Stone, Dan Frederick. Insulated container pack. 3,848,766, 11-19-74, Cl. 220-9.00f.
Granzow, Daniel B.; Malloney, William R.; and Miles, William B., to Addressograph-Multigraph Corporation. Combined facsimile receiving and sending unit. 3,845,239, 10-29-74, Cl. 178-6.000.
Granzow, Kurt H.: *See—*
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Graphic Controls Corporation: *See—*
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Graphic Engineers, Inc.: *See—*
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Grard, Charles, to Rhone-Poulenc S.A. Process for the preparation of substituted aromatic compounds. 3,833,677, 9-3-74, Cl. 260-668.00r.
Gras, Elie, to Etablissements Anver S.A. Method of molding plastics to the surface of a backing material imitative of leather, fabrics and the like. 3,785,900, 1-15-74, Cl. 156-245.000.
Gras, Georges: *See—*
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Grasemann, Horst; and Rose, Hermann, to Chemische Werke Huls Aktiengesellschaft. Continuous dehydration apparatus. 3,791,435, 2-12-74, Cl. 159-25.000.
Grasemann, Horst; and Rose, Hermann, to Chemische Werke Huls Aktiengesellschaft. Recovery of components from the alkaline wash water of oxidation tailings. 3,793,373, 2-19-74, Cl. 260-586.00a.
Graser, Adalbert, to Steiger A.G. Folding box. 3,829,004, 8-13-74, Cl. 229-33.000.
Graser, Anton, to Universal Maschinenfabrik Dr. Rudolf Schieber KG. Needle breakage safety device. 3,838,584, 10-1-74, Cl. 66-165.000.
Graser, Fritz; and Bock, Gustav, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 0,14-Dichloropyranthrone. 3,790,603, 2-5-74, Cl. 260-360.000.
Graser, Fritz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Perylene-3,4,9,10-tetracarboxylic acid-bis-(2-amide-4-methyl-pyrimidine. 3,792,051, 2-12-74, Cl. 260-256.40n.
Graser, Fritz; and Kilpper, Gerhard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dyes of the perylenetetracarboxylic acid diimide series. 3,842,083, 10-15-74, Cl. 260-281.000.
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Grass, Jerome A.: *See—*
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Graves, Richard A., to U-Line Corporation. Combination ice cube maker and refrigerator. 3,788,089, 1-29-74, Cl. 62-137.000.
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Greason, Craig P. Continuous web with separable segmented envelopes and order coupons. 3,813,028, 5-28-74, Cl. 229-70.000.
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Greatbatch, Wilson; and Mead, Ralph T., to Greatbatch, Wilson, Ltd. Lithium iodine battery. 3,817,791, 6-18-74, Cl. 136-83.00r.
Greatbatch, Wilson, to Medtronic, Inc., mesne. Rate controller and checker for a cardiac pacer pulse generator means. 3,830,242, 8-20-74, Cl. 128-419.00p.
Greatbatch, Wilson, to Greatbatch, Wilson, Ltd. Device for converting nuclear energy into electrical energy. 3,836,798, 9-17-74, Cl. 310-3.000.
Greatbatch, Wilson, Ltd.: *See—*
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Greatline, Stanley E.; and Grismore, Fred Leland, to Southern Illinois University Foundation. Airborne navigation apparatus. 3,787,860, 1-22-74, Cl. 343-106.00r.
Greaves, Bruce Bousfield, to Cumberland Engineering Company Limited, The. Electrolyzer including rotatable bipolar electrodes. 3,790,464, 2-5-74, Cl. 204-212.000.
Greaves, Melvin J.; and Werner, Tage, to McKee, Arthur G., & Company. Supporting apparatus for vessels. 3,786,606, 1-22-74, Cl. 52-223.000.
Greavu, Nicolae: *See—*
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Greb, Kenneth W.; and Greb, Daniel W. Paper clip dispenser. 3,786,959, 1-22-74, Cl. 221-261.000.
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Grebe, Kurt R., to International Business Machines Corporation. Masking of deposited thin films by use of a masking layer photoresist. 3,849,136, 11-19-74, Cl. 96-36.200.
Grebe, Ludwig: *See—*
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Grebe, Ludwig, to Kramer & Grebe K.G., Maschinen- und Modellfabrick. Packing machine. 3,857,222, 12-31-74, Cl. 53-112.00a.
Grebene, Alan B., to Signetics Corporation. Voltage controlled oscillator with temperature compensating bias source. 3,857,110, 12-24-74, Cl. 331-108.00d.
Grebennikov, Vladimir Vissarionovich: *See—*
Barsukov, Vladimir Vasilievich; Burakov, Savely Leonidovich; Grebennikov, Vladimir Vissarionovich; Kalashnikov, Petr Georgievich; Krasnov, Miron Vasilievich; Kuperman, Alexandr Yankelevich; Mikotin, Evgeny Emelyanovich; Nikolaenko, Evgeny Grigorievich; Steanov, Alexandr Nikolaevich; Tsarev, Georgy Grigorievich; Yarovinsky, Grigory Abramovich; and Yassky, Dolya Iosifovich, 3,794,106.
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Grebenstein, Hermann, to Dehler-Wyhlen-Lagertechnik AG. Load raising and lowering. 3,796,285, 3-12-74, Cl. 187-20.000.
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Grebert, Robert: *See—*
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Greefkes, Johannes Anton, to U.S. Philips Corporation. Transmitter for the transmission of signals by pulse code modulation. 3,831,092, 8-20-74, Cl. 325-38.00b.
Greeley, Michael. Bar device for keyed locks. 3,820,364, 6-28-74, Cl. 70-419.000.
Green, A. P., Refractories Co.: *See—*
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Green, Angelica G., to Kimberly-Clark Corporation. Disposable gown with multiple flaps and closures. 3,824,625, 7-23-74, Cl. 2-114.000.

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Green Bay Research Corporation, mesne: *See—*
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Green, Bernard J.; and Green, Milton J. Vehicle wheel weight locator. 3,810,392, 5-14-74, Cl. 73-458.000.

Green, Bernard Leslie: *See—*
Aitken, John Stuart; Green, Bernard Leslie; and Cormie, William Alexander, 3,857,290.

Green, Brian Noel, to Associated Electrical Industries Limited. Mass spectrometers and mass spectrometry. 3,814,936, 6-4-74, Cl. 250-295.000.

Green, Carl Donald, 25% to Greer, Harry D. Refuse container cart with improved lid-actuating handle. 3,830,514, 8-20-74, Cl. 280-47.240.

Green, Charles A. Flotation machine and impeller therefor. 3,843,101, 10-22-74, Cl. 259-96.000.

Green, Charles Donald: *See—*
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Green, Charles J., to Estes Industries Inc., mesne. Toy rocket motor with pressure-responsive means activated by propellant pressure. 3,820,275, 6-28-74, Cl. 46-74.00b.

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Green, David T.; and Bryan, Graham W., to United States Surgical Corporation. Gas powered driving unit for surgical instrument. 3,815,476, 6-11-74, Cl. 91-410.000.

Green, David T., to United States Surgical Corporation. Powering instrument for stapling skin and fascia. 3,837,555, 9-24-74, Cl. 227-130.000.

Green, Dennis Clinton; and Young, William Robert, to International Business Machines Corporation. Nematic materials. 3,836,478, 9-17-74, Cl. 252-408.000.

Green, Derek, to United Kingdom Atomic Energy Authority. Closures for pressure vessels. 3,806,303, 4-23-74, Cl. 425-451.000.

Green, Derek, to United Kingdom Atomic Energy Authority. Forming of materials. 3,824,825, 7-23-74, Cl. 72-60.000.

Green, Donald R. Vehicle load measuring using a shock absorber and variable resistor. 3,857,093, 12-24-74, Cl. 324-65.00r.

Green, Donald T.; and Snarr, James L., to Imagex, Inc. X-ray tire inspection machine. 3,789,226, 1-29-74, Cl. 250-360.000.

Green, Edgar E. Trailer hitch safety device. 3,790,192, 2-5-74, Cl. 280-507.000.

Green, Edgar E., to Abbott, Paul, Co., Inc. Tool bar mounting clamp. 3,837,408, 9-24-74, Cl. 172-702.000.

Green, Edward H. Mounting cover for pressurized fluid canister. 3,827,608, 8-6-74, Cl. 222-402.160.

Green, Edward H. Aerosol valve and sprayhead. 3,830,412, 8-20-74, Cl. 222-402.240.

Green, Ellis J., to Stone & Webster Engineering Corporation. Process for removing acid gases from a gas stream. 3,829,521, 8-13-74, Cl. 260-677.00a.

Green, Elmer E.: *See—*
Hartzell, Rex A.; Callies, Duane L.; Spencer, Wendell H.; Albright, Darrell; and Green, Elmer E., 3,821,949.

Green, Eugene D., to General Dynamics Corporation. Method of diffusion molding. 3,826,807, 7-30-74, Cl. 264-29.000.

Green, Franklin L. Combination electrical switch. 3,801,761, 4-2-74, Cl. 200-43.000.

Green, Geoffrey; Overell, Brian George; and Pratt, Anthony Michael, to Beecham Group, Limited. Process for preparing injectionable compositions. 3,792,159, 2-12-74, Cl. 424-91.000.

Green, George: *See—*
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Green, George W. H., to Eastman Kodak Company. Clip for sheet material. 3,807,002, 4-30-74, Cl. 24-250.00r.

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Green, Harold: *See—*
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Green, Harold A.; and Petrella, Robert G., to Air Products and Chemicals, Inc. Low temperature epoxy curing accelerators special tertiary amine salts. 3,814,764, 6-4-74, Cl. 260-268.00t.

Green, Henry L. Hand-held cardiac sound tone diagnostic device and method. 3,830,227, 8-20-74, Cl. 128-2.06r.

Green Hydraulics, Inc.: *See—*
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Green, Ian MacDonald, to EMI Limited. Colour television cameras. 3,813,490, 5-28-74, Cl. 178-5.4st.

Green, Ian MacDonald, to EMI Limited. Single tube colour television camera with recovery of index signal for elemental color component separation. 3,840,696, 10-8-74, Cl. 358-45.000.

Green, James E. Analysis method and apparatus utilizing color algegra and image processing techniques. 3,851,156, 11-26-74, Cl. 235-151.300.

Green, James H., to United States of America, Navy. Circuit breaker assembly with interposed wedge non-conductor and complementary housing arc-prevention structure. 3,842,228, 10-15-74, Cl. 200-151.000.

Green, James Ralph, to Du Pont de Nemours, E. I., and Company. Product and process. 3,849,181, 11-19-74, Cl. 117-106.00r.

Green, Jeffrey Alan; Magid, Louis; and Sleezer, Paul Edward, to Hoffmann-La Roche Inc. Chewable sodium-free vitamin C tablets. 3,857,939, 12-31-74, Cl. 424-157.000.

Green, John S.; Luttrell, John E.; and Schmitz, James E., to Carborundum Company, The. Media for wound filter elements. 3,828,934, 8-13-74, Cl. 210-457.000.

Green, Joseph: *See—*
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Green, Joseph, to Cities Service Company. Flame retardant compositions. 3,819,575, 6-25-74, Cl. 260-45.75r.

Green, Joseph; and Roth, Shirley H., to Cities Service Company. Intumescent composition. 3,855,134, 12-17-74, Cl. 252-8.100.

Green, Joseph H. Automatic slack adjuster for cable cylinder assembly. 3,810,397, 5-14-74, Cl. 74-110.000.

Green, Leon G., to Metropolitan Petroleum Petrochemicals Co., Inc. Boom as a barrier for oil slicks and the like on the surface of water. 3,839,869, 10-8-74, Cl. 61-1.00f.

Green Martin, to Girling Limited. Adaptor assemblies for connecting complementary members. 3,799,588, 3-19-74, Cl. 285-158.000.

Green, Martin. Annular seal. 3,829,104, 8-13-74, Cl. 277-29.000.

Green, Maurice Berkeley: *See—*
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Green, Maurice E., Jr.: *See—*
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Green, Max L., to Relton Corporation. Apparatus for cutting holes in porcelainized metal. 3,849,019, 11-19-74, Cl. 408-142.000.

Green, Melvin Perry. Mechanism for forming a foundation. 3,785,606, 1-15-74, Cl. 249-3.000.

Green, Milton: *See—*
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Green, Norman; McGill, Robert L., Jr.; and Vergara, William C., to Bendix Corporation, The. Digitally controlled phase shifter. 3,817,582, 6-18-74, Cl. 307-262.000.

Green, Norman; and Vergara, William C., to Bendix Corporation, The. Telephone line receiver and transmitter. 3,818,140, 6-18-74, Cl. 179-2.00c.

Green, Parish O. Credit card cleaning system. 3,800,349, 4-2-74, Cl. 15-4.000.

Green Peter L.; Lenfesty, Gordon A.; Talbot, Edmund H.; Joslin, Allen; and Kovacevic, Vukasin, to Imperial Modular Systems, Ltd., mesne. Modular building construction. 3,808,761, 5-7-74, Cl. 52-300.000.

Green, Ralph V., to Du Pont de Nemours, E. I., and Company. Reforming process. 3,827,987, 8-6-74, Cl. 252-373.000.

Green, Raymond J., to General Motors Corporation. Anti-friction bearing idler assembly. 3,833,278, 9-3-74, Cl. 308-190.000.

Green, Raymond J., to General Motors Corporation. Clamp assembly. 3,851,849, 12-3-74, Cl. 248-503.000.

Green, Raymond J., to General Motors Corporation. Rotary engine anti-spin oil seal arrangement. 3,853,440, 12-10-74, Cl. 418-142.000.

Green, Raymond J.; and Koivunen, Erkki A., to General Motors Corporation. Rotary engine oil lubrication system. 3,855,987, 12-24-74, Cl. 123-196.00r.

Green, Richard F.; Anderson, Albert E.; and Guarino, Alexander J., to Textron Inc. Hand held power tool with duplex handle. 3,844,360, 10-29-74, Cl. 173-170.000.

Green, Richard L., to Monsanto Company. Grease compositions having high tractive coefficients. 3,835,050, 9-10-74, Cl. 252-28.000.

Green, Robert E. Electrónic isothermal device. 3,816,702, 6-11-74, Cl. 219-413.000.

Green, Robert Leonard, to Granley Products (London) Limited. Testing device. 3,820,114, 6-25-74, Cl. 343-17.700.

Green, Rollo G. Mail candling apparatus. 3,799,337, 3-26-74, Cl. 209-111.700.

Green, Ronald Frederick; and Nicholas, Stephen John, to Girling Limited. Servo Motors. 3,807,280, 4-30-74, Cl. 91-369.00b.

Green, Sam J., to Champion Spark Plug Company. Spark plug with glow plug. 3,851,637, 12-3-74, Cl. 123-169.0pb.

Green, Samuel I.; and Dreiseverd, Douglas W., to United States of America. Gated detector synchronization. 3,832,543, 8-27-74, Cl. 250-199.000.

Green, Stanley, to Lucas, Joseph, (Industries) Limited. Vehicle lamps. 3,819,931, 6-25-74, Cl. 240-103.00r.

Green, Sydney James: *See—*
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Green, Talmage O., to Snap-on Tools Corporation. Automatic release wrench of the preset type. 3,847,038, 11-12-74, Cl. 81-52.40r.

Green, Terence C.: *See—*
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Green, Walter L.: *See—*
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Green, Wendel C.; Webster, Charles W.; Sharkitt, Patrick J.; and Hayden, Richard R., to Sigma Systems, Inc. Communications system with error detection and retransmission. 3,824,547, 7-16-74, Cl. 340-146.1ba.

Green, Wilbur. Inclinometer. 3,845,570, 11-5-74, Cl. 33-401.000.

Green, Willard B., Jr.: *See—*
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Green, William B., to Texaco Inc. Extreme pressure grease with improved wear characteristics. 3,844,955, 10-29-74, Cl. 252-21.000.

Green, William C.: *See—*
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Green, William J.; and Hepworth, Cloyd, said Green assor. to Morris, Grant I. Multiple outlet adjustable sprinkler head. 3,830,434, 8-20-74, Cl. 239-562.000.

Green, William P.: *See—*
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Green, William S.; and Newman, John W., to Ashland Oil, Inc. Process for pretreating mixed hydrocarbon dealkylation stock. 3,855,114, 12-17-74, Cl. 208-121.000.

Greenamyer, Charles E., to Building Structural Systems, Inc. Building structural system. 3,793,789, 2-26-74, Cl. 52-463.000.

Greenaway, David Leslie: *See—*
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Greenaway, David Leslie, to RCA Corporation. Identification card decoder. 3,819,911, 6-25-74, Cl. 235-61.11e.

Greenberg, Abraham: *See—*
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Greenberg, Bessie R. Rotary pinking shear device. 3,815,231, 6-11-74, Cl. 30-228.000.

Greenberg, David R., to Instrument Systems Corporation. Self-test arrangement for an entertainment-service system. 3,856,996, 12-24-74, Cl. 179-175.000.

Greenberg, Donald K., to Barnes Drill Company. Apparatus for separating particles from liquid. 3,840,120, 10-8-74, Cl. 210-167.000.

Greenberg, Donald K., to Barnes Drill Company. Clamping fixture for a tubular workpiece. 3,844,546, 10-29-74, Cl. 269-22.000.

Greenberg, Harold L., to United States of America, Navy, mesne. Urethane propellant composition. 3,809,585, 5-7-74, Cl. 149-19.400.

Greenberg, Jonathan S.: *See—*
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Greenberg, Lawrence J.; and Hyman, Gregory E. Education apparatus. 3,795,989, 3-12-74, Cl. 35-9.00b.

Greenberg, Leonard E.: *See—*
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Greenberg, Melvin, to United States of America, Navy. Method and formulations for producing diffuse infrared reflection coating. 3,816,271, 6-11-74, Cl. 204-51.000.

Greenberg, Sanford D.: *See—*
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Greenberg, Sanford D., DT Liquidating Partnership: *See—*
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Greenberg, Sanford G.: *See—*
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Greenberg, Seymour. Folding table. 3,857,343, 12-31-74, Cl. 108-133.000.

Greenberg, Sherry F. Foot operated game apparatus. 3,811,676, 5-21-74, Cl. 273-110.000.

Greenberg, Theodore H., 45% to Graff, Henry and 10% to Fishkin, Richard. Portable simulated golf game. 3,801,101, 4-2-74, Cl. 273-87.200.

Greenberg, Walter H., to Bischoff Chemical Corporation. Mixing of molten plastic and gas. 3,796,779, 3-12-74, Cl. 264-50.000.

Greenberg, Walter H.; and Nussbaum, Frank J., to Bischoff Chemical Corporation. Injection molding machine with adjustable nozzle length means. 3,843,295, 10-22-74, Cl. 425-248.000.

Greenberger, Joseph Irwin, to Wean United, Inc. Method of and apparatus for handling fiberboard. 3,791,538, 2-12-74, Cl. 214-16.600.

Greenberger, Joseph Irwin; and Ciochetto, Joseph James, to Wean United, Inc. Vessel handling apparatus for continuous casting machine. 3,817,318, 6-18-74, Cl. 164-281.000.

Greenberger, Joseph Irwin, to Wean United, Inc. Strip jointing apparatus for rolling mills and the like. 3,837,559, 9-24-74, Cl. 228-4.000.

Greenberger, Joseph Irwin, to Wean United, Inc. Tension levelling of strip. 3,839,888, 10-8-74, Cl. 72-17.000.

Greenberger, Joseph Irwin, to Wean United, Inc. Coarse and vernier roll position system for a rolling mill. 3,852,984, 12-10-74, Cl. 72-21.000.

Greenblatt, Allan: *See—*
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Greenblatt, David; and Greenblatt, Allan. Method and apparatus for making scuff slippers and the like. 3,800,445, 4-2-74, Cl. 36-14.000.

Greenblatt, Irwin; and Marino, Nicholas A., to Sears, Roebuck and Co. Brassiere. 3,814,107, 6-4-74, Cl. 128-480.000.

Greenblatt, Louis W. Rechargeable battery pack for portably camera. 3,782,814, 1-1-74, Cl. 352-242.000.

Greenblatt, Stanley L. Method and apparatus for automatically combining textual and graphic matter. 3,801,201, 4-2-74, Cl. 355-40.000.

Greene, Alan D. Apparatus for securing articles. 3,784,232, 1-8-74, Cl. 281-20.000.

Greene, Charles H. Drill proof plate for safes. 3,807,970, 4-30-74, Cl. 29-196.000.

Greene, Clarence Kirk. Hydraulic drive for trucks, trailers and truck-trailer combinations. 3,817,341, 6-18-74, Cl. 180-14.00d.

Greene, Frederick C., to Shepherd Products U.S. Inc. Method of assembling supporting pins within a caster wheel pivot boss bore. 3,834,006, 9-10-74, Cl. 29-436.000.

Greene, Frederick D. Diaziridinones. 3,804,829, 4-16-74, Cl. 260-239.0aa.

Greene, Helen R. Soil-loosening rotary hoe. 3,812,920, 5-28-74, Cl. 172-350.000.

Greene, Henry E., Jr., to Waldon Devices, Inc. Garden hose evacuating device. 3,845,779, 11-5-74, Cl. 137-209.000.

Greene, James E., Jr., to Westinghouse Electric Corporation. Channel delay checkback apparatus. 3,849,763, 11-19-74, Cl. 340-147.00r.

Greene, James M., to Lilly, Eli, and Company. Process for preparing 7-(α-hydroxy-αphenyl) acetamido-3-(1-methyl-1H-tetrazol-5-ylthiomethyl)-3-cephem-4-carboxylic acid and derivatives thereof. 3,840,531, 10-8-74, Cl. 260-243.00c.

Greene, Jerrold W.: *See—*
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Greene, Joseph E.: *See—*
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Greene, Kenneth F.: *See—*
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Greene, Leonard M. Ski binding. 3,825,273, 7-23-74, Cl. 280-11.35k.

Greene, Leonard M., to Safe Flight Instrument Corporation. Defective battery condition/charging system warning device. 3,835,362, 9-10-74, Cl. 320-25.000.

Greene, Leonard M., to Safe Flight Instrument Corporation. Marine automatic pilot rudder motor control system. 3,838,656, 10-1-74, Cl. 114-144.00r.

Greene, Leonard M., to Safe Flight Instrument Corporation. Altitude alerting instrument. 3,852,711, 12-3-74, Cl. 340-27.00r.

Greene, Leonard N., to Safe Flight Instrument Corporation. Device for selectively preventing rotation of the upper end of a reefed sail and particularly a head sail such as a jib. 3,851,610, 12-3-74, Cl. 114-106.000.

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Greene, Richard F.; Schoolar, Richard B.; and Scharnhorst, Peter, to United States of America, Navy. Photoconductively activated gated, infrared charge coupled imaging device (Pagircod) 3,842,274, 10-15-74, Cl. 250-330.000.

Greene, Richard M., to MOS Technology, Inc. Semiconductor device and circuits. 3,855,581, 12-17-74, Cl. 340-173.00r.

Greene, Robin Nikolas; and Sohl, Edward, to Du Pont de Nemours, E. I., and Company. Fluid, hydroxyl-terminated ethylene/propylene copolymers. 3,857,826, 12-31-74, Cl. 260-88.20r.

Greene, Samuel. Swimming pool coping. 3,785,099, 1-15-74, Cl. 52-102.000.
Greene, Samuel. Octagonal swimming pool. 3,840,908, 10-15-74, Cl. 4-172.190.
Greene, William H. Tool for removing lightbulb bases and cleaning lightbulb sockets. 3,797,055, 3-19-74, Cl. 7-1.00g.
Greenerd Press Machine Company, Inc.: *See*—
LaFlamme, Philip A.; and Couture, Romeo E., 3,827,328.
Greenewald, Herbert, Jr. Indirect arc metal melting furnace. 3,821,455, 6-28-74, Cl. 13-9.000.
Greenfield, Charles; Casparian, Robert E.; and Bonanno, Anthony J., to Hanover Research Corporation. Process and apparatus for recovering residual oil from solids dehydrated in an oil medium and grossly deoiled. 3,855,079, 12-17-74, Cl. 203-47.000.
Greenfield, George L., to Milchem Incorporated. Acrylic compositions. 3,787,488, 1-22-74, Cl. 260-537.00s.
Greenfield, Jeremy: *See*—
Trevoy, Lloyd Woodbury; Greenfield, Jeremy; Bigland, Christopher Hedley; Milligan, James Douglas; and Moisey, John Roman, 3,821,412.
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Miller, George A.; and Greenfield, Stanley A., 3,829,492.
Seidel, Michael C.; Von Meyer, William C.; and Greenfield, Stanley A., 3,795,679.
Seidel, Michael C.; von Meyer, William C.; and Greenfield, Stanley A., 3,824,312.
Greenfield, Stanley A., to Rohm & Haas Company. 1,3-Dithietanes. 3,846,448, 11-5-74, Cl. 260-327.00m.
Greengrass, Jane: *See*—
Gaskell, Philip Hedley; Loftus, James Peter; and Greengrass, Jane, 3,846,101.
Greenhalgh, Colin William: *See*—
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Greenhalgh, Howard N. Parachutist's glider. 3,813,061, 5-28-74, Cl. 244-16.000.
Greenhill, Derek Howard. Sensing and control system. 3,786,470, 1-15-74, Cl. 340-267.00r.
Greenhut, Joseph. Rotary centrifugal speed-responsive control device. 3,793,891, 2-26-74, Cl. 73-538.000.
Greenlay, Charles A.: *See*—
Lambert, Gerard L.; and Greenlay, Charles A., 3,853,235.
Greenlay, Charles A.; and Andreas, Ehrhardt, to Hazemag Hartzerkleinerungs- und Zement-Maschinenbau Gesellschaft m.b.H. Recovery of asbestos fibers from asbestos ore. 3,788,562, 1-29-74, Cl. 241-4.000.
Greenleaf, Allen H., to Itek Corporation. Multielement window. 3,788,730, 1-29-74, Cl. 350-179.000.
Greenleaf Holdings, Limited: *See*—
Mackin, Wilson Joseph, 3,786,712.
Greenleaf, Jack T., to General Motors Corporation. Process for manufacturing curved channeled members. 3,787,960, 1-29-74, Cl. 29-477.000.
Greenleaf, Jack T., to General Motors Corporation. Process for manufacturing curved channeled members. 3,851,517, 12-3-74, Cl. 72-352.000.
Greenlee Bros. & Company: *See*—
Hagemeyer, Kenneth L., 3,813,914.
Seborg, Earnest Y.; and Wanke, Harold R., 3,827,683.
Greenly, Robert B., to Singer Company, The. Training apparatus for firearms use. 3,849,910, 11-26-74, Cl. 35-25.000.
Greenman, Seymour Maurice: *See*—
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Greenshields, James Nairn; Jones, Ida May; Moilliet, John Lewis; and Poole, Victor David, to Imperial Chemical Industries, Limited. Colouration process. 3,787,173, 1-22-74, Cl. 8-1.00e.
Greenspan, Donald J., to U.S. Medical Research & Development, Inc. Method of using a serum separator. 3,799,342, 3-26-74, Cl. 210-73.000.
Greenspan, Marshall: *See*—
Danzer, Paul M.; and Greenspan, Marshall, 3,845,481.
Greenview Manufacturing Company: *See*—
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Greenwald, Donald J.; and Holtey, Thomas O., to Honeywell Information Systems Inc. Nonexecute test apparatus. 3,831,148, 8-20-74, Cl. 340-172.500.
Greenwald, Fred: *See*—
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Greenwald, Harry, to Kidde, Walter, & Company, Inc. Anti-pick lock assembly. 3,783,661, 1-8-74, Cl. 70-419.000.
Greenwald, Harry, to Kidde, Walter, & Company, Inc. Coin controlled appliance timer. 3,810,396, 5-14-74, Cl. 74-107.000.
Greenwald, Harry; and Tuppo, Robert, to Kidd, Walter, & Company, Inc. Replaceable cam switching device for a coin controlled machine. 3,827,541, 8-6-74, Cl. 194-1.001.
Greenwald, Harry, to Craftics, Inc. Method and apparatus for heat softening plastic articles. 3,856,458, 12-24-74, Cl. 432-5.000.
Greenwald, Michael, to Amtel, Incorporated. Garment display device. 3,837,544, 9-24-74, Cl. 223-87.000.
Greenwald, Richard B.: *See*—
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Evans, David H.; and Greenwald, Richard B., 3,833,657.
Greenwald, Robert J. Fecal examination device. 3,819,045, 6-25-74, Cl. 209-17.000.
Greenwald, Warren E., to Vishay Intertechnology, Inc. Mechanical force gauge. 3,842,666, 10-22-74, Cl. 73-141.00a.
Greenway, John Michael: *See*—
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Greenwell, Jack E., to Lear Motors Corporation. Induction motor system with constant horsepower. 3,838,322, 9-24-74, Cl. 318-225.00r.
Greenwell, Jack E., to Lear, Wm., Enterprises, Inc. Induction motor system with constant torque. 3,854,077, 12-10-74, Cl. 318-227.000.
Greenwood, Aaron O.; Magee, Ramon J.; and Otto, Stanley W., to Hallmark Cards, Incorporated. Rotary screen printing cylinder. 3,783,779, 1-8-74, Cl. 101-127.000.
Greenwood, Alan to Goodyear Tire & Rubber Company, The. Segmented tire mold apparatus. 3,797,979, 3-19-74, Cl. 425-47.000.
Greenwood, Arthur R.: *See*—
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Greenwood, Arthur R., to Universal Oil Products Company. Particle disengaging and fines removal. 3,825,116, 7-23-74, Cl. 209-141.000.
Greenwood, Arthur R.; and Vesely, Kenneth D., to Universal Oil Products Company. Continuous conversion and regeneration process. 3,838,038, 9-24-74, Cl. 208-108.000.
Greenwood, Arthur R.; Stevens, Richard L.; Plackmann, Daniel G.; and Kiel, Wesley L., to Universal Oil Products Company. Controlled inter-reactor catalyst transport method. 3,839,197, 10-1-74, Cl. 208-174.000.
Greenwood, Arthur R., to Universal Oil Products Company. Method for solids-withdrawal and transport from a superatmospheric pressure system. 3,856,662, 12-24-74, Cl. 208-171.000.
Greenwood, David: *See*—
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Greenwood, David L. Compartmented pouch. 3,809,224, 5-7-74, Cl. 206-219.000.
Greenwood, Gordon N. Dismantable porch installation. 3,808,757, 5-7-74, Cl. 52-184.000.
Greenwood, Ivan A.: *See*—
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Greenwood, James, to Carborundum Company, The, mesne. Coated abrasive articles having a plasticized polyvinyl acetate supersize coat. 3,795,496, 3-5-74, Cl. 51-295.000.
Greenwood, John Christopher, to International Standard Electric Corporation. Method for making glass optical fibre preform. 3,853,521, 12-10-74, Cl. 65-71.000.
Greenwood, John Christopher, to International Standard Electric Corporation. Piezoresistive glass stress transducer. 3,854,112, 12-10-74, Cl. 338-47.000.
Greenwood, Kurt, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Jet operated weaving machine. 3,818,951, 6-25-74, Cl. 139-127.000.
Greenwood, Roger; and Roberts, Thomas, to International Teleph ne and Telegraph Corporation. Combination valve and component thereof. 3,799,193, 3-26-74, Cl. 137-525.000.
Greenwood, Roger; and Roberts, Thomas A., to International Telephone and Telegraph Corporation. Combustion valve and components thereof. 3,814,132, 6-4-74, Cl. 137-625.640.
Greenwood, Roger; and Van Bellen, Leo William, to International Telephone and Telegraph Corporation. Fluid flow control manifolds and devices. 3,815,633, 6-11-74, Cl. 137-625.270.
Greenwood, Roger; and McGregor, Donald F., to International Telephone and Telegraph Corporation. Poppet valve. 3,820,755, 6-28-74, Cl. 251-85.000.
Greenwood, Walter, Jr. Accumulating conveyor system. 3,794,158, 2-26-74, Cl. 198-223.000.
Greeott, George S. Tool for tightening fence wires or the like. 3,831,642, 8-27-74, Cl. 140-106.000.
Greer, David L., to General Electric Company. Multiple level associative logic circuits. 3,816,725, 6-11-74, Cl. 235-152.000.

Greer, David L., to General Electric Company. Electrically programmable logic circuits. 3,818,452, 6-18-74, Cl. 340-166.00r.
Greer, David L., to General Electric Company. Segmented associative logic circuits. 3,849,638, 11-19-74, Cl. 235-152.000.
Greer, Edward M. Hydro-pneumatic flexible bladder accumulator. 3,847,182, 11-12-74, Cl. 138-30.000.
Greer, F. Conrad. Pump system. 3,802,802, 4-9-74, Cl. 417-98.000.
Greer, Frances A., to International Minerals & Chemical Corporation. Resin acid modified oilseed meal. 3,852,499, 12-3-74, Cl. 426-93.000.
Greer, Harry D.: *See*—
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Greer, Jimmy E., to Guardian Industries Corporation. Photographic print cutter. 3,813,976, 6-4-74, Cl. 83-211.000.
Greer, Richard R. Wave force absorbing device. 3,804,049, 4-16-74, Cl. 114-67.00a.
Greer, Richard R. Watercraft. 3,820,490, 6-28-74, Cl. 114-66.50h.
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Greer, William S., 1/2 interest to McAlpin, Courtenay W. Electrode holder with power disconnect. 3,828,160, 8-6-74, Cl. 219-141.000.
Greeson, Henry Edward, to British Steel Corporation and Borax Consolidated Limited. Inclusion of hydroboracite in additive composition and use thereof in steel refining. 3,827,880, 8-6-74, Cl. 75-53.000.
Greeson, James C., Jr.: *See*—
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Greeson, James C., Jr., to International Business Machines Corporation. Sustain sequence circuitry for gas panel display devices. 3,851,211, 11-26-74, Cl. 315-169.0tv.
Greet, John D., to American Science & Engineering, Inc. Educational inqutry box toys. 3,805,415, 4-23-74, Cl. 35-22.00r.
Greever, James E., to Carrier Corporation. Method of producing a plastic bond between first and second tubular tube members. 3,796,783, 3-12-74, Cl. 264-135.000.
Greever, James E., to Carrier Corporation. Apparatus for coating the interior end portion of a tube joint. 3,817,210, 6-18-74, Cl. 118-408.000.
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Greger, William J., to Nortec Electronics Corporation. Controlled squarewave voltage generating electronic circuit. 3,795,827, 3-5-74, Cl. 307-279.000.
Gregersen, Jack K.: *See*—
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Gregerson, David A.; and Arora, Vinod K., to Philco-Ford Corporation. Combination pressure relief and anti-slugging valve for a screw compressor. 3,809,510, 5-7-74, Cl. 418-201.000.
Gregg, David F., Jr. Miscellaneous article holding and storing tray with detachable hold-down anchoring means. 3,804,233, 4-16-74, Cl. 206-19.500.
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Gregg, David Paul. Scanning mechanism for film developer, and the like. 3,783,266, 1-1-74, Cl. 240-10.100.
Gregg, David Paul. Intravenous feeding apparatus. 3,832,998, 9-3-74, Cl. 128-214.00e.
Gregg, David W., to United States of America, Atomic Energy Commission. Laser pulse tailoring method and means. 3,826,561, 7-30-74, Cl. 350-204.000.
Gregg, George L.; Kopala, Stanley J.; Mazzio, Anthony J.; Altieri, Anthony, Jr.; and Flosi, Vincent F., to Dick, A. B., Company. Image, reproduction machine with improved exposure station for making variable size copies. 3,806,241, 4-23-74, Cl. 355-13.000.
Gregg, Jack C.; and Davis, Samuel L. Piston puller. 3,786,551, 1-22-74, Cl. 29-266.000.
Gregg, Joseph, Jr., to Jab Company, Inc. Multiple condition sensing and audio warning system. 3,798,672, 3-19-74, Cl. 360-12.000.
Gregg, Joseph, Jr.; and Hannigan, John Paul, to Jab Company, Inc. Audio alarm system. 3,858,195, 12-31-74, Cl. 340-311.000.
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Gregg, Paul S., to Ransburg Electro-Coating Corporation. Spark detector apparatus and method. 3,787,707, 1-22-74, Cl. 317-9.00r.
Gregg, Richard C. Rain cap. 3,855,634, 12-24-74, Cl. 2-172.000.
Gregg, Woodrow W. Automatic shotgun choke. 3,831,306, 8-27-74, Cl. 42-79.000.
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Gregor, Lawrence V.; and Maissel, Leon L., to International Business Machines Corporation. Method for passivating semiconductor material and field effect transistor formed thereby. 3,783,119, 1-1-74, Cl. 204-192.000.
Gregor, Manfred: *See*—
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Gregori, Werner K. H., to Roher-Bohm Limited. Foamed plastic concrete form with fire resistant tension member. 3,788,020, 1-29-74, Cl. 52-309.000.
Gregorian, Claude: *See*—
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Gregorian, Razmic S.; and Hoernle, Hans R., to United Merchants and Manufacturers, Inc. Process for treating fabrics and fabrics obtained therefrom. 3,797,996, 3-19-74, Cl. 8-114.500.
Gregorian, Razmic S.; and Hoernle, Hans R., to United Merchants and Manufacturers, Inc. Process for treating fabrics. 3,856,598, 12-24-74, Cl. 156-85.000.
Gregoric, Bran F. Self-propelled hydraulically driven vehicle. 3,811,704, 5-21-74, Cl. 280-216.000.
Gregorie, Keith E.; and Pfefferlen, Henry C., to United States of America, Atomic Energy Commission. Thermal switch-heat pipe. 3,854,524, 12-17-74, Cl. 165-32.000.
Gregornik, Norman W.; and Swanson, Frank D., to Honeywell Inc. Low temperature epoxy resin curing agent comprising blend of an anhydride mixture, an anhydride half ester, and uranyl salt. 3,852,245, 12-3-74, Cl. 260-59.000.
Gregorovich, Charles J.; and Adams, Robert W., to Minster Machine Company, The. Mechanical press and method of operation. 3,797,623, 3-19-74, Cl. 192-146.000.
Gregory, Alvin L. Power plant. 3,787,140, 1-22-74, Cl. 415-80.000.
Gregory, Charles A., Jr.: *See*—
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Gregory, Derek P., to SKF Industrial Trading and Development Company B.V. Apparatus for CO_2 conversion to methane. 3,852,180, 12-3-74, Cl. 204-277.000.
Gregory, Eric; Marancik, William G.; and Shattes, Walter J., to Airco Inc. Flashlamp with improved combustion foil and method of making same. 3,847,650, 11-12-74, Cl. 117-71.00m.
Gregory, Francis J., to Garcia Corporation, The. Fishing line. 3,841,015, 10-15-74, Cl. 43-44.980.
Gregory, Francis W. Horse Boot. 3,800,504, 4-2-74, Cl. 54-82.000.
Gregory, Frank. Pipe coupling. 3,836,184, 9-17-74, Cl. 285-417.000.
Gregory, Gerald H.; and Benedict, Donald W., to False Creek Industries Ltd. Flexible transporting containers. 3,827,471, 8-6-74, Cl. 150-2.000.
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Gregory, James R. Building structure. 3,802,133, 4-9-74, Cl. 52-86.000.

Gregory, John G.; Marsh, White; and Trepp, Robert M., to Westinghouse Electric Corporation. Apparatus for optimal data storage. 3,846,762, 11-5-74, Cl. 340-172.500.

Gregory, Joseph J.; and Randolph, Jack R. Method for removal of lithography from containers. 3,801,369, 4-2-74, Cl. 134-6.000.

Gregory, Lawrence A. Electrical current leakage detector. 3,857,096, 12-24-74, Cl. 324-127.000.

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Gregory, M. Duane; Stolhand, James E.; and Yost, Marvin E., to Continental Oil Company. Pressurized oil-in water monitor. 3,842,270, 10-15-74, Cl. 250-301.000.

Gregory, Milton Wesley; Olszyk, Bernard John; and Bowles, Oscar Pierce, to Johns-Manville Corporation. Pipeline covering with protective soil slip coatings and method for making same. 3,850,670, 11-26-74, Cl. 117-64.00r.

Gregory, Peter, to Imperial Chemical Industries Limited. Copper complex reactive monochloro-S-triazine azo dyestuff. 3,803,121, 4-9-74, Cl. 260-146.00t.

Gregory, Philip L., to Raytheon Company. Beam lead semiconductor package. 3,857,993, 12-31-74, Cl. 174-52.00s.

Gregory, R. Kirk; and Flathau, Robert J., to Symons Corporation. Column-mounted shoring bracket assembly for overhead formwork. 3,843,084, 10-22-74, Cl. 248-295.000.

Gregory, Richard Langton: *See—*
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Gregory, Robert B., to G.K. Systems, Inc. Lip adjustment for extrusion die. 3,813,204, 5-28-74, Cl. 425-466.000.

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Gregory, Ted, to Arens Controls, Inc. Lawn mower control. 3,835,726, 9-17-74, Cl. 74-501.00p.

Gregory, Thomas K.: *See—*
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Greguss, Pal, to Vari-Light Corporation. Methods and apparatus for image display of sound waves and utilizations thereof. 3,831,434, 8-27-74, Cl. 73-67.50h.

Greif Bros. Corporation: *See—*
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Greiffenstern, Karl Von, to Polysius AG. Hammer crusher. 3,813,045, 5-28-74, Cl. 241-88.400.

Greig, Alfred L., to IPT Corporation. Photocopying apparatus with vacuum means. 3,834,815, 9-10-74, Cl. 355-91.000.

Greig, Ian Robert Kennedy; and Jackson, John MacKenzie, to Pilkington Brothers Limited. Glass-reinforced composite materials. 3,850,788, 11-26-74, Cl. 161-168.000.

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Greiner, James H., to International Business Machines Corporation. Process for forming reactive layers whose thickness is independent of time. 3,849,276, 11-19-74, Cl. 204-192.000.

Greiner, Joachim; Engelsmann, Dieter; Gersch, Josef; Landbrecht, Franz; Muller, Rudolf; Wenger, Wolfgang; and Wiedemann, Otto. Shielding device for overlapping the front face of a magnetic head in magnetic tape cartridges of the compact cassette type. 3,78,157, 1-29-74, Cl. 179-100.20z.

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Greiner-Bar, Gerhard: *See—*
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Greis, Ingemar Joel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Hot gas engine with co-axial cylinder bores of differing diameter. 3,812,677, 5-28-74, Cl. 60-517.000.

Greit, Henry: *See—*
Nawracaj, Edward P.; and Greit, Henry, 3,794,022.

Greiter, Franz Johann. Items of apparel, especially sport clothing. 3,835,470, 9-17-74, Cl. 2-79.000.

Greive, Aloys; and Treus, Aloys, to Hamel GmbH, Zwirnmaschinen. Thread-twisting apparatus with dual thread guide. 3,783,597, 1-8-74, Cl. 57-58.520.

Greiwe, Daniel L.: *See—*
Di Frank, Frank J.; and Greiwe, Daniel L., 3,819,062.
Di Frank, Frank J.; and Greiwe, Daniel L., 3,850,319.

Grek, John W.: *See—*
Howeler, Warren F.; Radosh, Lubi; Roth, Donald J.; Wright, Norbert L.; Grek, John W.; Godsted, Kent B.; and Geuss, Joseph A., 3,857,265.

Grelat, Maurice; and Archambault, Jean, to Ciba-Geigy AG. Process for the manufacture of anthraquinone derivatives. 3,836,548, 9-17-74, Cl. 260-376.000.

Grell, Helga U. Raincover for stroller with canopy. 3,834,756, 9-10-74, Cl. 296-136.000.

Grell, Wolfgang: *See—*
Griss, Gerhart; Kleemann, Manfred; Grell, Wolfgang; and Bellhause, Helmut, 3,804,849.
Kutter, Eberhard; Griss, Gerhart; Grell, Wolfgang; and Kleemann, Manfred, 3,829,574.

Gremillion, Gerard S.; and McMillin, Bert M. Hydraulically powered pipe pusher. 3,807,695, 4-30-74, Cl. 254-29.00r.

Greminger, George K., Jr.; Strange, Carl P.; Krumel, Karl L.; and Hudson, James L., Jr., to Dow Chemical Company, The. Hydroxypropyl methylcellulose ethers and method of preparation. 3,839,319, 10-1-74, Cl. 260-231.00r.

Grenci, Carl A. Valving machine. 3,848,485, 11-19-74, Cl. 81-57.110.

Grenendaal, Gradus Cornelis; Cool Hans; DeVos, Jacob; and Van Zuuren, Eduard Willem. Generator for generating a number of selected frequencies. 3,829,783, 8-13-74, Cl. 328-14.000.

Grenfell, Julian Pascoe, to Badalex Limited. Coating apparatus. 3,827,400, 8-6-74, Cl. 118-421.000.

Grengg, Walter M., to Pollution Control Technology, Inc. Mercury analysis system and method. 3,852,604, 12-3-74, Cl. 250-373.000.

Grengs, Norbert G. Slide valve. 3,844,531, 10-29-74, Cl. 251-327.000.

Grenier, Maurice: *See—*
Buffiere, Jean-Pierre; and Grenier, Maurice, 3,837,821.

Grenier, Raymond P., to Baird-Atomic, Inc. Zone grid assembly particularly for high resolution radioactivity distribution detection systems. 3,787,685, 1-22-74, Cl. 250-71.50s.

Grenier, Raymond P., to Baird-Atomic, Inc. Collimator particularly for high resolution radioactivity distribution detection systems. 3,793,520, 2-19-74, Cl. 250-366.000.

Grenley, Dallas G.: *See—*
Wyss, Rudolf F.; and Grenley, Dallas G., 3,857,918.

Grennan, Charles W., to Evans, Chandler, Inc. Mixed-flow pump with variable flow area. 3,806,278, 4-23-74, Cl. 416-149.000.

Grenoble, Fernand Raymond: *See—*
Fabre, Pierre; Giroud-Garampon, Robert; Gondrand, Michel; and Grenoble, Fernand Raymond, 3,809,011.

Grenoble, William Luster, Jr.: *See—*
Parks, William Louis; Grenoble, William Luster, Jr.; Harjes, Henry Herman, Jr.; and McCarthy, Lawrence James, 3,810,102.

Grenot, Bernard: *See—*
Romain, Jean Claude, 3,851,477.

Grenot, Michel; and Pergrale, Jean, to U.S. Philips Corporation. Method of using an optic relay comprising an element of an electro-optical material and a photosensitive element. 3,855,579, 12-17-74, Cl. 340-173.01m.

Greppi, Pierluigi. Pivotally collapsible motorcar. 3,850,472, 11-26-74, Cl. 296-27.000.

Gresen Manufacturing Company: *See—*
Ohnesorge, Ralph R., 3,849,034.

Gresens, Robert Irving: *See—*
Dudley, Harvey Harmon; and Gresens, Robert Irving, 3,807,841.

Gresham, James T.: *See—*
Enloe, Kenneth M.; and Gresham, James T., 3,798,120.

Gresham, Perry Thomas, to American Telephone and Telegraph Company. Toll call denial circuit. 3,786,196, 1-15-74, Cl. 179-18.0da.

Greskovics, Paul, to Litton Business Systems, Inc. Mechanical mechanism. 3,793,894, 2-26-74, Cl. 74-55.000.

Gresky, Alan T.; Savolainen, Jouko E.; McDuffee, William T., Jr.; and Wischow, Russell P., to United States of America, Atomic Energy Commission. Process for separation of protactinium, thorium and uranium from neutron-irradiated thorium. 3,825,649, 7-23-7, Cl. 423-4.000.

Gresley, James E. Accessory attaching device. 3,840,944, 10-15-74, Cl. 24-73.00r.

Gress, Paul William; and Over, William Roderick, to AMP Incorporated. Multi-stroke hand tool. 3,837,211, 9-24-74, Cl. 72-410.000.

Gressitt, Tillman Johnson; Koliss, Peter Paul; and Ramsey, Raymond Bolton, to Bell Telephone Laboratories, Incorporated. Cable terminal. 3,836,696, 9-17-74, Cl. 174-41.000.

Gressman, Norman J.: *See—*
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Gretag Aktiengesellschaft: *See—*
Ehrai, Kurt, 3,806,874.
Ehrat, Kurt, 3,808,365.
Ehrat, Kurt, 3,836,755.
Mast, Fred, 3,825,322.

Greten, Berndt. Device for the manufacture of fiberboards from binder-interspersed, chip-like and/or fibrous particles. 3,796,529, 3-12-74, Cl. 425-224.000.

Greth, Erich, to Lonza Ltd. Process for the production of succinylosuccinic diesters. 3,803,209, 4-9-74, Cl. 260-468.00k.

Grethe, Guenter; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. Process for quinine, quinidine and analogs thereof. 3,823,146, 7-9-74, Cl. 260-284.000.

Grethe, Guenter; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. 3-(2-Chloroethyl)-4-piperidineacetic acid and esters thereof. 3,833,593, 9-3-74, Cl. 260-293.770.

Gretsky, Yury Yakovelevich: *See—*
Asnis, Arkady Efimovich; Gretsky, Yury Yakovelevich; and Metlitsky, Vladislav Alexandrovich, 3,838,246.

Gretzky, Anthony J.: *See—*
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Greubel, Waldemar; Krueger, Hans; and Wolff, Ulrich, to Siemens Aktiengesellschaft. Arrangement for a multi-color data indication. 3,806,227, 4-23-74, Cl. 350-150.000.

Greubel, Waldemar; Krueger, Hans; and Wolff, Ulrich, to Siemens Aktiengesellschaft. Storage device using chlesteric/nematic liquid crystals. 3,821,720, 6-28-74, Cl. 340-173.0ls.

Greulic, Robert G.: *See—*
Adams, Kenneth D.; and Greulic, Robert G., 3,841,248.

Greulich, Klaus: *See—*
Ettenreich, Ludwig; Reimann, Otto; and Greulich, Klaus, 3,795,550.

Greulich, Robert G.; Casner, John W.; and Urciola, John A., to Singer Company, The. Remotely activated power switch for sewing machines. 3,795,211, 3-5-74, Cl. 112-219.00a.

Greuter, Hans: *See—*
Frater, Georg; Greuter, Hans; and Schmid, Hans, 3,836,584.

Greutman, Weldon W., to International Telephone and Telegraph Corporation. Neutralized driver amplifier circuit. 3,803,503, 4-9-74, Cl. 330-13.000.

Greutman, Weldon W., to International Telephone and Telegraph Corporation. Wide band gain control circuit. 3,832,645, 8-27-74, Cl. 330-29.000.

Greutman, William J. Wire stretcher. 3,825,228, 7-23-74, Cl. 254-71.000.

Greuzerd, Charles F.; and Henkin, Louis Lawrence, 10% to Morgan, Victor B., 5% each to Mahoney, Thomas P. and Schick, George E. Headphones for reproducing four-channel sound. 3,794,779, 2-26-74, Cl. 179-156.00r.

Greve, Heinz: *See—*
Block, Hans-Jurgen; Greve, Heinz; and Zessin, Horst, 3,844,199.

Grevels, Friedrich-Wilhelm: *See—*
Von Gustorf, Ernst Koerner; Buchkremer, Jurgen; Pfajfer, Zorka; and Grevels, Friedrich-Wilhelm, 3,806,531.

Greven, Hendrick Marie, to Akzona Incorporated. Psychopharmacologically active D-Glu or D-His containing peptides. 3,850,904, 11-26-74, Cl. 260-112.500.

Greven, Hendrik Marie: *See—*
Rittel, Werner; Brugger, Max; Kamber, Bruno; Riniker, Bernhard; Sieber, Peter; and Greven, Hendrik Marie, 3,849,388.

Greven, Hendrik Marie; and De Wied, David, to Akzona Incorporated. Vasopression peptides having psychopharmacological activity. 3,835,110, 9-10-74, Cl. 260-112.500.

Greven, Hendrik Marie, to Akzona Incorporated. Psychopharmacologically active tetra-, penta-, hexa-, and hepta-peptides. 3,842,064, 10-15-74, Cl. 260-112.500.

Greven, Hendrik Marie, to Akzona Incorporated. Psycho-pharmacologically active peptides related to ACTH. 3,853,836, 12-10-74, Cl. 260-112.500.

Greven, Hendrik Marie, to Akzona Incorporated. Sedative peptides related to ACTH containing a D-Phe moiety. 3,853,838, 12-10-74, Cl. 260-112.500.

Greven, Hendrik Marie, to Akzona Incorporated. Psychopharmacologically active tetra-, penta-, hexa-, and heptapeptides. 3,856,770, 12-24-74, Cl. 260-112.500.

Grevich, John J.; and Gardetto, John J., to Domain Industries, Inc. Tube holder. 3,819,194, 6-25-74, Cl. 279-23.000.

Grew, Edward Leon; and Robertson, Alastair Agnew, to Smith, Macfarlan, Limited. Reduction of thebaine. 3,812,132, 5-21-74, Cl. 260-285.000.

Grew, Edward Leon; and Powles, David Jackson, to Mac Farlan Smith Limited. Manufacture of 1-dihydrocodeine. 3,830,819, 8-20-74, Cl. 260-285.000.

Grew, Edward Leon; and Robertson, Alastair Agnew, to MacFarlan Smith Limited. Process for the production of dihydrocodeine. 3,853,883, 12-10-74, Cl. 260-285.000.

Grewe, Ferdinand: *See—*
Buchel, Karl Heinz; Grewe, Ferdinand; and Scheinpflug, Hans, 3,823,236.
Daum, Werner; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Grewe, Ferdinand, 3,794,728.
Enders, Edgar; Grewe, Ferdinand; and Frohberger, Paul-Ernst, 3,833,607.
Gauss, Walter; Grewe, Ferdinand; and Scheinpflug, Hans, 3,839,575.
Jager, Gerhard; Buchel, Karl Heinz; Grewe, Ferdinand; and Frohberger, Paul-Ernst, 3,832,466.
Scholl, Hans-Joachim; Klauke, Erich; Grewe, Ferdinand; and Hammann, Ingeborg, 3,787,435.
Widdig, Arno; Sasse, Klaus; Grewe, Ferdinand; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Kaspers, Helmut, 3,803,318.
Widdig, Arno; Kuhle, Englebert; Grewe, Ferdinand; Kaspers, Helmut; Scheinpflug, Hans; and Frohberger, Paul-Ernst, 3,828,094.
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Grewer, Rudolf: *See—*
Von Bogdandy, Ludwig; Becker, Helmut; Grewer, Rudolf; Pantke, Heinz Dieter; and Pohl, Ulrich, 3,810,609.

Grewer, Rudolf; and Pohl, Ulrich, to Thyssen-Niederrhein AG Hutten-und Walzwerke. Discharge system for a shaft-type furnace. 3,799,367, 3-26-74, Cl. 214-23.000.

Grewer, Rudolf; Hickmann, Herbert; and Welke, Wolfgang, to Thyssen-Niederrhein AG Hutten-und Walzwerke. Charging apparatus for shaft furnace. 3,827,584, 8-6-74, Cl. 214-36.000.

Grewer, Rudolf; and Hickmann, Herbert, to Thyssen-Niederrhein AG Hutten-und Walzwerke. Closure for sponge iron dispenser. 3,831,622, 8-27-74, Cl. 137-340.000.

Grewer, Rudolf; Hickmann, Herbert; and Trecker, Hermann, to Thyssen-Niederrhein AG Hutten-und Walzwerke. Discharge device for direct-reduction shaft furnace. 3,831,787, 8-27-74, Cl. 214-23.000.

Grey, David S., to Berkey Photo, Inc. Plastic triplet objective lens system. 3,784,287, 1-8-74, Cl. 350-226.000.

Grey, David S., to Polaroid Corporation. Compact seven element zoom lens with optical compensation. 3,848,967, 11-19-74, Cl. 350-184.000.

Grey, David S., to Polaroid Corporation. Compact eight element zoom lens with optical compensation. 3,848,968, 11-19-74, Cl 350-184.000.

Grey, Donald M.: *See—*
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Grey, Donald M.; Cook, Albert C.; and Butler, Lee D., to Sperry Rand Corporation. Single bale unloading control system. 3,795,327, 3-5-74, Cl. 214-8.50g.

Grey, Donald M.; Butler, Lee D.; Welker, Jerry W.; and Crane, Jack W., to Sperry Rand Corporation. Method of operation of a single bale unloading bale wagon. 3,811,584, 5-21-74, Cl. 214-152.000.

Grey, Donald M.; and Butler, Lee D., to Sperry Rand Corporation. Bale wagon. 3,857,498, 12-31-74, Cl. 214-8.50a.

Grey, Edward H.; and Shufelt, Robert C., to Sun Oil Company of Pennsylvania. Process for reactivation of soda lime. 3,812,200, 5-21-74, Cl. 260-677.00a.

Grey, Mary Evelyn. Drop seat closure for outerwear garment. 3,852,824, 12-10-74, Cl. 2-79.000.

Grey Tech Industries, Inc.: *See—*
Stickler, Charles W., Jr., 3,847,521.

Grey, Udo; and Klimmer, Winfried, to Jenoptik Jena G.m.b.H. Coordinate position measuring by imaging a movable grating onto a parallel reference grating. 3,791,742, 2-12-74, Cl. 356-169.000.

Greyer, Eckhardt: *See—*
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Greytak, Donald A. Door latch construction. 3,806,178, 4-23-74, Cl. 292-218.000.

Greytak, Donald A.; and Sargent, Duane S. Twine measuring trip mechanism for balers. 3,854,396, 12-17-74, Cl. 100-8.000.

Grezdov, Gennady Ivanovich; Gischak, Kondrat Iosifovich; Logvinenko, Jury Pavlovich; Pukhov, Georgy Evgenievich; Simak, Lilia Alexeevna; and Kosmach, July Petrovich. Hybrid computer to solve nonlinear programming problems. 3,840,725, 10-8-74, Cl. 235-150.50.

Grgich, Milovan: *See—*
Lawrence, Arthur Charles; and Grgich, Milovan, 3,811,415.

Gribbin, Ronald, to Clark, Son and Morland Limited and I.W.S. Nominee Company Limited. Manufacture of pile fabrics. 3,837,946, 9-24-74, Cl. 156-68.000.

Gribens, Joel A.: *See—*
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Gribova, Irina Alexandrovna: *See—*
Korshak, Vasily Vladimirovich; Andrianov, Kuzma Andrianovich; Gribova, Irina Alexandrovna; Krasnov, Alexandr Petrovich; Khananashvili, Lotary Mikhailovich; Vasilieva, Tatyana Vsevolodovna; Elerdashvili, Georgy Vasilievich; Gureeva, Galina Ilinichna; Kotov,Valery Mikhailovich; and Brontman, Rostislav Lazarevich, 3,821,112.
Korshak, Vasily Vladimirovich; Gribova, Irina Alexandrovna; Chumaevskaya, Alla Nikolaevna; Mgeladze, Boris Mikhailovich; Bekasova, Nina Ivanovna; Komarova, Ljudmila Grigorievna; Vinogradova, Svetlana Vasilievna; Valetsky, Petr Maximilianovich; Kalachev, Alxandr Ivanovich; Lyamenkova, Evgenia Kuzminichna; Glivka, Ljudmila Alexandrovna; Burtseva, Tamara Andreevna; and Babchinitser, Tatyana Mikhailovna, 3,850,820.

Grice, Alan: *See—*
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Gricol, Joseph D.: *See—*
Vitale, Martin H.; and Gricol, Joseph D., 3,823,243.

Grider, Lyle D.; and Cleereman, Robert J., to Bucyrus-Erie Company. Removable outrigger assembly with rotatable jack. 3,836,012, 9-17-74, Cl. 212-145.000.

Grieb, Dale Christian: *See—*
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Grieb, Hubert: *See—*
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Griebsch, Eugen: *See—*
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Drawert, Manfred; and Griebsch, Eugen, 3,847,875.

Grieco, Michael F. Cold sterilization unit. 3,801,279, 4-2-74, Cl. 21-87.000.

Grieco, Rocco F. Fixtures for holding a tool subject to grinding. 3,852,922, 12-10-74, Cl. 51-218.00a.

Grieder, Charles K. Swimming frog having stops and surfaces controlling leg movement. 3,798,830, 3-26-74, Cl. 46-92.000.

Grieder, Charles K. Swimming turtle. 3,835,581, 9-17-74, Cl. 46-92.000.

Grieder, Traugott: *See—*
von Ballmoos, Fritz; Grieder, Traugott; Grohmann, Herbert; and Gutmann, Rolf, 3,845,351.

Grieger, Gerhard; and Bohrdt, Joaquin, to Siemens Aktiengesellschaft. Electric circuit breaker with hydraulic actuating means including a plurality of valves for opening the breaker, and a plurality of valves for closing the breaker. 3,832,502, 8-27-74, Cl 200-82.00b.

Griehl, Wolfgang; Hahn, Wolfdiether; and Stoll, Bernhard, to Inventa A.G. fur Forschung und Patentverwertung. Process for the continuous transesterification of dicarboxylic acid esters with diols. 3,787,479, 1-22-74, Cl. 260-475.00p.

Grieman, John David: *See—*
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Grienauer, Heinrich, to Siemens Aktiengesellschaft. Slit screen for X-ray apparatus used in determining crystal topography. 3,792,269, 2-12-74, Cl. 250-272.000.

Griensteidl, Gerhard; and Michel, Helmut. Rapid shutoff safety valve. 3,841,350, 10-15-74, Cl. 137-516.270.

Griepentrog, Dal Frank; and Gries, Robert Joseph, to RCA Corporation. Instant-on circuit for a television receiver. 3,801,856, 4-2-74, Cl. 315-20.000.

Grier, David G., to Fischer & Porter Company. Fluid restriction assembly. 3,820,571, 6-28-74, Cl. 138-44.000.

Grier, John D.: *See—*
Camp, Harold E.; and Grier, John D., 3,810,198.

Grier, Nathaniel; and Lederer, Seymour J., to Merck & Co., Inc. Dihalomethylglutaronitriles used as antibacterial and antifungal agents. 3,833,731, 9-3-74, Cl. 242-304.000.

Grierson, David W., to Rohr Corporation. Electrical grounding device for tracked air cushion vehicles. 3,816,675, 6-11-74, Cl. 191-49.000.

Grierson, Keith J.; and Samuelson, Bruce E., to Whirlpool Corporation. Motor housing construction for a vacuum cleaner with strain-relief for motor leads. 3,826,935, 7-30-74, Cl. 310-71.000.

Gries, Robert Joseph: *See—*
Griepentrog, Dal Frank; and Gries, Robert Joseph, 3,801,856.

Gries, Robert Joseph, to RCA Corporation. Instant-on circuit for a television receiver offering independent filament voltage control. 3,783,335, 1-1-74, Cl. 315-30.000.

Griesbaum, Karl; Oswald, Alexis A.; and Hall, Daniel Noyes, to Esso Research and Engineering Company. Insecticidal, miticidal and nemitocidal use of unsymmertical thio-dithiophosphoric acid adducts. 3,816,623, 6-11-74, Cl. 424-215.000.

Griese, Alfons; Kalisch, Alfons A.; and Luz, Hans G., to Institut Dr. Friedrich Forster. Apparatus for producing a region free from interfering magnetic fields. 3,801,877, 4-2-74, Cl. 317-157.500.

Griese, Wolfgang, to Volkswagenwerk Aktiengesellschaft. Combustion engine with quick arrangement for its exhaust gas cleaning device during cold or idle run. 3,799,134, 3-26-74, Cl. 123-119.00a.

Griesenbrock, Karl-Heinz, to Eaton Corporation. Material handling apparatus. 3,831,786, 8-27-74, Cl. 214-16.40a.

Griesenbrock, Karl-Heinz, to Eaton Corporation. Multiple state master cylinder. 3,844,121, 10-29-74, Cl. 60-562.000.

Grieshaber, Otto A.: *See—*
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Griesing, John E.: *See—*
Baldyga, Eugene P.; and Griesing, John E., 3,812,646.

Griesinger, Wolfram, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Method for making thin walled metal tubing. 3,783,497, 1-8-74, Cl. 29-460.000.

Griest, Edward M., to Corning Glass Works. Transparent iron oxide microcircuit mask. 3,824,100, 7-16-74, Cl. 96-27.00r.

Grieve, Richard A. Brake assembly for vehicle wheel. 3,809,187, 5-7-74, Cl. 188-24.000.

Grieve, Robin L.: *See—*
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Reymore, Harold E., Jr.; Sayigh, Adnan A. R.; and Grieve, Robin L., 3,836,424.

Grieves, Gordon; and Holmes, Raymond, to Burgess Micro Switch Company Limited. Steering shaft, gear shift lever switch assembly. 3,795,779, 3-5-74, Cl. 200-61.880.

Grieveson, Paul: *See—*
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Griewahn, Carl O.: *See—*
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Griff, Gary J.: *See—*
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Griff, John K.: *See—*
Johns, Burton A., 3,857,342.

Griff, William, to Bunker Ramo Corporation. Coaxial interconnections. 3,837,074, 9-24-74, Cl. 29-624.000.

Griffee, Leslie V.; and Anderson, Mardis V., to Collins Radio Company. Antenna for airborne satellite communications. 3,811,127, 5-14-74, Cl. 343-705.000.

Griffin & Company: *See—*
Wilding, Edwin L., 3,811,585.

Griffin, Alphonso. Desalinization system. 3,824,156, 7-16-74, Cl. 202-180.000.

Griffin, Amos C.: *See—*
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Griffin, Auburn K., Jr.: *See—*
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Griffin, Auburn K., Jr., to Westinghouse Electric Corporation. Induction volts-squared hour meter. 3,858,115, 12-31-74, Cl. 324-137.000.

Griffin, Charles D.; Young, Murray L.; and Griffin, James E., to McGill, H. T., Inc. Insecticide dispenser. 3,793,763, 2-26-74, Cl. 43-129.000.

Griffin, Dana K.; and Wilson, John R. Floor wax applicator with throw-away head. 3,827,100, 8-6-74, Cl. 15-229.00a.

Griffin, Donald E., to Phillips Petroleum Company. Process apparatus control system for optimizing objective variable quality. 3,828,171, 8-6-74, Cl. 235-151.120.

Griffin, Donald R. Electrically powered bicycle. 3,800,898, 4-2-74, Cl. 180-31.000.

Griffin, Gerald D. Tooth cleaning ball. 3,853,412, 12-10-74, Cl. 401-183.000.

Griffin, Gordon Douglas. Form of tined shaft and constructions of composting machine. 3,791,593, 2-12-74, Cl. 239-667.000.

Griffin, Groves L. Table aligning and locking device. 3,820,477, 6-28-74, Cl. 108-89.000.

Griffin, Henry W., to General Motors Corporation. Restraint belt retractor. 3,831,878, 8-27-74, Cl. 242-107.400.

Griffin, Henry W.; and Everhart, Vaughn D., to General Motors Corporation. Anti-glare rear view mirror incorporating a meltable thermoplastic material. 3,840,292, 10-8-74, Cl. 350-278.000.

Griffin, Henry W., to General Motors Corporation. Motor vehicle window molding. 3,851,432, 12-3-74, Cl. 52-400.000.

Griffin, Henry W., to General Motors Corporation. Vehicle occupant restraint belt retractor. 3,851,837, 12-3-74, Cl. 242-107.400.

Griffin, Ira L. & Sons, Inc.: *See—*
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Griffin, Ira L., Jr., to Griffin, Ira L. & Sons, Inc. Size box. 3,822,451, 7-9-74, Cl. 28-28.000.

Griffin, James E.: *See—*
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Griffin, John H., to Marguette Electronics, Inc. Tape speed compensation circuit. 3,815,035, 6-4-74, Cl. 329-136.000.

Griffin, John W. Fail-safe heating apparatus. 3,805,021, 4-16-74, Cl. 219-482.000.

Griffin, Phil H., III, to Dresser Industries, Inc. System for the automatic filling of earth boreholes with drilling fluid. 3,833,076, 9-3-74, Cl. 175-38.000.

Griffin, Richard H., to International Telephone and Telegraph Corporation. Electric fuse. 3,832,666, 8-27-74, Cl. 337-272.000.

Griffin, Richard J. Combination protective cap and stand for a pressurized gas cylinder. 3,848,768, 11-19-74, Cl. 220-85.00p.

Griffin, Richard N.: *See—*
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Griffin, Robert James: *See—*
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Griffin, Ronald G. Adjustable gate hinge. 3,811,149, 5-21-74, Cl. 16-130.000.

Griffin, Thomas Franklin, to Burlington Industries, Inc. Method of making and treating bias cut fabric. 3,784,427, 1-8-74, Cl. 156-139.000.

Griffin, Thomas J.; and Dollarhide, Francis E., to Dow Chemical Company, The. Corrosion inhibitor. 3,816,322, 6-11-74, Cl. 252-147.000.

Griffin, Thomas S.; and Heywood, Kenneth W., to NL Industries, Inc. Calcium-aluminum-silicate extender pigment. 3,827,901, 8-6-74, Cl. 106-306.000.

Griffin, William Thomas: *See—*
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Griffing, Brandt M.; and Glockler, Joseph A., Jr., to International Business Machines Corporation. High frequency, low inductance generator. 3,858,071, 12-31-74, Cl. 310-266.000.

Griffing, Walter. Ceiling mounting arrangement. 3,782,065, 1-1-74, Cl. 52-39.000.

Griffis, Edgar E.: *See—*
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Griffis, William T. Knife sheath assembly. 3,841,541, 10-15-74, Cl. 224-2.00d.

Griffith, Cecil B.: *See—*
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Thomas, Jerry D.; and Griffith, Cecil B., 3,836,359.

Griffith, David B. Filter means. 3,788,330, 1-29-74, Cl. 131-10.500.

Griffith, George L., to Commercial Solvents Corporation. Enclosure for explosive material. 3,789,760, 2-5-74, Cl. 102-24.0hc.

Griffith, George L.; and Edwards, Donald W., to Commercial Solvents Corporation. Product and method. 3,835,782, 9-17-74, Cl. 102-27.00r.

Griffith, Glen R.: *See—*
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Griffith, James R.: *See—*
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Griffith, James R., to United States of America, Navy. Method of making filament strand wound product. 3,794,540, 2-26-74, Cl. 156-169.000.

Griffith, Jerry D.; Ketola, Herbert N.; and Finnemore, Fred M., to United States of America, Army. Inherent automatic reactor control. 3,802,992, 4-9-74, Cl. 176-20.000.

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Griffith, Louis E.: *See—*
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Griffith, Russell K.; and Jones, John F., to Standard Oil Company, The. Manufacture of impact-resistant methyl methacrylate polymers. 3,803,265, 4-9-74, Cl. 260-879.000.

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Griffiths, Darrell J. L.; and Huang, Denis K., to Westvaco Corporation. Urea formaldehyde pigment. 3,849,378, 11-19-74, Cl. 260-69.00r.

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Griffiths, David Thomas, to Youngflex S.A. Seat frames. 3,797,886, 3-19-74, Cl. 297-452.000.

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Griffiths, Donald Ernest: *See—*
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Grigg, Donald A., to Silverbow Industries, Inc. Bee feeder for hives. 3,835,487, 9-17-74, Cl. 6-5.000.

Griggs, David Thurston. Apparatus and method for retardation of recorded speech. 3,798,372, 3-19-74, Cl. 179-1.0sa.

Griggs, David Thurston. Real-time mechanical detection of diphthongs for speech controlled phonetic typewriter. 3,808,371, 4-30-74, Cl. 179-1.0sa.

Griggs, David Thurston. Single oral input real time analyzer with written print-out. 3,846,586, 11-5-74, Cl. 179-1.0sa.

Griggs, Lonnie P., to AMF Incorporated. Archery bow. 3,821,946, 7-2-74, Cl. 124-24.00r.

Griggs, W. Kenneth, to Lee, Raymond, Organization, Inc., The. Anti-snagging fishing gear. 3,783,549, 1-8-74, Cl. 43-42.400.

Grignon, Robert Georges; and Guienne, Paul Francois, to Bertin & Cie. Fluid-cushion-containing facility for ground effect machine. 3,804,197, 4-16-74, Cl. 180-116.000.

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Grihangne, Andre. Air-cushion vehicules. 3,802,532, 4-9-74, Cl. 180-118.000.

Grikscheit, Henry W.; and Converse, Vernon G., to Scans Associates, Inc. Method and apparatus for determining top dead center in internal combustion engines. 3,820,386, 6-28-74, Cl. 73-116.000.

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Grille, Thomas; Krakauer, Daniel; and Krakauer, Edwin G., to Kay Manufacturing Corporation. Furniture spring clip and installation. 3,791,749, 2-12-74, Cl. 403-188.000.

Grillet, Jacques. Wiring connector. 3,838,387, 9-24-74, Cl. 339-244.0vc.

Grillo, Thomas A.; and Morris, Walter Eugene, to Huber, J. M., Corporation. Apparatus for encapsulating a finely divided clay within an organic polymeric material. 3,807,702, 4-30-74, Cl. 259-7.000.

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Grimes, Alton C. Trigonometry teaching device. 3,827,163, 8-6-74, Cl. 35-34.000.

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Grimes, Lillian P. Doggie maid. 3,796,453, 3-12-74, Cl. 294-1.00r.

Grimes, Sam J. Fishing boat seat. 3,839,757, 10-8-74, Cl. 9-7.000.

Grimes, Warren R.; Shaffer, James H.; and Doss, Forrest A., to United States of America, Atomic Energy Commission. Removal of fluoride from chloride or bromide melts. 3,806,581, 4-23-74, Cl. 423-179.000.

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Grimm, Robert A.; and Sedor, Edward A., to Ashland Oil, Inc. Process for the preparation of hydroxy substituted aminimides. 3,850,969, 11-26-74, Cl. 260-404.500.

Grimm, Ronald F. Trailer for bicycles. 3,787,065, 1-22-74, Cl. 280-204.000.

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Grimmelikhuysen, Jan Christiaan; and Schroeder, Arnold, to Lever Brothers Company. Preparation of polyacetylalkylene diamines. 3,824,286, 7-16-74, Cl. 260-561.00r.

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Grimmer, Klaus Jurgen. Unbalanced vibrator for an oscillating conveyor or a vibrating screen. 3,822,604, 7-9-74, Cl. 74-87.000.

Grimmett, Earl S.; and Lamont, Philip E., to United States of America, Atomic Energy Commission. Method for the disposal of combustible and dilute aqueous wastes. 3,827,946, 8-6-74, Cl. 203-10.000.

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Grindeland, Gordon L. Apparatus for removing foreign particles from a lithographic press. 3,822,642, 7-9-74, Cl. 101-425.000.

Grindley, William; Bunn, George Edward; Ormerod, Alan; and Harrison, Alwin, to Lucas, Joseph, (Industries) Limited. Flame tubes for gas turbine engines. 3,820,324, 6-28-74, Cl. 60-39.74r.

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Griner, Arthur J., to Nabisco, Inc. High speed wrapping machine. 3,818,675, 6-25-74, Cl. 53-133.000.

Griner, Arthur J., to Nabisco, Inc. Method of and apparatus for making wafers. 3,857,331, 12-31-74, Cl. 99-373.000.

Gringras, Michel, to Compagnie de Saint-Gobain. Granular free-flowing material for use in the manufacture of glass. 3,817,776, 6-18-74, Cl. 117-100.00s.

Grinnell, Peter S., Jr., to International Equipment Company. Motor controller with power limiting. 3,845,371, 10-29-74, Cl. 318-391.000.

Grinnon, Donald, to Lee, Raymond, Organization, Inc., The. Box cutter. 3,821,849, 7-2-74, Cl. 30-2.000.

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Griot, Rudolf G., to Sandoz-Wander, Inc. Cyclo-substituted-1-p-(τ-aminoalkoxy) phenyl cyclohexanes. 3,855,296, 12-17-74, Cl. 260-570.700.

Griot, Rudolf G., to Sandoz, Inc. 4-p-(τ-Aminoalkoxy)phenyl-1,2-diaryl-cyclopentanes and cyclopentenes. 3,856,863, 12-24-74, Cl. 260-570.700.

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Grisaffe, Salvatore J.: *See—*
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Grisar, J. Martin; Claxton, George P.; and Blohm, Thomas R., to Richardson-Merrell Inc. Lactamimide derivatives. 3,816,457, 6-11-74, Cl. 260-329.0am.

Grisar, J. Martin; and MacKenzie, Robert D., to Richardson-Merrell Inc. Dibenzocycloheptenyl lactamimides. 3,833,559, 9-3-74, Cl. 260-239.00b.

Grisar, J. Martin; Claxton, George P.; Blohm Thomas R.; and Roberts, Edward McC., to Richardson-Merrell Inc. Cycloalkyllactamimides. 3,838,151, 9-24-74, Cl. 260-239.00b.

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Grisar, J. Martin; and Claxton, George P., to Richardson-Merrell Inc. Alpha-cycloalkylbenzyl lactamimides. 3,840,524, 10-8-74, Cl. 260-239.00b.

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Grisar, J. Martin; and Claxton, George P., to Richardson-Merrell Inc. 2-Azacycloalkylmethyl substituted vinylene carbinols and ketones. 3,853,855, 12-10-74, Cl. 260-240.00r.

Grisar, Johann M.; and Janssens, Willhelmus, to Richardson-Merrell Inc. Alkyl substituted-benzoylacetates antilipemic agents. 3,818,072, 6-18-74, Cl. 260-476.00r.

Grisar, Johann Martin; and Blohm, Thomas R., to Richardson-Merrell Inc. Hypoglycemic compositions containing benzhydryl- lactamimide derivatives. 3,783,162, 1-1-74, Cl. 424-267.000.

Grisar, Johann Martin, to Richardson-Merrell Inc. Method of preparing dibenzo (D,G) (1,3) dioxocin acids and salts thereof. 3,836,543, 9-17-74, Cl. 260-340.300.

Grisar, Johann Martin; and MacKenzie, Robert Douglas, to Richardson-Merrell Inc. Diphenylalkyllactamimide derivatives. 3,852,269, 12-3-74, Cl. 260-239.00b.

Griscom, Richard W.; and Brader, James J., Jr., to Chemetron Corporation. Composition and method for stabilizing trans-diethylstilbestrol. 3,836,674, 9-17-74, Cl. 424-346.000.

Grisdale, Patrick J.; and Babb, Bruce E., to Eastman Kodak Company. Photographic compositions and processes. 3,856,531, 12-24-74, Cl. 96-91.00n.

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Griset, Ernest J., Jr., to Akzona Incorporated. Apparatus for interlacing yarns. 3,823,449, 7-16-74, Cl. 28-1.400.

Grisik, John J.; and Airola, Ellis J., to General Electric Company. Aluminide coating removal method. 3,833,414, 9-3-74, Cl. 134-3.000.

Grislis, Viktor Yanovich: *See—*
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Grismore, Fred Leland: *See—*
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Griss, Gerhart; Kleemann, Manfred; Grell, Wolfgang; and Bellhause, Helmut, to Boehringer Ingelheim GmbH. 2-Amino-4,5,7,8-tetrahydro-6H-thiazolo or oxazolo(5,4-d)azepines and salts. 3,804,849, 4-16-74, Cl. 260-306.80f.

Griss, Giuseppe, to Micarna AG, Fleischwarenfabrik. Apparatus for splitting carcasses of slaughtered animals. 3,829,932, 8-20-74, Cl. 17-23.000.

Grist, Warren W.: *See—*
Snow, Ralph W., Jr.; Grist, Warren W.; and Kruger, Joe Bill, 3,802,525.

Griswold, Augustus W.: *See—*
Sullivan, William A., Jr.; and Griswold, Augustus W., 3,784,303.

Griswold, Augustus W.; and Haritonoff, Boris W., to Arcata Microfilm Corporation. Microfiche converter and updater method, apparatus and article. 3,802,979, 4-9-74, Cl. 156-98.000.

Griswold, Azel Alan, to Burlington Industries, Inc. Synchronous process for thermally-curable blocked polyurethanes. 3,846,378, 11-5-74, Cl. 260-77.5tb.

Griswold, Douglas A.: *See—*
Patel, Himanshu M.; and Griswold, Douglas A., 3,793,035.

Griswold, Edward A. Method of installing photoelectric cell in a driveway. 3,798,743, 3-26-74, Cl. 29-428.000.

Griswold, Edward A. Electrostatic filtering for cleaning dielectric fluids. 3,852,178, 12-3-74, Cl. 204-186.000.

Griswold, Fred Bethel, to RCA Corporation. Wide band, phase-coherent self-calibrating translation loop. 3,793,594, 2-19-74, Cl. 331-4.000.

Griswold, James L.: *See—*
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Gritchen, Ralph A.; Daugirdas, Kristupas; Masiokas, Bruno; and Townsend, Richard H., to V.A.C. Industries, Inc., mesne. Door system for a railway car. 3,795,205, 3-5-74, Cl. 105-450.000.

Gritsun, Mikhail Danilovich: *See—*
Bashkov, Vladimir Alexeevich; Martynov, Oleg Viktorovich, Sitnov, Anatoly Georgievich, Tikhonov, Sergei Sergeevich; Makarov, Mikhail Nikolaevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Gorlov, Semen Maximovich; Tseitlin, Aron Yakvlevich; Gritsun, Mikhail Danilovich; Ustjuzhanin, Vasily Nikolaevich; Nechaev, Leonid Semenovich; Mazun, Alexandr Ivanovich; Belousov, Vladimir Alexeevich; Scherbakov, Leonid Mikhailovich; Rozhkov, Valentin Pavlovich; and Kutilin, Vladimir Nikolaevich, 3,05,878.

Gritz, Darrell D., to Jacuzzi Bros. Incorporated. Pump systems for liquids. 3,814,543, 6-4-74, Cl. 417-26.000.

Gritzan, Hans: *See—*
Dao, Wolfram; Langer, Paul; and Gritzan, Hans, 3,789,967.

Gritzner, Gerhard; and Leddy, James J., to Dow Chemical Company, The. Apparatus for preparation of Cl_2 by electrolysis of HCl and polyvalent metal chlorides. 3,799,860, 3-26-74, Cl. 204-258.000.

Grivas, John C., to Sherwin-Williams Company, The. Alkoxy anilines as curing agents for epoxy resins. 3,804,806, 4-16-74, Cl. 260-47.0en.

Grivas, John C., to Sherwin-Williams Company, The. Microbiocidal use of 1,2-benzisothiazolin-3-ones. 3,821,389, 6-28-74, Cl. 424-270.000.

Griverus, Tor Lennart Bernt. Flow meter provided with a vortex chamber. 3,827,297, 8-6-74, Cl. 73-194.00c.

Grivna, Gerald J., 1/2 to Clark, J. Wickham. Swim fin. 3,835,493, 9-17-74, Cl. 9-307.000.

Grivna, Howard W.; and Elm, Donald C., to Timesavers, Inc. Method of and apparatus for rapidly abrading metal workpieces. 3,816,998, 6-18-74, Cl. 51-145.00t.

Groat, Roy Francis; and Satre, Cliff Wayne. Bulk meltable solids transport system. 3,800,818, 4-2-74, Cl. 137-334.000.

Grob & Co. Aktiengesellschaft: *See—*
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Grob, Ernst: *See—*
Grob, Ernst; and Krapfenbauer, Hans, 3,818,735.

Grob, Ernst; and Krapfenbauer, Hans, to Grob, Ernst. Roller head for cold rolling of splined shafts or gears. 3,818,735, 6-25-74, Cl. 72-78.000.

Grob, Konrad, to Gutmann, Alfred, Gesellschaft fur Maschinenbau. Device for crushing large molding sand pieces and for separating residual iron parts therefrom. 3,823,881, 7-16-74, Cl. 241-79.100.

Grob, Leonardus F. A.: *See—*
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Grob, Russel W., to Caterpillar Tractor Company. Pulse transmitter circuit for measuring instruments. 3,821,896, 7-2-74, Cl. 73-194.00e.

Grob, Russel Walter, to Caterpillar Tractor Company. DC power converter. 3,858,104, 12-31-74, Cl. 321-2.000.

Grob, Theodore. Web thinning machine. 3,813,822, 6-4-74, Cl. 51-90.000.

Grobman, Leon; Polin, Benson; and Savage, Donald, to United States of America, Navy. Statistical noise processor. 3,833,797, 9-3-74, Cl. 235-151.300.

Groce, Irwin J.: *See—*
Reed, Edward L.; and Groce, Irwin J., 3,806,362.
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Grochowicz, Peter S., 40% to Runyan, Clark M. Apparatus for milk production analysis. 3,841,756, 10-15-74, Cl. 356-72.000.

Grochowski, Edward G.: *See—*
Castrucci, Paul P.; Grochowski, Edward G.; Hess, Martin S.; Maheras, Geroge; and North, William D., 3,785,886.
Castrucci, Paul P.; Grochowski, Edward G.; North, William D.; and Palfi, Thomas L., 3,801,836.

Grochowski, Raymond John; Graham, Roger Kenneth; and Whang, Jong Jai, to Rohm & Haas Company. Sequentially produced alkyl acrylate polymers blended with poly(vinyl halides). 3,833,686, 9-3-74, Cl. 260-876.00r.

Grodkiewicz, William Henry; Singh, Shobha; and Van Uitert, Le Grand Gerard, to Bell Telephone Laboratories, Incorporated. Phosphor rare earth oxychloride compositions. 3,822,215, 7-2-74, Cl. 252-301.40h.

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Kycia, Henryk; Chmielewska, Danuta; Rolak, Hanna; Michno, Zbigniew; Zaniuk, Jan; Surgiewicz, Janusz; Stefaniak, Ferdynand; Lenkowski, Przemyslaw; and Kobosko, Anna, 3,813,415.

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Groebke, Wolfgang, to Sandoz Ltd. Substituted phenyl azo naphthyl disperse dyes. 3,817,977, 6-18-74, Cl. 260-196.000.

Groechel, William D.: *See—*
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Groen, Peter. Receiving apparatus. 3,803,496, 4-9-74, Cl. 325-475.000.

Groen, Siemen H.; Deumens, Johannes J. M.; and Stijfs, Petrus A. M. J., to Stamicarbon B.V. Process for the preparation of piperidines. 3,843,659, 10-22-74, Cl. 260-293.520.

Groendyke, Richard L.: *See—*
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Groendyke, Richard L., to American Safety Equipment Corporation. Apparatus for assembly of a retractor device including a safety belt. 3,798,731, 3-26-74, Cl. 29-200.00a.

Groenenbroom, Maarten; and Lisser, Jacques, to Smit Nijmegen Electrotechnische Fabrieken N.V. Method of and apparatus for improving the linearity of the current transformation of a DC measuring transductor. 3,818,337, 6-18-74, Cl. 324-127.000.

Groenendaal, Arnoldus Adrianus Maria: *See—*
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Groenewegen, Martinus Adriaan: *See—*
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Groening, Harvey F.; and Hensler, Paul L., to FMC Corporation. Method of producing hydrated sodium tripolyphosphate composition. 3,852,212, 12-3-74, Cl. 252-135.000.

Groepper, Jurgen; and Sanchez, Jose, to Pennwalt Corporation. Curing and polymerizing processes employing beta-substituted diperoxyketals. 3,832,336, 8-27-74, Cl. 260-89.100.

Groesbeck, Charles W.: *See—*
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Groetschel, Karl Maria. Roof support for use in mine workings. 3,800,545, 4-2-74, Cl. 61-45.00d.

Groetzner, Kurt; Mayer, Rudolf; and Mayer, Siegfried, to Bosch, Robert, GmbH. Vehicle headlight testing method and apparatus. 3,830,570, 8-20-74, Cl. 356-121.000.

Groezinger, Marlo W. Haystack feeder. 3,834,353, 9-10-74, Cl. 119-60.000.

Groff, Edwin I., to Reading Pretzel Machinery Co. Extrusion machine for pretzels and the like. 3,782,876, 1-1-74, Cl. 425-232.000.

Groff, Gaylord L., to Minnesota Mining and Manufacturing Company. Sheet-like nonwoven web and flexible article of polyester and aromatic polyamide staple fibers. 3,855,047, 12-17-74, Cl. 161-150.000.

Groff, Ronald Parke, to Du Pont de Nemours, E. I., and Company. Method and apparatus for modulating light with a magnetic field. 3,843,939, 10-22-74, Cl. 332-7.510.

Groff, Stephen A. Golf carts. 3,820,617, 6-28-74, Cl. 180-19.00r.

Grogan, Robert D., to Briggs & Stratton Corporation. Lockable hood latch release mechanism. 3,796,075, 3-12-74, Cl. 7-240.000.

Groginsky, Herbert L., to Raytheon Company. Coded navigation system. 3,818,478, 6-18-74, Cl. 343-106.00r.

Grogler, Gerhard, to Bayer Aktiengesellschaft. Stabilized polyurethane compositions. 3,795,638, 3-5-74, Cl. 260-45.90r.

Groh, Gunther; and Tiemens, Ulf, to U.S. Philips Corporation. Producing images of parts of an object which lie at different depths by means of holographic tomography. 3,788,726, 1-29-74, Cl. 350-3.500.

Grohe, Hans, KG: *See—*
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Grohe, Hans, KG, Firma: *See—*
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Grohe, Klaus, to Grohe, Hans KG. Shower construction. 3,830,432, 8-20-74, Cl. 239-394.000.

Grohe, Klaus; Kaspers, Helmut; and Scheinpflug, Hans, to Bayer Aktiengesellschaft. Dihalocyclopentenedione fungicidal and bactericidal agents. 3,852,470, 12-3-74, Cl. 424-331.000.

Grohmann, Herbert: *See—*
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Grohoski, Edward G., to Hartford Special Machinery Company, The. Roll forming machine drive mechanism. 3,839,891, 10-8-74, Cl. 72-88.000.

Grohowski, Joseph A.: *See—*
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Groleau, Rodney J.: *See—*
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Grolet, Pierre: *See—*
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Grolig, Johann: *See—*
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Grolig, Johann; Scharfe, Gerhard; and Swodenk, Wolfgang, to Bayer Aktiengesellschaft. Process for the production of dichloroacetoxypropane. 3,801,626, 4-2-74, Cl. 260-491.000.

Grolitsch, Erhard. Atomising device. 3,850,373, 11-26-74, Cl. 239-499.000.

Grolitzer, Arthur J., to Vocon, Inc. Apparatus for intensifying radiation images. 3,828,186, 8-6-74, Cl. 250-213.00r.

Grolman, Bernard; and Lavallee, Robert G., to American Optical Corporation. Non-contact tonometer corneal monitoring system. 3,832,890, 9-3-74, Cl. 73-80.000.

Gromek, Joseph: *See—*
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Grommas, Werner: *See—*
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Grommek, Siegfried. Doctor blade control mechanism, particularly for use in printing presses. 3,783,781, 1-8-74, Cl. 101-157.000.

Grommes, Helmut: *See—*
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Gromping, Franz: *See—*
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Groncki, Carole L.: *See—*
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Grondahl, Clayton M.; and Moore, John, to General Electric Company. Pressurized serpentine cooling channel construction for open-circuit liquid cooled turbine buckets. 3,844,679, 10-29-74, Cl. 416-97.000.

Grondahl, Clayton M.; and Eskesen, John H., to General Electric Company. Liquid cooled turbine bucket with dovetailed attachment. 3,856,433, 12-24-74, Cl. 416-97.000.

Grondahl, Sven Algot: *See—*
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Gronen, Willy: *See—*
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Groningen, Jan Bos. Ventilating cover or mat. 3,840,923, 10-15-74, Cl. 5-354.000.

Gronlund-Nielsen, Axel. Sheet feeding apparatus. 3,806,113, 4-23-74, Cl. 271-10.000.

Gronner, Alfred D.; and Simon, David, to Singer Company, The. Digital to synchro converter. 3,806,917, 4-23-74, Cl. 340-347.0da.

Gronner, Alfred D.; and Deleo, Louis, to Singer Company, The. Binary coded decimal-synchro converter. 3,831,168, 8-20-74, Cl. 340-347.0sy.

Gronowicz, William. Edge protector for sliding screens. 3,838,539, 10-1-74, Cl. 49-462.000.

Gronpement Atomique Alsacienne Atlantique: *See—*
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Gronquist, Ernest C., Jr.: *See—*
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Gronski, Chester: *See—*
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Gronstedt, Bo. Hydraulically actuated pipe coupling. 3,843,167, 10-22-74, Cl. 285-18.000.

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Gronvald, Frederick Christian: *See—*
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Gronvald, Frederik Christian: *See—*
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Groom Industries, Inc.: *See—*
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Groom, Jack J.; and Kinzel, Gary L., to Columbia Gas System Service Corporation. Apparatus for sensing a curvature in a conduit. 3,789,511, 2-5-74, Cl. 33-312.000.

Groom Lemuel D., III; and Jordan, Lavell, Jr., to Texas Instruments Incorporated. Fast rise time oscillator. 3,849,741, 11-19-74, Cl. 331-165.000.

Groos, Ekkehard; and Ragoss, Hans, to Hochtemperatur-Reaktorbau GmbH. Method and device for discriminating between and sorting fuel elements of nuclear reactors. 3,855,058, 12-17-74, Cl. 176-19.00r.

Groos, Horst Hans; and Zander, Walter, to Schloemann Aktiengesellschaft. Pre-stressed press frame. 3,783,774, 1-8-74, Cl. 100-214.000.

Grooteboer, Wilhelm, to Linder, Alex, GmbH. Method for the destination control of objects fed into a distributing conveying system and distributing conveying system for performing such method. 3,785,510, 1-15-74, Cl. 214-11.00c.

Groothuizen, Theodorus Maria: *See—*
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Groovfold, Inc.: *See—*
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Gropp, Karl H.; and Hausch, Raymond M., to Ford Motor Company. Self-cleaning engine poppet valve. 3,800,817, 4-2-74, Cl. 137-242.000.

Groppel, Dieter: *See—*
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Sturm, Ferdinand V.; Naschwitz, Walter; Rummel, Werner; and Groppel, Dieter, 3,791,872.

Groppel, Dieter, to Siemens Aktiengesellschaft. Method of producing a structural member formed of electrodes, cover layers and a support frame for fuel elements with a liquid electrolyte, and structural member produced by the method. 3,856,573, 12-24-74, C. 136-86.00r.

Groppelli, Giovanni; Vecchio, Martino; Lodi, Luciano; Covini, Ramano; and Fattore, Vittorio, to Montecatini Edison S.p.A. Aluminum fluoride-based catalyst for the gas-phase fluorination of hydrocarbons. 3,793,229, 2-19-74, Cl. 252-442.000.

Groppenbacher Gregor; Rieckmann, Peter; Rothe, Werner; Schalk, Heinz; and Schellhorn, Jurgen, to Boehringer Mannheim GmbH. Apparatus for coating tablets. 3,841,262, 10-15-74, Cl. 118-19.000.

Groppenbacher, Gregor; Rieckmann, Peter; Rothe, Werner; Schalk, Heinz; and Schellhorn, Jurgen, to Boehringer Mannheim GmbH. Process for coating tablets and making dragees. 3,843,393, 10-22-74, Cl. 117-100.00a.

Gropper, Hans: *See—*
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Gropper, John L., to Sanders Associates, Inc. Credit verifying unit. 3,800,283, 3-26-74, Cl. 340-149.10a.

Gropper, Lee, to Beckman Instruments, Inc. Optical system for centrifuges. 3,807,874, 4-30-74, Cl. 356-197.000.

Gropper, Lee; Durland, Douglas H.; and Galasso, Maurice, to Beckman Instruments, Inc. Schlieren optical system employing a laser light source. 3,847,484, 11-12-74, Cl. 356-129.000.

Groppini, Diego. Device for the manufacture of metal cylinders. 3,793,863, 2-26-74, Cl. 72-84.000.

Groppini, Diego, to Dalmine S.p.A. Machine for engraving on curved metallic surfaces. 3,840,104, 10-8-74, Cl. 197-6.700.

Gros, Marcel Henri: *See—*
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Gros, Wilfred T. Plumb bob device with spool means for tethering lines. 3,789,512, 2-5-74, Cl. 33-393.000.

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Gros-Louis, Antoine. Emergency snowshoes in particular for stranded snowmobilers. 3,798,801, 3-26-74, Cl. 36-2.5ab.

Grosbard, Gregory, to Strategic Automated Systems, Inc. Record medium with validating and cancelling feature and method. 3,793,600, 2-19-74, Cl. 235-61.12n.

Grosbard, Gregory. Magnetic rotor assembly. 3,794,391, 2-26-74, Cl. 308-10.000.

Grosbard, Gregory. Magnetic shield for charged particles. 3,800,158, 3-26-74, Cl. 250-515.000.

Grosbois, Jean; Zimmer, Jean-Claude; and Leroy, Maurice, to Rhone-Progil. Electrolytic deposition of platinum, iridium and their alloys. 3,841,980, 10-15-74, Cl. 204-43.00n.

Grosch, Ernst; Gawlick, Heinz; Bendler, Hellmut; and Flach, Karl-Egon, to Dynamit Noble AG. Safety device for vehicles. 3,797,853, 3-19-74, Cl. 280-150.0ab.

Grosch, Ernst; Gawlick, Heinz; Bendler, Hellmut; and Flach, Karl-Egon, to Dynamit Nobel Aktiengesellschaft. Device for the inflation of safety cushions in vehicles. 3,836,170, 9-17-74, Cl. 280-150.0ab.

Grosch, Hermann; and Oelbe, Hans-Werner, to Fischer & Porter Company. Electrode holder for electromagnetic flowmeters. 3,813,938, 6-4-74, Cl. 73-194.0em.

Groschel, Walter H.: *See—*
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Grose, Ronald D., to Northern Natural Gas Company. Noise suppressor. 3,851,726, 12-3-74, Cl. 181-50.000.

Grosheim, Gene Edward, to Formica Corporation. Postformable thermoset resin containing fibrous laminate and process of postforming the same. 3,846,217, 11-5-74, Cl. 161-88.000.

Grosholz, James R.; Crowley, Charles L.; and Hutter, Charles G., to Air-Shields, Inc. Wound drainage equipment. 3,836,287, 9-17-74, Cl. 417-306.000.

Grosholz, Rainer: *See—*
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Grosjean, Jon Paul, to GTE Sylvania Incorporated. Signal strength meter circuitry. 3,821,649, 6-28-74, Cl. 325-398.000.

Grosko, John A.; Short, Melvin G.; and Stull, James T., to United States Steel Corporation. Apparatus for handling and top-charging a starter bar. 3,825,056, 7-23-74, Cl. 164-274.000.

Grosky, Stephen A.: *See—*
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Gross, Albert, to Kulzer & Co., GmbH. Acrylic tooth-filling composition containing boric acid-releasing compound. 3,876,542, 11-5-74, Cl. 424-81.000.

Gross, Bodo: *See—*
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Gross Cash Registers Limited: *See—*
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Gross, Charles Henry: *See—*
McCardle, Arthur, Jr.; Sponseller, Robert Lee; and Gross, Charles Henry, 3,814,325.

Gross, Dario R., to Midland-Ross Corporation. Shaft seal. 3,840,166, 10-8-74, Cl. 277-74.000.

Gross, David A.: *See—*
Kotok, Alan; Kent, Allan R.; and Gross, David A., 3,810,110.
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Gross, Donald F., to General Electric Company. Method of constructing a labyrinth seal. 3,846,899, 11-12-74, Cl. 29-401.000.
Gross, Donald S., to Rohr Industries, Inc. Nutplate riveting device and method. 3,802,060, 4-9-74, Cl. 19-464.000.
Gross, Edward F. Device for joining canvas boards. 3,787,934, 1-29-74, Cl. 24-85.00r.
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Gross, Henry, to Gross Cash Registers Limited. Printing devices for calculating apparatus. 3,789,755, 2-5-74, Cl. 101-95.000.
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Gross, Jerome A. Rimless recapping apparatus utilizing balanced air pressures. 3,847,695, 11-12-74, Cl. 156-96.000.
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Gross, Joseph Isadore: *See*—
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Gross, T. A. O.; and Ericson, John W., to Polaroid Corporation. Frequency deviation compensation system. 3,831,192, 8-2-74, Cl. 360-27.000.
Gross, T.A.O., to Balshaugh Laboratories, Inc. Electrodeless conductivity measuring system. 3,806,798, 4-23-74, Cl. 324-30.00r.
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Gross, William J. Self-propelled boat. 3,855,957, 12-24-74, Cl. 115-28.00r.
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Grosse, Wolfgang C. F. Connecting elements for wire frames. 3,784,026, 1-8-74, Cl. 211-181.000.
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Grosseau, Albert, to S.A. Automobiles Citroen. Brake control devices for preventing locking a braked wheel. 3,832,010, 8-27-74, Cl. 303-21.0eb.
Grosseau, Albert, to Societe Anonyme Automobiles Citroen. Anti-locking braking device. 3,837,712, 9-24-74, Cl. 303-21.00f.
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Grossman, David G., to Corning Glass Works. Tetrasilicic mica glass-ceramic article. 3,839,055, 10-1-74, Cl. 106-39.600.
Grossman, David G., to Corning Glass Works. Fluor-amphibole glass-ceramics. 3,839,056, 10-1-74, Cl. 106-39.700.
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Grossman, George W. Ski protection system and parts therefor 3,797,284, 3-19-74, Cl. 70-58.000.
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Groves, Richard N., Jr. Control assembly for jet boat. 3,782,320, 1-1-74, Cl. 115-12.00r.
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Schmitt, Karl; Gude, Fritz; and Brandt, Siegfried, 3,839,121.
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Gude, Gunther Max, to Meister-Werke GmbH. Arrangement on a zig-zag or automatic sewing machine for the adjustment of the stitch position and width of the stitch. 3,834,332, 9-10-74, Cl. 112-158.00a.
Gudelis, David A.: *See—*
Reid, Lloyd E.; and Gudelis, David A., 3,806,442.
Gudelis, David A.; and Shaw, David H., to Exxon Research and Engineering Company. Partial predilution dilution chilling. 3,850,740, 11-26-74, Cl. 208-33.000.
Gudin, Claude; and Peel, Eric, to British Petroleum Company Limited, The. Method for growing plants. 3,816,960, 6-18-74, Cl. 47-58.000.
Gudmestad, Ragnar, to Artos Engineering Company. Method and apparatus for producing flexible fiber optical light conductors. 3,789,485, 2-5-74, Cl. 29-203.00d.
Gudmestad, Ragnar, to Artos Engineering Company. Method for making indicia bearing light conductors. 3,807,025, 4-30-74, Cl. 29-412.000.
Gudmestad, Ragnar, to Artos Engineering Company. Cable cutting and stripping machine. 3,857,306, 12-31-74, Cl. 81-9.510.
Gudmundsen, Richard A.; and Rau, James E., to North American Rockwell Corporation. Selectively tunable gaseous laser. 3,790,898, 2-5-74, Cl. 331-94.500.
Gudmundsen, Richard A., to Rockwell International Corporation. Solid state integrating, image motion compensating imager. 3,833,762, 9-3-74, Cl. 178-7.100.
Gudmundsen, Richard A., to Rockwell International Corporation. Conductor-insulator-junction (CIJ) optical memory device and a memory system dependent thereon. 3,855,583, 12-17-74, Cl. 340-173.0ls.
Guebert, Kenneth W.: *See—*
Bieler, Barrie H.; Morgan, David C.; and Guebert, Kenneth W., 3,811,870.
Gueguen, Michel, to International Standard Electric Corporation. Electronically step-by-step rotated directive radiation beam antenna. 3,846,799, 11-5-74, Cl. 343-833.000.
Guehler, Paul F.; and Hofacker, David A., to Minnesota Mining and Manufacturing Company. Humidity control means and packages containing the same. 3,801,011, 4-2-74, Cl. 239-34.000.
Guehr, Helmut. Coolant loss or coolant pump malfunction detection system for internal combustion engines. 3,832,982, 9-3-74, Cl. 123-41.150.
Gueldenpfennig, Klaus; and Russell, Stanley L., to Stromberg-Carlson Corporation. Trunk circuit having selective interface combinations. 3,806,660, 4-23-74, Cl. 179-18.0ah.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., to Stromberg-Carlson Corporation. Transfer circuit. 3,806,661, 4-23-74, Cl. 179-18.0bd.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., to Stromberg-Carlson Corporation. Simplified conference facility for PBX. 3,825,692, 7-23-74, Cl. 179-18.0bc.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., to Stromberg-Carlson Corporation. Message waiting and do-not-disturb. 3,826,876, 7-30-74, Cl. 179-84.00c.
Gueldenpfenning, Klaus: *See—*
Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., 3,816,665.
Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., 3,842,215.
Gueldner, Richard C.: *See—*
McKibben, Gerald H.; Davich, Theodore B.; Gueldner, Richard C.; Hardee, Dicky D.; and Hedin, Paul A., 3,803,303.
Gueldner, Richard C.; Tumlinson, James H., III; Hardee, Dicky D.; Hedin, Paul A.; Thompson, Alonzo C.; and Minyard, James P., to United States of America, Agriculture. Boll-weevil sex attractant. 3,813,443, 5-28-74, Cl. 260-586.00r.
Guell, Jose Maria Dalmau, to Jumberca, S.A. Patterning mechanism for circular knitting machines. 3,791,174, 2-12-74, Cl. 66-50.00r.
Guell, Jose Maria Dalmau. Safety device for positioning of pattern drums in circular knitting machines. 3,797,277, 3-19-74, Cl. 66-50.00b.
Guenantin, Jean. Hardenable composition with resinous binder containing spheroidal micronic inorganic particles. 3,801,536, 4-2-74, Cl. 260-40.00r.

Guenard, Jeanette: *See—*
Mentrup, Anton; Zeile, Karl; Danneberg, Peter; Schromm, Kurt; Guenard, Jeanette; Renth, Ernst-Otto; and Stotzer, Harry, 3,846,549.

Gueniat, Robert: *See—*
Geng, Peter; Gueniat, Robert; Zollinger, Alfred; Luscher, Walter; Schawalder, Hansjorg; and Tschanen, Hanspeter, 3,788,368.

Guenther, Alfhart, to Siemens Aktiengesellschaft. Filter for electrical oscillations. 3,792,382, 2-12-74, Cl. 333-72.000.

Guenther, Friedrich: *See—*
Fitterer, Horst; Uhl, Karl; Guenther, Friedrich; Schmidts, Kurt; and Gaiser, Dieter, 3,843,035.

Guenther, Harry M. Book supporting and reading rack. 3,794,284, 2-26-74, Cl. 248-441.000.

Guenther, Joachim, to Xerox Corporation. Duplex copying system. 3,844,654, 10-29-74, Cl. 355-24.000.

Guenther, Lloyd M.; and Bridge, Alan G., to Chevron Research Company. Lube oil improvement. 3,793,186, 2-19-74, Cl. 208-264.000.

Guenther, W., GmbH: *See—*
Michel, Karl-Heinz; and Hahn, Gustav, 3,844,756.

Guenthner, Franz, to JENAer Glaswerk Schott & Gen. Method and apparatus of calibrating drawn glass tubes. 3,853,522, 12-10-74, Cl. 65-87.000.

Guenthner, Richard A., to Minnesota Mining and Manufacturing Company. Water-in-fluorocarbon emulsion. 3,792,977, 2-19-74, Cl. 8-169.000.

Guenzel, Henry O. Multi-purpose hand tool. 3,804,450, 4-16-74, Cl. 294-51.000.

Gueorguiev, Yordan Krestev: *See—*
Leyarovski, Evgueni Iliev; Nicolov, Borislav Vassilev; and Gueorguiev, Yordan Krestev, 3,854,913.
Leyarovski, Evgueni Iliev; Nicolov, Borislav Vassilev; and Gueorguiev, Yordan Krestev, 3,854,914.

Guerard, Allen D., 20% to Lee, Raymond, Organization, Inc., The. Catsup transfer frame. 3,853,159, 12-10-74, Cl. 141-364.000.

Guerci, Carlo: *See—*
Pagella, Elio; and Guerci, Carlo, 3,818,643.
Pagella, Elio; and Guerci, Carlo, 3,831,283.

Guerci, Carlo; and Vigliermo, Amerigo, to Olivetti, Ing., C., & C., S.p.A. Automatic-control electronic apparatus for machine tools including provision for zero offset. 3,846,680, 11-5-74, Cl. 318-685.000.

Guerette, Marcel, to Moody Matthew, Limited. Folding cart. 3,827,573, 8-6-74, Cl. 211-149.000.

Guerici, Carlo: *See—*
Pagella, Elio; and Guerici, Carlo, 3,781,997.

Guerin, Daniel L. G., to Leflaive, Vincent Rene, Peltier, Guy and Manceau, Marcel. Injection moulding machine. 3,813,014, 5-28-74, Cl. 222-413.000.

Guerinet, Georges Rene: *See—*
Cadiou, Jean Jacques; Guerinet, Georges Rene; Callens, Paul Raymond; and Tracol, Andre G., 3,855,422.

Guermeur, Georges Roger; and Seigneur, Daniel, to Societe Industrielle Honeywell Bull (Societe Anonyme). Control circuit for thyristors. 3,848,140, 11-12-74, Cl. 307-252.000.

Guerr, Herbert. Control lever assembly. 3,808,908, 5-7-74, Cl. 74-489.000.

Guerra, Edward E.: *See—*
Davidsohn, Uryon S.; Short, John P.; Combs, Clyde, Jr.; and Guerra, Edward E., 3,813,584.

Guerra, John P.; and Ingraham, Chester S., to American Optical Corporation. Knife sharpener. 3,844,067, 10-29-74, Cl. 51-58.000.

Guerrant, Edmonds L. Hand splint for implant surgery. 3,815,587, 6-11-74, Cl. 128-77.000.

Guerrero, Michael Carl, to American Hospital Supply Corporation. Centrifuge rotor assembly. 3,786,986, 1-22-74, Cl. 233-26.000.

Guerrero, Paul: *See—*
Armitt, John; Guerrero, Paul; and Peterson, Robert J., 3,834,119.

Guerrini, Gian Paolo; and Falconieri, Remo, to Olivetti, Ing., C. & C., S.p.A. Removable typehead for a printing mechanism. 3,799,311, 3-26-74, Cl. 197-18.000.

Guerrini, Jacques. Rocking-swinging window. 3,802,124, 4-9-74, Cl. 49-192.000.

Guertin, Alfred Thomas: *See—*
Fremont, Robert Emil; Guertin, Alfred Thomas; Fay, Charles Robert; and Stinson, John William, 3,845,287.

Guertin, Alfred Thomas; Keeling, Ronald James; and Schiermeier, Walter William, to Formica Corporation. Laminate comprising pigmented melamine resin modified nitrile rubber impregnated base and superimposed film. 3,798,117, 3-19-74, Cl. 161-251.000.

Guertin, Robert W.: *See—*
Ostand, Paul R.; and Guertin, Robert W., 3,790,126.

Guertin, Robert W., to Dover Corporation. Quick disconnect swivel coupling. 3,817,560, 6-18-74, Cl. 285-90.000.

Guess, Arnold W.; and Schindler, Guenter M., to McDonnell Douglas Corporation. Acoustic liner. 3,821,999, 7-2-74, Cl. 181-33.00h.

Guest, George W., to Sprague & Henwood, Incorporated. Heavy duty soil sampler. 3,817,338, 6-18-74, Cl. 175-239.000.

Guest, George W., to Sprague & Henwood, Incorporated. Self-propelling mechanism. 3,853,196, 12-10-74, Cl. 180-8.00c.

Guest, Jack B.; and Guest, Kathleen E. J. Document sorting apparatus. 3,789,779, 2-5-74, Cl. 108-101.000.

Guest, Jack Bernard; and Guest, Kathleen Ethel Joyce. Apparatus for filing documents. 3,836,219, 9-17-74, Cl. 312-183.000.

Guest, Kathleen E. J.: *See—*
Guest, Jack B.; and Guest, Kathleen E. J., 3,789,779.

Guest, Kathleen Ethel Joyce: *See—*
Guest, Jack Bernard; and Guest, Kathleen Ethel Joyce, 3,836,219.

Guest, Robert J., to Halliburton Company. Self-propelled pipeline plug. 3,837,214, 9-24-74, Cl. 73-40.50r.

Guest, Robert J., to Halliburton Company. Drilling conditions monitor. 3,841,152, 10-15-74, Cl. 73-151.000.

Guest, William H. Fork lift converter attachment. 3,795,331, 3-5-74, Cl. 214-145.000.

Guetens, Edward G.: *See—*
Melpolder, Frank W.; Guetens, Edward G.; and Mameniskis, Walter A., 3,827,947.

Gueterbock, Hermann: *See—*
Steigerwald, Klaus; and Gueterbock, Hermann, 3,808,187.

Guetersloh, John W., to Tyco Laboratories, Inc., mesne. Proximity detector. 3,829,850, 8-13-74, Cl. 340-258.00c.

Guettier, Michel, to Regie Nationale des Usines Renault. Self locking disc brake mechanism. 3,850,268, 11-26-74, Cl. 188-72.200.

Guevara, Alfredo R.: *See—*
Borsenberger, Paul M.; Guevara, Alfredo R.; and Manthey, Joseph W., 3,794,491.

Guezou, Jean: *See—*
Jacob, Jean-Baptiste; Renoulin, Roger; and Guezou, Jean, 3,794,773.

Guffey, John W.; and Gillham, Richard D. Lift planning apparatus. 3,824,692, 7-23-74, Cl. 33-1.0aa.

Guggenheim, Robert Clifton, Sr.; and Liucci, Frank Victor, to International Business Machines Corporation. Crystal indexing fixture. 3,855,738, 12-24-74, Cl. 51-217.00r.

Guggenheim, S. Frederic; and Graveson, Robert T., to United States of America, Atomic Energy Commission. Personal air sampling pump. 3,814,552, 6-4-74, Cl. 417-413.000.

Guggi, Walter Bernhard. Stabilized inverter. 3,838,333, 9-24-74, Cl. 321-45.00r.

Gugin, Robert J. Harrow assembly with rock frame tubes. 3,783,951, 1-8-74, Cl. 172-311.000.

Gugle, James E.: *See—*
Wagner, David P.; and Gugle, James E., 3,837,984.

Gugler, Victor F. Method for continuously panning dough. 3,851,089, 11-26-74, Cl. 426-503.000.

Guglhor, Peter: *See—*
Huber, Walther; Hagen, Heinz; and Guglhor, Peter, 3,829,316.

Guglielmetti, Leonardo: *See—*
Siegrist, Adolf Emil; Liechti, Peter; Maeder, Erwin; Guglielmetti, Leonardo; Meyer, Hans Rudolf; and Weber, Kurt, 3,849,163.

Guglielmi, Nicolo; Vittone, Settimo; and Rolando, Gianfranco, to Olivetti, Ing., C., & C., S.p.A. Zinc oxidation process. 3,852,172, 12-3-74, Cl. 204-56.000.

Guglietti, Henry G., to Plastic Materials Systems, Inc. Method for vibrating blending of fluid particulate materials. 3,814,386, 6-4-74, Cl. 259-2.000.

Gugliotta, George: *See—*
King, Gordon J.; and Gugliotta, George, 3,826,578.

Gugliotta, George; and Raimo, Anthony J., to Laser Sciences, Inc. Apparatus for inspecting cigarettes or the like. 3,812,349, 5-21-74, Cl. 250-223.00r.

Gugliotta, George; and Bradt, David M., to Laser Sciences, Inc. Apparatus for inspecting hardware items. 3,816,746, 6-11-74, Cl. 250-223.00r.

Guha, Dwipendra Nath, to Avnet, Inc. Tripping mechanism for record changer. 3,838,860, 10-1-74, Cl. 274-10.00r.

Guhl, Horst, to Thimm Wellpappen K. G., Firma. Packing case for reception of tetra-hedron-shaped individual packings and an apparatus for piling up the individual packings in the packing case. 3,831,835, 8-27-74, Cl. 229-37.00r.

Guhl, Jay R., 1/2 to Park, W. Dean and 1/2 to Autobale America Corporation. Forklift refuse bin and baler accessory with movable base portion. 3,838,637, 10-1-74, Cl. 100-229.00r.

Guhman, Kenneth James. System and fitting for choke tube repair. 3,796,202, 3-12-74, Cl. 123-119.00f..

Guibert, Clarence R.: *See—*
Hough, William V.; Guibert, Clarence R.; and Hefferan, Gerald T., 3,853,941.

Guibert, Raul, to Paulucci, Jeno F.; d/b/a Paulucci, Jeno F., Enterprises. Pizza baking oven with a helical rack and a radially driven impeller. 3,847,069, 11-12-74, Cl. 99-443.00r.

Guichard, Claude Pierre Albert Louis: *See—*

Chaulet, Roger Louis; Guichard, Claude Pierre Albert Louis; Menissier, Pierre Lucien; and Soret, Jean-Claude Georges, 3,800,848.

Guichard, Jean, to Centre d'Etudes Techniques des Industries de l'Habillement. Device for turning-in the border of pieces made of flexible sheets. 3,783,805, 1-8-74, Cl. 112-2.000.

Guichard, Jean, to Centre d'Etudes Techniques des Industries de l'Habillement. Machine for turning-in the edge of a piece of flexible sheet material, especially a textile fabric. 3,823,935, 7-16-74, Cl. 270-61.00r.

Guichard, Jean, to Centre d'Etudes Techniques des Industries de l'Habillement. Method of forming braided elongated openings. 3,845,732, 11-5-74, Cl. 112-264.000.

Guichard, Louis. Infinitely variable-speed friction transmission. 3,789,699, 2-5-74, Cl. 74-796.000.

Guichard, Robert Charles, to General Electric Company. Ampere rated reed switch. 3,818,392, 6-18-74, Cl. 335-154.000.

Guichard, Robert Charles, to General Electric Company. Relay having a plurality of sealed contact switches. 3,840,831, 10-8-74, Cl. 335-152.000.

Guichet, Niles F. Centric relating device and inspection means. 3,808,688, 5-7-74, Cl. 32-32.000.

Guida, Michael F. Food-handling guides for refrigerators and freezers. 3,837,100, 9-24-74, Cl. 40-2.000.

Guida, Robert F. Water-purifying attachment for boats. 3,852,378, 12-3-74, Cl. 261-4.000.

Guidi, Vincenco: *See—*
Feucht, Alfred; and Guidi, Vincenco, 3,823,643.

Guidinger, Dewayne Chester: *See—*
Christen, Urs; and Guidinger, Dewayne Chester, 3,853,010.

Guido, Joseph J.; and Anderson, James R., to Co-Poly-Ex Corporation. Apparatus for sealing plastic bags. 3,822,164, 7-2-74, Cl. 156-358.000.

Guidoni, Christian. Brassiere. 3,847,158, 11-12-74, Cl. 128-492.000.

Guidosh, Edward F., to Westinghouse Electric Corporation. Vacuum switch drive mechanism. 3,811,022, 5-14-74, Cl. 200-144.00b.

Guidotti, Alfred E.: *See—*
Parsons, Robert A.; and Guidotti, Alfred E., 3,819,465.

Guidry, Shelby L.: *See—*
Johnson, Joseph L.; and Guidry, Shelby L., 3,827,501.

Guienne, Paul Francois: *See—*
Grignon, Robert Georges; and Guienne, Paul Francois, 3,804,197.

Guier, William. Apparatus for threading and unthreading vertical lengths of drill pipe. 3,799,009, 3-26-74, Cl. 81-57.160.

Guier, William. Apparatus for rotating a member. 3,799,010, 3-26-74, Cl. 81-57.170.

Guier, William. Drilling apparatus. 3,857,450, 12-31-74, Cl. 175-85.000.

Guiffrida, Philip: *See—*
Metcalf, Arthur G. B.; Guiffrida, Philip; and Bellows Alfred H., 3,825,913.

Guigan, Jean. Device for inoculation of a culture medium. 3,796,638, 3-12-74, Cl. 195-127.000.

Guigan,Jean. Selective dispensing of stored articles. 3,819,088, 6-25-74, Cl. 221-224.000.

Guigot, Vincent Louis: *See—*
Delgendre, Jacques Claude; Guigot, Vincent Louis; and Marchandise, Victor Felix, 3,832,949.

Guigot, Vincent Louis Eugene: *See—*
Delgendre, Jacques Claude; and Guigot, Vincent Louis Eugene, 3,803,374.

Guigues, Frederic; and Pillard, Marcel T. Apparatus for automatic correction of the positioning control of a burner. 3,814,570, 6-4-74, Cl. 413-76.000.

Guilbaud, Jean-Pierre: *See—*
Germond, Jean-Claude; Glachet, Charles; and Guilbaud, Jean-Pierre, 3,790,002.
Glachet, Charles; Guilbaud, Jean-Pierre; and Vertut, Jean, 3,817,403.

Guilbault, George G.; Shu, Frank R.; and Von Storp, Henning, to United States of America, Environmental Protection Agency. Ion exchange membrane for measuring orthophosphate. 3,857,777, 12-31-74, Cl. 204-296.000.

Guild, Charles L.; and Goodman, Willard B. Sealed expansible mandrels. 3,802,207, 4-9-74, Cl. 61-53.720.

Guild, Charles L.; and Goodman, Willard B. Expansible mandrels for use in driving or withdrawing tubular piles. 3,803,854, 4-16-74, Cl. 61-53.720.

Guild Metal Joining Equipment Company: *See—*
Wheeler, Donald J.; and Lohrenz, Victor, 3,816,696.

Guilden, Paul: *See—*
Kemenczky, Miklos, 3,806,246.

Guilford Mills, Inc.: *See—*
Faille, Harold E., 3,823,451.

Guilhem, Jacques: *See—*
Edwards, Norman W.; Petro, Michael; Guilhem, Jacques; and Pierre, Jean, 3,842,775.

Guillan, Bruce B.: *See—*
Berry, George A., III; Guillan, Bruce B.; Lang, Henry A.; and Brieschke, Karl H., 3,792,844.

Guillaume, Andre; and Schneider, Charles, to Rhone-Poulenc S.A. Process for gluing paper. 3,811,981, 5-21-74, Cl. 156-332.000.

Guillaume, Jacques: *See—*
Nedelec, Lucien; Guillaume, Jacques; and Allais, Andre, 3,787,445.
Nedelec, Lucien; Guillaume, Jacques; and Allais, Andre, 3,856,910.

Guille, Eric L. Dictation mask. 3,796,842, 3-12-74, Cl. 179-188.000.

Guillemain, Jean-Claude. Fishing line cutting device. 3,802,110, 4-9-74, Cl. 43-17.200.

Guillemain, Jean-Claude. Anti-electrocution safety device for electrical connectors. 3,821,618, 6-28-74, Cl. 317-262.00s.

Guillemat, Jean: *See—*
Duhaut, Pierre; Guillemat, Jean; and Miquel, Jean, 3,790,504.

Guillet, Henri; and Luvet, Robert. Method and apparatus for clamping a split collar closing device. 3,811,757, 5-21-74, Cl. 351-90.000.

Guillet, Henri. Improved spring loaded spectacle hinge. 3,837,735, 9-24-74, Cl. 351-113.000.

Guillet, James Edwin, to Ecoplastics Limited. Metal container coated with photodegradable composition. 3,811,931, 5-21-74, Cl. 117-132.00b.

Guillet, James Edwin. Crosslinking or olefin copolymers containing ketone groups using high energy radiation. 3,812,025, 5-21-74, Cl. 204-159.140.

Guillet, James Edwin. Photodegradable polymers of methyl methacrylate and unsaturated ketones. 3,853,814, 12-10-74, Cl. 260-63.00r.

Guillet, Robert; and Cornillault, Jean, to Compagnie Generale d'Electricite and Compagnie Industrielle des Lasers. System enabling the detecting of movements of a first element in relation to another. 3,799,674, 3-26-74, Cl. 356-138.000.

Guilleux, Robert. Detector apparatus. 3,813,565, 5-28-74, Cl. 307-308.000.

Guillon, Joseph: *See—*
Feiner, Maria; Gubler, Michel; and Guillon, Joseph, 3,829,394.

Guillory, Jack P.; and Mathis, Ronald D., to Phillips Petroleum Company. Polymer pro-oxidant comprising hydroxy-substituted 2,4-pentadienophenones. 3,839,311, 10-1-74, Cl. 260-93.700.

Guillory, Jack P.; and Mathis, Ronald D., to Phillips Petroleum Company. Polyolefins stabilized with nickel or cobalt complexes of halogenated mono or dithio beta diketones. 3,856,750, 12-24-74, Cl. 260-45.75n.

Guillory, Perry Gene, Sr. Highway safety fin. 3,847,497, 11-12-74, Cl. 404-10.000.

Guillot, David G., to Uniroyal, Inc. Reaction product of an organometallic compound and an aminopolyol. 3,856,835, 12-24-74, Cl. 260-429.900.

Guillot, Edmond P.: *See—*
Benoit, Roland A.; and Guillot, Edmond P., 3,797,273.
Benoit, Roland A.; and Guillot, Edmond P., 3,851,345.

Guillot, Georges: *See—*
Trotel, Jacques; Guillot, Georges; and Fay, Bernard, 3,843,916.

Guillot, Jean Claude; Poignant, Pierre; and De Lesseux, de Bazelaire Jacques, to Rhone-Progil. Certain N-thiazol-2-ylureas. 3,821,239, 6-28-74, Cl. 260-306.80r.

Guillot, Joseph M., Jr., to Collins Radio Company. Hybrid electronic cirucit employing meshed support. 3,848,078, 11-12-74, Cl. 174-52.00s.

Guilluni, Philips Jeannine: *See—*
Delsa, Marcel; and Guilluni, Philips Jeannine, 3,841,989.

Guimard, Lucien: *See—*
Paris, Philippe Y. J.; Bougon, Pierre P. A.; and Guimard, Lucien, 3,849,597.

Guimbal, Jean C. Linear motor for guided transport-installation. 3,802,349, 4-9-74, Cl. 104-148.000.

Guimier, Jacques A.; and Coutin, Pierre F., to Alkan, R., & Cie. Electronic distributor for the sequential supplying electric-current-receiving loads. 3,808,459, 4-30-74, Cl. 307-224.000.

Guinea Hermanos Ingenieros, S.A.: *See—*
Elorza, Salvador Guinea, 3,850,417.

Guinet, Jacques E.: *See—*
Paraskevas, Dimitri; L'Hermite, Alain A.; Bernard, Georges F.; and Guinet, Jacques E., 3,847,481.

Guinn, Paul A.: *See—*
Burkert, Edward F.; and Guinn, Paul A., 3,857,435.

Guinosso, Charles J.: *See—*
Douglas, George H.; and Guinosso, Charles J., 3,795,691.
Sellstedt, John H.; Teller, Daniel M.; and Guinosso, Charles J., 3,813,386.
Teller, Daniel M.; Guinosso, Charles J.; Bell, Stanley C.; and Douglas, George H., 3,817,994.
Teller, Daniel M.; Guinosso, Charles J.; Bell, Stanley C.; and Fenichel, Richard L., 3,836,639.

Guion, Christian: *See—*
Boudault, Robert; and Guion, Christian, 3,857,061.

Guion, William G.; and Green, Terence C., to Southwest Research Institute. Automatic sector indicating direction finder system. 3,824,596, 716-74, Cl. 343-113.00r.
Guiot, Jean Marie: *See—*
Astle, Brian; and Guiot, Jean Marie, 3,798,059.
Guiraud, Francois, to Societe dite: Fishet-Bauche. Lock device. 3,796,073, 3-12-74, Cl. 70-134.000.
Guise, Frank, to Binks-Bullows, Limited. Liquid spraying apparatus. 3,788,554, 1-29-74, Cl. 239-332.000.
Guisen, Pierre: *See—*
Wey, Raymond; Guisen, Pierre; and Le Dred, Ronan, 3,824,191.
Guisinger, John E.: *See—*
Lewicki, George W.; and Guisinger, John E., 3,837,908.
Guist, Le Roy R.: *See—*
Jedlicka, James R.; Guist, Le Roy R.; and Beam, Richard M., 3,830,060.
Guitar, Pressley H. Coin magic device. 3,822,879, 7-9-74, Cl. 272-8.00r.
Guittard, Michael R., to Ferodo Limited. Asbestos-based friction material. 3,850,791, 11-26-74, Cl. 162-145.000.
Gulati, Ved Kumar, to Xerox Corporation. Closed cell polyurethane foam pen guide damper. 3,824,602, 7-16-74, Cl. 346-139.00c.
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Gutbier, Ernst A., to Western Electric Company, Incorporated. Method of detecting flaws in plated-through-holes of circuit modules using ultraviolet light. 3,808,434, 4-30-74, Cl. 250-302.000.

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Guth, Lauren W., to General Electric Company. Control arrangement for a washing machine. 3,798,465, 3-19-74, Cl. 307-141.000.

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Guth, Lauren W., to General Electric Company. Rack level adjustment system in a dishwasher. 3,809,450, 5-7-74, Cl. 312-351.000.

Guth, Lauren W., to General Electric Company. Washing appliance with temperature indicating means. 3,813,942, 6-4-74, Cl. 73-343.00r.

Guth, Lauren W., to General Electric Company. Waste food disposer mounting assembly. 3,827,730, 8-6-74, Cl. 285-159.000.

Guth, Lauren W., to General Electric Company. Combination latching and switching mechanism. 3,841,677, 10-15-74, Cl. 292-335.000.

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Guth, Lauren W., to General Electric Company. Means in a dishwashing machine for starting the operational cycle thereof. 3,850,185, 11-26-74, Cl. 134-58.0dl.

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Guthrie, James L.; and Huffman, Lenore L., to Grace, W. R., & Co. Dispersing agents for adhesives. 3,844,997, 10-29-74, Cl. 260-29.20n.

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Guthrie, Robert M., to Fastener Engineers, Inc. Method and apparatus for controlling pay-off of wire from a coil to a wire processing machine. 3,815,837, 6-11-74, Cl. 242-54.00r.

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Guthrie, Roger T.; and Kushlefsky, Bernard G., to M & T Chemicals Inc. Triorganotin salts of thiophene carboxylic acids. 3,833,543, 9-3-74, Cl. 260-45.75k.

Guthrie, William J., to Guthrie Machinery Company. Apparatus for opening compressed packages. 3,805,354, 4-23-74, Cl. 29-200.00d.

Gutierrez, Julian. Foldable table and seating structure. 3,797,884, 3-19-74, Cl. 297-159.000.

Gutierrez, Julian. Inter-actuating record holding structure. 3,812,975, 5-28-74, Cl. 211-40.000.

Gutierrez, Magda Ofelia: *See—*
Barchas, Myron; and Gutierrez, Magda Ofelia, 3,838,966.

Gutierrez, Miramon; and Gutierrez, Ricardo. Golf putting training device. 3,857,570, 12-31-74, Cl. 273-186.00c.

Gutierrez, Ricardo: *See—*
Gutierrez, Miramon; and Gutierrez, Ricardo, 3,857,570.

Gutknecht, Peter; Heng, Terrence M. S.; and Nathanson, Harvey C., to Westinghouse Electric Corporation. Solid state components. 3,851,379, 12-3-74, Cl. 29-571.000.

Gutkowski, Robert F.: *See—*
Dworkin, Howard J.; and Gutkowski, Robert F., 3,784,453.

Gutlbauer, Franz; Meyer, Meinert; and Schlanzke, Claus-Georg, to Schloemann Aktiengesellschaft. Dividing rolled lengths of stock into merchant lengths. 3,841,180, 10-15-74, Cl. 83-15.000.

Gutleber, Frank S., to United States of America, Army. Median frequency generator. 3,783,389, 1-1-74, Cl. 328-15.000.

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Vollmer, Herbert; Romelburg, Josef; Kammholz, Gunther; Wanka, Oskar; and Gutlhuber, Friedrich, 3,792,980.
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Gutlich, Karl Friedrich: *See—*
Halasz, Istvan; Otto, Hans; Gutlich, Karl Friedrich; and Walkling, Peter, 3,820,660.

Gutman, Anatoly Lvovich; Prefsman, Vladimir Alexandrovich; Abramov, Leonid Mikhailovich; and Shokurov, Jury Stepanovich. Detachable telescopic joint. 3,836,273, 9-17-74, Cl. 403-377.000.

Gutman, Arnold D., to Stauffer Chemical Company. Oximinophosphonodithioates as insecticides and acaricides. 3,790,670, 2-5-74, Cl. 424-210.000.

Gutman, Arnold D., to Stauffer Chemical Company. Insecticidal phosphonyl cyanodithioimido carbonates. 3,810,982, 5-14-74, Cl. 424-210.000.

Gutman, Arnold D., to Stauffer Chemical Company. Certain phosphorus containing compounds used as insecticedes and acaricides. 3,830,927, 8-20-74, Cl. 424-212.000.

Gutman, Arnold D., to Stauffer Chemical Company. Herbicides. 3,840,361, 10-8-74, Cl. 71-87.000.

Gutman, Nathan; Larsen, Dorwin R.; and Volle, Everette M., to Caterpillar Tractor Company. Asphalt reclaimer. 3,843,274, 10-22-74, Cl. 404-91.000.

Gutman, William B.: *See—*
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Gutmann, Alfred, Gesellschaft fur Maschinenbau: *See—*
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Gutmann, Hugo: *See—*
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Bollag, Werner; Gutmann, Hugo; Hegedus, Balthasar; Kaiser, Ado; Langemann, Albert; Muller, Marcel; and Zeller, Paul, 3,824,288.
Bollag, Werner; Gutmann, Hugo; Hegedus, Balthasar; Kaiser, Ado; Langemann, Albert; Muller, Marcel; and Zeller, Paul, 3,830,840.

Gutmann, Rolf: *See—*
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Gutmann, Walter: *See—*
Nicolet, Rene; and Gutmann, Walter, 3,851,016.

Gutner, Kenneth H.: *See—*
Kaplan, Edward L.; and Cless, Gerhard, 3,846,001.

Gutner, Kenneth H. Drawer slide having novel front panel connection. 3,797,906, 3-19-74, Cl. 312-330.000.

Gutner, Kenneth H. Door latching structure. 3,801,143, 4-2-74, Cl. 292-76.000.

Gutner, Kenneth H. Drawer guide. 3,844,627, 10-29-74, Cl. 308-3.600.

Gutner, Kenneth H. Method of installing drawer guide, and structure. 3,850,482, 11-26-74, Cl. 308-3.600.

Gutner, Kenneth H. Corner bracket for furniture case. 3,854,268, 12-17-74, Cl. 52-753.00d.

Gutner, Kenneth H. Corner connector for tubular members. 3,854,831, 12-17-74, Cl. 403-292.000.

Gutnick, Morton. Abortion facilitating device and process. 3,848,602, 11-19-74, Cl. 128-344.000.

Gutos Metallschliessen-fabrik Bader & Hoch K.G.: *See—*
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Gutowski, Antoni P.: *See—*
De Jong, Maarten C.; and Gutowski, Antoni P., 3,835,549.

Gutowski, Chester L.: *See—*
Smith, Richard A.; and Gutowski, Chester L., 3,828,833.

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Gutschik, Ernst: *See—*
Bodesheim, Ferdinand; Radlmann, Eduard; Kohler, Armin; Gutschik, Ernst; and Nischk, Gunther, 3,823,123.

Gutshall, Charles E., to Elco Industries, Inc. Method and apparatus for making a threaded fastener with captive clamping means. 3,837,212, 9-24-74, Cl. 72-469.000.

Gutshall, Charles E., to Elco Industries, Inc. Screw adapted for visible inspection of tightness. 3,854,372, 12-17-74; Cl. 85-61.000.

Gutshall, Richard L.: *See—*
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Gutt, Ann: *See—*
Von Strandtmann, Max; Ringel, Samuel; and Gutt, Ann, 3,804,948.

Guttag, Alvin, to Weston Chemical Corporation. Polymers stabilized with trimethylol propane phosphites. 3,819,571, 6-25-74, Cl. 260-45.80r.

Guttag, Alvin, to Weston Chemical Corporation. Trimethylol propane phosphite. 3,845,168, 10-29-74, Cl. 260-927.00r.

Gutte, Richard: *See—*
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Dalibor, Horst; Gutte, Richard; and Stenzel, Gunter, 3,819,447.
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Gutterman, Kirill Davidovich: *See—*
Brukovsky, Igor Pavlovich; Yakolvlev, Pavel Borisovich; and Gutterman, Kirill Davidovich, 3,826,889.

Guttinger, Heinrich, to Aginfor AG fur Industrielle Forschung. Displacement machine. 3,829,256, 8-13-74, Cl. 418-5.000.

Guttinger, Kurt, to SAIA AG. Fabrik elektrischer Apparate. Device for producing a rotating movement by means of at least one pulsating driving force. 3,794,865, 2-26-74, Cl. 310-82.000.

Guttman, Earney C.; Suchy, William J.; and Berardinelli, Vincent J., to National Steel Corporation. Cleaning paint hooks. 3,830,196, 8-20-74, Cl. 118-70.000.

Guttman, Murray. Model auto-giro. 3,791,067, 2-12-74, Cl. 46-75.000.

Guttman, Murray. Model auto-giro. 3,857,194, 12-31-74, Cl. 46-244.00b.

Guttmann, Joachim: *See—*
Borner, Manfred; Guttmann, Joachim; Loffler, Werner; and Gruchmann, Dietmar, 3,800,388.

Guttmann, Stephan: *See—*
Stadler, Paul; Stutz, Peter; and Guttmann, Stephan, 3,846,433.

Guttmann, Stephan; Pless, Janos; and Bossert, Heinz, to Sandoz Ltd. Derivatives of salmon thyrocalcitonin. 3,801,561, 4-2-74, Cl. 260-112.500.

Guttulsrud, Odd. Ski-bindings. 3,850,439, 11-26-74, Cl. 280-11.35b.

Gutweiter, Klemens: *See—*
Cherdron, Harald; Burg, Karlheinz; and Gutweiter, Klemens, 3,795,715.

Gutzwiller, Juerg Albert; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. Processes and intermediated for quinine, quinidine, isomers and derivatives thereof. 3,857,837, 12-31-74, Cl. 260-240.00r.

Gutzwiller, Juerg Albert Walter; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. [1-Benzoyle-3(R)-alkyl-4(R)-piperidylmethyl] -oxo- (6,7 substituted-4 quinolyl) propionic acid. 3,857,846, 12-31-74, Cl. 260-287.000.

Gutzwiller, Juerg Albert Walter; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. 6,7 Substituted 4 (3[3(R)alkyl, 4(S) piperidyl]-z-oxopropyl) quinoline and racemates. 3,857,847, 12-31-74, Cl. 260-287.000.

Guy, Kenneth Ronald; Powell, Leslie Francis; and Gooding, Raymond Michael, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Bladed rotor assemblies. 3,807,898, 4-30-74, Cl 416-220.000.

Guy, Kenneth Theodore, to Lucas Aerospace Limited. Fluid feed systems. 3,847,172, 11-12-74, Cl. 137-100.000.

Guy, Richard E. Powered air-purifying respirator helmet. 3,822,698, 7-9-74, Cl. 128-142.700.

Guye-Vuilleme, Jean-Frederic: *See*—
Litzler, Alfred; Liechti, Hans Wilhelm; Guye-Vuilleme, Jean-Frederic; Koller, Eugen Johann; Milicevic, Branimir; and Angliker, Hans-Joerg, 3,837,802.

Guyer, Elbert J. Cooker. 3,815,491, 6-11-74, Cl. 99-468.000.

Guyer, Reynolds W., Jr.; d/b/a Winsor Concepts: *See*—
Cross, Norton M., Jr., 3,784,205.

Guyon, Roger: *See*—
Tariel, Henri; and Guyon, Roger, 3,833,523.

Guyonnet, Jean-Francis, to Centre National de Recherche Scientifique. Friction armature with friction and magnetic linings. 3,848,313, 11-19-74, Cl. 29-191.200.

Guyot, Charles, to Ebauches S.A. Timepiece. 3,844,107, 10-29-74, Cl. 58-42.500.

Guyot, Joel, to Thomson-CSF. System for processing electrical signals including means for effectively increasing its length of a delay line. 3,792,344, 2-12-74, Cl. 324-77.00d.

Guyot, Volker; Holdinghausen, Paul; and Mueller, Martin, to Schenck, Carl, AG. Method and circuit arrangement for producing and transmitting electrical reference pulses. 3,852,673, 12-3-74, Cl. 328-127.000.

Guyton, David L. Method and apparatus for locating a principal meridian of an astigmatic optical system. 3,785,723, 1-15-74, Cl. 351-34.000.

Guyton, David L. Zonal focus method for determining the amount of astigmatic correction for an optical system. 3,841,760, 10-15-74, Cl. 356-124.000.

Guyton, James H.; and Taylor, Larry W., to General Motors Corporation. Tape cartridge retaining and ejecting mechanism. 3,805,289, 4-16-74, Cl. 360-93.000.

Guyton, James H., to General Motors Corporation. Circuit board connector with screw fastener. 3,812,381, 5-21-74, Cl. 317-101.00p.

Guzay, Casimer M. Carbon dioxide absorber apparatus. 3,830,632, 8-20-74, Cl. 23-284.000.

Guzda, Jan J. Wire cutting and bending tool. 3,847,189, 11-12-74, Cl. 140-106.000.

Guziak, Leonard F.: *See*—
Gleason, Edward H.; and Guziak, Leonard F., 3,792,007.

Guzman, Adolfo M.; Hu, Paul Y.; and Waller, Tracy N., to International Business Machines Corporation. Capstan/tachometer assembly. 3,836,774, 9-17-74, Cl. 250-231.00r.

Guzman, Angel: *See*—
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Guzov, Konstantin Borisovich: *See*—
Litvinovich, Georgy Mikhailovich; Zhavoronkov, Leonid Andreevich; Stebelev, Nikolai Alexandrovich; Guzov, Konstantin Borisovich; and Lyagalv, Ivan Nikitovich, 3,830,109.

Guzy, Raymond L., to Borg-Warner Corporation. Rubber composition. 3,817,908, 6-18-74, Cl. 260-37.0ep.

Guzzo, Ralph. Roof panel. 3,852,933, 12-10-74, Cl. 52-533.000.

Guzzo, Ralph F. Sizing and forming tool. 3,837,213, 9-24-74, Cl. 72-479.000.

Guzzo, Ralph F. Expansion joint and drain conduit for foundation walls. 3,850,193, 11-26-74, Cl. 137-362.000.

Gvacho, Daniel S., to Reynolds Metals Company. Container construction. 3,799,423, 3-36-74, Cl. 229-14.00b.

Gvang Motor Company Pty., Limited: *See*—
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Van Grecken, Gene, 3,841,802.

Gvantmakher, Iser Moiseevich: *See*—
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Gwiazdon, Rodney K.: *See*—
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Gwilliam, Ralph Derek: *See*—
Clark, Norman Owen; and Gwilliam, Ralph Derek, 3,805,961.

Gwilliam, Ralph Derek, to English Clays Lovering Pochin & Company Limited. Pressures filters and filter elements therefor. 3,782,554, 1-1-74, Cl. 210-350.000.

Gwin, Richard B.; Ballis, William L.; Churchheus, Claude W.; and Hutt, Bruce L., to Columbia Gas System Service Corporation. Welding torch oscillator and positioner. 3,783,222, 1-1-74, Cl. 219-60.00a.

Gwin, Richard B.; Ballis, William L.; and Churchheus, Claude W., to Columbia Gas System Service Corporation. Welding torch oscillator. 3,783,223, 1-1-74, Cl. 219-60.00a.

Gwinner, Dietrich: *See*—
Wahnschaffe, Jurgen; Gwinner, Dietrich; Pattas, Konstantin; and Braun, Eberhard, 3,800,526.

Gwnia, Ewald: *See*—
Ziemek, Gerhard; Beck, August; Gwnia, Ewald; Schatz, Friedrich; and Arntz, Hans-Joachim, 3,791,416.

Gwozdz, Joseph W., to McKinney Manufacturing Company. Adjustable door hinge containing coil spring. 3,825,973, 7-30-74, Cl. 16-189.000.

Gwozdz, Joseph W., to McKinney Manufacturing Company. Door hinge switch with pin operated, reciprocating switch actuator rod. 3,840,715, 10-8-74, Cl. 200-61.700.

Gwynne, Jacob M. T-clip truss and rafter system of roof construction. 3,849,961, 11-26-74, Cl. 52-639.000.

Gwynne, Thomas, to BPB Industries Limited. Method and apparatus for forming a lined folded edge on plasterboard. 3,806,389, 4-23-74, Cl. 156-202.000.

Gwynne, Thomas, to BPB Industries Limited. Cementitious building board with edge reinforcing strips. 3,849,235, 11-19-74, Cl. 161-44.000.

Gyarmati, Erno; Nickel, Hubertus; and Wallroth, Carl-Friedrich, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Method of and apparatus for the production of coated-particle fuel for nuclear reactors. 3,822,140, 7-2-74, Cl. 117-46.0cg

Gyarmati, Erno; and Nickel, Hubertus, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Method of making fuel and fertile elements for nuclear-reactor cores. 3,833,470, 9-3-74, Cl. 176-68.000.

Gyarmati, Erno; and Nickel, Hubertus, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Process for producing fuel and breeder bodies for a nuclear reactor. 3,838,184, 9-24-74, Cl. 264-.500.

Gybowski, Estellem: *See*—
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Gybowski, Frank. Game device. 3,785,656, 1-15-74, Cl. 273-177.00a.

Gybowski, Frank; and Gybowski, Estellem. Surface projectile target member and similar target pivoted thereby. 3,792,859, 2-19-74, Cl. 273-41.000.

Gyertyanffy, Valentin: *See*—
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Gyimesi, Jozsef: *See*—
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Gylland, Ernest F., Jr., to Westinghouse Electric Corporation. Multiple compressor refrigeration system. 3,785,169, 1-15-74, Cl. 62-468.000.

Gynn, George E., to Syncro Corporation. Method of making nickel oxide capacitor. 3,803,678, 4-16-74, Cl. 29-25.420.

Gynn, George E., to Syncro Corporation. Electric brake controller. 3,838,888, 10-1-74, Cl. 303-20.000.

Gynn, George E., to Syncro Corporation. Regulating circuit. 3,848,177, 11-12-74, Cl. 322-73.000.

Gyogyszerkutato Intezet: *See*—
Mlinko, Sandor; Banfi, Dezso; Dobis, Emilia; Ottinger, Jozsef; Payer, Karoly; Palagyi, Tivadar; and Turi, Agnes, 3,832,137.
Toth-Sarudy, Eva; Horvath, Istvan; Gyimesi, Jozsef; Ott, Istvan; Alfoldi, Laszlo; Berdy, Janos; Koczka, Istvan; Scholtz, Vilma; Szell, Valeria; and nee Tomori, Laszio Eva, 3,798,129.

Gyongyos, Ivan, to Prolizenz AG. Continuous casting of non-ferrous metals. 3,835,917, 9-17-74, Cl. 164-279.000.

Gyongyosi, Laszlo; and Gregory, David A., to Ingersoll-Rand Company. Dust control system. 3,800,890, 4-2-74, Cl. 175-209.000.

Gyongyosi, Laszlo; and Gregory, David A., to Ingersoll-Rand Company. Flexible hood means. 3,834,470, 9-10-74, Cl. 175-211.000.

Gyongyosi, Laszlo; and Gregory, David A., to Ingersoll-Rand Company. Sealing means. 3,834,718, 9-10-74, Cl. 277-166.000.

Gyorgy, Paul. Oil of tempeh. 3,855,256, 12-17-74, Cl. 260-442.800.

Gyori, Steven Andrew: *See*—
Diebler, Herman G.; Gyori, Steven Andrew; and McCandless, William J. C., 3,811,842.

Gyro Tech Incorporated: *See*—
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Gyromat Corporation, Inc.: *See*—
Wiggins, Richard F., 3,857,513.

Gyrosystems, Inc.: *See*—
Howe, Edwin W., 3,815,428.

Gysell, Bjorn; Nilsson, Karl Axel; and Nilvid, Gary. Fire alarm system. 3,832,678, 8-27-74, Cl. 340-22.00r.

Gysin, Leonhard: *See*—
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Zust, Armin; and Schindler, Walter, 3,812,126.

Gyugyi, Laszlo; Pelly, Brian R.; and Stacey, Eric J., to Westinghouse Electric Corporation. Electrical converter apparatus having an integrating type control means for determining firing points and an end stop firing pulse control means. 3,818,315, 6-18-74 Cl. 321-69.00r.

Gyugyi, Laszlo; Stacey, Eric J.; and Strycula, Eugene C., to Westinghouse Electric Corporation. Electrical power system. 3,825,815, 7-23-74, Cl. 321-9.00a.

Gyugyi, Laszlo, to Westinghouse Electric Corporation. Electrical power generating arrangement and method utilizing an induction generator. 3,832,625, 8-27-74, Cl. 322-47.000.

Gyugyi, Laszlo; and Stacey, Eric J., to Westinghouse Electric Corporation. Cycloconverter system including means to derive a control signal representing fundamental converter output. 3,852,654, 12-3-74, Cl. 321-7.000.

Gyugyi, Laszlo, to Westinghouse Electric Corporation. Static power conversion arrangement and method. 3,858,105, 12-31-74, Cl. 321-27.00r.

Gyulai, Zoltan: *See*—
Galgoczy; Gabor; Gyulai, Zoltan; Palagyi, Tivadar; and Wagensommer, Jozsef, 3,828,515.

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H & D E Limited: *See*—
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H & L Distributing Company: *See*—
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H & M Vibro, Inc.: *See*—
Haverkamp, Edwin; and Morren, George J., 3,828,864.

H. B. Contracting Ltd.: *See*—
Berg, Harry, 3,851,856.

H C Products Co.: *See*—
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H. R. Electronics Company: *See*—
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Levasseur, Joseph L., 3,828,903.
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H-B Industries Inc.: *See*—
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H-C Industries, Inc.: *See*—
Lidikay, Lyle M.; and Wilde, Sheldon L., 3,825,044.

Ha, In W.; and Ruble, Frank D., to Information Storage Systems, Inc. AGC servo system having error signal responsive to a non-extinguishable intensity right energy signal. 3,806,254, 4-23-74, Cl. 356-169.000.

Ha, In W.; and Touchton, James J., to Itel Corporation, mesne. Electronic tachometer. 3,811,091, 5-14-74, Cl. 328-1.000.

Ha, In W.; and Sordello, Frank J., to Xerox Corporation. Motor control apparatus. 3,818,297, 6-18-74, Cl. 318-331.000.

Ha, In W.; and Fravel, John C., to Xerox Corporation. Techniques for maintaining substantially constant tension in web. 3,829,745, 8-13-74, Cl. 318-7.000.

Haack, Werner, to Pfister Waagen GmbH. Weighing apparatus. 3,810,638, 5-14-74, Cl. 177-213.000.

Haacke, Gottfried: *See*—
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Haag, Charles W.: *See*—
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Haag, Frank K.: *See*—
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Haag, Franz: *See*—
Locher, Otto; Haag, Franz; and Bongartz, Paul, 3,855,148.

Haag, Franz; and Locher, Otto, to Motan Gesellschaft mit beschrankter Haftung. Oscillating burner device. 3,817,681, 6-18-74, Cl. 431-1.000.

Haag, Herbert; and Kreutter, Erich, to ITT Industries, Inc. Electrical connector. 3,822,416, 7-2-74, Cl. 339-65.000.

Haag, John Henry, to Kent Plastics Corporation. Apparatus for forming plastic articles from sheet materials. 3,854,860, 12-17-74, Cl. 425-502.000.

Haag, Korb Juergen: *See*—
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Haag, Thomas H.; and Kine, Benjamin B., to Rohm & Haas Company. Stain resistant coating composition. 3,847,857, 11-12-74, Cl. 260-29.6rw.

Haag, Werner O.; and Miale, Joseph N., to Mobil Oil Corporation. Oxidative dehydrogenation of paraffins. 3,787,517, 1-22-74, Cl. 260-683.300.

Haag, Werner O.; and Miale, Joseph N., to Mobil Oil Corporation. Oxidative dehydrogenation of propionitrile to acrylonitrile. 3,821,278, 6-28-74, Cl. 260-465.900.

Haag, Werner O.; and Whitehurst, Darrell Duayne, to Mobil Oil Corporation. Preparation of carboxylic acids by hydrogenolysis of esters. 3,849,457, 11-19-74, Cl. 260-413.000.

Haag, Werner O.; and Olson, David H., to Mobil Oil Corporation. Xylene isomerization. 3,856,871, 12-24-74, Cl. 260-668.00a.

Haagensen, Duane B., to Matsushita Electric Industrial Co., Ltd. Microwave oven with premixing of wave energy before delivery to its heating cavity. 3,789,179, 1-29-74, Cl. 219-10.550.

Haak, Gunter, to Union Special Maschinenfabrik G.m.b.H. Multistage device for the control of the air supply for pneumatic aligning members. 3,788,251, 1-29-74, Cl. 112-252.000.

Haake, Robert, to Bell & Howell Company. Cassette tape recorder with indexing head. 3,811,685, 5-21-74, Cl. 274-4.00f.

Haake, Robert, to Bell & Howell Company. Sequential picture apparatus with oscillatory optical compensator. 3,832,047, 8-27-74, Cl. 352-109.000.

Haake, Robert, to Bell & Howell Company. Tape recorder with cassette invertor. 3,833,224, 9-3-74, Cl. 360-92.000.

Haan, David E., to Honeywell, Inc. Wide-band electroacoustic transducer. 3,833,825, 9-3-74, Cl. 310-9.500.

Haanen, Martin I. Wind operated power generating apparatus. 3,806,733, 4-23-74, Cl. 290-5.00s.

Haans, Petrus Franciscus Antonius: *See*—
Gieles, Antonius Cornelis Maria; Haans, Petrus Franciscus Antonius; and Van Esdonk, Johannes, 3,838,379.
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Van Roosmalen, Johannes Hendrikus Theodorus; Haans, Petrus Franciscus Antonius; Van Esdonk, Johannes; and Hornman, Johannes Petrus, 3,801,848.

Haar, Gary Ter: *See*—
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Haar, Gary Ter, to Ethyl Corporation. Complexes of beryllium hydride with tertiary amines. 3,806,520, 4-23-74, Cl. 260-326.800.

Haar, Kenneth W., to Haas, K. W., & Associates Co. Linear loading film processing device. 3,847,477, 11-12-74, Cl. 354-312.000.

Haarer, Erich: *See*—
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Haarmann & Reimer GmbH: *See*—
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Haas, Carl, Firma: *See*—
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Haas, David J.; and Pichert, Jerome. Moving target spring loaded X-ray tube. 3,794,872, 2-26-74, Cl. 313-60.000.

Haas, Eduard. Two-part tablet dispensing receptacle. 3,844,445, 10-29-74, Cl. 221-229.000.

Haas, Franz. Apparatus for producing tubular waffle shapes. 3,793,938, 2-26-74, Cl. 99-450.600.

Haas, Friedrich: *See*—
Gunther, Peter; Oberkirch, Wolfgang; Pampus, Gottfried; Haas, Friedrich; and Marwede, Gunter, 3,824,226.

Haas, George C., to Sperry Rand Corporation. Linear frequency to voltage converter circuit. 3,784,845, 1-8-74, Cl. 307-233.000.

Haas, Gerhard J.: *See*—
Feldman, Jacob R.; Haas, Gerhard J.; Lugay, Joaquin C.; and Wiener, Claric J., 3,857,966.

Haas, Gerhard Julius; and Lugay, Joaquin Castro, to General Foods Corporation. Method of preparing animal food of increased palatability. 3,857,968, 12-31-74, Cl. 426-33.000.

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Haas, Hans; Sperber, Heinrich; and Friedrichsen, Wilhelm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of formaldehyde. 3,852,361, 12-3-74, Cl. 260-603.00c.

Haas, Helmut: *See*—
Langmaack, Jurgen; and Haas, Helmut, 3,785,575.
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Haas, Helmut; and Eichholz, Gunter, to Klockner-Humboldt-Deutz Aktiengesellschaft. Vibrating mill with heat insulating grinding chamber. 3,838,825, 10-1-74, Cl. 241-175.000.

Haas, Howard C.: *See*—
Demember, John R.; Haas, Howard C.; and Reid, Jerome L., 3,816,125.

Haas, Howard C., to Polaroid Corporation. Novel imaging systems containing optically active polysulfoxide groups. 3,816,127, 6-11-74, Cl. 96-29.00r.

Haas, Howard C., to Polaroid Corporation. Novel photographic products and processes. 3,833,367, 9-3-74, Cl. 96-3.000.

Haas, James Lynn; and Goodridge, Paul A., to Owens-Corning Fiberglas Corporation. Method and apparatus for mixing solids and liquids. 3,843,100, 10-22-74, Cl. 259-25.000.

Haas, John L.: *See*—
Birkestrand, Orville J.; and Haas, John L., 3,820,180.

Haas, John W.: *See*—
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Haas, Jorg, to Bruker-Physik AG. Submarine craft. 3,838,654, 10-1-74, Cl. 114-16.00r.

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Haas, Karl-Heinz: *See*—
Kraft, Winfried; Wasmund, Heiko; and Haas, Karl-Heinz, 3,851,949.

Haas, Kurt: *See*—

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Haas, Larry A.; and Khalafalla, Sanaa E., to United States of America, Interior. Decomposition of carbonyl sulfide (COS) in electric charge. 3,783,116, 1-1-74, Cl. 204-164.000.

Haas, Paul A., to United States of America, Atomic Energy Commission. Loading a cation exchange resin with uranyl ions. 3,800,023, 3-26-74, Cl. 423-7.000.

Haas, Rainer, to Hollmuller, Hans, Maschinenbau, Firma. Apparatus for etching copper and copper alloys. 3,806,393, 4-23-74, Cl. 156-345.000.

Haas, Richard C.: *See*—
Buttery, Kenneth T.; and Haas, Richard C., 3,797,728.

Haas, Robert George: *See*—
Yago, John Gerald; Haas, Robert George; and Rheinfrank, George Bruckner, 3,797,984.

Haas, Ronald H.: *See*—
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Haas, Ronald H., to General Motors Corporation. Throttle override controlled by brake system. 3,792,760, 2-19-74, Cl. 192-3.00m.

Haas, W. Ernst, and Sohn: *See*—
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Haas, Warner E. L.; Adams, James E., Jr.; and Flannery, John B., Jr., to Xerox Corporation. Liquid crystal imaging system. 3,842,275, 10-15-74, Cl. 250-331.000.

Haas, Werner; and Isensee, Klaus-Staffen, to Siemens Aktiengesellschaft. Device for transmitting predetermined volumes of liquid from one container to another container. 3,812,890, 5-28-74, Cl. 141-94.000.

Haas, Werner E. L.: *See*—
Adams, James E.; Becker, James H.; and Haas, Werner E. L., 3,836,230.
Adams, James E., Jr.; and Haas, Werner E. L., 3,848,965.

Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, to Xerox Corporation. Liquid crystalline compositions and imaging systems. 3,803,050, 4-9-74, Cl. 252-408.000.

Haas, Werner E. L., to Xerox Corporation. Liquid crystal imaging system having optical storage capabilities. 3,806,230, 4-23-74, Cl. 350-160.0lc.

Haas, Werner E. L.; Flannery, John B., Jr.; Mechlowitz, Bela; and Adams, James E., to Xerox Corporation. Nematic liquid crystalline compositions having extended mesomorphic range. 3,816,113, 6-11-74, Cl. 96-1.000.

Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, to Xerox Corporation. Imaging system with an aligned liquid crystal image contrasted by a non-aligned liquid crystal background. 3,843,230, 10-22-74, Cl. 350-157.000.

Haas, Werner E. L.; Adams, James E.; and Mechlowitz, Bela, to Xerox Corporation. Aligning agent for lowering the threshold voltage required to effect an optically negative to optically positive phase transition. 3,843,233, 10-22-74, Cl. 350-160.0lc.

Haas, Werner E. L.; and Adams, James E., to Xerox Corporation. Method for rapidly switching a display by sequential application of orthogonal electric fields to a liquid crystal material having optical properties of the nematic mesophase. 3,854,751, 12-17-4, Cl. 350-160.0lc.

Haas, William M.; and Merzlak, Richard P. Device for collecting, containing and dispensing markers for games. 3,851,656, 12-3-74, Cl. 133-5.00a.

Haase, Bernd W.: *See*—
O'Shea, Ronald J.; Haase, Bernd W.; and Hawkins, Albert W., 3,796,428.
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Haase, Charles A. Single-drum conveyor belt. 3,817,355, 6-18-74, Cl. 186-1.00a.

Haase, Dietrich E. Radial blower. 3,794,439, 2-26-74, Cl. 415-54.000.

Haase, Donald Andrew, to Mobil Oil Corporation. Method of producing a laminated thermoplastic foam-film receptacle. 3,822,161, 7-2-74, Cl. 156-245.000.

Haase, Donald J.: *See*—
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Haase, Ernst-Gunter; and Konig, Rudolf, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Bumper member for a vehicle. 3,837,695, 9-24-74, Cl. 293-71.00p.

Haase, Gerhard: *See*—
Asselborn, Peter; Haase, Gerhard; and Menne, Guenther, 3,843,909.

Haase, Johann: *See*—
Eberle, Herbert; Meyer, Wolfgang; and Haase, Johann, 3,785,943.

Haase, Kurt H. Ruler device for decimal-octal conversion. 3,843,048, 10-22-74, Cl. 235-84.000.

Haase, Victor H., to Evans, Robert G., Company. Saw blade hood leveling structure. 3,834,369, 9-10-74, Cl. 125-13.0ss.

Haase, Willard A.; and Wegenke, Ingwald E., to Montello Products Company. Deburring and chamfering apparatus. 3,785,742, 1-15-74, Cl. 408-3.000.

Haataja, Paavo: *See*—
Kantola, Mikko; Haataja, Paavo; and Saarinen, Pentti, 3,817,303.

Haban, Joseph. Snow thrower with rotatable snow spout. 3,808,715, 5-7-74, Cl. 37-43.00r.

Habara, Noritada: *See*—
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Habasch, Ahmed, to Bosch, Robert, G.m.b.H. Interlock circuit for blocking operation of starter motor of a combustion engine. 3,857,043, 12-24-74, Cl. 290-38.000.

Habash, Michael B., to Advanced Extrusions Limited. Method of forming a tapered container. 3,814,040, 6-4-74, Cl. 113-120.00m.

Habdas, Edward P.: *See*—
Herren, James L.; and Habdas, Edward P., 3,825,873.
Withers, James G., Jr.; Habdas, Edward P.; and Jurmo, Michael W., 3,841,136.

Habeck, Dietmar A.: *See*—
Galantay, Eugene E.; and Habeck, Dietmar A., 3,798,215.

Habeck, Dietmar A.; and Houlihan, William J., to Sandoz-Wander, Inc. 3-Substituted phenyl-quinazoline-4(3H)-ones as sedative hypnotics. 3,784,693, 1-8-74, Cl. 424-250.000.

Habeck, Dietmar A.; and Houlihan, William J., to Sandoz-Wander, Inc. Substituted naphtho pyrazoles. 3,842,088, 10-15-74, Cl. 260-296.00t.

Habecker, John W., to Cherry Electrical Products Corporation. Illuminated push-button switch. 3,849,621, 11-19-74, Cl. 200-310.000.

Habegger, James D.: *See*—
Daigle, Jack R.; and Habegger, James D., 3,786,944.

Habegger, James D.; Huttula, Andrew B.; Fowler, Daniel L.; and Schrader, James T., to Rapistan, Incorporated. Method and apparatus for sorting articles on a conveyor utilizing a shift register and a time varying code control mechanism. 3,786,939, 1-22-74, l. 214-11.00a.

Habegger, Richard; and Dombrowski, Frank R., to General Electric Company. Apparatus and method for use in coil tying. 3,824,940, 7-23-74, Cl. 112-121.200.

Habegger, Richard J.: *See*—
Fields, Harold T.; and Habegger, Richard J., 3,813,754.

Habegger, Richard J., to General Electric Company. Means for aligning coil injection tooling with a stator core. 3,815,207, 6-11-74, Cl. 29-205.00r.

Habegger, Richard J., to General Electric Company. End turn binding device and method. 3,844,235, 10-29-74, Cl. 112-121.200.

Habegger, Willi: *See*—
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Habel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft: *See*—
Kluge, Gunter; and Kipp, Adolf, 3,808,350.

Habelt, Gerhard, to U.S. Philips Corporation. Recording and/or playback apparatus. 3,821,816, 6-28-74, Cl. 360-137.000.

Haber, Jan W. H.: *See*—
Cawley, John D.; and Haber, Jan W. H., 3,799,972.

Haber, Raphael Ralph G.; and Simonovitch, Chaim, to Abic Ltd. Pyridone derivatives. 3,821,235, 6-28-74, Cl. 260-295.50r.

Habereder, Peter-Paul: *See*—
Baumann, Franz; Bayerlein, Friedrich; Habereder, Peter-Paul; and Stache, Helmut, 3,808,137.

Haberer, Jean-Paul; and Fontaine, Roger Noel, to Societe d'Etudes et de Recherches Magnetiques (S.E.R.M.A.G.). Solid-state diffusion process for the manufacture of permanent magnet alloys of transition elements and metals of the rare-earth group. 3,816,189 6-11-74, Cl. 148-101.000.

Haberer, Jean-Paul, to Societe d'Etudes et de Recherches Magnetiques (S.E.R.M.A.G.). Pre-fitting method of manufacturing cobalt samarium permanent magnet alloy. 3,844,851, 10-29-74, Cl. 148-103.000.

Haberkorn, Axel: *See*—
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Haberkorn, Egon: *See*—
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Haberkorn, Gunther; and Conring, Imko, to Weco Wehmeyer & Co. Mounting arrangement. 3,802,292, 4-9-74, Cl. 74-594.400.

Haberl, Frank J.: *See*—
Goldsby, Arthur F.; Anand, Satish K.; and Haberl, Frank J., 3,858,181.

Haberl, Paul. Process for preparing a mixture containing a binder material and polyolefin. 3,853,800, 12-10-74, Cl. 260-28.5as.

Haberland, Peter H.: *See*—
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Haberland, Peter H.; Lay, Frank M.; Murphy, Thomas J.; Skolnik, Marvin B.; Spencer, Oliver S.; Wagner, Peter R.; Whitaker, Howard L.; and Wilson, Donald M., to International Business Machines Corporation. Gas panel fabrication. 3,837,724, 9-24-74, Cl. 316-0.000.

Haberland, Ulrich: *See*—
Freitag, Dieter; Haberland, Ulrich; and Krimm, Heinrich, 3,799,953.

Haberle, Heinz; and Herter, Eberhard, to International Standard Electric Corporation. System for controlling the transmit time of stations which are in communication with one another via a satellite. 3,787,634, 1-22-74, Cl. 179-15.0bs.

Haberle, Walter. Apparatus for automatically cleaning toilet seats. 3,837,018, 9-24-74, Cl. 4-233.000.

Haberle, Wilhelm. Device for producing a swivelling motion in a linearly moving member. 3,788,154, 1-29-74, Cl. 74-99.000.

Haberle, Wilhelm. Apparatus for producing a thermoplastically deformable plastic foil. 3,790,327, 2-5-74, Cl. 425-376.000.

Haberlin, Hans Paul, to Wheelabrator-Frye Inc. Method and apparatus for surface treatment of work pieces. 3,813,817, 6-4-74, Cl. 51-15.000.

Haberling, Edmund; Kiesheyer, Heinrich; and Weigand, Hansher-mann, to Deutsche Edelstahlwerke GmbH. High-speed tool steels. 3,850,621, 11-26-74, Cl. 75-126.00a.

Haberll, Wilhelm. Coupling. 3,788,434, 1-29-74, Cl. 192-26.000.

Habermann, Helmut; Loyen, Roger; deceased (by Loyen, Ghislaine, nee Voisin; administratrix); Joly, Pierre; Auber, Yvan; and Malmaison, Rueil, to Etat Francais represente par le Ministre d'Etat charge de la Defense Nationale Delegation Ministerielle pour l'rmement Direction Technique des Engins Laboratoire de Recherches Balistiques et Aerodynamiques. Devices including rotating members supported by magnetic bearings. 3,787,100, 1-22-74, Cl. 308-10.000.

Habermeier, Hans K., to Pee Dee Pathology Associates, P.A. Measuring apparatus. 3,816,923, 6-18-74, Cl. 33-1 0bb.

Habermeier, Juergen: *See*—
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Baumann, Dieter; and Habermeier, Juergen, 3,784,525.
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Garratt, Peter Garth; Habermeier, Juergen; Porret, Daniel; Leumann, Ernst; and Zuppinger, Paul, 3,847,769.
Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, 3,793,248.
Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, 3,799,894.

Habermeier, Juergen; Batzer, Hans; and Porret, Daniel, to Ciba-Geigy AG. Process for the manufacture of triglycidylisocyanurate. 3,793,321, 2-19-74, Cl. 260-248.0ns.

Habermeier, Juergen; Porret, Daniel; and Leumann, Ernst, to Ciba-Geigy Corporation. Polyacrylates of N-heterocyclic compounds. 3,808,226, 4-30-74, Cl. 260-309.500.

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Habermeier, Juergen; Batzer, Hans; and Porret, Daniel, to Ciba-Geigy AG. Diglycidyl ethers. 3,821,242, 6-28-74, Cl. 260-309.500.

Habermeier, Juergen; and Porret, Daniel, to Ciba-Geigy, Corporation. Heterocyclic triglycidyl compounds. 3,821,243, 6-28-74, Cl. 260-309.500.

Habermeier, Juergen; and Popret, Daniel, to Ciba-Geigy AG. Diisocyanate hydantoin compounds. 3,839,354, 10-1-74, Cl. 260-309.500.

Habermeier, Juergen; and Porret, Daniel, to Ciba-Geigy AG. Glycidyl hydantoin compounds. 3,846,442, 11-5-74, Cl. 260-309.500.

Habermeier, Juergen; and Porret, Daniel, to Ciba-Geigy Corporation. Diacrylic acid ester derivatives of hydantoin compounds. 3,852,302, 12-3-74, Cl. 260-309.500.

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Habermeier, Jurgen; Porret, Daniel; and Baumann, Dieter, to Ciba-Geigy Corporation. Epoxide resin mixtures of heterocyclic N,N-diglycidyl compounds. 3,809,660, 5-7-74, Cl. 260-2.0ep.

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Habermeiter, Jurgen; Buxbaum Lothar; and Batzer, Hans, to Ciba-Geigy Corporation. Linear homopolyesters and copolyesters based on methylene-bis (hydroxyalkyldimethyl hydantoins). 3,856,754, 12-24-74, Cl. 260-75.00n.

Haberrecker, Klaus, to Siemens Aktiengesellschaft. X-ray tube with a rotary anode. 3,801,846, 4-2-74, Cl. 313-60.000.

Haberrecker, Klaus; and Gunther, Stefan, to Siemens Aktiengesellschaft. Rotary anode for X-ray tubes. 3,819,968, 6-25-74, Cl. 313-60.000.

Habert, Roger. Means for operating the side-windows in automobile vehicles. 3,821,907, 7-2-74, Cl. 74-425.000.

Habert, William C., to Uniroyal Inc. Shaping drum. 3,822,165, 7-2-74, Cl. 156-415.000.

Habert, William C.; Baumgartner, Wayne, Sr.; and Brown, Robert J., to Uniroyal, Inc. Tire building machine. 3,844,871, 10-29-74, Cl. 156-362.000.

Habert, William Charles; and Todd, Charles Edward, to Uniroyal, Inc. Apparatus for conveying a tire tread. 3,847,705, 11-12-74, Cl. 156-405.000.

Haberthier, Wilbert L. Demountable winch frame. 3,802,666, 4-9-74, Cl. 254-150.00r.

Haberthur, Walter, to Bron Elektronik AG. Portable current supply device for flash bulbs and housing means. 3,809,968, 5-7-74, Cl. 317-120.000.

Habfast, Karleugen; and Heinen, Gerhard, to Varian Mat Gesellschaft mit beschrankter Haftung. Thermal stabilization device using a temperature sensing device and an electrical heating means especially for field probes for measuring magnetic field strength n sectoral field mass spectometers. 3,818,184, 6-18-74, Cl. 219-504.000.

Habgood, Robert P., Jr., to Plexowood, Inc. Composite articles and methods of making the same. 3,790,421, 2-5-74, Cl. 156-242.000.

Habib, Emile E., to Deering Milliken Research Corporation. Process for modifying keratin fibers to reduce relaxation and felting shrinkage and product produced thereby. 3,822,995, 7-9-74, Cl. 8-127.500.

Habib, Nissin, to Bell Telephone Laboratories, Incorporated. Video clamping circuit with variable clamping level during blanking. 3,811,053, 5-14-74, Cl. 307-237.000.

Habib, Pierre: *See*—
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Habib, Robert. Machine tool. 3,851,563, 12-3-74, Cl. 90-11.500.

Habicht, Bernard G., to Western Roto Thresh Ltd. Drum for rotary deck thresher. 3,856,023, 12-24-74, Cl. 130-27.00q.

Habicht, Ernst; Libis, Bernard; and Zergenyi, Janos, to Ciba-Geigy Corporation. Saluretic and diuretic compositions and method with 2,3-dihydro-5-(2-nitro-1-alkenyl)-benzofuran-2-carboxylic acids and pharmaceutically acceptable salts. 3,843,797, 10-22-74, l. 424-285.000.

Habig, Kurt; and Baessler, Konrad, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing sulfited platinum on carbon catalysts. 3,803,054, 4-9-74, Cl. 252-439.000.

Habisohn, Victor J., to Power Electronics International, Inc. Plural motor control system. 3,798,519, 3-19-74, Cl. 318-46.000.

Habisohn, Victor J., to Power Electronics International, Inc. Multiple speed motor control system. 3,819,996, 6-25-74, Cl. 318-224.000.

Habostad, Arne. Paint roller tray with self-contained roller cleaning means. 3,837,035, 9-24-74, Cl. 15-257.060.

Habu, Teiji; Yoshida, Kyusaku; and Takahashi, Kazuo, to Konishiroku Photo Industry Co. Ltd. Antistatic dispersion comprising at least two kinds of organic solvents. 3,847,838, 11-12-74, Cl. 252-500.000.

Hach Chemical Company: *See*—
Hach, Clifford C., 3,849,002.
Stookey, Lawrence L., 3,836,331.

Hach, Clifford C., to Hach Chemical Company. Method and apparatus for eliminating air during fluid turbidity measurement. 3,849,002, 11-19-74, Cl. 356-103.000.

Hachiboshi, Makoto: *See*—
Furuya, Akio; Hachiboshi, Makoto; Adachi, Toshio; and Uchida, Masakatsu, 3,786,004.

Hachmann, Klaus: *See*—
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Hachmeister, Ernest G., to Industrial Engineering & Equipment Company. Blast coil heater. 3,851,147, 11-26-74, Cl. 219-375.000.

Hachtman, Samuel J. Tobacco flavored candy. 3,851,069, 11-26-74, Cl. 426-175.000.

Hachtmann, Otto. Clamp coupling. 3,850,538, 11-26-74, Cl. 403-350.000.

Hacias, Kenneth J., to Oxy Metal Finishing Corporation. Electroless copper plating solution and process. 3,793,037, 2-19-74, Cl. 106-1.000.

Hack, Heinrich, to Schenck, Carl, Maschinenfabrik GmbH. Balancing apparatus with an optical unbalance indicator. 3,811,327, 5-21-74, Cl. 73-465.000.

Hack, Heinrich, to Schenck, Carl, Maschinenfabrik GmbH. Apparatus for controlling the weight correction of workpieces prior to finish-machine. 3,847,055, 11-12-74, Cl. 90-14.000.

Hack, Helmuth: *See*—
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Sasse, Klaus; Eue, Ludwig; and Hack, Helmuth, 3,801,589.
Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, 3,787,538.

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Hack, Joachim: *See—*
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Hack, Peter: *See—*
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Hagemann, Hermann, to Bayer Aktiengesellschaft. Process for the production of acylisocyanates. 3,850,985, 11-26-74, Cl. 260-545.00r.

Hagemann, Julius, to United States of America, Navy. Acoustic image conversion tube. 3,800,275, 3-26-74, Cl. 340-5.0mp.

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Robinson, Alfred G.; and Hagemeyer, Hugh J., Jr., 3,839,472.

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Hagemeyer, Hugh John, Jr.; and Wright, Howard Nolan, Jr., to Eastman Kodak Company. Continuous process for the preparation of 2,5-dimethyl-2,4-hexadiene. 3,857,903, 12-31-74, Cl. 260-681.000.

Hagemeyer, Kenneth L., to Greenlee Bros. & Company. Bending apparatus. 3,813,914, 6-4-74, Cl. 72-318.000.

Hagen, Alexander; Bergmeyer, Hans Ulrich; Gruber, Wolfgang; Beaucamp, Klaus; and Jaworek, Dieter, to Boehringer Mannheim GmbH. Process and apparatus for the quantitative determination of an enzymatically reactive substance. 3,838,011, 9-24-74, Cl. 195-103.0r.

Hagen, Armin Theodoro, to Gesellschaft fur Kernforschung mbH. Self-locking safety seal and method of identifying tampering therewith. 3,790,198, 2-5-74, Cl. 292-317.000.

Hagen, Clarence A., to Weck, Edward & Company, Inc. Surgical air drill. 3,835,858, 9-17-74, Cl. 128-305.000.

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Hagen, Donald H. Bicycle transmission. 3,850,044, 11-26-74, Cl. 74-230.230.

Hagen, Donald H. Expansible sprocket for bicycles. 3,850,045, 11-26-74, Cl. 74-244.000.

Hagen, Donald J.: *See*—
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Hagen, Elmer Ray. Method and apparatus for removing wrinkles from slacks, or the like. 3,790,043, 2-5-74, Cl. 223-61.000.

Hagen, Fred. Brandy warmer and server. 3,782,361, 1-1-74, Cl. 126-43.000.

Hagen, Frederick A.; and Davis, Royal E., to Chrysler Corporation. Copper brazing of matrix structures. 3,844,027, 10-29-74, Cl. 29-488.000.

Hagen, Hans Werner, to Metzeler Aktiengesellschaft. Rotational casting or molding machine. 3,799,729, 3-26-74, Cl. 425-435.000.

Hagen, Heinz: *See*—
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Hagen, Helmut; and Becke, Friedrich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of benzoxetane-2-spiro-2-(1,3-diazocycloalkanes). 3,818,036, 6-18-74, Cl. 2e0-309.700.

Hagen, James M.; and Haigh, Clayton M., to Xerox Corporation. Microfilm cartridge and adapter apparatus. 3,813,056, 5-28-74, Cl. 242-197.000.

Hagen, James P.: *See*—
Lefevre, Clyde E.; Hagen, James P.; and Owens, Ben H., 3,817,754.

Hagen, Kenneth G.: *See*—
Huffman, Fred N.; and Hagen, Kenneth G., 3,815,363.

Hagen, Klaus: *See*—
Kuhlmann-Schafer, Wilhelm H.; Hagen, Klaus; Peters, Hans-Dieter; and Wolters, Gunther, 3,800,057.

Hagen, Magnus F.; and Jordan, Fred H. Synchronization and precision sequenching of ball retainer relationship to one-half of slide movement. 3,857,618, 12-31-74, Cl. 308-3.800.

Hagen Manufacturing Company: *See*—
Waggoner, Robert A., 3,844,485.

Hagen, Werner, to Maschinenfabrik Niehoff-Kommanditgesellschaft. Method and apparatus for winding wire. 3,845,913, 11-5-74, Cl. 242-25.00r.

Hagen, William F., to Turbo Refrigerating Company. Ice rake control. 3,797,267, 3-19-74, Cl. 62-233.000.

Hagen, William F., to Turbo Refrigerating Company. Ice rake for ice making apparatus. 3,842,993, 10-22-74, Cl. 214-17.0db.

Hagenah, Hans-Gerhard, to Union Sils, van de Loo & Co. Bicycle pedal with reflectors. 3,796,110, 3-12-74, Cl. 74-594.400.

Hagenbach, Robert J.: *See*—
Madrid, Robert W.; and Hagenbach, Robert J., 3,849,127.
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Hagenbach, Robert J., to Xerox Corporation. Imaging system. 3,793,985, 2-26-74, Cl. 118-637.000.

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Hagenbach, Robert J., to Xerox Corporation. Highly shape-classified oxidized low carbon hypereutectoid electrostatographic steel carrier particles. 3,849,182, 11-19-74, Cl. 117-100.00m.

Hagenbach, Robert Joseph: *See*—
Madrid, Robert William; and Hagenbach, Robert Joseph, 3,833,366.

Hagenbach, Robert Joseph, to Xerox Corporation. Cellulose coated carriers. 3,850,663, 11-26-74, Cl. 117-17.500.

Hagener, James L.: *See*—
Church, Herman S.; and Hagener, James L., 3,804,445.
Church, Herman S.; Hagener, James L.; and Scifres, Zach M., III, 3,841,682.
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Hageniers, Omep L.: *See*—
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Hagens, Robert J.: *See*—
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Hagenson, Leo J.: *See*—
Nielsen, Harold R.; and Hagenson, Leo J., 3,816,044.

Hager Aktiebolag: *See*—
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Hager, Bror Olof, to Hager Aktiebolag. Drying of wood. 3,811,200, 5-21-74, Cl. 34-9.500.

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Peterson, Francis C., 3,785,236.
Peterson, Francis C., 3,787,923.
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Hager, George S.: *See*—
Yablonski, Robert E.; Hager, George S.; and Campbell, William G., Jr., 3,824,870.

Hager, Hans Jacob, to Hoffmann-La Roche Inc. Latex polymer reagents for diagnostic tests. 3,857,931, 12-31-74, Cl. 424-12.000.

Hager, Howard K.: *See*—
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Hager, James R.; and Riordan, Hugh E., to Brunswick Corporation. Marine drive setting apparatus. 3,834,345, 9-10-74, Cl. 115-41.0ht.

Hager, Robert Bonner: *See*—
La Lande, William Alfred, Jr.; Hauptschein, Murray; and Hager, Robert Bonner, 3,789,088.

Hager, Robert G. Luggage transport structure. 3,799,568, 3-26-74, Cl. 280-37.000.

Hagerman, Kenneth C.: *See*—
Murphy, Alfred M.; Hagerman, Kenneth C.; and Wagner, Nicholas A., 3,798,024.

Hagert, Robert D.; and Sanderson, James L., to Bota of Boulder. Leather encased flask. 3,830,270, 8-20-74, Cl. 150-52.00e.

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Hagg, Per Borje: *See*—
Blomqvist, Nils Verner; and Hagg, Per Borje, 3,847,710.

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Haggart, James A., Jr.: *See*—
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Haggberg, Marvin D.; Kavanagh, Ira K.; and Van Horik, Leonard R., to McDonnell Douglas Corporation. Method of forming honeycomb panel edges. 3,785,788, 1-15-74, Cl. 29-423.000.

Hagger, John Michael Richards: *See*—
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Hagglund, Ruben Jakob Valdemar. Interconnection element system. 3,811,785, 5-21-74, Cl. 403-255.000.

Hagihara, Shingo: *See*—
Endo, Tetsuhiko; Aoba, Toshio; Morishita, Shozo; Egami, Katsusuke; and Hagihara, Shingo, 3,820,730.

Hagihara, Tadashi. Self-reconditioning filter apparatus for continuous removal of solids from a stream of liquid. 3,856,678, 12-24-74, Cl. 210-160.000.

Hagihara, Takeaki: *See*—
Akamatsu, Kiyoshi; Hagihara, Takeaki; and Ishido, Teruhisa, 3,839,171.

Hagimoto, Hiroshi; Arai, Torhiharu; Yoshikawa, Harutoshi; Watanabe, Mitsuo; and Okada, Yoshiyuki, to Takeda Chemical Industries, Ltd. Herbicidal compositions containing various benzylthiodiazoles and triazines. 3,787,198, 1-22-74, Cl. 71-93.000.

Hagino, Hiroshi: *See*—
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Hagiwara, Kenji: *See*—
Tanaka, Yasuhiko; Shimazaki, Yasumi; and Hagiwara, Kenji, 3,808,862.

Hagiwara, Kokichi: *See*—
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Hagiwara, Masaki: *See*—
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Hagiwara, Yoshihide, to Japan Natural Food Co., Ltd. Process for producing powders of green leaves of wheat and barley. 3,787,591, 1-22-74, Cl. 426-373.000.

Hagiwara, Yoshitoshi: *See*—
Kusaka, Kunio; Sekine, Tomio; Osawa, Makoto; Hagiwara, Yoshitoshi; and Takagi, Yoshiaki, 3,853,545.

Hagiz, Gil. Overload interrupt systems for three-phase induction motor. 3,818,270, 6-18-74, Cl. 317-13.00r.

Hagle, Edward E. Alphanumeric tactile information communication system. 3,831,296, 8-27-74, Cl. 35-35.00a.

Hagler, Ray, Jr.: *See*—
Toth, Louis R.; Hagler, Ray, Jr.; and Keller, Orville F., 3,827,568.

Haglid, Frank R. Metal tetrachlorocrotonate compounds and methods of preparation thereof. 3,803,189, 4-9-74, Cl. 260-429.00r.

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Hagmann, Mark J.: *See*—
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Hagood, Jerry W.; Cason, Charles M., III; and Shelton, Joe, to United States of America, Army. Laser system incorporating a field effect emitter. 3,798,570, 3-19-74, Cl. 331-94.500.

Hagood, Jerry W.; Shelton, Joe; and Norman, Ralph L. Method for producing a field effect control device. 3,840,955, 10-15-74, Cl. 29-25.180.

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Hagstrom, Leonard. Line cord caddy. 3,837,448, 9-24-74, Cl. 191-12.400.

Hagstrom, Olov; and Riede, Gerhard, to Gambro AG. Dialysis apparatus. 3,837,496, 9-24-74, Cl. 210-321.000.

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Hagstrom, Robert G., to Peabody Coal Company. Water spray over transfer mechanism for cooling chars. 3,839,157, 10-1-74, Cl. 202-117.000.

Hague, Joe T., to General Electric Company. Connector block for hermetic motor compressor. 3,850,496, 11-26-74, Cl. 339-64.00m.

Hague, Robert Z.; Hantman, Edwin F.; Laucks, Howard H.; Loos, George J.; Marsciano, Matthew F.; and Mastropole, Alfred J., to Moog Inc. Automatic tool changer. 3,844,028, 10-29-74, Cl. 29-568.000.

Hague, Wilmer W., to Chambersburg Engineering Company. Control system for an impact device. 3,818,799, 6-25-74, Cl. 91-40.000.

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Hahn, Alan S.; and Jordan, Harold O. W., to Peinting Developments, Inc. Apparatus for coupling photographic parameters into a mechanism for the production of photographic color separations. 3,794,756, 2-26-74, Cl. 178-5.4cd.

Hahn, Alfred: *See*—
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Hahn, Allan C.: *See*—
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Hahn Brass Limited: *See*—
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Hahn, Carl, Dr., GmbH: *See*—
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Hahn, Carl, Dr., KG.: *See*—
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Hahn, Do Won, to Ortho Pharmaceutical Corporation. Method of inducing infertility and preventing littering in the female. 3,818,093, 6-18-74, Cl. 424-270.000.

Hahn, Dr., Carl, GmbH: *See*—
Simon, Stefan, 3,814,469.

Hahn, Ernest A.: *See*—
Parker, Gordon M.; Wismer, Marco; and Hahn, Ernest A., 3,785,849.

Hahn, Ernest A.; Hartzell, Rowland S.; and Gerek, Gene, to PPG Industries, Inc. Coated container and method of coating. 3,783,006, 1-1-74, Cl. 117-93.310.

Hahn, Granville J., to Cosden Oil & Chemical Company. Method of sonic welding of plastics. 3,783,061, 1-1-74, Cl. 156-73.000.

Hahn, Granville James, to Cosden Oil & Chemical Company. Antistatic plastic articles. 3,796,366, 3-12-74, Cl. 229-1.50b.

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Hahn, Gustav: *See*—
Michel, Karl-Heinz; and Hahn, Gustav, 3,844,756.

Hahn, Hans Helmut: *See*—
Pretorius, Victor; and Hahn, Hans Helmut, 3,796,657.

Hahn, Harry L. Device and method for correcting ingrown toenails. 3,799,160, 3-26-74, Cl. 128-81.00a.

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Hahn, Rea I., 3,806,282.

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Sorenson, Charles E.; and Grimmer, Jon M., 3,788,416.
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Hahn, Peter A.: *See*—
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Hahn, Philip P., to Georgia-Pacific Corporation. Planting device for tree seedling plugs. 3,797,417, 3-19-74, Cl. 111-4.000.

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Hahn, Rea I., to Hahn Hydraulics, Inc. Dual pump system. 3,806,282, 4-23-74, Cl. 417-287.000.

Hahn, Robert E.: *See*—
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Hahner, Reinhard: *See*—
Bleicher, Manfred; Falchle, Jorg; Hahner, Reinhard; Hansel, Gernot; Schmid, Wolfgang; and Wanner, Karl, 3,828,863.
Gotsch, Dieter; Hahner, Reinhard; Lederer, Hans; Kirn, Manfred; and Kuhlmann, Gerhard, 3,799,275.
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Hai, Atta M.: *See*—
Leidy, Harold T.; Hayes, John T., Jr.; and Hai, Atta M., 3,840,677.

Hai, Nhu Bui, to Thomson-CSF. Capped antenna of the offset Cassegrainian type. 3,810,187, 5-7-74, Cl. 343-781.000.

Haid, Eric: *See*—
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Haid, Erich: *See*—
Bergmeyer, Hans Ulrich; Haid, Erich; Nelboeck-Hochstetter, Michael; and Weimann, Gunter, 3,803,125.

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Haifley, William E.; Kennerk, Robert D.; and Woods, Richard E., to Franklin Electric Co., Inc. Label handling mechanism. 3,815,898, 6-11-74, Cl. 271-65.000.

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Haigh, Jack M.; and Mackay, Joseph H., Jr. Replaceable resilient pad assembly for abrasive finishing articles. 3,844,072, 10-29-74, Cl. 51-378.000.

Haigh, Richard Wolliscroft. Electric sound-producing device. 3,846,792, 11-5-74, Cl. 340-384.00e.

Haigh, Richard Woolliscroft. Electromagnetic device. 3,794,868, 2-26-74, Cl. 310-36.000.

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Haight, William John: *See*—
Critchley, John Edward; and Haight, William John, 3,814,865.

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Hain, Paul O., to Champion International Corporation. Cast coating with improved speed and quality. 3,829,325, 8-13-74, Cl. 117-64.00c.

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Meek, James M.; Ravilious, Clarence F.; and Hainard, Wilden G., 3,803,619.

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Haines, Robert C.; Barrett, John E.; and Stevens, Eric H., to Dunlop Holdings Limited. Tennis rackets and frames therefor. 3,809,402, 5-7-74, Cl. 273-73.00c.

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Haines, Russell R., to PACO Packaging, Inc. Tamperproof package. 3,835,995, 9-17-74, Cl. 206-42.000.

Haino, Kozo: *See*—
Futaki, Kiyoshi; Haino, Kozo; and Kohmura, Isao, 3,829,401.
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Hainski, Martha B.; and Ordonez, Guido A., to Baxter Laboratories, Inc. Hemolytic assay system. 3,843,777, 10-22-74, Cl. 424-13.000.

Hair, George R.: *See*—
Hefernan, William; Hair, George R.; and Nielsen, John G., 3,788,032.

Hair, Hugh A., to Anaren Microwave Incorporated. Digital frequency meter. 3,800,221, 3-26-74, Cl. 324-78.00d.

Hair, Michael L.: *See*—
Filbert, Augustus M.; and Hair, Michael L., 3,782,915.

Haire, Charles G.: *See*—
Olson, Roy C.; and Haire, Charles G., 3,821,963.

Hairston, Thomas J.: *See*—
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Burness, Donald M.; Haist, Grant M.; and King, James R., 3,844,788.
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Haist, Grant Milford: *See*—
Olivares, Ismael Adolfo; Bean, Frederick Roland; and Haist, Grant Milford, 3,782,949.

Haisty, Robert W., to Texas Instruments Incorporated. Making paths of devitrifiabie chalcogenide glasses. 3,820,968, 6-28-74, Cl. 65-33.000.

Hait, Paul W.: *See*—
Skinner, James R.; Uitz, Mark O.; and Hait, Paul W., 3,817,610.

Haith, Marshall M.; and Lentz, Robert A. Electronic system for viewer response to television program stimuli. 3,789,136, 1-29-74, Cl. 178-5.80r.

Haitmanek, Louis F., to Thomas & Betts Corporation. Electrical connector. 3,812,448, 5-21-74, Cl. 339-97.00c.

Haitz, Roland H., to Texas Instruments, Incorporated. Method of making metal semiconductor diodes having plated heat sink members. 3,820,236, 6-28-74, Cl. 29-583.000.

Haitz, Roland H.; Sedlewicz, Paul G.; Stirrup, Keith A.; Hilbiber, David F.; and Teichner, Robert W., to Hewlett-Packard Company. Photon isolator with improved photodetector transistor stage. 3,836,793, 9-17-74, Cl. 307-303.000.

Hajdu, Johann; Knauft, Guenter; Skuin, Petar; and Vogt, Edwin, to International Business Machines Corporation. Data processing system including a small auxiliary processor for overcoming the effects of faulty hardware. 3,786,430, 1-15-74, Cl. 340-172.500.

Hajduk, George: *See*—
Conneally, Martin L.; and Hajduk, George, 3,837,119.

Hajduk, Thaddeus J.: *See*—
Baur, Leslie L.; and Hajduk, Thaddeus J., 3,856,129.
Cook, Charles A.; and Hajduk, Thaddeus J., 3,832,211.

Hajek, Manfred: *See*—
Wagner, Kuno; and Hajek, Manfred, 3,835,191.

Hajnal, Steven. Waterless cooking pot. 3,809,063, 5-7-74, Cl. 126-373.000.

Hajny, Charles Emil, to Johnson Service Company. Fuel burner time control. 3,803,923, 4-16-74, Cl. 74-3.500.

Hajos, Zoltan George; and Oliveto, Eugene Paul, to Hoffmann-La Roche Inc. Synthesis of tricyclic carbocyclic compounds and intermediates therefor. 3,825,569, 7-23-74, Cl. 260-340.900.

Hajos, Zoltan George, to Hoffmann-La Roche Inc. Stereospecific total steroidal synthesis via substituted C/D-Trans indanones. 3,852,331, 12-3-74, Cl. 260-468.00g.

Hakanson, Christer Lennart, to Aktiebolaget Bofors. Process for the preparation of granular polyurethanes and product obtained thereby. 3,850,880, 11-26-74, Cl. 260-75.0ne.

Hakanson, Nils L.: *See*—
Touchette, Albert Francis; and Hakanson, Nils L., 3,836,252.

Hakansson, Nils Magnus; and Martensson, Malte Harald, to Sveriges Forenade Tryckerier Forsaljningsaktiebolag. Lottery apparatus. 3,838,761, 10-1-74, Cl. 194-2.000.

Hakansson, Sven Anders Samuel: *See*—
Bengtsson, John Ingemar; Hakansson, Sven Anders Samuel; Lundholm, Sven Gunnar K:Son; and Lonnberg, Lars, 3,848,877.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Idling speed control for Stirling cycle engine. 3,782,106, 1-1-74, Cl. 60-24.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Multiple cylinder Stirling engine with equalized high pressure in cell cylinders. 3,807,176, 4-30-74, Cl. 60-525.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Reciprocating rod sealing means for hot gas engines. 3,810,634, 5-14-74, Cl. 277-3.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Stirling cycle engine power control means. 3,811,272, 5-21-74, Cl. 60-518.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Valve control means for changing working space volume in stirling cycle engine. 3,817,035, 6-18-74, Cl. 60-521.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Arcuate shaped heat transfer pipes. 3,817,036, 6-18-74, Cl. 60-526.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Stirling cycle engine power-control system. 3,820,330, 6-28-74, Cl. 60-521.000.

Hakansson, Sven Anders Samuel, to Kommanditbolaget United Stirling (Sweden) AB & Co. Heat exchangers for stirling cycle engines. 3,834,455, 9-10-74, Cl. 165-87.000.

Hakata, Masayuki, to Casio Computer Co., Ltd. Apparatus for converting data into the same units. 3,855,459, 12-17-74, Cl. 235-154.000.

Hake, George H. Apparatus for producing a compound motion. 3,838,964, 10-1-74, Cl. 425-429.000.

Haken, Pieter Ten: *See*—
Hunter, Susan E.; Boyce, Clive B. C.; Armitage, Brian P.; Haken, Pieter Ten; and Wagner, Willem M., 3,856,976.

Haker, LeRoy C. Automotive wheel lock means. 3,821,975, 7-2-74, Cl. 145-50.00a.

Hakes, Paul E.: *See*—
Trabbic, Gerald W.; Dunn, Wayne C.; and Hakes, Paul E., 3,831,497.

Hakka, Lennart, to Oy Airam Ab. Method for manufacturing anti-skid means intended for vehicle tires. 3,811,877, 5-21-74, Cl. 75-208.00r.

Hakka, Leo Ernest, to Union Carbide Canada Limited. Sulphur removal from natural gas. 3,826,811, 7-30-74, Cl. 423-229.000.

Hakkeling, Berend: *See*—
Mulder, Herman; Van Pol, Jan Huibert Leonard Philomena; and Hakkeling, Berend, 3,827,224.

Hakki, Basil Wahid, to Bell Telephone Laboratories, Incorporated. Fundamental mode, high power operation in double heterostructure junction lasers utilizing a remote monolethic mirror. 3,824,493, 7-16-74, Cl. 331-94.50h.

Hakki, Basil Wahid; and Hwang, Cherng-Jia, to Bell Telephone Laboratories, Incorporated. Gain asymmetry in heterostructure junction lasers operating in a fundamental transverse mode. 3,838,359, 9-24-74, Cl. 331-94.50h.

Hakki, Basil Wahid, to Bell Telephone Laboratories, Incorporated. Multilayer antireflection coatings for solid state lasers. 3,849,738, 11-19-74, Cl. 331-94.50h.

Hakma Advanced Machine Company: *See*—
Gleason, James M.; and Pitts, Robert A., 3,798,904.

Hakner, Robert. Progressive stamping device having work stations in a curvilinear path. 3,831,426, 8-27-74, Cl. 72-405.000.

Hakodate Geimo Sengu Kabushiki Kaisha: *See*—

Morita, Katsuo; Hashimoto, Sadao; and Miyamoto, Horoshi, 3,822,662.

Hakulin, Bertel: *See—*
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Hala, Alfred A. Method of fabricating a combination water and insulated wall assembly. 3,812,635, 5-28-74, Cl. 52-741.000.

Halaby, Sami A.; Kenny, Neal S.; and Murphy, James A., to Corning Glass Works. Method of making a magnetic recording and storage device. 3,795,542, 3-5-74, Cl. 117-237.000.

Halas, Francis R.; and Rossitto, Conrad, to USM Corporation. Lactam copolyamides for adhesive use. 3,850,887, 11-26-74, Cl. 260-78.00l.

Halasa, Adel F.; and Oberster, Arthur E., to Firestone Tire & Rubber Company, The. Continuous process of copolymerizing butadiene and styrene. 3,787,377, 1-22-74, Cl. 260-83.700.

Halasa, Adel F., to Firestone Tire & Rubber Company, The. Process of copolymerizing isoprene and propylene. 3,803,107, 4-9-74, Cl. 260-85.30r.

Halasa, Adel F., to Firestone Tire & Rubber Company, The. Process for grafting polystyrene branches onto polymeric butadiene or isoprene in the presence of an alkyl lithium or sodium and a sec.-alkyl chloride. 3,806,557, 4-23-74, Cl. 260-880.00r.

Halasa, Adel F., to Firestone Tire & Rubber Company, The. Process for the grafting of styrene onto polymeric butadiene or isoprene prereacted with an alkyl lithium or sodium and a sec-alkyl. 3,819,764, 6-25-74, Cl. 260-877.000.

Halasa, Adel F.; and Snyder, Dennis L., to Firestone Tire & Rubber Company, The. Purification of phosphazene monomer. 3,829,554, 8-13-74, Cl. 423-300.000.

Halasa, Adel F.; and Cheng, Tai Chun, to Firestone Tire & Rubber Company, The. Sodium or potassium hydrocarbon compound and a crown ether as a catalyst composition for polymerization of conjugated dienes. 3,856,768, 12-24-74, Cl. 260-94.20m.

Halasa, Adel Farhan: *See—*
Bethea, Tristram Walker; and Halasa, Adel Farhan, 3,845,028.
Kyker, Gary Stephen; Beckman, Joseph Alfred; Halasa, Adel Farhan; and Hall, James Edward, 3,843,596.

Halasz, Alexander, to Clairol Incorporated. Process for N-monomethylating certain acyl or carbalkoxy nitro-P-phenylenediamines. 3,794,676, 2-26-74, Cl. 260-471.00c.

Halasz, Andrew; Childs, John D.; and Fraser, George H., to Unican Security Systems, Ltd. Solid electrolyte coulometer. 3,855,506, 12-17-74, Cl. 317-230.000.

Halasz, Istvan; Otto, Hans; Gutlich, Karl Friedrich; and Walkling, Peter. Fluid analytical instrument. 3,820,660, 6-28-74, Cl. 210-198.00c.

Halasz, Istvan; and Sebestian, Imrich. Process for preparing silica particles. 3,857,924, 12-31-74, Cl. 423-338.000.

Halasz, Maria: *See—*
Vargha, Laszlo; Horvath, Tibo; Halasz, Maria; Csanyi, Endre; and Dumdovich, Boris, 3,821,270.

Halasz, Stephen J.; and Winston, Charles D., to Aerojet-General Corporation. Parallel multiple channel display system. 3,836,795, 9-17-74, Cl. 315-13.00c.

Halatron Corporation: *See—*
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Halaunbrenner, Lazare Nathan. Spat collector. 3,824,957, 7-23-74, Cl. 119-4.000.

Halbach & Braun: *See—*
Braun, Gert; and Braun, Ernst, 3,784,258.
Braun, Gert; and Braun, Ernst, 3,788,458.
Braun, Gert; and Braun, Ernst, 3,822,011.

Halbach, Edward A.; and Gallatin, Paul M., to Allis-Chalmers Corporation. Dust shield for plunger operated electrical switch. 3,821,531, 6-28-74, Cl. 200-302.000.

Halberschmidt, Friedrich, and Audi, Josef, to Saint-Gobain. Apparatus and method for cutting glass. 3,785,229, 1-15-74, Cl. 83-6.000.

Halberschmidt, Friedrich; Linberg, Karl-Heinz; Roentgen, Paul; and Steffens, Hans, to Saint-Gobain Industries. Autoclave for glass laminates. 3,817,811, 6-18-74, Cl. 156-382.000.

Halberstadt, Ernst. Process for producing pewter effects. 3,846,157, 11-5-74, Cl. 117-64.00r.

Halbert, Silas Ray. Picking and transporting apparatus and method. 3,790,162, 2-5-74, Cl. 271-118.000.

Halbich, Frank; and Needleman, Stuart W. Plastic case for glasses. 3,825,110, 7-23-74, Cl. 206-6.000.

Halbleib, Joseph F., 35% Interest to Sowell, John B. Pulse utilization indication circuit. 3,838,337, 9-24-74, Cl. 324-71.00r.

Halboth, Robert V. Snowmobile powered watercraft. 3,853,085, 12-10-74, Cl. 115-1.00r.

Halbrook, Noah J.: *See—*
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Halcomb, Jack N.; d/b/a Audio Intelligence Devices: *See—*
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Halcon International, Inc.: *See—*
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Fernandez, Remigio, 3,787,485.
Golden, Richard L., 3,809,724.
Hoch, Robert Ridgewood; and Porcelli, Richard Victor, 3,804,887.
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Marcell, Richard L.; and Chang, Tsuan Y., 3,796,761.
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Winnick, Charles N.; and Posner, Judd, 3,796,745.
Winnick, Charles N.; and Posner, Judd C., 3,803,212.
Winnick, Charles N.; and Posner, Judd, 3,855,275.

Haldeman, Charles W., to Megatech Corporation. Electromechanical dynamometer system. 3,789,659, 2-5-74, Cl. 73-134.000.

Haldeman, Charles W., to Massachusetts Institute of Technology. Process for coating refractory metals with oxidation-resistant metals. 3,827,953, 8-6-74, Cl. 204-37.00r.

Halder, Niklaus: *See—*
Frick, Heinrich; Halder, Niklaus; and Vogler, Willy, 3,789,086.

Haldopoulos, Ioakim, to Glasrock Products, Inc. Pressure differential filtering apparatus. 3,832,141, 8-27-74, Cl. 23-259.000.

Haldor Frederik Axel Topsoe: *See—*
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Haldor Topsoe A/S: *See—*
Newson, Esmond John, 3,844,936.
Wrisberg, Johannes; Holte, Gammel; Andersen, Kjeld Jorn; and Mogensen, Erik, 3,839,485.

Hale, Creighton J., to Little League Baseball Inc. Impact-absorbing boundary structure for sports arenas. 3,849,935, 11-26-74, Cl. 49-34.000.

Hale, Elden A., to Koppers Company, Inc. Self-adjusting sealing apparatus. 3,789,879, 2-5-74, Cl. 137-614.110.

Hale, Elgie J., to Kratos. Electronic device for determining the height, width, length and volume of a container. 3,819,918, 6-25-74, Cl. 235-151.300.

Hale, Frank Kenneth, to O'Dell Manufacturing, Inc. Aquarium and cover. 3,805,740, 4-23-74, Cl. 119-5.000.

Hale, Gloria M. Educational device. 3,827,164, 8-6-74, Cl. 35-37.000.

Hale, Hubbert Jackson, to Du Pont de Nemours, E. I., and Company. Rechargeable zinc electrochemical energy conversion device. 3,822,149, 7-2-74, Cl. 136-86.00a.

Hale, James C., to Victor Complometer Corporation. Compressed gas gun with trigger operated hammer release latching structures. 3,788,298, 1-29-74, Cl. 124-11.00r.

Hale, Jesse R. Sandwich core panel with structural decoupling between the outer face sheets thereof. 3,834,487, 9-10-74, Cl. 181-33.00g.

Hale, John K., to Sperry Rand Corporation. Cooperating windrowing structure for a rotary type raking device. 3,832,838, 9-3-74, Cl. 56-377.000.

Hale, John Richard; and Merritt, George Irvin, to RCA Corporation. Method of fabricating a dark heater. 3,808,043, 4-30-74, Cl. 117-217.000.

Hale, John Richard, to RCA Corporation. Fabrication of dark heaters. 3,852,105, 12-3-74, Cl. 117-217.000.

Hale, Lloyd R.; and Baxendale, John W., to Vendo Company, The. Control means including disabled selection lock-out for vending machine. 3,844,394, 10-29-74, Cl. 194-10.000.

Hale, Martin M.; and Laurie, Kenneth A. Tea laser 3,848,203, 11-12-74, Cl. 331-94.500.

Hale, Max, to Simpla Plastics Limited. Urinary drainage devices. 3,823,716, 7-16-74, Cl. 128-275.000.

Hale, Neville E., to Fathom Oceanology Limited. Apparatus for launching, towing and recovering a submersible body from a vessel. 3,782,319, 1-1-74, Cl. 114-235.00b.

Hale, Richard A., to International Harvester Company. IPTO speed limiting control valve. 3,800,926, 4-2-74, Cl. 192-.084.

Hale, Rodney B.: *See—*
Munro, Robert G.; and Hale, Rodney B., 3,800,423.

Hale, Rodney Barker: *See—*
Fagan, Donald Frederick; and Hale, Rodney Barker, 3,828,125.

Hale, Thomas E., to General Electric Company. Coated cemented carbide products. 3,854,991, 12-17-74, Cl. 117-169.00r.

Hale, Thomas Eugene, to General Electric Company. Abrasion resistant cemented tungsten carbide bonded with Fe-C-Ni-Co. 3,816,081, 6-11-74, Cl. 29-182.700.

Hale, William B. Adjustable trailer hitch. 3,843,163, 10-22-74, Cl. 280-490.00r.

Halek, George W.: *See—*
Gall, John S.; and Halek, George W., 3,814,786.

Haley, Alan W. Passive reradiator of radio-frequency electromagnetic energy. 3,815,138, 6-4-74, Cl. 343-754.000.

Haley, Ernest K. Adjustable horizontal hole drilling apparatus. 3,794,435, 2-26-74, Cl. 408-59.000.

Haley, Finley Paul. Portable knock-down hoist apparatus. 3,831,773, 8-27-74, Cl. 212-139.000.

Haley, Floyd C., to California Institute of Technology. Gas analysis systems and palladium tube separator therefor. 3,791,106, 2-12-74, Cl. 55-158.000.

Haley, James C., to Arizona Glass and Mirror Co., Inc. Panel door assembly. 3,854,165, 12-17-74, Cl. 16-96.00r.

Haley, John S.: *See—*
Cooper, Jerry W.; and Haley, John S., 3,826,288.

Haley, John S.; Cooper, Jerry W.; and Logan, Arthur D., to Dayco Corporation. Polyvinyl alcohol fiber reinforced polyurethane compositions and products therefrom. 3,790,437, 2-5-74, Cl. 161-170.000.

Haley, John S.; Cooper, Jerry W.; and Logan, Arthur D., to Dayco Corporation. Polyurethanes reinforced by polyvinyl alcohol cord. 3,830,685, 8-20-74, Cl. 161-88.000.

Haley, Kenneth M.; Koschak, Dennis F.; Molinaro, Lawrence J.; and Reed, Richard L., to Reserve Mining Company. Adjustable, sealed roll screen for classifying and conveying material-in-process such as taconite pellets. 3,848,741, 11-19-74, Cl. 209-106.000.

Haley, Paul H.: *See—*
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Carlson, Norman R.; Haley, Paul H.; and Enns, Mark K., 3,833,927.
Enns, Mark K.; and Haley, Paul H., 3,808,409.

Haley, Paul H.; and Enns, Mark K., to Westinghouse Electric Corporation. Hybrid power system modules. 3,825,732, 7-23-74, Cl. 235-151.210.

Haley, Paul H.; and Enns, Mark K., to Westinghouse Electric Corporation. D.C. analog calculator for rapidly generating electric power system loadflow solutions. 3,829,669, 8-13-74, Cl. 235-151.210.

Halfaker, Thomas C.; and Stahlhut, Leo G., to Emerson Electric Co. Ceiling modules with lamp housings. 3,831,019, 8-20-74, Cl. 240-9.00r.

Halfar, Kurt; Hitchman, Michael L.; and Mehl, Wolfgang, to Wright, H. Dudley. Production of hydrogen peroxide. 3,856,640, 12-24-74, Cl. 204-84.000.

Halfhill, Martin O., to Information Storage Systems, Inc. Smooth wave electrical generator. 3,826,927, 7-30-74, Cl. 307-263.000.

Halfon, Uri; and Niv, Meir. Photo-optical keyboard. 3,856,127, 12-24-74, Cl. 197-98.000.

Halford, David W.: *See—*
Berrill, William H.; Halford, David W.; and Bowler, Arthur A., 3,849,817.

Halgas, Frank A.: *See—*
Kerfoot, Charles S.; and Halgas, Frank A., 3,849,701.

Halik, Joseph J.: *See—*
Finucane, Thomas P.; and Halik, Joseph J., 3,829,588.

Halila, Ely E.; and Sterman, Albert P., to General Electric Company. Porous abradable turbine shroud. 3,825,364, 7-23-74, Cl. 415-116.000.

Halio, Leonard F.; and Lavoie, Herve E., to Digital Equipment Corporation. Display device with means for drawing vectors. 3,800,183, 3-26-74, Cl. 315-18.000.

Halkey-Roberts Corporation: *See—*
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Halkias, Nicholas, to Mobil Oil Corporation. Biodegradable lubricants. 3,791,975, 2-12-74, Cl. 252-49.500.

Halko, Andrew R.; and Hughes, Allan B., to Halko Manufacturing Company, Inc. Composite casting apparatus. 3,845,531, 11-5-74, Cl. 29-33.00c.

Halko Manufacturing Company, Inc.: *See—*
Halko, Andrew R.; and Hughes, Allan B., 3,845,531.

Hall, Albert E., to Neptune Meters Limited. Drive gearing for generator of electrical signal pulses. 3,801,841, 4-2-74, Cl. 310-37.000.

Hall, Albert M.: *See—*
Masson, James C.; and Hall, Albert M., 3,784,512.

Hall, Arnold M., to Hovermarine Corporation. Air cushion vehicle. 3,854,547, 12-17-74, Cl. 180-117.000.

Hall, Bruce Wood; and Shade, Michael J., to Hempstead Bank. System of transferral of funds. 3,852,571, 12-3-74, Cl. 235-61.70b.

Hall, C. P., Company, The: *See—*
Kuceski, Vincent P., 3,810,937.

Hall, Charles M.: *See—*
Johnson, Herbert G.; Wright, John B.; Hall, Charles M.; and Warner, Donald T., 3,836,541.

Hall, Charles M.; and Johnson, Herbert G., to Upjohn Company, The. 4,7 Dioxo 12H-cyclopenta (2, 1-8: 3, 4 g') diquinoline 2, 9 dicarboxylic acid derivatives. 3,821,227, 6-28-74, Cl. 260-286.00r.

Hall, Charles M. 1,4,7,10-Tetrahydro-1,7-dioxoquino (8, 7-h) quinoline-3,9-dicarboxylate compounds. 3,838,132, 9-24-74, Cl. 260-286.00r.

Hall, Charles M.; and Johnson, Herbert G., to Upjohn Company, The. 1,4,5,8,9,12-Hexahydro-4,8,12-trioxopyrido (2,3-f) (1,7) phenanthroline-2,6,10-tricarboxilate compounds. 3,838,133, 9-24-74, Cl. 260-286.00r.

Hall, Charles M.; and Wechter, William J., to Upjohn Company, The. Dihydroindane carboxylic acid cyclohexadiene acetic acids, esters and salts. 3,852,286, 12-3-74, Cl. 260-247.20r.

Hall, Chester G.: *See—*
Le Tourneau, Richard L.; and Hall, Chester G., 3,851,482.

Hall, Crayton G., to Ethyl Corporation. Preparation of dialkyl beryllium and recovery by distillation. 3,812,213, 5-21-74, Cl. 260-665.00r.

Hall, Dallas P.: *See—*
Hagedorn, Erwin C.; and Hall, Dallas P., 3,810,745.

Hall, Dallas P.; and Yoldas, Bulent E., to Owens-Illinois, Inc. Glass melting. 3,826,635, 7-30-74, Cl. 65-134.000.

Hall, Daniel Noyes: *See—*
Griesbaum, Karl; Oswald, Alexis A.; and Hall, Daniel Noyes, 3,816,623.

Hall, Dick S.: *See—*
Cooper, Earl D.; and Hall, Dick S., 3,821,185.

Hall, Donald D.; Confer, Leonard J.; and Lewis, James A., to Dayco Corporation. Trapezium power transmission belt. 3,857,295, 12-31-74, Cl. 74-234.000.

Hall, Donivan L.; and Kupper, Walter E., to Reliance Electric Company. Weighing scale with restrictive vertical movement. 3,847,238, 11-12-74, Cl. 177-255.000.

Hall, Earl B. Inclinometer. 3,808,697, 5-7-74, Cl. 33-312.000.

Hall, Edward L.; and Philofsky, Elliott M., to Motorola, Inc. Electromigration resistant semiconductor contacts and the method of producing same. 3,848,330, 11-19-74, Cl. 29-590.000.

Hall, Edwin A., Jr., 40% interest to Hermanns, William H. and 20% interest to Hermanns, Mildred E. Mobile ring toy with relatively moveable seat elements positioned therein. 3,826,488, 7-30-74, Cl. 272-57.00t.

Hall, Everett J. Venturi windshield wiper blade. 3,825,966, 7-30-74, Cl. 15-250.040.

Hall, Floyd V., to Liggett & Myers Incorporated. Automatic Cigarette feed machine. 3,799,324, 3-26-74, Cl. 198-45.000.

Hall, Floyd Van, to Liggett & Myers Incorporated. Apparatus for obtaining rounded filter plugs for cigarettes. 3,799,041, 3-26-74, Cl. 93-1.00c.

Hall, Frank Kenneth, to O'Dell Manufacturing Inc. Method of assembling an aquarium. 3,807,357, 4-30-74, Cl. 119-5.000.

Hall, Gaddis G. Conductor clamp. 3,836,102, 9-17-74, Cl. 248-74.00r.

Hall, Gary M., to Westinghouse Electric Corporation. Static plate for power transformers. 3,842,186, 10-15-74, Cl. 174-35.0ce.

Hall, Geoffrey: *See—*
McKenna, David; Hopkins, Joseph; and Hall, Geoffrey, 3,839,633.

Hall, George A., to General Telephone Company of California. Portable voltage sampling probe device. 3,806,803, 4-23-74, Cl. 324-133.000.

Hall, George B., Jr.; and Stevens, Joseph E., to Global Marine Inc. Chain stopper. 3,820,494, 6-28-74, Cl. 114-200.000.

Hall, George E.; and Carr, Jack, to Roseman Mower Corporation. Seven gang hydraulic reel mower. 3,832,835, 9-3-74, Cl. 56-7.000.

Hall, George H.: *See—*
Flood, Harold W.; Hall, George H.; and Meissner, Herman P., 3,793,155.

Hall, Gilbert D.; and Purpura, Paul. Connecting structure for timbers. 3,800,494, 4-2-74, Cl. 52-753.00t.

Hall, Glen Henry. Article handling system. 3,788,694, 1-29-74, Cl. 294-67.0bc.

Hall, Harold, to Brown Oil Tools, Inc. Well reentry system. 3,827,486, 8-6-74, Cl. 166-.500.

Hall, Harry H. Bench tool for sheet metal bending. 3,848,454, 11-19-74, Cl. 72-457.000.

Hall, Howard T., to Megadiamond Corporation. Diamond-non-diamond carbon polycrystalline composites. 3,816,085, 6-11-74, Cl. 51-307.000.

Hall, Howard T., to Megadiamond Corporation. Method of making a unitary polycrystalline diamond composite and diamond composite produced thereby 3,829,544, 8-13-74, Cl. 264-125.000.

Hall, Hugh E., Jr.: *See—*
Richter, Albert P., Jr.; Bruner, James D.; Mazzagarri, Roy P.; and Hall, Hugh E., Jr., 3,815,691.

Hall, James A., to General Electric Company. Microwave power amplifier. 3,784,926, 1-8-74, Cl. 330-53.000

Hall, James Edward: *See—*
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Kyker, Gary Stephen; Beckman, Joseph Alfred; Halasa, Adel Farhan; and Hall, James Edward, 3,843,596.

Hall, James M.: *See—*
Bancroft, James R.; Cleavinger, Richard L.; and Hall, James M., 3,784,829.

Hall, James Michael; and Clipp, Louis L., to Exotech, Incorporated. Apparatus for forming high pressure pulsed jets of liquid. 3,841,559, 10-15-74, Cl. 239-101.000.

Hall, James R.: *See—*
Cole, Judson C.; and Hall, James R., 3,845,450.

Hall, John, to Dowty Boulton Paul Limited. Multiple hydraulic actuator. 3,789,736, 2-5-74, Cl. 91-3.000.

Hall, John B.: *See—*
Wight, Christian F.; and Hall, John B., 3,839,233.

Hall, John B.; and Vock, Manfred, to International Flavors & Fragrances, Inc. Process for producing 3-phenyl pentenals. 3,793,376, 2-19-74, Cl. 260-599.000.

Hall, John B., to International Flavors & Fragrances Inc. Perfume composition containing hydrogenated indane derivative. 3,806,472, 4-23-74, Cl. 252-522.000.
Hall, John B., to International Flavors & Fragrances, Inc. Perfume compositions containing a alkyl cyclododeca-detone. 3,816,349, 6-11-74, Cl. 252-522.000.
Hall, John B., to International Flavors & Fragrances, Inc. Perfume composition containing indanone derivatives. 3,816,350, 6-11-74, Cl. 252-522.000.
Hall, John B.; and Vock, Manfred, to International Flavors & Fragrances, Inc. Novel di-lower alkyl and lower alkylene acetals of 2-and 3-phenyl-pentenals. 3,829,504, 8-13-74, Cl. 260-611.000.
Hall, John B., to International Flavors & Fragrances Inc. 7,7a-Epoxy-5,6,7,7a-tetrahydro-1,1,2,3,3-pentamethyl-4(3aH)-indanone. 3,839,368, 10-1-74, Cl. 260-348.00e.
Hall, John B., to International Flavors & Fragrances Inc. Perfume compositions containing substituted cyclohexane compounds. 3,847,975, 11-12-74, Cl. 252-522.000.
Hall, John B.; and Lala, Lekhu Kewalram, to International Flavors & Fragrances Inc. Allylic oxidation of bicyclic hydrocarbons to alcohols and ketones. 3,847,993, 11-12-74, Cl. 260-586.00p.
Hall, John B.; and Sanders, James Milton, to International Flavors & Fragrances, Inc. Processes for reacting di-substituted dienophiles with cyclopentadiene. 3,852,358, 12-3-74, Cl. 260-586.00g.
Hall, John C.: *See*—
Schultz, Elmer L.; Tribuno, Robert F.; Hall, John C.; and Schuldt, Theodore J., Jr., 3,837,603.
Hall, John C.; and Tribuno, Robert F., to Collins Radio Company. Synthesis of fail operational heading information (course datum) from nonfail operational input signals. 3,816,718, 6-11-74, Cl. 235-150.260.
Hall, John Lewis: *See*—
Wickham, David John; and Hall, John Lewis, 3,799,498.
Hall, John N., to Hercules Incorporated. Process for spreading a graphite fiber tow into a ribbon of graphite filaments. 3,798,095, 3-19-74, Cl. 156-73.000.
Hall, John N., to Hercules Incorporated. Apparatus for forming blow molded container of oriented thermoplastic polymers. 3,834,852, 9-10-74, Cl. 425-326.00b.
Hall, John S.: *See*—
Butts, Ernest O.; and Hall, John S., 3,818,083.
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Butts, Ernest O.; and Hall, John S., 3,845,594.
Hall, Johnnie W., to Helped Corporation. Hickory smoked french barbecue bakery products. 3,845,221, 10-29-74, Cl. 426-62.000.
Hall, Joseph F., Jr., to United States of America, Navy. Multiple channel optical system. 3,836,232, 9-17-74, Cl. 350-174.000.
Hall, Kimball P., to Hall Marine Corporation. Marine jet propulsion apparatus. 3,849,982, 11-26-74, Cl. 60-221.000.
Hall, Leland S.; and Heffan, Howard, to United States of America, Navy. Radiation absorber and intensity collimator unit. 3,832,564, 8-27-74, Cl. 250-510.000.
Hall, Leslie Carl, Jr., to AMP Incorporated. Extraction tool. 3,844,013, 10-29-74, Cl. 29-203.00h.
Hall, Lowell R., to Caterpillar Tractor, Company. In-take filter and mounting arrangement therefor. 3,853,761, 12-10-74, Cl. 210-130.000.
Hall, Marchand B.; and Krack, Carl E., to United States Steel Corporation. Apparatus for forming a seal-less type joint in overlapped flat strapping. 3,794,086, 2-26-74, Cl. 140-93.200.
Hall, Marcus A.: *See*—
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Hall, Merwin Guy. Two bar exerciser. 3,809,394, 5-7-74, Cl. 272-80.000.
Hall, Michael T.: *See*—
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Hall, Mitchell Adam, to Monarch Tool & Manufacturing Company. Vending machine with variable capacity coin traps. 3,822,775, 7-9-74, Cl. 194-63.000.
Hall, Norman T., to Liquid Nitrogen Processing Corporation. Glass-filled thermoplastic pellets suitable for blending with thermoplastic. 3,834,980, 9-10-74, Cl. 161-176.000.
Hall, Peter Joseph, to Microfilm Recording Company Limited. Tape cartridge. 3,834,650, 9-10-74, Cl. 242-192.000.
Hall, Phil H.: *See*—
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Hall, Phil H., to International Business Machines Corporation. Verifying status while initializing readback cannels in a multichannel magnetic record readback system. 3,812,531, 5-21-74, Cl. 360-26.000.
Hall, Ralph J. Soot cleaning method. 3,785,351, 1-15-74, Cl. 122-379.000.
Hall, Raymond L. Method and apparatus for ready installation and re-installation of a flexible liner for swimming pools. 3,815,162, 6-11-74, Cl. 4-172.210.
Hall, Richard C.; Kidd, Norman D.; and Daravingas, George V., to SCM Corporation. Process for reducing pickle bloating with dehydroacetic acid. 3,849,579, 11-19-74, Cl. 426-49.000.
Hall, Richard H.: *See*—
Kenaga, Duane L.; and Hall, Richard H., 3,787,344.
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Curtiss, Lawrence F.; and Hall, Richard W., 3,828,790.
Hall, Richard W., to American Cystoscope Makers Inc. Orthogonally deflectable endoscope. 3,788,303, 1-29-74, Cl. 128-4.000.
Hall, Richmond E. Golf practice device. 3,837,654, 9-24-74, Cl. 273-185.00d.
Hall, Robert J.: *See*—
Brown, Robert T.; Bullis, Robert H.; Churchill, Thomas L.; Hall, Robert J.; Lary, Edmund C.; Nighan, William L., III; and Schulman, Elliot R., 3,811,057.
Hall, Robert N., to General Electric Company. Method of improving electrical characteristics of high purity germanium or silicon. 3,795,547, 3-5-74, Cl. 148-1.600.
Hall, Robert N., to General Electric Company. Gamma ray detector with channel limiting means. 3,825,759, 7-23-74, Cl. 250-370.000.
Hall, Robert N., to General Electric Company. Method of forming lithium-doped germanium bodies by electrodeposition in a fused lithium electrolyte. 3,826,721, 7-30-74, Cl. 204-39.000.
Hall, Robert P., to Arvin Industries, Inc. Magnetic disc recorder and cassette with compliant recording disc having flexible support means. 3,833,926, 9-3-74, Cl. 360-135.000.
Hall, Robert P., Sr., to Arvin Industries, Inc. Magnetic tape recording deck, drive system, and cassette. 3,807,654, 4-30-74, Cl. 242-199.000.
Hall, Roger D.; and Johnson, Robert P., to Bendix Corporation, The. Frequency extension of circularly polarized antenna. 3,820,117, 6-25-74, Cl. 343-802.000.
Hall, Roger D., to Bendix Corporation, The. Antenna and interface structure for use with radomes. 3,820,118, 6-25-74, Cl. 343-872.000.
Hall, Roger Smith, to Baker Perkins Jaxons, Limited. Sheet straightening and tensioning apparatus. 3,791,057, 2-12-74, Cl. 38-143.000.
Hall, Russell J. Pressure type dish washer. 3,825,019, 7-23-74, Cl. 134-117.000.
Hall, Samuel, Jr., to Plastic Container Corporation. Safety medicine bottle closure. 3,811,590, 5-21-74, Cl. 215-9.000.
Hall, Stanley D.: *See*—
Waldrop, Thomas E.; and Hall, Stanley D., 3,851,437.
Hall, Stanley Rylon, to Bunker Ramo Corporation. High accuracy direction finding system. 3,824,595, 7-16-74, Cl. 343-113.00r.
Hall, Sture: *See*—
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Hall, Thomas D. Orthopedic heel. 3,804,099, 4-16-74, Cl. 128-583.000.
Hall, Thomas R., to Altec Manufacturing Company, Inc. Aerial lift mechanism. 3,817,007, 6-18-74, Cl. 52-115.000.
Hall, Trenton O. Air scrubber apparatus. 3,796,549, 3-12-74, Cl. 23-277.00c.
Hall, Trenton O. Air scrubber apparatus with incinerator. 3,796,550, 3-12-74, Cl. 23-277.00c.
Hall, Walter Dennis, to Automotive Industrial Marketing Corporation. Controlled power pneumatic impact wrench. 3,833,068, 9-3-74, Cl. 173-169.000.
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Webb, Jimmy L.; and Hall, Walter L., 3,821,317.
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Hall, Wayne C.; deceased (Hall, Wayne C., Jr.; and Allen, Scott D.; executor). Pipe cleaning apparatus. 3,824,738, 7-23-74, Cl. 51-9.000.
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Hall, Wilbur S.: *See*—
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Hall, Wilbur S.; and Steinbrecher, Lester, to Amchem Products, Inc. Rinsing coated metallic surface. 3,795,546, 3-5-74, Cl. 148-6.200.
Hall, Wilbur S.; and Leister, Harry M., to Amchem Products, Inc. Stabilization of acidic aqueous coating compositions containing an organic coating-forming material. 3,839,097, 10-1-74, Cl. 148-6.200.
Hall, William Arthur: *See*—
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Hall, William Bernard; and Koskulitz, Joseph Allen, to RCA Corporation. Heat dissipation for power integrated circuit devices. 3,836,825, 9-17-74, Cl. 317-100.000.
Hall, William C.: *See*—
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Hall, William Cornellius; and Peterson, John Merriam. Moldable lead composition. 3,827,982, 8-6-74, Cl. 252-62.000.
Hall, William G.; and Pittman, Paul F., to Westinghouse Electric Corporation. Surveillance system including means for detecting impending failure in high pressure, high temperature fluid conducting pipes. 3,845,657, 11-5-74, Cl. 73-88.50r.
Hall-Jackson, John Alan, to Rank Organisation Limited, The. Manufacture of optical apparatus. 3,849,219, 11-19-74, Cl. 156-73.000.
Hallada, Calvin J.: *See*—
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Halladay, Paul D.; and Dougherty, John W., to General Foods Corporation. Nutritious filling composition and product. 3,821,443, 6-28-74, Cl. 426-93.000.
Hallal, Alfred Jean. Connecting device for modular constructions. 3,836,218, 9-17-74, Cl. 312-111.000.
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Hallas, Robert; Martin, Jerry Roy; and Tadanier, John Soloman, to Abbott Laboratories. Sulfonyl derivatives of erythromycin. 3,836,519, 9-17-74, Cl. 260-210.00e.
Hallas, Robert; Tadanier, John Soloman; and Von Esch, Anne Mary, to Abbott Laboratories. 4"-O-Sulfonyl erythromycin-9-0-oxime derivatives. 3,855,203, 12-17-74, Cl. 260-210.00e.
Hallberg, Daniel P., to FMC Corporation. Hydrostatic bearing for radial piston pump. 3,789,741, 2-5-74, Cl. 91-488.000.
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Hallenbeck, Norman P.; and Willard, Stephen F., to Hallenbeck, N. P. Company, Inc. Hot stamping press machine. 3,799,031, 3-26-74, Cl. 91-189.000.
Hallenius, Nils Ragnar, to Innovia Logislekmaskiner AB. Collapsable storage container. 3,810,648, 5-14-74, Cl. 280-33.99r.
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Haller, Albert H.; Larkin, John J.; and Walters, Richard P., to Western Electric Corporation. Dispensing of viscous material. 3,782,595, 1-1-74, Cl. 222-1.000.
Haller, Albert H.; Larkin, John J.; and Walters, Richard P., to Western Electric Company, Incorporated. Dispensing of viscous material. 3,841,362, 10-15-74, Cl. 141-32.000.
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Haller, Henry E., Jr.; Huettner, Henry F.; and Martin, Elliott E., Jr., to National Valve and Manufacturing Company. Hydraulic shock and sway suppressor. 3,827,537, 8-6-74, Cl. 188-314.000.
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Haller, Herbert, to Gewerkschaft Eisenhutte Westfalia. Cutter devices for use in mineral mining. 3,844,619, 10-29-74, Cl. 299-92.000.
Haller, Ivan: *See*—
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Haller, Richard. Friction clutches. 3,797,620, 3-19-74, Cl. 192-56.00r.
Haller, Samuel L., to Dow Chemical Company, The. Plastic welding apparatus. 3,839,126, 10-1-74, Cl. 156-497.000.
Hallerback, Stig Lennart, to SKF Industrial Trading and Development Company, N.V. Stator for electric motors. 3,792,299, 2-12-74, Cl. 310-258.000.
Hallerback, Stig Lennart, to SKF Industrial Trading and Development Company B.V. Bearing unit. 3,809,445, 5-7-74, Cl. 308-184.000.
Hallerback, Stig Lennart, to SKF Industrial Trading and Development Company, N.V. Method of manufacturing an electric rotary machine. 3,827,141, 8-6-74, Cl. 29-596.000.
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Hallesy, Harold W.; and Revenig, Howard C., to Decoto Aircraft, Inc. Locking mechanisms and actuator assemblies of coaxial locked remotely at selected locations after motions of a nearly complete circumferential one piece chamfered locking ring. 3,813,065,5-28-74, Cl. 244-115.000.
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Halley, James L., to Tesco Chemicals, Inc. Waste treatment material. 3,785,971, 1-15-74, Cl. 210-64.000.
Halley, James W.; and Mills, Norman T., to Inland Steel Company. Coated casting nozzles. 3,806,357, 4-23-74, Cl. 117-94.000.
Hallgren, Richard C., to Iowa State University Research Foundation, Inc. External inductive neural stimulator system. 3,841,305, 10-15-74, Cl. 128-1.300.
Hallgren, Richard C., to Iowa State University Research Foundation, Inc. Implantable, non-contacting nerve stimulating transducer. 3,841,306, 10-15-74, Cl. 128-1.500.
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Halliburton, Ronald D., to Allied Leisure Industries, Inc. Manually controlled electric pinball game. 3,785,650, 1-15-74, Cl. 273-110.000.
Halliburton, Ronald D., to Allied Leisure Industries, Inc. Pinball game bumper electrically responsive to ball impact. 3,785,652, 1-15-74, Cl. 273-127.00r.
Halliburton, Ronald D., to Allied Leisure Industries, Inc. Pinball game bumper electrically responsive to ball impact. 3,785,653, 1-15-74, Cl. 273-127.00r.
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Hallinan, John N.; and Costner, William F. Method of making a cast polyester resin structure having a core of low grade material. 3,846,534, 11-5-74, Cl. 264-225.000.

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Valente, Peter Reginald, 3,782,736.

Hallman, Hermann; and Perkut, Branko, to MRT Magnet-Regeltechnik GmbH. Magnetically-operated locking mechanisms. 3,855,827, 12-24-74, Cl. 70-134.000.

Hallman, John Ray, Jr. Keynote selector apparatus for electronic organs. 3,800,060, 3-26-74, Cl. 84-1.240.

Hallmann, Hermann, to MRT Magnet-Regeltechnik GmbH. Security locks. 3,782,147, 1-1-74, Cl. 70-276.000.

Hallmann, Hermann. Magnetically-operated locking and control device. 3,797,288, 3-19-74, Cl. 70-276.000.

Hallmann, Matthias: *See—*
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Hallmark Cards, Inc.: *See—*
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Hallmark Cards, Incorporated: *See—*
Greenwood, Aaron O.; Magee, Ramon J.; and Otto, Stanley W., 3,783,779.
Jonathan, Isaac; and Madden, John W., 3,821,538.
Jonathan, Isaac, 3,838,266.

Hallmark Releasing Corporation: *See—*
Minasian, Stephen G., 3,785,480.

Hallock, Robert L., Jr. Apparatus for testing holding capacity of sheet material. 3,793,881, 2-26-74, Cl. 73-102.000.

Hallock, Robert L., Jr. Sheet metal nail and apparatus for testing. 3,812,817, 5-28-74, Cl. 116-114.00r.

Hallock, Robert L., Jr. Adapter for fluid operated driving tool. 3,854,536, 12-17-74, Cl. 173-15.000.

Hallock, Robert Warren, to Bell Telephone Laboratories, Incorporated. Reversible 2's complement to sign-magnitude converter. 3,786,490, 1-15-74, Cl. 340-347.0dd.

Hallon, Joseph R., Jr.: *See—*
Kurtz, Anthony D.; Gravel, Charles L.; and Hallon, Joseph R., Jr., 3,819,431.

Halloway, James H.; and Petersen, George E., to General Electric Company. Ultrasonic cleaning of resin. 3,849,196, 11-19-74, Cl. 134-1.000.

Hallowell, Fulton W.: *See—*
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Halls, Lawrence M.: *See—*
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Halls, Maurice Vernon: *See—*
Conibear, David Eustace; and Halls, Maurice Vernon, 3,831,286.

Halls, Peter Seaton: *See—*
Clarke, Eric Fifield Stuart; Cosier, James Edwin Henry; Kolanowski, Jan; Halls, Peter Seaton; and Laidlaw, Alexander Duncan Lindley, 3,802,258.

Hallsenius, Carlgustaf: *See—*
Pulk, Elgas; and Noren, John Paul, 3,833,175.

Hallwood, Harry, to Midwesco-Enterprise, Inc. Cryogenic insulation. 3,812,886, 5-28-74, Cl. 138-149.000.

Hallworth, Robert, to Lockheed Aircraft Corporation. Actuating means for a vane. 3,827,658, 8-6-74, Cl. 244-42.0db.

Halm Instrument Co., Inc.: *See—*
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Halma, Pieter: *See—*
Bello, Wolfert; van der Muelen, Wijbren; and Halma, Pieter, 3,825,386.

Halomet AG: *See—*
Holland, Gerhard W.; and Nowak, Rudolf, 3,847,596.

Halperin, Edward B., to Perin Products Corporation. Calendar display construction with indexing calendar bearing member. 3,785,074, 1-15-74, Cl. 40-113.000.

Halpern, Alfred: *See—*
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Halpern, Melvin A.: *See—*
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Halpern, Samuel E.: *See—*
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Halpern, Walter J. Remote indicating adjustable angle instrument. 3,797,315, 3-19-74, Cl. 73-363.900.

Halpert, Sidney: *See—*
Finelli, Thomas M.; Halpert, Sidney; and Newland, Julian H., 3,840,425.

Halpin, Robert G.: *See—*
Farfaglia, Silvio T.; and Halpin, Robert G., 3,825,408.

Halsey, Carl C.: *See—*
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Halsey, Donald James: *See—*
Locklair, Earl Everett; and Halsey, Donald James, 3,852,890.

Halstead, Kenneth G.; and Benbow, Eugene C., to Westinghouse Electric Corporation. Interval timing machanism for maximum demand meter. 3,805,154, 4-16-74, Cl. 324-103.00r.

Halstead, William M., to Techni-Tool, Inc. Method for opening eyelet holes in printed circuit boards. 3,804,667, 4-16-74, Cl. 117-212.000.

Halsted, Edwin H.: *See—*
Daeler, Gene L.; Halsted, Edwin H.; and Newill, William J., 3,805,521.

Halt, Hermann: *See—*
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Halt, Ira E., to General Electric Company. Ohmic contact for p-type Group III-V semiconductors. 3,850,688, 11-26-74, Cl. 117-217.000.

Halteman, Samuel Paul. Protective helmet and face shield. 3,806,951, 4-30-74, Cl. 2-6.000.

Halter, Allan C., to Allis-Chalmers Corporation. Extensometer with updating at intervals independent of strip speed. 3,838,254, 9-24-74, Cl. 235-92.0dn.

Halter, Howard Martin, to AMF Incorporated. Process for making a reconstituted tobacco composition. 3,795,250, 3-5-74, Cl. 131-17.000.

Halter, John C. Combination ski lock and safety strap. 3,826,510, 7-30-74, Cl. 280-11.37k.

Haltmeier, Paul, to Fischer, Georg, Aktiengesellschaft. Filling thread clamping device for a shuttleless weaving machine. 3,797,532, 3-19-74, Cl. 139-194.000.

Halton, Murray: *See—*
Dow, Norris F.; and Halton, Murray, 3,799,209.

Halvorsen, Gary A.: *See—*
Daugherty, Ralph K.; and Halvorsen, Gary A., 3,821,673.

Halvorsen Gary A., 1/2 to Hanscom, Genevieve I. and 1/2 to Hanscom, Genevieve I.; Magnuson, Robert; Thomson, Lois; trustees of the estate of Magnuson, Roy M.; deceased. Control system for feed of articles. 3,820,648, 6-28-74, Cl. 198-34.000.

Halvorsen, Robert M., to Ex-Cell-O Corporation. Fuel spray nozzel. 3,827,638, 8-6-74, Cl. 239-534.000.

Halvorson, Kenneth M., Sr. Unitized electric heater assembly for a coffee percolator. 3,836,713, 9-17-74, Cl. 219-441.000.

Halvorson, Leroy G.: *See—*
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Ham, Allan Leslie: *See—*
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Cox, David Alexander; Danilewicz, John Christopher; Ham, Allan Leslie; Kemp, John Edward Glyn; and Snarey, Michael, 3,845,123.

Ham, Donald M.: *See—*
McQuarrie, Alexander M.; and Ham, Donald M., 3,844,474.

Ham, Donald M., to General Electric Company. Demand meter with self-aligning bearing assembly. 3,789,300, 1-29-74, Cl. 324-103.00r.

Ham, Edward John; and Soden, Ralph Robert, to RCA Corporation. Method of etching silicon oxide to produce a tapered edge thereon. 3,839,111, 10-1-74, Cl. 156-8.000.

Ham, John E., to Jackson, Bryon, Inc. Electrohydraulic control system. 3,800,962, 4-2-74, Cl. 214-2.500.

Ham, Rowland Herbert. Demountable load carrying bodies. 3,817,413, 6-18-74, Cl. 214-515.000.

Ham, Rowland Herbert, to Ronway Engineering Company Limited. Demountable load carrying bodies. 3,836,178, 9-17-74, Cl. 280-415.00b.

Hama, Kazuaki: *See—*
Ito, Hiroyuki; Sasaki, Yutaro; Miyamoto, Shigetoshi; Kayama, Naohiro; Kajiwara, Ikuo; Iguchi, Yoichi; Sakaguchi, Kimiko; Hama, Kazuaki; Yo, Ikuko; Tsutsui, Hiroko; Nishi, Fusako; and Fujii, Setsuro, 3,824,267.

Hama, Kotaro: *See—*
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Hama, Tatsuharu: *See—*
Hosoya, Minoru; Hama, Tatsuharu; and Arafune, Hisayuki, 3,808,957.

Hama, Tetsuro; and Nishimura, Izuhiko, to Kabushiki Kaisha Suwa Siekosha. Driving arrangement of passive time indication devices. 3,797,225, 3-19-74, Cl. 58-50.00r.

Hama, Tetsuro, to Kabushiki Kaisha Suwa Seikosha. Frequency divider circuit incorporating presetting means. 3,829,712, 8-13-74, Cl. 307-225.00c.

Hamabe, Takeshi; and Suzuki, Takashi, to Matsushita Electric Industrial Co., Ltd. Continuous anodic oxidation method for aluminum and alloys thereof. 3,829,364, 8-13-74, Cl. 204-28.000.

Hamac-Hansella GmbH: *See—*
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Hamacher, Wilhelm; and Leinweber, Hubert, to Dunlop Limited. Pneumatic tire having fleece bead reinforcements. 3,841,378, 10-15-74, Cl. 152-362.00r.

Hamada, Koichi, to Nippon Seisen Co., Ltd. Method of simultaneously drawing a plurality of wires and apparatus therefor. 3,844,021, 10-29-74, Cl. 29-419.00r.

Hamada, Koichi; and Kunieda, Tatsuya, to Nippon Seisen Co., Ltd. Antistatic yarn consisting of a mixture of metallic and nonmetallic fibers. 3,851,456, 12-3-74, Cl. 57-140.0by.

Hamada, Kozo: *See—*
Nagasawa, Taro; Hamada, Kozo; Yuguchi, Hiroya; and Mizuguchi, Kenji, 3,856,627.

Hamada, Masa: *See—*
Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Maeda, Kenji; Hamada, Masa; and Hara, Takeshi, 3,840,513.
Umezawa, Hamao; Takeuchi, Tomio; Aoyagi, Takaaki; Hamada, Masa; Maeda, Kenji; and Okami, Yoshiro, 3,840,516.

Hamada, Nagaharu; Miyanaka, Motosi; and Yasuda, Isao, to Hitachi, Ltd. Graphic display device. 3,792,464, 2-12-74, Cl. 340-324.0ad.

Hamada, Noriaki: *See—*
Muraishi, Masakazu; Hamada, Noriaki; Shinkawa, Toshiyuki; and Arai, Tomiji, 3,811,726.

Hamada, Osamu, to Sony Corporation. Broadcast receiver. 3,845,394, 10-29-74, Cl. 325-455.000.

Hamada Printing Press Mfg., Co., Ltd.: *See—*
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Hamada, Seiya: *See—*
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Miyata, Takeo; Hamada, Seiya; Inoue, Katsuaki; and Baba, Mikito, 3,829,799.

Hamada, Shinji: *See—*
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Takiguchi, Sunichi; Satoyoshi, Yasuhiko; Hamada, Shinji; Nakamura, Takeshi; Koba, Sadaaki; and Shimoda, Noboru, 3,857,153.

Hamada, Teruma. Hydraulic bending press. 3,839,896, 10-8-74, Cl. 72-443.000.

Hamada, Tetsuo: *See—*
Aishima, Itsuho; Sakurai, Hisaya; Takashi, Yukichi; Morita, Hideo; Hirotsu, Yoshiyuki; and Hamada, Tetsuo, 3,787,323.

Hamada, Yoshio: *See—*
Karube, Soichi; Hamada, Yoshio; and Suganuma, Yoshiyasu, 3,783,440.

Hamada, Yoshitugu; Nakamoto, Yasunori; and Jinno, Seizo, to Yanmar Diesel Engine Co., Ltd. Cylinders of internal-combustion engines. 3,808,955, 5-7-74, Cl. 92-169.000.

Hamaguchi, Ichiro: *See—*
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Hamaguchi Indicator Industry Co., Ltd.: *See—*
Nishi, Koji; Kumakura, Itsuo; and Hamaguchi, Ukio, 3,813,806.

Hamaguchi, Ukio: *See—*
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Hamahata, Kozo: *See—*
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Hamakawa, Toshihiro; Kajihara, Motoyoshi; Suzue, Takashi; and Ogawa, Fumiaki, to Taiho Pharmaceutical Company, Limited. Process for producing antilipemic substance. 3,810,978, 5-14-74, Cl. 424-95.000.

Hamaker, Ralph A., to Xerox Corporation. Foraminous vacuum bias roll transfer system. 3,832,055, 8-27-74, Cl. 355-3.00r.

Hamaker, Ralph A., to Xerox Corporation. Foraminous sheet registration system. 3,845,951, 11-5-74, Cl. 271-243.000.

Hamal, Heinrich: *See—*
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Hamamatsu Terebi Kabushiki Kaisha: *See—*
Shibata, Hideo; Emori, Takashi; Kurasawa, Kazuo; Okabe, Masao; and Santo, Tamio, 3,794,427.

Hamamoto, Al S.: *See—*
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Hamamoto, Hiroshi: *See—*
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Hamamoto, Takashi: *See—*
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Hamamoto, Yoshito; and Okada, Tomio, to Kyowa Gas Chemical Industry Co., Ltd. and Sagami Chemical Research Center. Process for purifying diaminomaleonitrile. 3,842,115, 10-15-74, Cl. 260-465.50r.

Hamana Iron Works Co., Ltd.: *See—*
Ueda, Iwao, 3,830,050.

Hamana, Isao; Fujiwara, Yoshio; Yoshikawa, Hirofumi; Shiokawa, Kanzi; Kato, Seijun; and Nozawa, Testuo, to Teijin Limited. Method of preparing synthetic continuous multifilament yarns by the coupled spinning-drawing process. 3,803,282, 4-9-74, Cl. 264-103.00.

Hamanaka, Ernest S., to Pfizer Inc. α-Carboxamido acyl derivatives of penicillin. 3,819,600, 6-25-74, Cl. 260-239.100.

Hamanaka, Ernest S., to Pfizer Inc. Phosphono substituted acylpenicillins. 3,828,025, 8-6-74, Cl. 260-239.100.

Hamanaka, Ernest S.; and Patton, David S., to Pfizer Inc. 6-(Alpha-(guanylureidoalkanoylamino)aracylamino) penicillanic acids. 3,838,153, 9-24-74, Cl. 260-239.100.

Hamanaka, Hiroyoshi; Okazaki, Yasuhisa; and Yoshijima, Hiroshi, to Toho Chemical Industry Co., Ltd. Surface-active organoboron compounds. 3,852,314, 12-3-74, Cl. 260-410.700.

Hamanaka, Wahei: *See—*
Nagata, Tadayoshi; and Hamanaka, Wahei, 3,812,796

Hamann, Gunter; and Zschieschank, Gunter, to Licentia Patent-Verwaltungs-G.m.b.H. Measuring device for electrical components. 3,801,909, 4-2-74, Cl. 324-158.00f.

Hamann, Herman C.: *See—*
Clemens, David H.; and Hamann, Herman C., 3,817,878.

Hamann, Raymond J. Device for washing and coiling hoses. 3,827,097, 8-6-74, Cl. 15-40.000.

Hamano, Etsuko: *See—*
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Takemura, Satoshi; Harakon, Katsuyuki; Maeda, Mitsuaki; Sakai, Noboru; and Hamano, Etsuko, 3,851,693.

Hamano, Goro, to Matsushita Electric Industrial Co., Ltd. Programmable logic controller. 3,849,765, 11-19-74, Cl. 340-172.500.

Hamano, Nobuo, to Tomy Kogyo Co., Ltd. Amusement device 3,792,548, 2-19-74, Cl. 46-1.00c.

Hamano, Sachiyuki; Nakamura, Takaharu; Kuriyama, Shizuo; and Yamanaka, Motosuke, to Eisai Co., Ltd. 3-Sulfamyl-4-chlorobenzoic acid derivatives. 3,787,440, 1-22-74, Cl. 260-326.100.

Hamano, Tatsuji. Filter for removing such particles and miscellaneous dirt as contained in a fluid. 3,815,341, 6-11-74, Cl. 55-477.000.

Hamano, Yoshimasa: *See—*
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Hamaoka, Tatsunori: *See—*
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Hamar, James H. Pump support adapter. 3,797,571, 3-19-74, Cl. 166-88/000.

Hamasaki, Kamenosuke. Device for controlling seaborne vessels. 3,831,543, 8-27-74, Cl. 114-145.00r.

Hamasaki, Masafumi: *See—*
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Nonaka, Kohei; Tanaka, Masaho; Maki, Takeshi, Harada, Ikuo; and Hamasaki, Masafumi, 3,836,168.

Hamasaki, Masafumi; and Haruna, Takashi, to Nissan Motor Company, Limited. Vehicle safety device. 3,799,578, 3-26-74, Cl. 280-150.0ab.

Hamashige, Carl H. Driver's communicating signal lights for accelerating, braking and turning operations. 3,784,974, 1-8-74, Cl. 340-67.000.

Hamatsuki, Takeshige: *See—*
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Hamayasu, Norio. Brake shoe system for bicycles. 3,840,093, 10-8-74, Cl. 188-24.000.

Hamb, Frederick L., to Eastman Kodak Company. Film element comprising aromatic diester containing copolyester support 3,816,122, 6-11-74, Cl. 96-87.00r.

Hamb, Fredrick: *See—*
Wilson, John C.; and Hamb, Fredrick, 3,842,042

Hamb, Fredrick L.; and Wilson, John C., to Eastman Kodak Company. Polyesters of 2,2'-spirobi(chroman)diols. 3,793,249, 2-19-74, Cl. 260-47.00c.

Hamb, Fredrick L.; Hiller, Gary L.; and Wise, Albert W., to Eastman Kodak Company. Protective layer for photothermographic elements. 3,856,526, 12-24-74, Cl. 96-48.0hd.

Hamb, Fredrick L.; Hiller, Gary L.; and Wise, Albert W., to Eastman Kodak Company. Protective layer for photothermographic elements. 3,856,527, 12-24-74, Cl. 96-48.0hd

Hamberger, Lois Inez. Supports for ornamental designed articles. 3,836,419, 9-17-74, Cl. 161-18.000.

Hamblen, David P.; and Higgins, George C., to Eastman Kodak Company. Electro-optical display device and method. 3,849,657, 11-19-74, Cl. 250-461.000.

Hamblin, Robert Paul John, to Dow-Mac Concrete Limited. Mold for casting concrete articles. 3,830,458, 8-20-74, Cl. 249-50.000.

Hambock, Heinz: *See—*
Bader, Jorg; Hambock, Heinz; Sturm, Elmar; and Weiss, Anton Georg, 3,846,438.
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Hambro Structural Systems Limited: *See—*
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Hamburg, Fokko Wessel: *See—*
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Hamburg, Jacob J., to Admiral Marine Products Company. Kitchen sink strainer and drain bowl unit. 3,813,708, 6-4-74, Cl. 4-286.000.

Hamburg, James A., to General Motors Corporation. Circuit using limited operators to operate on wide dynamic range signals. 3,807,816, 4-30-74, Cl. 308-143.000.

Hamburg, James A.; and Whitney, Donald R., to General Motors Corporation. Noise pollution level measuring circuit. 3,848,471, 11-19-74, Cl. 73-557.000.

Hamburger, Brigitte: *See—*
Kuhle, Engelber; Klauke, Erich; Hammann, Ingeborg; Hamburger, Brigitte; and Frohberger, Paul-Ernst, 3,819,684.
Paulus, Wilfried; Hamburger, Brigitte; and Pauli, Otto, 3,801,576.

Hamburger, Edward O. Externally adjustable cam timer. 3,812,734, 5-28-74, Cl. 74-243.0pc.

Hameen-Anttila, Yrjo Sakari. Fish lure. 3,816,953, 6-18-74, Cl. 43-35.000.

Hamel, Bernard, to Societe Franciase d'Equipements pour la Navigation Aerienne. Aircraft adaptive control system. 3,793,574, 2-19-74, Cl. 318-561.000.

Hamel, Denis; and Salengro, Paul, to Pneumatiques Caoutchouc Manufacture et Plastiques Kleber-Colombes. Elastomeric load supports. 3,806,106, 4-23-74, Cl. 267-152.000.

Hamel, Edmond, to Hamel Projektierungs und Verwaltungs A.G. Apparatus for spinning a filament. 3,807,159, 4-30-74, Cl. 57-62.000.

Hamel, Edward E.: *See—*
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Hamel GmbH, Zwirnmaschinen: *See—*
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Hamel, Harvey C.; Kunzinger, Charles A.; and Stelzenmuller, William K., to International Business Machines Corporation. Superconductive shift register utilizing Josephson tunnelling devices. 3,825,906, 7-23-74, Cl. 340-173.100.

Hamel, Harvey C.; Kunzinger, Charles A.; and Stelzenmuller, William K., to International Business Machines Corporation. Two-way or circuit using Josephson tunnelling technology. 3,843,895, 10-22-74, Cl. 307-212.000.

Hamel Projektierungs und Verwaltungs A.G.: *See—*
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Hamel, Richard, to Domtar Limited. Sheet material and knife edge abrasive test. 3,827,281, 8-6-74, Cl. 73-700.000.

Hamel, Richard G.: *See—*
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Hamel, Stephen D., to United States of America, Atomic Energy Commission. Mixing rotor for fast analyzer of rotary cuvette type with means for enhancing the mixing of sample and reagent liquids. 3,829,223, 8-13-74, Cl. 356-246.000.

Hamelin, Gilbert, to Societe Anonyme DBA. Monitoring circuit for an electronic braking system. 3,838,891, 10-1-74, Cl. 303-21.0af.

Hamell, Matthew: *See—*
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Hamer, Herbert Emile Den, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer. Device for handling small objects. 3,797,875, 3-19-74, Cl. 294-1.00r.

Hamerdinger, Randolph W.; and Dunn, Phillip D., to Xerox Corporation. Dynamic barrier for heat pipe. 3,812,905, 5-28-74, Cl. 165-32.000.

Hamey, Peter Michael: *See—*
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Hamill, Robert L.: *See—*
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Hamill, Robert L.; and Stark W. Max, to Lilly, Eli, and Company. Antibiotic A-287 and process for production thereof. 3,824,305, 7-16-74, Cl. 424-118.000.

Hamill, Robert L.; and Hoehn, Marvin M., to Lilly, Eli, and Company. Antibiotics A28695A and A28695B and a process for production thereof. 3,839,558, 10-1-74, Cl. 424-121.000.

Hamill, Robert L.; and Hoehn, Marvin M., to Lilly, Eli, and Company. Anticoccidial method. 3,839,559, 10-1-74, Cl. 424-121.000.

Hamill, Robert L.; and Hehn, Marvin M., to Lilly, Eli, and Company. Antibiotics A201A and A201B and process for the production thereof. 3,843,784, 10-22-74, Cl. 424-119.000.

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Hamilton, Billy Harold; Meszar, John Robert; Ostapiak, Roman; Schroeder, Robert Edward; and Untamo, Peter Pentti, to Bell Telephone Laboratories, Incorporated. Serially-connected converters having multiple regulation modes for use in supplying serially-conected loads on long lines. 3,818,307, 6-18-74, Cl. 321-11.000.

Hamilton, Brian K., to Allied Chemical Corporation. Cone aspirating structure for air cushion inflation. 3,791,669, 2-12-74, Cl. 280-150.0ab.

Hamilton, Brian K., to Allied Chemical Corporation. Inflating means for inflatable vehicle restraint systems. 3,837,671, 9-24-74, Cl. 280-150.0ab.

Hamilton, Brian K., to Allied Chemical Corporation. Restraint metal chip coolant and separator. 3,845,971, 11-5-74, Cl. 280-150.0ab.

Hamilton, Charles Edward. Ornamental rhythmic fountain. 3,820,715, 6-28-74, Cl. 239-17.000.

Hamilton, Charles Eugene, to Dow Chemical Company, The. Device and method for measuring relative concentration changes in gas stream components. 3,793,158, 2-19-74, Cl. 204-1.00t.

Hamilton, Chester C. Positive displacement vapor control apparatus for fluid transfer. 3,850,208, 11-26-74, Cl. 141-59.000.

Hamilton, Clark B.: *See—*
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Hamilton, Cuddle: *See—*
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Hamilton, Curtis A.: *See—*
Lagrange, Don E.; Davis, Edward J.; Scheer, Eugene R.; Brewer, Ralph E.; and Hamilton, Curtis A., 3,857,042.

Hamilton Digital Controls, Inc.: *See—*
Pardee, Munson H., 3,830,402.
Zacaroli, Edward C., 3,851,115.

Hamilton, Douglas, to Elevator Safety Company. Stop control for elevators. 3,783,978, 1-8-74, Cl. 187-73.000.

Hamilton, Douglas D.: *See—*
Likas, Algerd C.; and Hamilton, Douglas D., 3,782,567.

Hamilton, Earle M.; and Cook, William. Centrifugal filter. 3,857,687, 12-31-74, Cl. 55-337.000.

Hamilton, Fenton D.; Glickman, Richard B.; Hartz, George R.; and Tawil, Joseph N., to Berkey-Colortran, Inc. Reflective barndoor. 3,783,264, 1-1-74, Cl. 240-3.000.

Hamilton, Frank. Combination clock, bed lamp, radio and tape player. 3,840,924, 10-15-74, Cl. 5-317.00r.

Hamilton, George M., to McDowell-Wellman Engineering Company. Gas producer having ash removal plates with individual temperature sensing. 3,847,562, 11-12-74, Cl. 48-76.000.

Hamilton, Georges Edmond; and Hamilton, William Horace. Golf ball ejector and flag post for putting cups. 3,790,166, 2-5-74, Cl. 273-34.00a.

Hamilton, Haldon L., to Hambro Forest Products, Inc. Construction method. 3,844,020, 10-29-74, Cl. 29-432.000.

Hamilton, Harry A.: *See—*
Chun, Sun W.; Hamilton, Harry A.; and Montagna, Angelo A., 3,785,964.
Chun, Sun W.; Hamilton, Harry A.; and Montagna, Angelo A., 3,809,643.

Hamilton, Jack L.; Jenks, John W.; and Milberger, John F., to United States Steel Corporation. Method of surface-conditioning heat-treating-furnace hearth rolls having sleeves of rebonded fused silica thereon by processing silicon steel strip. 3,789,647, 25-74, Cl. 72-236.000.

Hamilton, James Guthrie: *See—*
Guthrie, Robert William; Hamilton, James Guthrie; Kierstead, Richard Wightman; Miller, O. Neal; and Sullivan, Ann Clare, 3,810,931.

Hamilton, James O., III: *See—*
Bergh, Arndt B.; Forbes, Bert E.; Hamilton, James O., III; and Mixsell, Joseph C., Jr., 3,820,079.

Hamilton, James R. Crimping device. 3,800,387, 4-2-74, Cl. 29-200.00b.

Hamilton, Joel A.: *See—*
Mahaffy, Reid A.; and Hamilton, Joel A., 3,792,181.
Mahaffy, Reid A.; Hamilton, Joel A.; and Pinney, Wesley W., 3,805,486.

Hamilton, John: *See—*
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Hamilton, MacKenzie L., to Garrett Corporation, The. Fuel tank inerting system. 3,847,298, 11-12-74, Cl. 220-88.00b.

Hamilton, Mark H., to Rokon, Inc. Motorcycle brakes. 3,817,342, 6-18-74, Cl. 180-32.000.

Hamilton, Martin W., to Eaton Corporation. Boom length operating radius indicator and warning device. 3,833,932, 9-3-74, Cl. 340-267.00c.

Hamilton of Indiana, Inc., mesne: *See—*
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Hamilton, Otis T., Jr. Connection of advertising cards to carts. 3,782,747, 1-1-74, Cl. 280-33.99a.

Hamilton, Ramon D.; and Schneider, William P., to Upjohn Company, The. Extraction of prostaylandins. 3,794,675, 2-26-74, Cl. 260-468.00d.

Hamilton, Richard A. Exercise device. 3,850,430, 11-26-74, Cl. 272-81.000.

Hamilton, Robert H., to Dynatel Corporation. Cable fault locator apparatus and method with reference voltage comparison. 3,800,216, 3-26-74, Cl. 324-52.000.

Hamilton, Robert M.: *See—*
Fabish, Donald C.; and Hamilton, Robert M., 3,795,257.

Hamilton, Robert W.: *See—*
Schreiner, Heinz R.; Hamilton, Robert W.; and Francis, Arthur W., 3,815,591.

Hamilton, Ross Lynton; and Hallam, Wilfred Laurence. Snap fastener. 3,783,477, 1-8-74, Cl. 24-213.0cs.

Hamilton, Samuel L. Proportioning moisture sensing device for refrigeration systems. 3,846,730, 11-5-74, Cl. 338-34.000.

Hamilton, Stephen B., Jr.: *See—*
Smith, Stanley D.; and Hamilton, Stephen B., Jr., 3,856,839.

Hamilton, Stephen B., Jr.; and Lampe, Warren R., to General Electric Company. Two-part room temperature vulcanizable systems. 3,839,246, 10-1-74, Cl. 260-18.00s.

Hamilton, Thomas. Tool for gripping and performing work operations on building materials and the like. 3,829,231, 8-13-74, Cl. 408-108.000.

Hamilton Tool Company, The: *See—*
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Hamilton, Vern E.; and Thorburn, Eugene K., to McDonnell Douglas Corporation. Aspheric lens generator. 3,842,713, 10-22-74, Cl. 90-11.00c.

Hamilton, William F.: *See—*
Russell, Harold D.; Stone, Gerald; Lin, James; Hamilton, William F.; and Royston, James Allen, 3,852,789.

Hamilton, William F., to Mallay Corporation. Extrusion die plate. 3,847,530, 11-12-74, Cl. 425-461.000.

Hamilton, William F., II. Detector circuit with automatic sensitivity control and post detection filtering for touch control circuitry. 3,784,848, 1-8-74, Cl. 307-308.000.

Hamilton, William F., II. Coded touch multifunction touch control switch circuitry. 3,805,096, 4-16-74, Cl. 307-308.000.

Hamilton, William Horace: *See—*
Hamilton, Georges Edmond; and Hamilton, William Horace, 3,790,166.

Hamilton, William M.; Reighard, Alan B.; and Tamny, Simon Z., to Nordson Corporation. Modular solenoid-operated dispenser. 3,827,604, 8-6-74, Cl. 222-146.0he.

Hamingway, Trevor: *See—*
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Hamisch, Paul H., Jr.: *See—*
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Hamisch, Paul H., Sr., to Monarch Marking Systems, Inc. Method of making web of record members. 3,783,783, 1-8-74, Cl. 101-226.000.

Hamisch, Paul H., Sr., to Monarch Marking Systems, Inc. Method of making record members. 3,827,355, 8-6-74, Cl. 101-26.000.

Hamjian, Harry J., to Carpenter Technology Corporation. Method of making articles from powered material requiring forming at high temperature. 3,841,870, 10-15-74, Cl. 75-214.000.

Hamlet, Buck C.: *See—*
Sweet, Phillip J.; Hamlet, Buck C.; and Sweet, David L., 3,833,237.

Hamlet, Buck G.: *See—*
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Hamlet, John F., to United States of America, National Aeronautics and Space Administration. Automatic quadrature control and measuring system. 3,806,802, 4-23-74, Cl. 324-83.00q.

Hamlet, John F., to United States of America, National Aeronautics and Space Administration. LC-oscillator with automatic stabilized amplitude via bias current control. 3,815,048, 6-4-74, Cl. 331-109.000.

Hamlin, Halley Dale, to MTD Products Inc. Shredder. 3,817,462, 6-18-74, Cl. 241-101.700.

Hamlin, Robert. Spray can adapter. 3,815,819, 6-11-74, Cl. 239-11.000.

Hamlin, Ronald Jackson; and Albrecht, Richard Edmund, to Eastman Kodak Company. Slope control exposure control apparatus. 3,795,445, 3-5-74, Cl. 355-68.000.

Hamlyn, Maxwell Charles; Kidney, Allan James; and Owen, Alexander, to Lever Brothers Company. Preparation of a tubular collagen casing. 3,816,632, 6-11-74, Cl. 99-176.000.

Hamm, Alton B. Apparatus for separating lightweight debris from sand and gravel. 3,807,558, 4-30-74, Cl. 209-464.000.

Hamm, Alton B. Distance and direction recording device and method. 3,848,340, 11-19-74, Cl. 33-354.000.

Hamm, Heinz, to Rollei-Werke Franke & Heidecke. Photographic lens adapter ring for interchangeable lenses. 3,838,437, 9-24-74, Cl. 354-270.000.

Hamm, Jeffrey E.; and Jenson, Robert S. Low energy indicator. 3,811,123, 5-14-74, Cl. 340-249.000.

Hamm, Norman R. Motorized roping steer. 3,802,706, 4-9-74, Cl. 273-105.200.

Hamm, Philip C., to Monsanto Company. Method of plant growth regulation. 3,850,608, 11-26-74, Cl. 71-76.000.

Hamma, Gerhard, to Maschinenfabrik Spaichingen GmbH. Control mechanism for circular knitting machines with rotating needle carrier. 3,811,297, 5-21-74, Cl. 66-50.00r.

Hamma, Gerhard, to Maschinenfabrik Spaichingen GmbH. Control mechanism for circular knitting machine with rotating needle carrier. 3,815,383, 6-11-74, Cl. 66-50.00r.

Hamma, Gerhard, to Machinenfabrik Spaichingen GmbH. Device for storing pre-selected patterns for circular knitting machines having a plurality of systems. 3,828,583, 8-13-74, Cl. 66-50.00r.

Hamma, Gerhard, to Mayer & Cie. Maschinenfabrik. Multi-system circular knitting machine having a pattern device. 3,854,304, 12-17-74, Cl. 66-50.00r.

Hamma, John: *See—*
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Rapoza, Edward J.; Siegel, Maxwell E.; Estelle, Weems E.; Petrucci, Pasquale M.; Linarducci, Joseph S.; Hamma, John; and Montgomery, John, 3,832,969.

Hamma, Karlmann; and Baurle, Horst, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Pressure control system. 3,805,676, 4-23-74, Cl. 91-506.000.

Hamma, Noritaka: *See—*
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Hammacher, Konrad: *See—*
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Eberhard, Patrick; Hammacher, Konrad; and Mindi, Wolfgang, 3,795,239.

Hammack, Calvin Miles. Method and apparatus for automatically determining position-motion state of a moving object. 3,795,911, 3-5-74, Cl. 343-9.000.

Hamman, Lyle J., to Eaton Stamping Company. Recoil starter. 3,782,355, 1-1-74, Cl. 123-185.00b.

Hamman, Lyle J., to Eaton Stamping Company. Kick starter. 3,782,356, 1-1-74, Cl. 123-185.00c.

Hamman, Lyle J., to Eaton Stamping Company. Electric starter motor. 3,791,684, 2-12-74, Cl. 290-38.000.

Hamman, Lyle J., to Eaton Stamping Company. Starter pinion with molded base and drive. 3,791,685, 2-12-74, Cl. 290-38.000.

Hamman, Lyle J., to Eaton Stamping Company. Electric motor brush card. 3,792,298, 2-12-74, Cl. 310-242.000.

Hammann, Ingeborg: *See—*
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Draber, Wilfried; Buchel, Karl-Heinz; Hammann, Ingeborg; and Frohberger, Paul-Ernst, 3,819,703.
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Hoffmann, Hellmut; Behrenz, Wolfgang; and Hammann, Ingeborg, 3,825,557.
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Hoffmann, Hellmut; Hammann, Ingeborg; and Behrenz, Wolfgang, 3,843,679.
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Lorenz, Walter; Boshagen, Horst; Hammann, Ingeborg; and Behrenz, Wolfgang, 3,819,644.
Lorenz, Walter; Boshagen, Horst; Hammann, Ingeborg; and Behrenz, Wolfgang, 3,828,063.
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Sasse, Klaus; Hammann, Ingeborg; Unterstenhofer, Gunter, and Frohberger, Paul-Ernst, 3,850,925.
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Hammann, Paul E.: *See—*
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Hammar, Algot P. Tool for removing insulation from electrical wires. 3,787,969, 1-29-74, Cl. 30-140.000.

Hammar, Paavo Henrikki: *See—*
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Hammar, Walton J.; and Rustad, Mark A., to Rikeo Laboratories, Inc. Process for 11-amino-9,10-ethanoanthracenes. 3,808,238, 4-30-74, Cl. 260-396.00n.

Hammarlund, Gudmar; and Johansson, Arne, to Allmanna Svenska Elektriska Aktiebolaget. Time lag relay with a short recovery time. 3,838,319, 9-24-74, Cl. 317-141.00s.

Hammarlund, Per Erik: *See—*
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Hammarlund, Richard C.: *See—*
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Hamme, Lee F. Bearing dispenser. 3,831,810, 8-27-74, Cl. 221-301.000.

Hammel, Joseph J.; and Mackenzie, John D., to PPG Industries, Inc. Method of improving smoke filter. 3,793,061, 2-19-74, Cl. 317-106.00r.

Hammel, Joseph J., to PPG Industries, Inc. Glass composition and method of making. 3,834,911, 9-10-74, Cl. 106-39.700.

Hammel, Joseph J.; and Allersma, Ties, to PPG Industries, Inc. Method of making thermally stable and crush resistant microporous glass catalyst supports. 3,843,341, 10-22-74, Cl. 65-22.000.

Hammel, Rudolf: *See—*
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Wagner, Karl Heinz; Muellerpoths, Reiner; and Hammel, Rudolf, 3,849,618.

Hammel, Wallace W., Jr., to Card & Co. Inc. Yarn feed module for tufting machine. 3,847,098, 11-12-74, Cl. 112-79.00a.

Hammell, Kemper Martel; and Graeff, Norwood Claude, to AMP Incorporated. Switch with swaged leaf-spring contact. 3,808,390, 4-30-74, Cl. 200-246.000.

Hammelmann, Paul. Movement of a working station with reference to a substantially vertical surface. 3,783,819, 1-8-74, Cl. 118-4.000.

Hammelmann, Paul. Apparatus for cleaning vessels having an inlet. 3,791,394, 2-12-74, Cl. 134-167.00r.

Hammelmann, Paul. Cleaning device. 3,827,634, 8-6-74, Cl. 239-227.000.

Hammelmann, Paul. Apparatus for separating rubber from embedded reinforcements. 3,843,061, 10-22-74, Cl. 241-38.000.

Hammer, Edward E.; and Paynter, John, to General Electric Company. Vapor discharge lamp electrode having carbon-coated areas. 3,826,946, 7-30-74, Cl. 313-218.000.

Hammer, Edward E., to General Electric Company. Inside bulb coating for ultraviolet lamp. 3,845,343, 10-29-74, Cl. 313-221.000.

Hammer, Edward E.; and Martyny, William C., to General Electric Company. Surface treatment of fluorescent lamp bulbs and other glass objects. 3,847,643, 11-12-74, Cl. 117-33.501.

Hammer, Frank E., to Searle, G. D., & Co. Phosphatase assay using lyophilized aryl phosphate monoesters. 3,791,929, 2-12-74, Cl. 195-103.50r.

Hammer, Frank E., to Searle, G. D., & Co. Photometric method for determining lactic acid dehydrogenase or glucose-6-phosphate dehydrogenase. 3,838,010, 9-24-74, Cl. 195-103.50r.

Hammer, Glen P., to Esso Research and Engineering Company. Process for producing a gaseous composition containing hydrogen or hydrogen and carbon oxides. 3,816,609, 6-11-74, Cl. 423-652.000.

Hammer, James A.: *See—*
Neckermann, Edwin F.; and Hammer, James A., 3,816,577.

Hammer, Klaus-Dieter; and Porrmann, Herbert, to Kalle Aktiengesellschaft. Process for the manufacture of a chemically bonded textile sheet material based on synthetic fibers and having a high water vapor absorption capacity. 3,791,849, 2-12-74, Cl. 117-63.00.

Hammer, Klaus-Dieter; Porrmann, Herbert; and Klenk, Ludwig, to Kalle Aktiengesellschaft. Fiber fleece containing a polymeric reinforcing material. 3,811,923, 5-21-74, Cl. 117-76.00t.

Hammer, Klaus-Dieter; and Klenk, Ludwig, to Kalle Aktiengesellschaft. Manufacture of a reinforced, non-woven textile fiber sheet material. 3,853,608, 12-10-74, Cl. 117-140.000.

Hammer, Leslie G.; and Reynolds, Charles A., Jr., to Pioneer Medical Systems, Inc. Defibrillator output energy measuring circuit. 3,787,767, 1-22-74, Cl. 324-142.000.

Hammer, Victor S.; and Brozek, Chester W., to Chicago Fittings Corporation. High pressure fitting. 3,848,905, 11-19-74, Cl. 285-286.000.

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Hammerle, Dennis R.: *See—*
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Hammerquist, Peter A. Apparatus for removing particles from an airstream. 3,854,910, 12-17-74, Cl. 55-287.000.

Hammerschlag, Georg. Circular saws. 3,799,021, 3-26-74, Cl. 83-491.000.

Hammerschlag, Robert Hendrik. Apparatus for defining continually the envelope of the maxima, the minima and/or modulation depth of a varying input signal. 3,789,306, 1-29-74, Cl. 328-150.000.

Hammerschmidt, Leo L. Joint construction. 3,804,542, 4-16-74, Cl. 403-264.000.

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Hammersmith, James R., to Brown & Williamson Tobacco Corporation. Tobacco smoke filter additive. 3,802,441, 4-9-74, Cl. 131-10.900.

Hammerstein, Hanns; Reuss, Helmut; and Moisar, Erik, to Agfa-Gevaert Aktiengesellschaft. Process for the production of a stain-resistant photographic silver halide emulsion. 3,804,629, 4-16-74, Cl. 96-94.00r.

Hammes, Kenneth W.; Hammes, Kenneth W., Jr.; and Hammes, Timothy L.: *See—*
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Hammes, Paul A.: *See—*
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Morse, Lewis D.; Hammes, Paul A.; and Boyd, William A., 3,821,422.
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Hammes, Wilhelm. Plastic drum with removalbe cover and locking ring. 3,851,788, 12-3-74, Cl. 220-319.000.

Hammett & Edison: *See—*
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Hammett, Robert L.; Todd, Ronald H.; and Templeton, Lawrence W., to Hammett & Edison. Signal-to-noise ratio measurement. 3,825,835, 7-23-74, Cl. 325-363.000.

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Hammitt, David L., to PPG Industries, Inc. Mercury metal analyzer. 3,844,719, 10-29-74, Cl. 23-253.00r.

Hammon, Archie F. Field burning apparatus. 3,805,766, 4-23-74, Cl. 126-271.20r.

Hammon, Daniel F.: *See—*
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Hammon, Donald P.; and Hammon, Edwin J., to Industrial Concepts Corporation. Oil well brush tool. 3,827,492, 8-6-74, Cl. 166-173.000.

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Hammond, Aubrey J.: *See—*
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Hammond, Aubrey J.; and Lubowitz, Hyman R., to United States of America, Navy, mesne. Castable polyurethane composite propellants. 3,791,892, 2-12-74, Cl. 149-19.400.

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Hammond Corporation: *See—*
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Hammond, Donald L., to Hewlett-Packard Company. Dual crystal resonator apparatus. 3,826,931, 7-30-74, Cl. 310-8.100.

Hammond, Douglas L., to FMC Corporation. Attenuation of water waves and control and utilization of wave-induced water movements. 3,785,159, 1-15-74, Cl. 61-5.000.

Hammond, Earl G.: *See—*
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Hammond, Fred H., Jr., to Kendall Company, The, mesne. Peel adhesion apparatus and method. 3,788,135, 1-29-74, Cl. 73-150.00a.

Hammond, Harry H.: *See—*
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Hammond, Harry H., to Hansen Manufacturing Company, The. Coupling assembly. 3,851,666, 12-3-74, Cl. 137-614.040.

Hammond, Holton H.: *See—*
Brane, Earl P.; Brane, Douglas K., Marsh, Robert E.; and Hammond, Holton H., 3,797,523.

Hammond, Ivan K. Heat treating apparatus. 3,819,067, 6-25-74, Cl 214-26.000.

Hammond, James Woodrow; and Loomis, Phillip Eugene, to AMP Incorporated. Apparatus for positioning an end of a bendable wire-like article at a predetermined location on another article. 3,857,154, 12-31-74, Cl. 29-203.00p.

Hammond, John S.: *See—*
Scott, Arthur Leslie; Parsons, J. Hilton, Jr.; and Hammond, John S., 3,787,268.

Hammond, John W.: *See—*
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Hammond, John W., to Briddell, Charles D.; d/b/a C.D.B. Company. Recoverable underwater acoustic beacon. 3,858,166, 12-31-74, Cl. 340-5.00r.

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Hampton, Richard J.; and Bonnell, Brian P., to Ogilvie Flour Mills Company, Limited, The. Starch-based adhesive compositions 3,836,376, 9-17-74, Cl. 106-213.000.

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Hamrick, Harold Escar, to Bell Telephone Laboratories, Incorporated. Mobile telephone cellular switching system. 3,819,872, 6-25-74, Cl. 179-41.00a.

Hamrick, James Carver, to Jet Line Products, Inc. Method and apparatus for installing heavy electrical conductor lines in conduits. 3,793,732, 2-26-74, Cl. 33-137.00r.

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Hanks, Fletcher. Apparatus for collecting specimens. 3,783,535, 1-8-74, Cl. 37-55.000.
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Hanks, Jack G.; and Long, Olan L., to Westinghouse Electric Corporation. Dishwasher inner door panel and gasket arrangement. 3,837,120, 9-24-74, Cl. 49-489.000.
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Hannah, Eric D., to Chevron Research Company. Alkylphenol disulfonation process. 3,829,470, 8-13-74, Cl. 260-512.00r.
Hannah, John; Rogers, Edward F.; and Graham, Donald W., to Merck & Co. Inc. 1-Phosphorylated benzimidazoles. 3,806,514, 4-23-74, Cl. 260-302.00e

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Hannan, William James, to RCA Corporation. Playing back redundant holograms by scanning. 3,785,712, 1-15-74, Cl. 350-3.500.
Hannan, William James; and Frattarola, Joseph Ralph, to RCA Corporation. Double-sided holographic replicas. 3,790,245, 2-5-74, Cl. 350-3.500.
Hannan, William James, to RCA Corporation. Color motion picture film playback system. 3,843,836, 10-22-74, Cl. 358-45.000.
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Hanney, Philip Michael; and Staniforth, Thomas Raymond, said Staniforth assor. to Bentley Engineering Company Limited, The. Machine for and method of knitting stocking with closed toe. 3,800,560, 4-2-74, Cl. 66-14.000.
Hanni, Eduard; and Gygli, Walter, to Hammerle A.G., Maschinenfabrik. Work-table on machines for processing metal. 3,829,074, 8-13-74, Cl. 267-130.000.
Hanni, Eduard; and Gygli, Walter, to Hammerle AG Maschinenfabrik. Bending apparatus. 3,844,156, 10-29-74, Cl. 72-389.000.
Hanni, Manfred, to Siemens Aktiengesellschaft. Time multiplex transmission system. 3,843,927, 10-22-74, Cl. 325-4.000.
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Hanotier, Jacques Daniel Victor; and Hanotier, Monique Josephe Simone, to Labofina S.A. Process for the production of alpha-naphthyl esters. 3,809,715, 5-7-74, Cl. 260-479.00r.
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Hanselmann, Daniel, and Wildbolz, Rudolf, to Maschinenfabrik Rieter AG. Apparatus for separating fiber flocks from a transporting air stream. 3,787,093, 1-22-74, Cl. 302-61.000.
Hanselmann, Dieter; and Prohaska, Hans, to SWF-Spezialfabrik fur Autozubehor Gustav Rau GmbH. Switching device for indicating the loading of a vehicle seat. 3,825,707, 7-23-74, Cl. 200-85.00a.
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Hansen, Aage Ansgar; and Lane, Ralph David, to International Business Machines Corporation. High-voltage integrated driver circuit and memory embodying same. 3,843,954, 10-22-74, Cl. 340-173.00r.
Hansen, Andrew C., to Universal Oil Products Company. Catalytic cracking process improvement. 3,849,294, 11-19-74, Cl. 208-162.000.
Hansen, Arne, to Kidde, Walter, & Company, Inc. Safety release pin. 3,814,298, 6-4-74, Cl. 222-153.000.
Hansen, Bobbie F., Jr. Material handling apparatus. 3,795,335, 3-5-74, Cl. 214-304.000.
Hansen, Bunde Knut; and Persson, Leif Gunnar, to AB Ljungmans Verkstader. Gasoline dispensing system having central control station and a plurality of multigrade gasoline pumps. 3,782,597, 1-1-74, Cl. 222-28.000.
Hansen, Carl J. Harvesting machine for cabbage, or the like. 3,827,503, 8-6-74, Cl. 171-38.000.
Hansen, Charles C.; and Nilles, John D., to Refrigerating Specialties Co. Check valve for pulsating flows. 3,845,781, 11-5-74, Cl. 137-331.000.
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Hansen, Erik J., to Inter-Nation Research Corporation. Air filter. 3,847,577, 11-12-74, Cl. 55-385.000.
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Hansen, Gunnar Lyshoj; and Christensen, Rolf, to Danfoss A/S. Rotary piston machine with splined internal shaft. 3,826,596, 7-30-74, Cl. 418-61.00b.
Hansen, Gunnar Lyshoj; and Rono-Clausen, Jorgen, to Danfoss A/S. Oil pump for heating installations. 3,850,549, 11-26-74, Cl. 417-310.000.
Hansen, Gunnar Lyshoji, to Danfoss A/S. Liquid pump, particularly a fuel-oil pump. 3,791,765, 2-12-74, Cl. 417-357.000.
Hansen, Hans; Jorns, Peter; Rones, Josef; and Wuttke, Wolfgang, to Oxy Metal Finishing Corporation, mesne. Procedure for surface treatment of iron and steel. 3,795,548, 3-5-74, Cl. 148-6.15r.
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Hansen, Harold Valentine, to Deere & Company. Apparatus and method for distributing toxic agricultural chemicals. 3,831,867, 8-27-74, Cl. 241-101.700.
Hansen, Henning H. Magnetic toothbrush-holder. 3,782,799, 1-1-74, Cl. 312-206.000.
Hansen, Howard C., to Clark Equipment Company. Brake system. 3,827,758, 8-6-74, Cl. 303-3.000.
Hansen, Howard C., to Clark Equipment Company. Vehicle mounted plate having guide rollers. 3,850,111, 11-26-74, Cl. 104-245.000.
Hansen, Howard C., to Clark Equipment Company. Light reference system for aiding operator positioning of load handling devices and the like. 3,854,820, 12-17-74, Cl. 356-138.000.
Hansen, Howard Eugene; Straub, Robert Joseph; and Tuczynski, Edward Martin, to International Business Machines Corporation. Rotary fluid applicator. 3,849,906, 11-26-74, Cl. 34-229.000.
Hansen, Howard G. Cementitious coating containing non-abrasive filler. 3,827,894, 8-6-74, Cl. 106-90.000.
Hansen, Ib Schreiner. Spring actuated device for projecting clay pigeons. 3,826,238, 7-30-74, Cl. 124-8.000.
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Hansen, Joseph A., to Nelson Muffler Corporation. Exhaust muffler. 3,827,531, 8-6-74, Cl. 181-53.000.
Hansen, Kenneth N., to Allis-Chalmers Corporation Vehicle control module support. 3,789,945, 2-5-74, Cl. 180-69.00r.
Hansen, Kenneth N., to Allis-Chalmers Corporation. Control lever to actuate remote shift lever. 3,800,924, 4-2-74, Cl. 192-4.00a.
Hansen, Kenneth N., to Allis-Chalmers Corporation. Adjustable link with locking wrench for a tractor three-point hitch. 3,825,283, 7-23-74, Cl. 280-461.00a.
Hansen, Kenneth N., to Allis-Chalmers Corporation. Clutch pedal operated down shifting mechanism. 3,855,875, 12-24-74, Cl. 74-481.000.
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Hansen, Norbert Ernst Fritz; and Littmann, Walter Fritz Konrad, to U.S. Philips Corporation. Method of manufacturing a luminescent screen of a color television display tube. 3,814,629, 6-4-74, Cl. 117-211.000.
Hansen, Norman Joseph. Lighting fixtures for boat trailers. 3,821,560, 6-28-74, Cl. 307-10.0ls.
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Hansen, Paul E., to Minnesota Mining and Manufacturing Company Surgical drape. 3,809,077, 5-7-74, Cl. 128-132.00d
Hansen, Peter D., to Foxboro Company, The. Resistance bulb compensation circuits. 3,783,692, 1-8-74, Cl. 73-362.0ar.
Hansen, Ralph D. Unit for attaching electric fence wire to a supporting post. 3,801,731, 4-2-74, Cl. 174-163.00f
Hansen, Ralph H., to Stevens, J. P., & Co., Inc. Method and apparatus for obtaining energy from temperature changes. 3,823,560, 7-16-74, Cl. 60-527.000.
Hansen, Ralph H., to Stevens, J. P., & Co., Inc. Temperature adaptable fabrics. 3,857,753, 12-31-74, Cl. 161-178.000.
Hansen, Ralph Holm, to Bell Telephone Laboratories, Incorporated. Phenylhydrazone antioxidants for polyolefins. 3,809,675, 5-7-74, Cl. 260-45.90r.
Hansen, Raymond, 20% to Lee, Raymond, Organization, Inc., The. Electrical connector. 3,794,951, 2-26-74, Cl. 339-4.000
Hansen, Raymond J.; Spialter, Eila B.; Whitely, Robert M.; and Wu, Ning, to National Cash Register Company, The. Color bar printer 3,810,423, 5-14-74, Cl. 101-93.00c.

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Hansen, Theodore E., to Anaconda Company, The. Flexible flat power cable. 3,828,120, 8-6-74, Cl. 174-117.0ff.
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Hansen, Wallace A., to Essex International, Inc. Printed circuit board connector. 3,808,578, 4-30-74, Cl. 339-59.00m.
Hanser, Paul E. Hydraulic jack for trailers. 3,817,493, 6-18-74, Cl. 254-86.00r.
Hanser, Paul Edmund, to Deere & Company. Power transmission device for rotating a grader circle. 3,791,264, 2-12-74, Cl. 91-176.000.
Hanser, Paul Edmund; and Gebauer, Thomas Edward, to Deere & Company. Universal connection for blade-supporting draft frame of a motor grader. 3,791,457, 2-12-74, Cl. 172-781.000.
Hansford, Rowland C., to Union Oil Company of California. Exhaust gas conversion process and catalyst. 3,816,401, 6-11-74, Cl. 423-213.500.
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Hansford, Rowland C., to Union Oil Company of California. Exhaust gas conversion process and catalyst. 3,842,158, 10-15-74, Cl. 423-213.500.
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Hansgen, Klaus; Ridder, Gerhard; and Schuhmann, Bernd, to Mannesmann-Meer Aktiengesellschaft. Actuator for multiple action remote control of a ships drive system. 3,824,879, 7-23-74, Cl. 74-878.000.
Hansl, Nikolaus R., to Pacific Research Laboratories. Process for hydrolyzing 3-trifluoromethyl phenethylamines. 3,792,048, 2-12-74, Cl. 260-247.20r.
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Hanson, Alden B.; and Hanson, Chris A., to Hanson Industries Inc. Cable closure assembly. 3,790,991, 2-12-74, Cl. 24-70.0sk.
Hanson, Alden B.; and Hanson, Chris A., to Hanson Industries Inc. Ski boot and liner therefor. 3,798,799, 3-26-74, Cl. 36-2.5al.
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Hanson, Alden B.; and Hanson, Chris A., to Hanson Industries, Inc. Ski boot having multi-directional flexure means and canting means. 3,807,060, 4-30-74, Cl. 36-2.5al.
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Hanson, Casper H. Closet to pin measurer. 3,834,030, 9-10-74, Cl. 33-138.000.
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Hanson, Donald B., to United Aircraft Corporation. Sound suppression means for rotating machinery. 3,820,628, 6-28-74, Cl. 181-33.0hc.
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Hanson, Harold W., Jr., to Par-Way Mfg., Co. Liquid spray head for producing rectangular spray patterns. 3,831,861, 8-27-74, Cl. 239-520.000.
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Hanson, Robert Louis, to Bell Telephone Laboratories, Incorporated. Tone detector. 3,812,432, 5-21-74, Cl. 328-138.000.
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Hanson, Thomas Alec. Cutting tool. 3,798,725, 3-26-74, Cl. 29-106.00r.
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Hanson, William D. Overhead door latch. 3,838,877, 10-1-74, Cl. 292-254.000.
Hanson, William J., to Xerox Corporation. Magnetic shielding apparatus. 3,788,275, 1-29-74, Cl. 118-637.000.
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Hara, Hiroshi; Yokota, Yukio; Amano, Hiroyuki; and Nishimura, Tokio, to Fuji Photo Film Co., Ltd. Color silver halide photographic materials containing bis-pyrazolone color couplers. 3,834,908, 9-10-74, Cl. 96-100.000.
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Harcombe, Thomas Lyn, to A. B. Electronic Components Limited. Thick film circuitry. 3,821,610, 6-28-74, Cl. 317-101.00v.
Harcourt Brace Jovanovich, Inc.: *See—*
Falletta, Thomas S.; and Pugliese, Paul Jones, 3,812,960.

Harcourt, R. Earle, to Suitcase Shower Ltd. Self-locking hinge. 3,833,964, 910-74, Cl. 16-145.000.
Harcuba, Siegfried, to Transglas Patent- und Lizenzverwertungs AG. Method for the continuous production of glass, especially glass possessing a substantially band-shaped gross-sectional configuration. 3,841,857, 10-15-74, Cl. 65-94.000.
Hard Metals Limited: *See—*
Bingham, Henry, 3,835,944.
Hard, Robert A.: *See—*
Girard, Lucien; and Hard, Robert A., 3,841,705.
Hard, Robert A.; Stoyell, Loyal A.; and Young, Claude Frank, to Union Carbide Corporation. Annealing process. 3,840,410, 10-8-74, Cl. 148-3.000.
Hard, Robert Amos: *See—*
Bauer, Edwin Francis; Dokken, Roger Nels; Hard, Robert Amos; and Malhotra, Umesh Kumar, 3,816,720.
Hardaker, John T., Limited: *See—*
Evans, Roy; and Saltonstall, Peter, 3,833,024.
Hardcastle, Kenneth Noel: *See—*
Wright, Donald Curtis; Hardcastle, Kenneth Noel; and Brereton, Paul Arthur, 3,840,360.
Hardebeck, Klaus: *See—*
Wiedemann, Fritz; Thiel, Max; Stach, Kurt; Roesch, Egon; and Hardebeck, Klaus, 3,794,637.
Wiedemann, Fritz; Thiel, Max; Stach, Kurt; Roesch, Egon; and Hardebeck, Klaus, 3,804,835.
Hardee, Dicky D.: *See—*
Gueldner, Richard C.; Tumlinson, James H., III; Hardee, Dicky D.; Hedin, Paul A.; Thompson, Alonzo C.; and Minyard, James P., 3,813,443.
McKibben, Gerald H.; Davich, Theodore B.; Gueldner, Richard C.; Hardee, Dicky D.; and Hedin, Paul A., 3,803,303.
Hardenberg, Horst; and Frankle, Gerhard, to Daimler-Benz Aktiengesellschaft. Process and apparatus for multi-fuel operation of an aircompressing and auto-ignition injection internal combustion engine. 3,794,007, 2-26-74, Cl. 123-122.00d.
Hardenbrook, James M.: *See—*
Russell, Jack A.; Walker, Jerome F.; and Hardenbrook, James M., 3,815,909.
Hardenbrook, James M.; and Andrus, Paul G., to Xerox Corporation. Electrometer system. 3,852,668, 12-3-74, Cl. 324-72.000.
Harder, Arthur J., Jr., to Coach and Car Equipment Corporation. Seat adjusting mechanism. 3,784,147, 1-8-74, Cl. 248-371.000.
Harder, Arthur J., Jr., to Coach and Car Equipment Corporation. Seat and back cushion assembly. 3,833,260, 9-3-74, Cl. 297-452.000.
Harder, Arthur J., Jr., to Coach and Car Equipment Corporation. Slide mechanism with restraints against transverse movement. 3,847,452, 11-12-74, Cl. 308-6.00r.
Harder, Arthur J., Jr., to Coach and Car Equipment Corporation. Transit vehicle seat. 3,848,925, 11-19-74, Cl. 297-452.000.
Harder, Arthur J., Jr., to Coach and Car Equipment Corporation. Slide mechanism. 3,848,937, 11-19-74, Cl. 308-6.00r.
Harder, Arthur John. Multiple purpose apparatus. 3,808,607, 5-7-74, Cl. 4-2.000.
Harder, John E.: *See—*
Grove, Louis C., Jr.; Harder, John E.; Kennon, Richard D.; and Santilli, James N., 3,801,870.
Harder, Karl Max: *See—*
Bachmann, Gerhard; and Harder, Karl Max, 3,838,786.
Tauern, Dankmar; and Harder, Karl Max, 3,805,143.
Harder, Richard E., to Dow Badische Company. Annular spiral ISG. 3,794,300, 2-26-74, Cl. 259-4.000.
Harders, Holton G. Attitude indicator for load lifting apparatus and method. 3,824,578, 7-16-74, Cl. 340-267.00c.
Harders, Volkwart: *See—*
Fuhrmann, Siegfried; Harders, Volkwart; Kruger, Hartmut; and Schwenke, Rudiger, 3,844,587.
Hardesty, Edwin C., to Western Electric Company, Incorporated. Electrical connecting devices for terminating cords and methods of assembling the devices to cords. 3,835,445, 9-10-74, Cl. 339-99.00r.
Hardesty, Ethridge E.: *See—*
Goldsworthy, William B.; and Hardesty, Ethridge E., 3,783,060.
Goldsworthy, William B.; and Hardesty, Ethridge E., 3,801,407.
Goldsworthy, William B.; Karlson, Harald E.; and Hardesty, Ethridge E., 3,810,805.
Hardi-Kern, Ernst; Stager, Max Koch; and Neidecker, Rudolf, to Multi-Contact AG. Polarity reversing switch. 3,800,103, 3-26-74, Cl. 200-1.00v.
Hardick, Aldin; House, Delbert; and Martin, Alvin M., to Questor Corporation. Latch installation machine. 3,825,988, 7-30-74, Cl. 29-208.00r.
Hardie, George S.: *See—*
Monser, George J.; Hardie, George S.; Ehrhardt, John R.; and Smith, Terry M., 3,836,976.
Hardie-Tynes Mfg., Co.: *See—*
Puget, Win W., 3,839,946.
Hardies, Donald E.: *See—*
Bissinger, William E.; Hardies, Donald E.; and Lavanish, Jerome M., 3,850,609.
Hardies, Donald E.; and Rinehart, Jay K., to PPG Industries, Inc. Miticidal fluorinated carbonates. 3,852,464, 12-3-74, Cl. 424-301.000.
Hardimann, Goetz E., to Sandoz-Wander, Inc. 3,5-Dioxo-2,3,5,6-tetrahydro-(4H)-pyrane and thiopyrane-4-carboxanilides. 3,833,610, 9-3-74, Cl. 260-327.0th.
Hardin, Bobby O.; and Thurman, Woodrow W., to University of Kentucky Research Foundation, The, mesne. Resonant footing test apparatus. 3,813,929, 6-4-74, Cl. 73-84.000.
Hardin, George T., to Robertshaw Controls Company. Time schedule controller and parts and system therefor. 3,800,862, 4-2-74, Cl. 165-12.000.
Hardin, George T., to Robertshaw Controls Company. Time schedule controller and parts and housing therefor. 3,824,860, 7-23-74, Cl. 73-431.000.
Hardin, James T., to Eltra Corporation. Multiple output alternator. 3,809,995, 5-7-74, Cl. 321-5.000.
Hardin, John M. Catfish bait. 3,854,234, 12-17-74, Cl. 43-42.060.
Hardin, Leonard Jack: *See—*
Scheitlin, George Edward; and Hardin, Leonard Jack, 3,799,196.
Hardin, William Medford, to Champion International Corporation. Expandable chuck or mandrel. 3,791,659, 2-12-74, Cl. 279-2.000.
Harding, Asa C.; deceased (by Fry, Ella M.; administratrix). Rock saw. 3,807,095, 4-30-74, Cl. 51-13.0ss.
Harding, Brian: *See—*
Hughes, John M. Kyffin; Harding, Brian; and Lake, Graham Albert John, 3,841,300.
Ryffin-Hughes, John Malcolm; Harding, Brian; and Lake, Graham Albert John, 3,809,052.
Harding, Carol, 20% to Lee, Raymond, Organization, Inc., The. Air freshening ash tray device. 3,847,575, 11-12-74, Cl. 55-244.000.
Harding Development Company: *See—*
Hawk, Gary D., 3,832,749.
Harding, George W., to Poly-San Corporation. Chemical toilet cabana. 3,835,480, 9-17-74, Cl. 4-116.000.
Harding James, to Union Carbide Corporation. Aqueous dispersions based on heat-hardenable phenolic resins containing a gum mixture stabilizing agent. 3,823,103, 7-9-74, Cl. 260-17.200.
Harding, John Patrick; Butler David Sydney; and Lee, Frank James, to Post Office, The. Improvements in or relating to a crimping clip for electrically connecting together electrical conductors. 3,798,347, 3-19-74, Cl. 174-84.00c.
Harding, John W.: *See—*
Buntin, Robert R.; Keller, James P.; and Harding, John W., 3,849,241.
Harding, John W.; Keller, James P.; and Buntin, Robert R., to Esso Research and Engineering Company. Melt-blowing die for producing nonwoven mats. 3,825,380, 7-23-74, Cl. 425-72.000.
Harding, Peter: *See—*
Lees, William Arthur, Bennett, David John; Swire, John Richard; and Harding, Peter, 3,795,641.
Harding, Ray S., to Case, J. I., Company. Cone disk spring relief valve. 3,809,118, 5-7-74, Cl. 137-525.000.
Harding, Robert C.; Leslie, Lewis; and Olsen, Edward H., to Seaco Computer-Display Incorporated. Dynamic focus waveform generators. 3,796,913, 3-12-74, Cl. 315-31.00r.
Harding, William E.: *See—*
Aronstein, Jesse; Harding, William E.; and Zeiss, Philip M., 3,845,286.
Harding, William H.: *See—*
Hadfield, Robert W.; and Harding, William H., 3,784,042.
Hadfield, Robert W.; and Harding, William H., 3,844,440.
Harding, William R. Aquarium siphon. 3,785,493, 1-15-74, Cl. 210-169.000.
Hardinge Brothers, Inc.: *See—*
Parsons, Hubert J., 3,834,720
Parsons, Hubert J., 3,841,645
Hardison, Artson P.; and Hieber, E. Ellsworth, to Kar Industries Incorporated. Valving system for supplying fuel to tanks and transferring fuel between tanks. 3,782,400, 1-1-74, Cl. 137-39.000.
Hardman, Bruce B.: *See—*
Holub, Fred F.; Berger, Abe; and Hardman, Bruce B., 3,803,196.
Hardman, Carl C.: *See—*
Brown, Jack T.; Reduska, William; Hardman, Carl C.; and Pollack, William, 3,853,624.
Hardman, Carl C., to Westinghouse Electric Corporation. Iron electrode for alkaline cells. 3,836,397, 9-17-74, Cl. 136-25.000
Hardman, Chester S., Jr.: *See—*
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Hardman, Dorsey Loraine; and Hughes, Philip Goggans, to General Electric Company. Industrial control relay. 3,832,657, 8-27-74, Cl. 335-99.000.
Hardman, Dorsey Lorraine: *See—*
Dawson, Carlyle Steven; and Hardman, Dorsey Lorraine, 3,848,208.

Hardman, Dorsey Lorraine, to General Electric Company. Electromagnetic switching assembly. 3,840,830, 10-8-74, Cl. 335-132.000.

Hardman, Harley F.: *See—*
Callahan, James L.; Hardman, Harley F.; and Grasselli, Robert K., 3,804,756.

Hardman, Stanley J.: *See—*
Robinson, Roger R.; and Hardman, Stanley J., 3,795,422.

Hards, John E., to Durand Machine Company, Ltd. Rotary veneer clipper. 3,808,925, 5-7-74, Cl. 83-346.000.

Hardt, David R., to Faustel Incorporated. Revolving turret for supporting printing press cart. 3,783,782, 1-8-74, Cl. 101-216.000.

Hardt, Jean, to Aluminium Suisse S.A. Pressurized fluid dispensing devices. 3,784,064, 1-8-74, Cl. 222-397.000.

Hardt, Jean, to Aluminum Suisse S.A. Redrawing apparatus. 3,822,576, 7-9-74, Cl. 72-348.000.

Hardt, Jean, to Aluminum Suisse SA. Die for shaping metals. 3,848,453, 11-19-74, Cl. 72-467.000.

Hardt, Lothar, to Metallgesellschaft Aktiengesellschaft. Grounding system for tubular collectors in electrostatic precipitating apparatus. 3,793,802, 2-26-74, Cl. 55-155.000.

Hardt, Peter; and Boosen, Karl-Josef, to Lonza Ltd. Process of preparing 4-halomethyl coumarins and compounds. 3,808,232, 4-30-74, Cl. 260-343.20r.

Hardtl, Karl Heinz; Knufer, Heinrich; and Stuijts, Andreas Leopoldus, to U.S. Philips Corporation. Isostatic hot-pressing process for manufacturing dense sintered articles. 3,853,973, 12-10-74, Cl. 264-65.000.

Hardtmann, Goetz E.; and Ott, Hans, to Sandoz-Wander Inc., mesne. 1,4-Substituted-pyrimidin-2(1H)-ones. 3,829,422, 8-13-74, Cl. 260-251.00r.

Hardtmann, Goetz E., to Sandoz-Wander, Inc. Unsaturated-substituted tricyclic quinazolinones. 3,833,588, 9-3-74, Cl. 260-256.40f.

Hardwick, Bruce Alfred; and Patterson, John Howard, to Oil Shale Corporation (Australia), The. Leaching of metal values from various ores. 3,826,809, 7-30-74, Cl. 423-61.000.

Hardwick, Bruce Alfred; and Patterson, John Howard, to Oil Shale Corporation (Australia), The. Process for recovering vanadium values. 3,840,637, 10-8-74, Cl. 423-68.000.

Hardwick, Charles W.: *See—*
Taylor, Clifton I.; and Hardwick, Charles W., 3,810,263.

Hardwick, Charles W. Suture clamp. 3,857,396, 12-31-74, Cl. 128-335.000.

Hardwicke-Etter Company: *See—*
Neitzel, Joseph C.; and Hurst, Allen R., 3,805,693.

Hardy, Albert L., to General Electric Company. Compactor with ram means having an automatically movable ram. 3,838,635, 10-1-74, Cl. 100-215.000.

Hardy, Alfred W.: *See—*
Arnold, Orlan M.; and Hardy, Alfred W., 3,785,572.

Hardy, Charles J.: *See—*
James, William R.; and Hardy, Charles J., 3,843,185.

Hardy, Clyde. Lifting and lowering device for trailers. 3,856,319, 12-24-74, Cl. 280-43.180.

Hardy, Donald F.: *See—*
Campagna, Edward R.; Hardy, Donald F.; Palmer, Thomas W., III; Daugherty, Barney R.; and Letawa, John R., 3,856,498.

Hardy, Frederick Edward; and Speakman, Peter Roscoe Hartley, to Procter & Gamble Company, The. Quaternary ammonium compounds. 3,833,597, 9-3-74, Cl. 260-295.00q.

Hardy, Harold Kenyon, to United Kingdom Atomic Energy Authority. Method of extruding material from a particulate mass using a rotating extrusion die. 3,784,660, 1-8-74, Cl. 264-88.000.

Hardy, John C.; and Stevens, A. Brian, to Rockwood Systems Corporation, mesne. Foam dispersal nozzle. 3,823,876, 7-16-74, Cl. 239-504.000.

Hardy, John F.: *See—*
Berstein, Gregor; Hardy, John F.; and Doppler, Leonard H., 3,793,302.

Hardy, John W.; Redpath, Donald C.; and Hobrough, Gilbert, to Itek Corporation. Multiple image registration system. 3,811,011, 5-14-74, Cl. 178-6.800.

Hardy, Kenneth David; Nayler, John Herbert Charles; and Stove, Edward Raymond, to Beecham Group Limited. Alpha(aryloxycarbonyl)-and alpha(alkoxy-carbonyl)-aralkyl penicillins. 3,853,849, 12-10-74, Cl. 260-239.100.

Hardy, Kenneth L. Fluidized freezing. 3,807,186, 4-30-74, Cl. 62-57.000.

Hardy, Leon: *See—*
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,796,135.
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,797,520.
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,805,841.

Hardy, Michael E.: *See—*
Sessoms, Frank E.; and Hardy, Michael E., 3,851,070.

Hardy, Paul Wilson; and Peterson, Orrin Martel, to American Can Company. Low density, high strength ceramic article. 3,793,134, 2-19-74, Cl. 161-162.000.

Hardy, Pierre: *See—*
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,796,135.
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,797,520.
Lekarski, Simeon; Hardy, Pierre; and Hardy, Leon, 3,805,841.

Hardy, Sheila. Paint spray booth. 3,811,371, 5-21-74, Cl. 98-11.00j.

Hardy, William Arthur, to Lucas, Joseph, (Industries) Limited. Nut and gear assemblies for use in engine starter motors. 3,818,768, 6-25-74, Cl. 74-6.000.

Hardy, William C.: *See—*
Berry, Holland J.; Hardy, William C.; and Zadow, Dale W., 3,817,332.
Bradley, William S.; and Hardy, William C., 3,804,163.

Hardy, William C.; Schultze, Edward F.; and Shepard, John C., to Sun Oil Company (Delaware). Wellbore gravel pack method. 3,800,875, 4-2-74, Cl. 166-276.000.

Hardy, William C.; Schultze, Edward F.; and Shepard, John C., to Sun Oil Company. Method of formation consolidation. 3,812,913, 5-28-74, Cl. 166-288.000.

Hare, Alan Lawrence; Groves, James Denis; and Watson, William Stanley, to British Titan Limited. Operation of a heating device. 3,806,698, 4-23-74, Cl. 219-383.000.

Hare, Clarence R.: *See—*
Williams, Bruce T.; and Hare, Clarence R., 3,852,667.

Hare, George F.: *See—*
Ciccone, Thomas Q.; Hare, George F.; and Nimylowycz, Osyp, 3,786,761.

Hare, George H.: *See—*
Bogar, Joseph E.; Bragg, John K.; and Hare, George H., 3,792,450.

Hare, Glenn F. Cervical collar. 3,850,164, 11-26-74, Cl. 128-75.000.

Hare, Terence G. Single handle faucet valve. 3,796,231, 3-12-74, Cl. 137-625.400.

Hare, Thomas R.; and Segerstrom, Clifford C., to Shell Oil Company. Particulate solids tube loading apparatus. 3,788,370, 1-29-74, Cl. 141-125.000.

Harem, Sevram A., Jr.: *See—*
Lewkowitz, Steven; Bernstein, Bruce S.; Harem, Sevram A., Jr.; and Welt, Martin A., 3,806,316.

Harenberg, Harold L., Jr.; and Shannon, James H., to McDonnell Douglas Corporation. Monitor display means. 3,789,356, 1-29-74, Cl. 340-27.0na.

Harendza-Harinxma, Alfred Joseph, 10% to LaPaglia, Samuel A., 10% to Merry, Deane W. and 10% Catanese, Peter J. Filtering material. 3,842,070, 10-15-74, Cl. 260-212.000.

Hareng, Michel: *See—*
Assouline, Georges; Hareng, Michel; and Leiba, Eugene, 3,829,684.

Harf, Kenneth Gert, to Singer Company, The. Multiplying integrator circuit. 3,842,310, 10-15-74, Cl. 307-228.000.

Harfenist, Morton, to Burroughs Wellcome Co. Anthelmintic compounds. 3,852,336, 12-3-74, Cl. 260-485.00j.

Harford, Jack Rudolph, to RCA Corporation. Keyed AGC circuit. 3,835,248, 9-10-74, Cl. 178-7.30r.

Harford, James W.; and Jeffries, Stuart W., to Cybrix Corporation. Magnetic tape cassette changer. 3,811,625, 5-21-74, Cl. 242-181.000.

Hargash, Paul; and Karle, Franklin J., to Dow Chemical Company, The. Sample collection and delivery apparatus. 3,848,470, 11-19-74, Cl. 73-425.600.

Hargest, Thomas S. Surgical dressing and method of forming the same. 3,842,830, 10-22-74, Cl. 128-155.000.

Hargett, Lawrence, to Philmont Manufacturing Company. Quilted fabric and method of producing the same. 3,823,052, 7-9-74, Cl. 156-220.000.

Hargis, Charles W.: *See—*
Brannock, Kent C.; and Hargis, Charles W., 3,833,673.

Hargis, Charles W., to Eastman Kodak Company. Process for the catalytic vapor-phase synthesis of alkylpyridines. 3,829,428, 8-13-74, Cl. 260-290.00p.

Hargis, Ivan Glen; and Livigni, Russell A., to General Tire & Rubber Company, The. Preparation of solution polymers using a barium Di-tert alkoxide and a Di-butyl magnesium catalyst complex. 3,846,385, 11-5-74, Cl. 260-80.700.

Hargis, Raymond E.; and Bartley, Donald O., to Howe-Baker Engineers, Inc. Oil-water separation. 3,799,872, 3-26-74, Cl. 210-21.000.

Hargrave, Richard D.: *See—*
Vaughn, George A.; and Hargrave, Richard D., 3,805,366.

Hargrove, William W.: *See—*
Easton, Nelson R.; and Hargrove, William W., 3,839,415.

Harhaus, Volker W., to General Motors Corporation. Cylinder head oil drain system. 3,824,973, 7-23-74, Cl. 123-119.00b.

Harhen, Paul F.: *See—*
Miller, Matthew S.; and Harhen, Paul F., 3,818,171.

Harhen, Paul F., to Sage Laboratories, Inc. Microwave heating apparatus. 3,789,178, 1-29-74, Cl. 219-10.550.

Harhoff, Karl: *See—*
Ostrop, Berthold; Harhoff, Karl; Rassmann, Christoph; and Hermann, Martin, 3,804,465.

Harianawala, Abdulhusain, to Polysar Limited-Polysar Limitee. Flowable isoolefin polymers containing bromine and process for production thereof. 3,817,956, 6-18-74, Cl. 260-85.30c.

Harich, Jakob, to Rush-Hampton, Inc. Antifungal and antibacterial grapefruit derivative. 3,830,913, 8-20-74, Cl. 424-195.000.

Harich, Jakob, to Rush-Hampton, Inc. Biocidal compositions and their method of preparation employing a grapefruit derivative. 3,852,436, 12-3-74, Cl. 424-195.000.

Harig Precision, Inc.: *See—*
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Harigaya, Hiroshi; Kasai, Kazutomo; and Asahina, Michio, to Kabushiki Kaisha Suwa Seikosha. Silver alloys having high sulphuration resistance. 3,811,876, 5-21-74, Cl. 75-173.00r.

Harigaya, Shoichi: *See—*
Himizu, Junichi; Harigaya, Shoichi; Ishida, Akihiko; Yoshikawa, Kaoru; and Sato, Masanori, 3,787,448.

Harings, Horst; deceased (by Enge, Willi; administrator). Fuel proportioning system for a combustion engine. 3,845,750, 11-5-74, Cl. 123-139.0aw.

Harita, Yoshiyuki: *See—*
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Haritonoff, Boris W.: *See—*
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Hariu, Helmi. Body heating device. 3,839,621, 10-1-74, Cl. 219-211.000.

Harjes, Henry Herman, Jr.: *See—*
Parks, William Louis; Grenoble, William Luster, Jr.; Harjes, Henry Herman, Jr.; and McCarthy, Lawrence James, 3,810,102.

Harken, Peter O. Convertible fitting for pulley. 3,806,094, 4-23-74, Cl. 254-195.000.

Harken, Russel D.: *See—*
Crutchfield, Marvin M.; and Harken, Russel D., 3,829,384.
Lannert, Kent P.; and Harken, Russel D., 3,855,248.
Rapko, John N.; and Harken, Russel D., 3,852,306.

Harker, William Edmund. Method of casting. 3,791,063, 2-12-74, Cl. 43-4.500.

Harkes, Pieter Daniel: *See—*
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Begemann, Willem Johan; and Harkes, Pieter Daniel, 3,853,996.

Harkey, Andrew D. Tire changing tool. 3,828,955, 8-13-74, Cl. 214-332.000.

Harkey, Fred W.; and Harkey, Thelma F. Spare tire mounted, motor vehicle radiator cooling apparatus. 3,828,879, 8-13-74, Cl. 180-54.00a.

Harkey, Thelma F.: *See—*
Harkey, Fred W.; and Harkey, Thelma F., 3,828,879.

Harkias, Alex, to Mobile Metal Products, Inc. Refrigerator box with door mounted refrigeration unit. 3,821,881, 7-2-74, Cl. 62-3.000.

Harkness, Joseph R.: *See—*
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Harkness, Joseph R., to Briggs & Stratton Corporation. Safe start system for riding mowers. 3,782,084, 1-1-74, Cl. 56-10.500.

Harkness, Joseph R.; Santi, John D.; and Lechtenberg, Leo J., to Briggs & Stratton Corporation. Method of making an assembly of alternator magnet blocks with engine flywheel. 3,818,586, 6-25-74, Cl. 29-598.000.

Harkness, Joseph R.; Santi, John D.; and Lechtenberg, Leo J., to Briggs & Stratton Corporation. Assembly of alternator magnet blocks with engine flywheel. 3,828,212, 8-6-74, Cl. 310-153.000.

Harkness, Joseph R., to Briggs & Stratton Corporation. Controlled vibration absorbing mounting for engines. 3,841,425, 10-15-74, Cl. 180-53.00r.

Harkness, Kenneth A.; Kettunen, D. Mark; and Schirtzinger, Paul E., to Harkness, Kenneth A.; a/b/a IDEA namics. Grocery packaging machine. 3,830,036, 8-20-74, Cl. 53-76.000.

Harkness, Kenneth A.; a/b/a IDEA namics: *See—*
Harkness, Kenneth A.; Kettunen, D. Mark; and Schirtzinger, Paul E., 3,830,036.

Harkness, Leslie, to Warner Swasey Asquith Limited. Method and apparatus for setting cutting tools in machine tools. 3,789,509, 2-5-74, Cl. 38-185.00r.

Harkness, Rebekah, to Pirouette Projects, Inc. Ballet slipper. 3,797,137, 3-19-74, Cl. 36-2.5ae.

Harkness, Richard Ernest, to Combustion Engineering, Inc. Noise reducing apparatus for a vibrating screen sifting machine. 3,835,955, 9-17-74, Cl. 181-33.00k.

Harkrader, Ronald L.: *See—*
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Harkrader, Ronald L., to General Motors Corporation. Hydraulic actuator. 3,811,364, 5-21-74, Cl. 91-422.000.

Harkreader, Gordon G.: *See—*
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Harlan, Alfred R.; and Petersen, Ronald E., to Motorola, Inc. Two-way door assembly for a cassette tape player. 3,800,328, 3-26-74, Cl. 360-4.00c.

Harlan, James T., Jr., to Shell Oil Company. Low molecular weight block copolymers and coating compositions thereof. 3,792,005, 2-12-74, Cl. 260-27.0bb.

Harlan, James T., Jr.; Pettit, Donald; Blackwell, Frederick B.; and Carter, Alan R., to Shell Oil Company. Method of halogenating and adhering thermoplastic elastomeric block copolymers. 3,824,149, 7-16-74, Cl. 161-190.000.

Harland, Glen E., Jr.; and Metzger, Robert W., Jr., to General Motors Corporation. Double mesa transistor with integral bleeder resistors. 3,821,780, 6-28-74, Cl. 357-36.000.

Harland, Philip W.; and Waite, Ralph D., to Ametek, Inc. Gauge with cemented bourdon. 3,815,421, 6-11-74, Cl. 73-418.000.

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Harley, David N.: *See—*
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Harley, Robert E., to General Tire & Rubber Company, The. Method for removal of fluidized BFD particles from extruded polymeric products processed therein. 3,794,705, 2-26-74, Cl. 264-37.000.

Harlin, Walter: *See—*
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Harlow, Henley C. Steering mechanism for riding mower. 3,839,610, 10-1-74, Cl. 280-92.000.

Harman, Edward W.; and Leatherman, Marvin R., to Prestige Furniture Corporation. Seat type article of furniture and method of manufacturing same. 3,797,885, 3-19-74, Cl. 297-445.000.

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Harman, James F.: *See—*
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Harman, John N., Jr.; and Livingood, James S., to Drewry Photocolor Corporation. Shiftaway photographic strip dryer. 3,795,988, 3-12-74, Cl. 34-229.000.

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Harman, Robert W., to Chance, A. B., Company. Gas operable electrical connector and method. 3,835,441, 9-10-74, Cl. 339-45.000.

Harmel, Richard P., Jr. Atmospherically isolated mixing apparatus with viscosity responsive indicator. 3,831,903, 8-27-74, Cl. 259-1.00r.

Harmetz, Ronald: *See—*
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Harmon, Carlyle, to Johnson & Johnson. Method of making isotropic fibrous webs containing textile length fibers. 3,794,557, 2-26-74, Cl. 162-157.00c.

Harmon, Carlyle, to Johnson & Johnson. Continuous filament web and method of manufacturing the same. 3,802,980, 4-9-74, Cl. 156-181.000.

Harmon, Carlyle; and Sibbach, William, to Johnson & Johnson. Method of making sheet material. 3,851,034, 11-26-74, Cl. 264-147.000.

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Harmon, Emerson R., to Amalga Corporation, The. Current limiting device. 3,846,727, 11-5-74, Cl. 337-246.000.

Harmon Engineering: *See—*
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Harmon, F. L. Sentinel mail signal. 3,815,811, 6-11-74, Cl. 232-35.000.

Harmon, Gardy R.; Norman, John D.; and Tadlock, Guy M., 75% to Renfroe, R. Bogan and 25% to Harmon Engineering. Waste reduction apparatus. 3,856,218, 12-24-74, Cl. 241-186.00r.

Harmon, George Lamar: *See—*
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Harmon, Jerome Z. Simulated pocket ornament and holder. 3,786,520, 1-22-74, Cl. 2-279.000.
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Harmon, Richard A., to Continental Oil Company. Subsidence control process for wells penetrating permafrost. 3,841,404, 10-15-74, Cl. 166-292.000.
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Harnden, John D., Jr., to General Electric Company. Induction cooking appliance including temperature sensing of inductively heated cooking vessel. 3,786,220, 1-15-74, Cl. 219-10.490.
Harnden, John D., Jr.; and Kornrumpf, William P., to General Electric Company. Metallic foil induction cooking. 3,786,222, 1-15-74, Cl. 219-10.490.
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Harnden, John D., Jr., to General Electric Company. Protective connector devices. 3,821,686, 6-28-74, Cl. 338-21.000.
Harnden, Michael Raymond, to Beecham Group Limited. Complexes of double-stranded ribonucleic and with polyquaternary amine. 3,845,033, 10-29-74, Cl. 260-211.50r.
Harnden, Warren B.; and Morrill, Eugene H., to Illinois National Bank & Trust Co. of Rockford, as trustee under trust agreement dated March 4, 1972; and known as Trust No. 4792. Electroflotation apparatus. 3,853,736, 12-10-74, Cl. 204 269.000.
Harned, John L.; and Johnston, Laird E., to General Motors Corporation. Hydraulic anti-lock brake control system. 3,787,094, 1-22-74, Cl. 303-10.000.
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Harner, Kermit I., to United Aircraft Corporation. Surge control for a compressor. 3,804,112, 4-16-74, Cl. 137-489.000.
Harner, Kermit I., to United Aircraft Corporation. Compressor surge sensor. 3,809,490, 5-7-74, Cl. 415-28.000.
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Harnich, Eugene E., to Bendix Corporation, The. Fluid pressure relief valve. 3,820,554, 6-28-74, Cl. 137-67.000.
Harnick, Robert, to Blair Manufacturing Co., Inc. Chair. 3,823,980, 7-16-74, Cl. 297-455.000.
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Harnish, Mark E.; and Peters, Merrit A., to International Minerals & Chemical Corporation. Refractory. 3,830,653, 8-20-74, Cl. 106-59.000.
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Harold, Billy E. Adjustable tie down system. 3,820,817, 6-28-74, Cl. 280-179.00a.
Harold, Billy E., to Bethlehem Fabrications, Incorporated. Vehicle for carrying other vehicles and its tie-down setup. 3,853,347, 12-10-74, Cl. 296-1.00a.
Harper, Billy G.; Bashaw, Robert N.; and Atkins, Bobby L., to Dow Chemicel Company, The. Sorbent. 3,810,468, 5-14-74, Cl. 128-156.000.
Harper, David John; and McKellar, John Forgie, to Imperial Chemical Industries Limited. Plastics compositions. 3,846,395, 11-5-74, Cl. 260-94.9gc.
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Harper, Earl F.; and Williamson, Roger C., to Gulf Research & Development Company. Process for transalkylating diethyl benzene. 3,843,739, 10-22-74, Cl. 260-672.00t.
Harper, Ernest A.; and Bailey, Dunn M., to Phillips Petroleum Company. Refrigeration process. 3,808,826, 5-7-74, Cl. 62-9.000.
Harper, Ernest V.; and Yasenchak, Richard W., to General Motors Corporation. Position compensator for a programmed work device. 3,818,290, 6-18-74, Cl. 318-39.000.
Harper, George C., to Pittsburgh-Des Moines Steel Company. Method of making storage tank for liquid comprised of prefabricated and prepainted components. 3,805,369, 4-23-74, Cl. 29-458.000.
Harper, George S.; and Shand, John Richard. Snap action breaker with housing. 3,806,848, 4-23-74, Cl. 335-188.000.

Harper, George Sullivan, to Airpax Electronics Incorporated. Multipole circuit breaker. 3,786,380, 1-15-74, Cl. 335-9.000.
Harper, Jack R., to Dow Corning Corporation. Process for molding a flexible mold. 3,801,430, 4-2-74, Cl. 161-184.000.
Harper, Jack R., to Dow Corning Corporation. Process for molding from a flexible mold. 3,856,908, 12-24-74, Cl. 264-313.000.
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Harper, Marie R.; and Blea, Maxine R. Utensil storage unit. 3,846,005, 11-5-74, Cl. 312-248.000.
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Harper, Paul W. Self-anchoring constant preload device and method. 3,804,140, 4-16-74, Cl. 151-52.000.
Harper, Robert Charles, to Cincinnati Milacron Inc. Methods of producing oil-free and wax-free surfaces on polyurethane moldings. 3,848,037, 11-12-74, Cl. 264-46.400.
Harper, Robert J., Jr.; Gautreaux, Gloria A.; Bruno, Joseph S.; and Donoghue, Matthew J., to United States of America, Agriculture. Process for dyeing durable press cellulosic fabric with basic dyes. 3,788,804, 1-29-74, Cl. 8-18.000.
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Harper, Robert J., Jr.; Blanchard, Eugene J.; Lofton, John T.; and Gautreaux, Gloria A., to United States of America, Agriculture. Cross dyeing fiber blends of polyurethane, polyacrylate or butadiene-acrylonitrile copolymer coated cotton fibers with dispere and reactive dyes. 3,800,375, 4-2-74, Cl. 28-72.160.
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Harper, Robert J., Jr.; Blanchard, Eugene J.; Lofton, John T.; and Gautreaux, Gloria A., to United States of America, Agriculture. Process for dyeing crosslinked cellulosic fabrics with disperse dyestuffs. 3,853,459, 12-10-74, Cl. 8-18.000.
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Harradine, Hubert W. Water shoes. 3,783,532, 1-8-74, Cl. 36-2.5aa.
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Harrell, Bob G.; Wenta, Peter J.; and Linsin, Russell J., to Jackes-Evans Manufacturing Company. Method of expanding metal. 3,813,743, 6-4-74, Cl. 29-6.200.
Harrell, Bob G., to Jackes-Evans Manufacturing Company. T-type locker handle. 3,843,173, 10-22-74, Cl. 292-7.000.
Harrell, Jerald R.; Logothetis, Anestis L.; and Verbane, John J., to Du Pont de Nemours, E. I., and Company. Tire cord adhesive. 3,838,081, 9-24-74, Cl. 260-29.300.
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Harrell, John W.; Patton, Bobbie J.; and Sexton, James H., to Mobil Oil Corporation. Regulator turn-on overshoot elimination. 3,818,319, 6-18-74, Cl. 322-28.000.
Harrell, John W.; Patton, Bobbie J., and Ballard, Billy G., to Mobil Oil Corporation. Downhole data generator for logging-while-drilling system. 3,821,696, 6-28-74, Cl. 340-18.0ld.
Harrell, L. Lamar, Jr., to Du Pont de Nemours, E. I., and Company. Isocyanate-modified neoprene foam process. 3,839,241, 10-1-74, Cl. 260-2.501.
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Harrell, Robert E.; and Hadley, Richard E., to Western Litho Plate & Supply Co. Photographic printing apparatus. 3,810,694, 5-14-74, Cl. 355-18.000.
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Harrington, James A., to General Motors Corporation. Automatic piston adjuster. 3,815,716, 6-11-74, Cl. 192-111.00a.
Harrington, James A., to General Motors Corporation. Transmission brake mechanism. 3,856,119, 12-24-74, Cl. 188-82.300.
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Harris, Clyde W.; Neiswander, Robert S.; and Sungino, Paul S., to Te Company, The. Image surface scanning system. 3,817,593, 6-18-74, Cl. 350-6.000.
Harris, Daniel J. Electric fish tank. 3,797,459, 3-19-74, Cl. 119-5.000.
Harris, David A.; Burbach, Henry E.; and Singer, Joseph G., to Combustion Engineering, Inc. Regenerative air heater with reversible drive. 3,799,242, 3-26-74, Cl. 165-7.000.
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Harris, Derek James; and Firth, Jack, to CVS Chip Vending Services Limited. Fried product dispensing apparatus. 3,818,820, 6-25-74, Cl. 99-407.000.
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Harris, Douglas H.; and Correll, Harold M., to Monsanto Research Corporation. Microwave circulator. 3,854,993, 12-17-74, Cl. 117-212.000.
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Harrison, David Blackburn, to Lucas Electrical Company Limited, The. Direction indicator systems for tractor-trailer vehicles. 3,858,178, 12-31-74, Cl. 340-80.000.

Harrison, David E., to Beneke Division, Beatrice Foods Co. Method of making a soft integral-skin foam seat. 3,845,183, 10-29-74, Cl. 264-46.600.

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Harrison, James M., to Crest Container Corporation. Plastic cup. 3,820,684, 6-28-74, Cl. 206-520.000.

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Harrison, Jimmy L.; Lehman, David F.; and Phelan, Harry Richard, to Harris-Intertype Corporation. Limited scan antenna array. 3,858,221, 12-31-74, Cl. 343-815.000.

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Harrison, Marvin G.: *See*—
Sanderson, Robert L.; and Harrison, Marvin G., 3,803,353.

Harrison, Maurice Clark; and Vancil, Donald Otis, to Reynolds Metals Company. Method of preparing sodium-aluminum fluoride. 3,825,659, 7-23-74, Cl. 423-465.000.

Harrison, Michael; and Tomlinson, Kenneth, to Colgate-Palmolive Company. Dentifrices containing crystalline silica. 3,804,946, 4-16-74, Cl. 424-54.000.

Harrison, Paul: *See*—
Carboni, Victor B.; and Harrison, Paul, 3,782,279.

Harrison, Paul H.: *See*—
Frey, Gerald J.; Wadler, Milton; and Harrison, Paul H., 3,820,886.

Harrison, Paul W.: *See*—
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Harrison, Robert E., to Hoerner Waldorf Corporation. Handled bag. 3,811,613, 5-21-74, Cl. 229-54.00c.

Harrison, Robert R., to Nemo Corporation. Steering system. 3,796,292, 3-12-74, Cl. 192-8.00c.

Harrison, Robert S.; and Lunsford, Max W., to Ford Motor Company. Carburetor throttle valve positioner. 3,788,288, 1-29-74, Cl. 123-97.00b.

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Harrison, Stanley, to Alpha Industries, Inc., mesne. Ion accelerator employing crossed-field selector. 3,816,748, 6-11-74, Cl. 250-296.000.

Harrison, Thomas S., to Sterling Drug Inc. Dispenser pack for pre-moistened towelettes. 3,819,043, 6-25-74, Cl. 206-449.000.

Harrison, Thomas S., to Sterling Drug Inc. Dispensing treated towelettes. 3,843,017, 10-22-74, Cl. 221-63.000.

Harrison, Warrington C.: *See*—
Bunclark, Edward J.; Harrison, Warrington C.; and Forster, Eric O., 3,821,337.

Harrison, Wesley V.; and Foster, Wilbur A., to Western Digital Systems, Inc. Keyboard apparatus. 3,818,485, 6-18-74, Cl. 340-365.00p.

Harrison, William A.: *See*—

Ariyan, Zaven S.; Kulka, Marshall; and Harrison, William A., 3,796,800.
Ariyan, Zaven S.; and Harrison, William A., 3,821,384.
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Harrison, William J., to Photoidetics, Inc. Automatic lens focusing method and apparatus. 3,856,392, 12-24-74, Cl. 353-101.000.

Harrod, Jimmie A., to Moore Business Forms, Inc. Oscillating roll for printing presses. 3,815,498, 6-11-74, Cl. 101-348.000.

Harrod, William Lee; Hindermann, David Karl; and Sebeson, John Michael, to Bell Telephone Laboratories, Incorporated. Electron beam testing of film intergrated cureuits. 3,796,947, 3-12-74, Cl. 324-51.000.

Harrold, Marshall C.: *See*—
Miller, James L.; Wright, Carl J.; and Harrold, Marshall C., 3,783,529.

Harrold, Ronald T., to Westinghouse Electric Corporation. Hybrid circuit interrupter. 3,814,882, 6-4-74, Cl. 200-144.00b.

Harrow, Layton Bruce. Method of forming pleated fabric. 3,823,452, 7-16-74, Cl. 28-72.0ft.

Harrowing, Stewart, to Lawron Industries Limited. Process for restoring and covering suction couch shells. 3,793,104, 2-19-74, Cl. 156-94.000.

Harsanyi, Kalman; Korbonits, Dezso; Szebeni, Rudolf; Gal, Gyula; and Keller, Laszio, to Chinoin Gyogyszer- es Vegyeszeti Termekek Gyara RT. 7-2-Hydroxy-3-(N-methyl-2-hydroxy-ethylamino)-propyl -theophylline-2-(4-chlorophenoxy)-isobutyrate. 3,801,578, 4-2-7, Cl. 260-253.000.

Harsch, Thomas B.: *See*—
Fergason, James L.; and Harsch, Thomas B., 3,795,133.

Harsch, Thomas B., to International Liquid Xtal Company. Display devices utilizing liquid crystal light modulation with varying colors. 3,785,721, 1-15-74, Cl. 350-150.000.

Harsch, Thomas B., to Hoffmann-La Roche Inc. Liquid crystal display. 3,837,729, 9-24-74, Cl. 350-160.01c.

Harsch, Thomas B., to Hoffmann-La Roche Inc., mesne. Polarized arrangement for liquid crystal displays. 3,857,627, 12-31-74, Cl. 350-160.0lc.

Harschel, Jonas C. Insert for measuring mixing and dispensing liquids. 3,784,062, 1-8-74, Cl. 222-377.000.

Harsco Corporation: *See*—
Fannon, Robert D., Jr., 3,803,656.
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Harshaw, William A., II. Method of verifying the authenticity of a document and identifiable document produced thereby. 3,800,142, 3-26-74, Cl. 250-337.000.

Harshbarger, Roland N.: *See*—
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Harsso Corporation: *See*—
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Hart, Alan M.: *See*—
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Hart, Arthur Clifford, Jr.: *See*—
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Hart, Bernard A., to Petro-Tex Chemical Corporation. Polymerization of 2-chlorobutadiene-1,3. 3,806,712, 4-23-74, Cl. 235-151.120.

Hart, Charles G.: *See*—
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Hart, Cornelis Maria, to U.S. Philips Corporation. Integrated circuit comprising supply polarity independent current injector. 3,829,718, 8-13-74, Cl. 307-304.000.

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Hart, Cullen P.; and Rosenberger, Paul C., to Caterpillar Tractor Company. Speed responsive locking differential. 3,788,166, 1-29-74, Cl. 74-710.500.

Hart, David Edward: *See*—
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Dilello, Carmen J.; and Hart, David K., 3,855,892.

Hart, Dennis L., to Rain Bird Sprinkler Mfg. Corporation. Quick disconnect nozzle. 3,799,453, 3-26-74, Cl. 239-600.000.

Hart, Derek James, to Thorn Electrical Industries, Limited. Tack coupling for electrical distribution tracks. 3,795,886, 3-5-74, Cl. 339-21.00r.

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Northup, Francis B.; and Hart, Donald R., 3,831,369.

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Hart, Francis Joseph, to Martin Taximeters Caust Pty Ltd. Taximeters. 3,858,030, 12-31-74, Cl. 235-30.00r.

Hart, Frederick Harry: *See*—
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Hart, Frederick Leslie: *See*—
Clark, George William Joseph; Golder, Gerald William; and Hart, Frederick Leslie, 3,782,036.

Hart, Gary A.; Kollar, Ernest P.; and Luhrs, Otto R., to International Business Machines Corporation. Apparatus for sensing relative position between head and track in transverse magnetic recording without a separate control track. 3,839,731, 10-1-74, Cl. 60-72.000.

Hart, Gary A., to International Business Machines Corporation Head to track alignment in a rotating head magnetic tape unit. 3,845,500, 10-29-74, Cl. 360-77.000

Hart, George Henry, to Pye Limited. Recording television signals. 3,824,335, 7-16-74, Cl. 178-6.60a.

Hart, H. W., Mfg. Co.: *See*—
Hart, Harold W.; and Hart, Warren H., 3,826,467.

Hart, Harold M. Display system with rapid color switching 3,840,773, 10-8-74, Cl. 315-29.000.

Hart, Harold W.; and Hart, Warren H., to Hart, H. W., Mfg. Co. Extendible watering system for fowls. 3,826,467, 7-30-74, Cl. 251-284.000.

Hart, Herbert J., to Schlumberger Technology Corporation. High-resolution magnetic anomaly detector for well bore piping. 3,845,381, 10-29-74, Cl. 324-34.00r.

Hart, Joel C.; and Traughber, Charles W., Jr., to British-American Tobacco Company Limited and Fishburne International, Inc. Method and apparatus for packing compressible material such as tobacco. 3,824,758, 7-23-74, Cl. 53-24.000.

Hart, Jon: *See*—
Ghougasian, John; Hart, Jon; Juliusburger, Hans Yohanan; and Lowy, Paul, 3,836,912.

Hart, Joseph L.: *See*—
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Hart, Le Roy; Salonia, Thomas R.; and Bergen, Gary R., to Emhart Corporation. Cylindrical lock set. 3,819,214, 6-25-74, Cl. 292-169.130.

Hart, Marvin L., to Minnesota Mining and Manufacturing Company. Heat resistant black fibers and fabrics derived from regenerated cellulose, containing certain heavy metals. 3,803,056, 4-9-74, Cl. 252-478.000.

Hart, Maurice W., Jr. Process for bonding fabric and other carriers to highly plasticized polyvinyl chloride using a fire-retarding adhesive. 3,814,661, 6-4-74, Cl. 161-191.000.

Hart, Peter J.; and Friedli, Hans R., to Dow Chemical Company, The. Selective process for the continuous dehydrogenation of nonaromatic hydrocarbons. 3,801,661, 4-2-74, Cl. 260-666.00a.

Hart, Porter: *See*—
Treat, Lyle G.; and Hart, Porter, 3,802,917.

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Hart, Warren H.: *See*—
Hart, Harold W.; and Hart, Warren H., 3,826,467

Hart, William H., to Electronic Reading Systems. Pattern recognition system. 3,846,755, 11-5-74, Cl. 340-146.3ae.

Hart, William Lewis: *See*—
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Hart-Carter Company: *See*—
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Harte, Richard A.; Amstutz, Edwin A.; Bigliardi, Achille M., III, and Johnson, William M., to Omicron Systems Corporation. Breath test device for organic components, including alcohol. 3,792,272, 2-12-74, Cl. 250-343.000.

Hartel, Erwin H., to Pneumo Dynamics Corporation. Main landing gear. 3,822,048, 7-2-74, Cl. 244-104.00r.

Hartel, Gunter: *See*—
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Hartenstein, Johannes Harmann, to Warner-Lambert Company. Novel Δ^4/Δ^5-dehydrocardenolides as well as process for their preparation. 3,850,906, 11-26-74, Cl. 260-210.500.
Hartenstein, Johannes Hermann; Satzinger, Gerhard; and Herrmann, Manfred Franz, to Warner-Lambert Company. Cardio-active cardenolide rhamnosides. 3,792,038, 2-12-74, Cl. 260-210.500.
Hartenstein, Johannes Hermann; and Satzinger, Gerhard, to Warner-Lambert Company. Process for the isolation of convallatoxini acetonide. 3,843,627, 10-22-74, Cl. 260-210.500.
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Hartenstein, Josef; and Nee, Monika, to Henkel & Cie GmbH. Electroplating. 3,795,594, 3-5-74, Cl. 204-55.00r.
Harter, H. Elisabet; surviving spouse of Harter, Roy S., deceased: *See*—
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Harter, Jo Ann: *See*—
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Harter, Mark A.; deceased (by Harter, Jo Ann; executrix; Frost, John R.; and Stowe, Robert A.), to Dow Chemical Company, The. Method of isomerizing butene-1 to butene-2. 3,830,870, 8-20-74, Cl. 260-683.200.
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Morton, Robert D.; and Grohoski, Edward G., 3,842,633.
Hartford, Winslow H., to Allied Chemical Corporation. Manufacture of copper dichromate and related materials. 3,824,160, 7-16-74, Cl. 204-89.000.
Hartful, David Carlton Casderbera: *See*—
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Hartgerink, Ronald L.: *See*—
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Harth, Wolfgang, to Licentia Patent-Verwaltungs-G.m.b.H. Electrical component. 3,836,990, 9-17-74, Cl. 357-6.000.
Hartig, Rufus G. Closed pond system for wet process phosphate plants. 3,793,436, 2-19-74, Cl. 423-341.000.
Hartigan, Edward G.: *See*—
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Hartigan, Edward G., to Kendall Company, The, mesne. Vented operating room gown. 3,790,964, 2-12-74, Cl. 2-114.000.
Harting, Darrell R.; and Taylor, John W., to Boeing Company, The. Demodulated resonance analysis system. 3,842,663, 10-22-74, Cl. 73-67.200.
Harting, Stephen W., to Computer Transmission Corporation. Input circuit for optical signal receiver. 3,792,256, 2-12-74, Cl. 250-199.000.
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Hartlapp, Gerhard; Haas, Hans; and Stendenbach, Karl-Heinz, to Knapsack Aktiengesellschaft. Purification of yellow phosphorus. 3,836,675, 9-17-74, Cl. 423-322.000.
Hartlaub, Jerome T., to Honeywell Inc. Stress sensor diaphragms over recessed substrates. 3,853,650, 12-10-74, Cl. 156-13.000.
Hartley, Danny L.; and Hill, Ronald A., to United States of America, Atomic Energy Commission. Light trap. 3,825,325, 7-23-74, Cl. 350-294.000.
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Hartley, Ezra D. Pump. 3,849,026, 11-19-74, Cl. 417-203.000.
Hartley, Ezra Dale. Compact reciprocating piston machine. 3,834,840, 9-10-74, Cl. 417-535.000.
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Hartline, Albert G., to Allegheny Ludlum Industries, Inc. Austenitic stainless steel. 3,820,980, 6-28-74, Cl. 75-122.000.
Hartline, Albert G., III, to Allegheny Ludlum Industries, Inc. Corrosion resistant austenitic steel. 3,847,599, 11-12-74, Cl. 75-122.000.
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Hartman, Adrian Ralph; and Schumaker, Norman Edwin, to Bell Telephone Laboratories, Incorporated. Bistable light emitting devices. 3,806,774, 4-23-74, Cl. 317-235.00r.
Hartman, Carl C. Semi-automatic packing of packages. 3,815,321, 6-11-74, Cl. 53-61.000.
Hartman, Cornelis, to Ballast-Nedam Groep N.V. Device for analysing the grain classification of a soil sample. 3,788,146, 1-29-74, Cl. 73-432.00r.
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Hartman, Francis M.: *See*—
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Hartman, Gary F., to United States of America, Navy. Digital television character generator. 3,786,481, 1-15-74, Cl. 340-324.0ad.
Hartman, Jack E.: *See*—
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Hartman, James M., to Tri Coastal Industries, Inc. Dump truck load-sensing assembly. 3,857,452, 12-31-74, Cl. 177-139.000.
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Smith, Harry E., 3,790,005.
Hartman, Paul; and Smith, Gale E., to Eastman Kodak Company. Photothermographic element composition and process. 3,782,941, 1-1-74, Cl. 96-48.0hd.
Hartman, Robert J.: *See*—
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Hartman, Rolf, to Rheinmetall G.m.b.H. Belt feeder for automatic firearms. 3,785,242, 1-15-74, Cl. 89-33.0ca.
Hartman, Thomas A. Elastomers in shear force transfer systems. 3,799,501, 3-26-74, Cl. 251-306.000.
Hartman, William R., Jr.: *See*—
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Hartman, Wyatt, to Lee, Raymond Organization, Inc., The. Screen repair machine. 3,828,832, 8-13-74, Cl. 140-109.000.
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Hartmann, Hans; Krieter, Georg-Heinz; and Mauthe, Gerhard, to BBC Brown, Boveri & Company Limited. Articulated coupling for connecting electrically conductive parts. 3,821,687, 6-28-74, Cl. 339-9.00r.
Hartmann, Heinrich; Stelter, Siegfried; and Trelewsky, Heinz-Guenter, to Braunschweigische Maschinenbauanstalt. Mobile device for reception, precleaning and piling of beets. 3,835,997, 9-17-74, Cl. 209-73.000.
Hartmann, Horst; and Stankewitz, Hans-Werner, to Leitz, Ernst GmbH. Apparatus for no-contact measurement having a multi-colored grating. 3,856,400, 12-24-74, Cl. 356-28.000.
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Hartmann, John E.; LaCamera, Alfred F.; and Lake, Peter B., to Youngstown Sheet and Tube Company. Production of ductile high strength galvanized steel. 3,825,448, 7-23-74, Cl. 148-12.100.
Hartmann, Lester M., to Chevron Research Company. Pneumatic tool lubricant. 3,801,503, 4-2-74, Cl. 252-18.000.
Hartmann, Louis, to S.A. Tefal. Non-stick coating compositions of fluorocarbon resin particles and aqueous slip of sintered glaze particles. 3,850,867, 11-26-74, Cl. 260-29.06f.
Hartmann, Ludwig, to Freudenberg, Carl. Deep-drawable plastic composite comprising plastic film on fibrous support. 3,847,729, 11-12-74, Cl. 161-256.000.
Hartmann, Ludwig A., to ICI America, Inc. Magnesium complexes of polyhydroxy compounds and their preparation. 3,803,250, 4-9-74, Cl. 260-635.00k.
Hartmann, Ludwig A., to ICI America, Inc. Method of producing tranquilization with dioxolanyl alcohols and their halogen derivatives. 3,812,261, 5-21-74, Cl. 424-278.000.
Hartmann, Manfred, to Hilti Aktiengesellschaft. Magazine or container for receiving articles such as caseless propellant charges or compacts. 3,831,739, 8-27-74, Cl. 206-2.000.
Hartmann, Otto Ernst, to Cota-Spedition International Container-Transporte GmbH & Co. Large-volume container. 3,856,174, 12-24-74, Cl. 220-1.500.
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Hartmann, Rudolf, to Bell & Howell Company. Parallax compensating camera light. 3,783,261, 1-1-74, Cl. 240-1.300.
Hartmann, Rudolf, to Bell & Howell Company. Nodal slide rangefinder. 3,784,305, 1-8-74, Cl. 356-3.000.
Hartmann, Rudolf, to Bell & Howell Company. Camera light. 3,798,668, 3-19-74, Cl. 354-149.000.
Hartmann, Rudolf; and Zimmermann, Horst, to Battelle-Institut e.V. Multi-cylinder stirling gas motor with double-acting pistons. 3,811,283, 5-21-74, Cl. 60-484.000.
Hartmann, Willy: *See*—
Heine, Hans-Georg; Fischler, Hans-Michael; and Hartmann, Willy, 3,813,432.
Hartmeister, Ruben J. Hand lever metal punch. 3,842,650, 10-22-74, Cl. 72-409.000.
Hartmeyer, John J.; and Ott, Errol J., to Ford Motor Company. Window regulator mechanism. 3,816,963, 6-18-74, Cl. 49-103.000.
Hartnek, Henry G.; Empey, Richard A.; Pettitt, David J.; and Van Winkle, Terry L., to Kelco Company. Suspension polymerization in the presence of xanthan gum. 3,852,257, 12-3-74, Cl. 260-89.5aw.
Hartnell, William John. Rapid lay building bricks. 3,824,755, 7-23-74, Cl. 52-314.000.
Hartner, Leo: *See*—
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Hartness, Thomas P.; and Hartness, Robert G. Grid set for an article loading machine. 3,788,034, 1-29-74, Cl. 53-248.000.
Hartness, Thomas P. Removing bottle caps. 3,845,605, 11-5-74, Cl. 53-3.000.
Hartness, Thomas P.; Hartness, Robert G.; and Hartness, Thomas S. Container centering device. 3,856,059, 12-24-74, Cl. 141-165.000.
Hartness, Thomas S.: *See*—
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Hartog, Frits: *See*—
Vellinga, Meindert B.; Hartog, Frits; and Von den Hoff, Johan P. H., 3,804,912.
Hartog, Michael. Vehicle leveling system. 3,857,582, 12-31-74, Cl. 280-150.500.
Hartog, Thomas J.: *See*—
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Hartshorn, Frank: *See*—
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Hartsog, Dawes Collidge, to Du Pont de Nemours, E. I., and Company. Slub yarn and method of forming a slub yarn. 3,841,078, 10-15-74, Cl. 57-139.000.
Hartsough, Albert C.: *See*—
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Hartung, Charles A., to Kennecott Copper Corporation. Gas cooler and atomizing spray nozzle thereof. 3,784,104, 1-8-74, Cl. 239-102.000.
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Hartung, Raymond E. Gas turbine automotive machine. 3,830,326, 8-20-74, Cl. 180-66.00b.
Hartung, Sigurt; Dierichs, Helmut; Muller, Wilhelm; and Schmidt, Walter, to Bayer Aktiengesellschaft. Process for the partial hydrogenation of diphenyl derivatives. 3,796,763, 3-12-74, Cl. 260-667.000.
Hartunian, Calvin A. Cleaning vehicle. 3,830,430, 8-20-74, Cl. 239-186.000.
Hartwell Corporation, The: *See*—
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Hartwell, John W.: *See*—
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Hartwell, Robert Edward, to RCA Corporation. Flowmeter. 3,820,395, 6-28-74, Cl. 73-231.00r.
Hartwich, Reinhard; Kundel, Gerhard; Lampe, Hans H.; and Rudolph, Peter, to International Business Machines Corporation. Method and system arrangement for monitoring and indicating pulse timing functions with measurable time reference. 3,818,201, 6-18-74, I. 235-151.310.
Hartwig, Ernst, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Disperse dyes of the anthraquinone series. 3,801,595, 4-2-74, Cl. 260-325.000.
Hartwig, Jurgen; Scheffler, Ulrich; and Ulrich, Klaus-Herbert, to Fried. Krupp Gesellschaft mit beschankter Haftung. Processing ores containing nickel and copper oxides. 3,849,269, 11-19-74, Cl. 204-107.000.
Hartwig, Karl; and Vossnacke, Juergen, to AGFA-Gevaert Aktiengesellschaft. Electrophotographic drying and fixing device. 3,836,322, 9-17-74, Cl. 432-59.000.
Hartwig, Ulrich: *See*—
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Hartwig, Walter J.: *See*—
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Hartwig, Walter J., to Allis-Chalmers Corporation. Stabilized side plate construction for grate conveyor. 3,782,533, 1-1-74, Cl. 198-196.000.
Hartwig, Walter J., to Allis-Chalmers Corporation. Side stripper for raveling grate conveyor. 3,811,557, 5-21-74, Cl. 198-230.000.
Hartwig, Walter J., to Allis-Chalmers Corporation. Replaceable tip for end stripper of traveling grate conveyor and end stripper having such replaceable tip. 3,815,727, 6-11-74, Cl. 198-230.000.
Hartwig, Walter J., to Allis-Chalmers Corporation. Guide means for traveling grate conveyor. 3,840,112, 10-8-74, Cl. 198-202.000.
Hartwimmer, Robert; and Weiss, Eduard, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of fluorocarbon waxes. 3,813,449, 5-28-74, Cl. 260-653.10r.
Hartwimmer, Robert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of perfluorinated compounds. 3,816,552, 6-11-74, Cl. 260-648.00f.
Hartz, Billy J. Mass transit system. 3,791,308, 2-12-74, Cl. 104-139.000.
Härtz, George R.: *See*—

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Hartz, Gerald, to Reynolds Metals Company. Method of feeding filled containers to a retort or the like. 3,812,270, 5-21-74, Cl. 426-231.000.
Hartz, Marvin E., to Essex International, Inc. Terminating of electrical conductors. 3,813,643, 5-28-74, Cl. 339-223.00s.
Hartz, Marvin E., to Essex International, Inc. Terminating of electrical conductors. 3,842,487, 10-22-74, Cl. 29-503.000.
Hartz, Walter A.: *See—*
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Hartzell, James R., to Piqua Aircraft Company. Electrically controlled governors. 3,831,615, 8-27-74, Cl. 137-53.000.
Hartzell, Lyndon G.; and Ollinger, James C., to Armstrong Cork Company. Spacer for a fire-rated air bar. 3,783,771, 1-8-74, Cl. 98-400.000.
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Haruta, Hiroshi; Mukai, Seio; and Ishibashi, Tadao, to Chisso Corporation. Process for producing shaped articles of crystalline polyolefins having a roughened surface. 3,822,333, 7-2-74, Cl. 264-179.000.
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Harvey, Donald M., to Eastman Kodak Company. Film unit. 3,793,019, 2-19-74, Cl. 96-76.00r.
Harvey, Donald M., to Eastman Kodak Company. Photographic film unit. 3,804,626, 4-16-74, Cl. 96-76.00c.
Harvey, Donald M., to Eastman Kodak Company. Film handling improvement. 3,804,627, 4-16-74, Cl. 96-76.00c.
Harvey, Douglas G.; and Holmes, John F., to Sanders Associates, Inc. Floating power plant. 3,837,308, 9-24-74, Cl. 114-.50r.
Harvey, Edgar D. Multiblade snowplow vehicle. 3,800,447, 4-2-74, Cl. 37-41.000.
Harvey, Edgar Lloyd; and Levine, Joel Martin, to Burroughs Corporation. Multiple position display panel having spurious glow suppressor. 3,849,694, 11-19-74, Cl. 313-519.000.
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Harvey, Gerald J.; and Angelari, Richard D. Universal waste disposal system. 3,843,522, 10-22-74, Cl. 210-179.000.
Harvey, Gordon Lindsay; and Dennett, Robert Lidstone, to Foster Wheeler Corporation. Method of replacing a damaged tube in a tube wall. 3,807,024, 4-30-74, Cl. 29-401.000.
Harvey, Grahame John: *See—*
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Harvey, Richard F.; and Moore, George E., to Sun Steel Treating, Inc. Case hardening super high speed steel. 3,827,923, 8-6-74, Cl. 148-31.500.
Harvey, Robert J., to Mirlin Corporation. Method for modifying sour and bitter taste. 3,849,555, 11-19-74, Cl. 424-195.000.
Harvey, Robert Joseph; and Fennell, John Richard, to Mirlex Corporation. Method of preparing taste-modifying composition. 3,824,323, 7-16-74, Cl. 426-429.000.
Harvey, Ronald William S. Raised flooring. 3,789,557, 2-5-74, Cl. 52-126.000.
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Harwick, Warren J., to Rex Chainbelt Inc. Speed control. 3,842,752, 10-22-74, Cl. 104-166.000.
Harwood, Lee M. Aquarium. 3,855,970, 12-24-74, Cl. 119-5.000.
Harwood, Mark H., to Machining Methods Industries. Electronic taximeter. 3,818,186, 6-18-74, Cl. 235-30.00r.
Harwood Mfg. Co.: *See—*
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Harwood, Robert George; and Hoover, Charles Donald, to AMP Incorporated. Latching system for an electrical connector plug and assembly. 3,842,388, 10-15-74, Cl. 339-59.00r.
Harwood, William J. Portable guide jig for hand drill. 3,809,489, 5-7-74, Cl. 408-110.000.
Harz, Hermann, to Siemens Aktiengesellschaft. Arrangement for preventing chattering and scoring of direct-current slip-ring brushes. 3,789,282, 1-29-74, Cl. 318-190.000.
Harzer, Peter; and Benzel, Karl, to Wandel & Goltermann. Oscilloscopic system to detect distortion due to transients. 3,800,184, 3-26-74, Cl. 315-26.000.
Hasada, Yoshiyasu; and Yasue, Teruo, to Kurashiki Rayon Co., Ltd. Process for preparation of organic dinitriles. 3,790,617, 2-5-74, Cl. 260-465.80d.
Hasama, Yoshifumi; and Ito, Ryoichi, to Mitsubishi Petrochemical Company Limited. Process for preparing molded polyolefin foam. 3,819,784, 6-25-74, Cl. 264-54.000.
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Haschke, Heinz; Kuzel, Peter; Bader, Erich; Kruger, Horst, Kerschner, Emil; and Hufnagel, Arnold, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Washing and cleansing composition. 3,853,781, 12-10-74, Cl. 252-132.000.
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Hase, Alfred Max. Ferroresonant voltage regulating circuit. 3,824,449, 7-16-74, Cl. 323-6.000.
Hase, Alfred Max. Storage battery charging apparatus. 3,848,173, 11-12-74, Cl. 320-23.000.
Hase, Takashi: *See—*
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Hasebe, Sukehiro, to Kabushiki Kaisha Koparu. Synchronous motor. 3,790,833, 2-5-74, Cl. 310-162.000.
Hasebe, Takefumi; and Ando, Toshiaki, to Yokogawa Electric Works, Ltd. Self-balancing instrument. 3,787,828, 1-22-74, Cl. 340-187.000.
Hasebe, Takefumi; Takizawa, Arata; and Sato, Setsuo, to Yokogawa Electric Works, Ltd. Chart drive mechanism for recorders. 3,798,659, 3-19-74, Cl. 346-136.000.
Hasegawa, Akihiko, to Ichiko Industries Limited. Lens structure for a combination signal lamp. 3,803,403, 4-9-74, Cl. 240-106.100.
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Hasegawa, Goro; Nakamoto, Soichi; and Hosoe, Kazuya, to Canon Kabushiki Kaisha. Focus detector device. 3,813,679, 5-28-74, Cl. 354-24.000.
Hasegawa, Goro; Aoyagi, Masao; and Mashimo, Yukio, to Canon Kabushiki Kaisha. Flash disabling interlock responsive to interchangeable lens selection. 3,823,411, 7-9-74, Cl. 354-33.000.
Hasegawa, Goro; Nakamoto, Soichi; Takishima, Yoshiyuki; Mashimo, Yukio, Taguchi, Tatsuya, Nakamura, Zenzo; and Taguchi, Tetsuya, to Canon Kabushiki Kaisha. Exposure setting device for flash photographing. 3,836,922, 9-17-74, Cl. 354-51.000.
Hasegawa, Goro; and Ito, Masaharu, to Canon Kabushiki Kaisha. Interchange lens attachment for single lens reflex camera. 3,858,225, 12-31-74, Cl. 354-46.000.
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Hasegawa, Masanaru; Hayashi, Yoshiki, and Matsumura, Toichi, to Matsushita Electric Industrial Co., Ltd. Electrophotographic photosensitive plate having a polyimide intermediate layer. 3,787,207, 1-22-74, Cl. 96-1.500.
Hasegawa, Minoru: *See—*
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Hastrup, Niels Erik, 1/2 to Smidth, F. L., & Co. and 1/2 to Aktieselskabet Niro Atomizer. Method of and apparatus for burning cement including atomizing dryer in cyclone preheater bypass. 3,784,389, 1-8-74, Cl. 106-100.000.
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Hata, Shun-Ichi, to Chugai Seiyaku Kabushiki Kaisha. Method for detecting cancer tissue by polarograph. 3,827,948, 8-6-74, Cl. 204-1.00t.
Hata, Toshio. Method of assembling a full type ball bearing. 3,857,148, 12-31-74, Cl. 29-148.40a.
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Hatanaka, Yoshihiro; Matono, Hirokuni; and Kawazoe, Hidenori, to Glory Kogyo Kabushiki Kaisha. Adjustable coin guide in coin processing apparatus. 3,795,253, 3-5-74, Cl. 133-3.00a.
Hatanaka, Yoshihiro; and Shigemori, Hideto, to Glory Kogyo Kabushiki Kaisha. Automatic money dispensing machine. 3,801,805, 4-2-74, Cl. 235-177.000.
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Hatcher, John C., to Cole Manufacturing Company. Agricultural planter seed plate. 3,841,522, 10-15-74, Cl. 221-265.000.
Hatcher, John C., to Cole Manufacturing Company. Agricultural planter. 3,841,529, 10-15-74, Cl. 222-177.000.
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Hatfield, Walter Bryan; and White, Donald Lawrence, to Bell Telephone Laboratories, Incorporated. Matrix-addressed liquid crystal display. 3,837,730, 9-24-74, Cl. 350-160.01c.
Hathaway, John G., to General Motors Corporation. Grommet sealing arrangement. 3,788,655, 1-29-74, Cl. 277-212.00f.
Hathcock, James S., Jr., to Coneo Inc. Warehousing system using slowdown and stop bin indicators. 3,786,929, 1-22-74, Cl. 214-16.40a.
Hathorn, George Stuart; and Cunningham, Victor Ralph, to Porvair Limited. Water vapour permeable flexible sheet materials. 3,791,997, 2-12-74, Cl. 260-2.5ay.
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Hatley, Derek J., to Donnelly Mirrors, Inc. Keyboard and digital circuit therefor. 3,803,592, 4-9-74, Cl. 340-365.00s.
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Hatsugai, Akitomi; and Ishida, Kazuyuki, to Mitsubadenkiseisakusho Co., Ltd. Wiper intermittently operating device. 3,792,405, 2-12-74, Cl. 337-140.000.
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Hatsukano, Yoshikazu; Nomiya, Kosei; and Kawagoe, Hiroto, to Hitachi, Ltd. Blanking circuit. 3,851,185, 11-26-74, Cl. 307-205.000.
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Hatton, John A., Jr.; and McNally, John S., to Koppers Company, Inc. Polymerizable unsaturated polyester resin compositions and articles made therefrom. 3,810,863, 5-14-74, Cl. 260-40.00r.
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Hatzenbuhler, Douglas Albert, to Sybron Corporation. Raman spectroscopy in the presence of fluorescence. 3,807,862, 4-30-74, Cl. 356-75.000.
Hatzmann, John F.; and Miller, Donald P., to Xerox Corporation. Automatic document handling device. 3,790,159, 2-5-74, Cl. 271-4.000.
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Haubein, Albert H., to Hercules Incorporated. Use of O,O-di-(C_1-C_2alkyl)S-[1-(C_2-C_{20}acyl) hydantoin-3-yl] methyl phosphorothioates as insecticides. 3,816,621, 6-11-74, Cl. 424-200.000.
Haubein, Albert Howard, to Hercules Incorporated. Certain 0-(2-pyrimidyl) phosphates and their use as insecticides. 3,823,235, 7-9-74, Cl. 424-200.000.
Haubein, Harold Denis, to Chance, A. B., Company. Tamper resistant, lockable enclosure apparatus for transformers and the like. 3,784,727, 1-8-74, Cl. 174-52.00r.
Hauber, Ferdinand R., to Brown & Root, Inc. Method for handling a barge for transferring large heavy cargo modules. 3,790,009, 2-5-74, Cl. 214-152.000.
Hauck, Albert. Product handling apparatus. 3,850,204, 11-26-74, Cl. 140-2.000.
Hauck, Erwin A.; Lyle, Don M.; and Wollum, James E., to Burroughs Corporation. Multiprocessing system having means for automatic resource management. 3,787,816, 1-22-74, Cl. 340-172.500.
Hauck, Erwin A.; Birchmeier, Hans P.; and Kim, Dongsung R., to Burroughs Corporation. Multiprocessing system having means for partitioning into independent processing subsystems. 3,812,469, 5-21-74, Cl. 340-172.500.
Hauck, Franz; and Poppel, Joachim, to Bosch, Robert, G.m.b.H. Automotive engine exhaust gas composition sensing apparatus. 3,822,581, 7-9-74, Cl. 73-23.000.
Hauck, Frederic Peter; and Cimarusti, Christopher Michael, to Squibb, E. R., & Sons, Inc. Tricyclic phenoxy aminopropanols. 3,856,818, 12-24-74, Cl. 260-340.500.
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Havlas, Jiri; Kostelecky, Premysl; and Sedlarik, Jaroslav, to Elitex, Zarody Textilniko Strojirenstvi generalni. Method of controlling the knotting procedure in textile machines, particularly automatic winding machines and pneumatic circuit for performing aid method. 3,834,634, 9-10-74, Cl. 242-35.60r.

Havlik, John J.; Towell, Billy H.; and Shaub, Kenneth D., to Texaco Inc. Seismic pneumatic energy pulse generators for attenuating secondary pulses. 3,805,914, 4-23-74, Cl. 181-.50h.

Havranek, Milan; and Musil, Ivan. Method and apparatus for forming loops in circular knitting machines. 3,837,185, 9-24-74, Cl. 66-107.000.

Havranek, Zdenek; Jiskra, Miroslav; Kubovy, Miroslav; Stary, Josef; and Vierikova, Vera, to Vyzjumny Ustav Bavlnarsky. Strand twisting arrangement for an open-ended yarn spinning system. 3,834,147, 9-10-74, Cl. 57-58.890.

Havstad, Harold R., to Hudson Oxygen Therapy Sales Company. Cope apparatus for molding nasal cannulae. 3,814,373, 6-4-74, Cl. 249-176.000.

Havstad, Harold R.; and Deidrich, Donald F., to Hudson Oxygen Therapy Sales Company. Intermitten positive pressure breathing manifold. 3,826,255, 7-30-74, Cl. 128-194.000.

Havstad, Harold R., to Hudson Oxygen Therapy Sales Company. Method for molding a nasal cannula. 3,827,926, 8-6-74, Cl. 156-242.000.

Haward, Robert N.: *See—*
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Hawes, Edward M. Soil tester. 3,797,301, 3-19-74, Cl. 73-84.000.

Hawes, Roland J., Jr.: *See—*
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Hawes, Roland J., Jr.; and Brewster, Sherman H., said Brewster assor. to said Hawes, Roland J., Jr. Method and means for adding small measured quantities of selected materials to a large capacity material-mixing plant. 3,822,056, 7-2-74, Cl. 259-25.000.

Hawk, Bob R., to Loma Corporation. Container with bag-liner locking rim. 3,784,049, 1-8-74, Cl. 220-63.000.

Hawk, Gary D., to Harding Development Company. Self-standing paint roller. 3,832,749, 9-3-74, Cl. 15-230.110.

Hawke, Earle G., to Mason Company, The. Pressure sensitive device for operating a switch or the like. 3,848,517, 11-19-74, Cl. 92-101.000.

Hawken, Kenneth William, to Tektronix, Inc. Side-by-side dual gun CRT having horizontal deflector plates provided with side shields for correction of geometric distortion. 3,819,984, 6-25-74, Cl. 315-27.0gd.

Hawker Siddeley Aviation Limited: *See—*
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Laws, Arthur Ernest, 3,819,940.

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Voice, Ernest Wallace; and Hawkes, David Alec, 3,814,596.

Hawkes, George R.; Hodgson, Clive; Reed, Marion G.; and Toland, William G., to Chevron Research Company. Noncaking fertilizers. 3,852,055, 12-3-74, Cl. 71-59.000.

Hawkes, Ralph O.: *See—*
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Hawkins, Arthur Ernest; and Evans, Jerlmy Reginald, to Lever Brothers Company. Process for preparing a restructured meat product. 3,793,466, 2-19-74, Cl. 426-274.000.

Hawkins, Brian Desmond: *See—*
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Hawkins, Carl J., to Rowe Industries; division of Coleman Cable & Wire Company. Means for molding articles of thermoplastic sheet materials. 3,830,616, 8-20-74, Cl. 425-384.000.

Hawkins, Cecil R.: *See—*
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Hawkins, Charles T., to PPG Industries, Inc. Reciprocating device having vibration reducing means. 3,796,184, 3-12-74, Cl 118-323.000.

Hawkins, Curtis Owen, to Du Pont de Nemours, E. I., and Company. Method. 3,834,251, 9-10-74, Cl. 76-107.00s.

Hawkins, Donald B. Latch assembly. 3,850,463, 11-26-74, Cl. 292-67.000.

Hawkins, Edward J. Desiccating cartridge for firearm barrels. 3,849,923, 11-26-74, Cl. 42-1.00n.

Hawkins, Francis, to Newport Instruments Limited. Checking and calibration of apparatus incorporating a resonant circuit. 3,792,345, 2-12-74, Cl. 324-.50r.

Hawkins, Harold R. Oil well tooling positioning apparatus and method. 3,840,970, 10-15-74, Cl. 29-406.000.

Hawkins, Howard C.; and Engstrom, Arthur B., to Hazel Park Schwinn Cycle Center, Inc. Bag carrier for bicycles. 3,853,253, 12-10-74, Cl. 224-39.000.

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Hawkins, Robert D. System for driving heat motor. 3,788,064, 1-29-74, Cl. 60-36.000.

Hawkins, Robert S.: *See—*
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Hawkins, Ronald G., to Aluminum Company of America. Tension connector assembly for cable and the like. 3,829,825, 8-13-74, Cl. 339-242.000.

Hawkins, Roy I., to Hawkins Mfg., Inc. Agricultural dry chemical underground applicator tool combination. 3,815,528, 6-11-74, Cl. 111-85.000.

Hawkins, Royal R., to Honeywell Inc. Vehicle steering control system. 3,848,690, 11-19-74, Cl. 180-6.480.

Hawley, Charles V., to Xerox Corporation. Gear drive for electrophotographic printing machine. 3,844,179, 10-29-74, Cl. 74-409.000.

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Hawley, George Thomas, to Bell Telephone Laboratories, Incorporated. Light coupled loop current detector. 3,819,866, 6-25-74, Cl. 179-16.0aa.
Hawley, Jack S. Oil well tool for measuring percent oil. 3,792,347, 2-12-74, Cl. 324-30.00r.
Hawley Manufacturing Corporation: *See*—
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Hawley, Margaret Grant, to Smith Kline Corporation. Display device. 3,848,348, 11-19-74, Cl. 40-64.00r.
Hawley, Richard. Combination drill and counterbore. 3,838,937, 10-1-74, Cl. 408-193.000.
Hawley, Robert L., to Ralston Purina Company. Non-isoelectric protein. 3,830,942, 8-20-74, Cl. 426-190.000.
Hawley, Robert Lyle, to Ralston Purina Company. Method for centering solid bodies within a coagulable liquid. 3,798,336, 3-19-74, Cl. 426-279.000.
Hawley, Robert Lyle, to Ralston Purina Company. Method of forming a packaged egg product. 3,843,825, 10-22-74, Cl. 426-393.000.
Hawley, Royal T.; and Hollytr, Richard S., to Western Gear Corporation. Drill string heave compensator and latching apparatus. 3,834,672, 9-10-74, Cl. 254-172.000.
Hawley, Wilbur W.: *See*—
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Haworth, Gordon R.; Edmond, Tibor O.; and Poundstone, William N., to Continental Oil Company. Drill hole guidance system. 3,823,787, 7-16-74, Cl. 175-24.000.
Haworth, Lionel, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Rotors for gas turbine engines. 3,799,698, 3-26-74, Cl. 416-204.000.
Hawrylo, Frank Zygmunt: *See*—
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Hawrylo, Frank Zygmunt; and Pankove, Jacques Isaac, to RCA Corporation. Method of epitaxially depositing gallium nitride from the liquid phase. 3,811,963, 5-21-74, Cl. 148-172.000.
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Rhudy, John S.; and Haws, Gerald W., 3,842,909.
Haws, Melburn W., to Armour and Company. Method and apparatus for removing hides from animal carcasses. 3,815,177, 6-11-74, Cl. 17-50.000.
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Hawthorne, Vaughn I.; and Lundstrom, Ronald H., to Keystone Industries, Inc. Coupler centering draft gear. 3,788,493, 1-29-74, Cl. 213-20.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Mounting arrangement for the cushioning unit return spring assembly of an end-of-car railway cushioning device. 3,791,531, 2-12-74, Cl. 213-8.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Stop means for railway impact absorbing device. 3,799,359, 3-26-74, Cl. 213-8.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. End of car cushioning device for railway car. 3,800,961, 4-2-74, Cl. 213-8.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Combined stop and support arrangement for the end of the return spring assembly of a railway vehicle cushioning unit. 3,822,021, 7-2-74, Cl. 213-8.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Draft gear assembly for locomotives and the like. 3,831,775, 8-27-74, Cl. 213-43.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Draft gear pocket adapter. 3,836,013, 9-17-74, Cl. 213-54.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. End of car cushioning device. 3,841,496, 10-15-74, Cl. 213-43.000.
Hawthorne, Vaughn T., to Keystone Industries, Inc. Filling means for an impact absorbing device. 3,851,768, 12-3-74, Cl. 213-43.000.
Hawthorne, Vaugn T., to Keystone Industries, Inc. Return spring unit for a railway car. 3,814,266, 6-4-74, Cl. 213-8.000.
Hay, Allan S.; and Relles, Howard M., to General Electric Company. Method for making aromatic hydrocarbon polymers and products produced thereby. 3,810,879, 5-14-74, Cl. 260-93.50r.
Hay, Charles N., to General Motors Corporation. Self-adjusting thrust bearing assembly. 3,826,546, 7-30-74, Cl. 308-234.000.
Hay, Charles N., to General Motors Corporation. Pressure vessel fill and bleed valve assembly. 3,856,186, 12-24-74, Cl. 222-402.160.
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Hay, Warren H., to GTE Sylvania Incorporated. Method of coating photoflash lamp. 3,832,257, 8-27-74, Cl. 156-198.000.
Hay, Wayne W., to Airco, Inc. Anesthesia ventilator apparatus. 3,841,327, 10-15-74, Cl. 128-188.000.
Hay, William C. Waste water purification system. 3,846,296, 11-5-74, Cl. 210-27.000.
Hay, William D., to Unit Process Assemblies, Inc. Supporting device. 3,786,686, 1-22-74, Cl. 74-33.000.
Hay, William J., Jr., to PPG Industries, Inc. Combined stain retardent and separator interleaving material for glass sheets. 3,798,112, 3-19-74, Cl. 161-162.000.
Hayafune, Yukio, to Tsukishima Kikai Co., Ltd. Main valve for rotary filters. 3,823,830, 7-16-74, Cl. 210-330.000.
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Hayakawa, Kyohei; Maeda, Hiroshi; and Habara, Noritada, to Mitsubishi Jukogyo Kabushiki Kaisha. Circuit for confirming positioning operation. 3,805,169, 4-16-74, Cl. 328-71.000.
Hayakawa, Masaya; Harada, Iki; and Yamagami, Fumiyoshi, to Bridgestone Tire Company Limited. Conveyor cover assembly. 3,856,135, 12-24-74, Cl. 198-204.000.
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Hayakawa, Yoshihide; and Satomura, Masato, to Fuji Photo Film Co., Ltd. Process for the formation of image polymers. 3,782,943, 1-1-74, Cl. 96-48.00r.
Hayakawa, Yoshihide; and Satomura, Masato, to Fuji Photo Film Co., Ltd. Process for the polymerization of vinyl compound. 3,782,944, 1-1-74, Cl. 96-48.00r.
Hayakawa, Yoshihide; and Satomura, Masato, to Fuji Photo Film Co., Ltd. Process for the formation of polymer images. 3,790,378, 2-5-74, Cl. 96-48.00r.
Hayakawa, Yoshihiro: *See*—
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Hayakawa, Zenro, to Tokyo Standard Serams, Ltd. Method for the production of anti-australia antigen antiserum. 3,830,909, 8-20-74, Cl. 424-12.000.
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Hayasaka, Akio; and Taniguchi, Kenji, to Hitachi, Ltd. Semiconductor device and a method for fabricating the same. 3,795,553, 3-5-74, Cl. 148-187.000.
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Hayase, Shunichiro; Shima, Seiya; Ando, Takeki; Kuroha, Hiroaki; and Kurosawa, Toshiaki, to Hitachi, Ltd. Device for controlling speed of DC motor. 3,826,961, 7-30-74, Cl. 318-308.000.
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Hayashi, Hiroyuki, to Sony Corporation. Video signal reproducing system. 3,798,364, 3-19-74, Cl. 178-6.6dc.
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Hayashi, Izuo, to Bell Telephone Laboratories, Incorporated. Spontaneously emitting hetero-structure junction diodes. 3,812,516, 5-21-74, Cl. 357-16.000.
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Hayashi, Katsumi; Ohi, Reiichi; and Shishido, Tadao, to Fuji Photo Film Co., Ltd. Viscous developing liquid for use in a silver salt diffusion transfer process. 3,833,372, 9-3-74, Cl. 96-29.00r.
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Hayashi, Katsumi, to Lubrizol Corporation, The. Derivatives of thia-bisaldehydes. 3,839,438, 10-1-74, Cl. 260-535.00r.
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Hayashi, Keizo, to Tokyo Rokuon Kogyo Kabushiki Kaisha. Automatic telephone recorder controlling device sensitive to calling subscriber interruption of service. 3,801,744, 4-2-74, Cl. 179-6.00r.
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Hayashi, Kiyoshige; Kawasaki, Akihiro; and Maruyama, Isao, to Maruzen Petrochemical Co., Ltd. Process for preparing a copolymer of a conjugated diene and ethylene. 3,824,223, 7-16-74, Cl. 260-85.30r.
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Hayashi, Masaki; and Ishihara, Atsunobu, to Ono Pharmaceutical Co., Ltd. Clathrate compounds of prostaglandins or their analogues with cyclodexrin. 3,816,393, 6-11-74, Cl. 260-209.00r.
Hayashi, Masaki; and Miyake, Hajimu, to Ono Pharmaceutical Co., Ltd. W-carbohydroxyalkyl esters of prostaglandins. 3,857,831, 12-31-74, Cl. 260-209.00r.
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Hayashi, Torahiko. Process for the continuous production of multi-layered food material. 3,821,452, 6-28-74, Cl. 426-502.000.
Hayashi, Torahiko. Bakery flexible belt carrying plate. 3,844,402, 10-29-74, Cl. 198-99.000.
Hayashi Toshikazu. Ventilation fan system with smoke detector speed control. 3,826,180, 7-30-74, Cl. 98-43.000.
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Hayashi, Tsunekazu: *See*—
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Hayashi, Yasuo; and Adachi, Yoshiaki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process of the manufacture of dialkyltin oxide. 3,813,424, 5-28-74, Cl. 260-429.700.
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Hayashi, Yoshimasa, to Nissan Motor Company, Limited. Secondary air regulating system for automotive internal combustion engine. 3,791,146, 2-12-74, Cl. 60-289.000.
Hayashi, Yoshimasa, to Nissan Motor Company, Limited. Exhaust gas recirculation system for an internal combustion engine. 3,796,049, 3-12-74, Cl. 60-278.000.
Hayashi, Yoshimasa, to Nissan Motor Company Limited. Device for supplying supplementary fuel to a catalytic engine exhaust cleaner. 3,827,238, 8-6-74, Cl. 60-286.000.
Hayashi, Yukitaka, to Hitachi, Ltd. Method and device for detecting signals from magnetic memory. 3,840,892, 10-8-74, Cl. 360-53.000.
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Hayashida, Hidenori; and Nakahara, Ryoji. Non-poisonous zinc plating baths. 3,787,296, 1-22-74, Cl. 204-55.00r.
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Hayden, Richard Earle; and Chanaud, Robert Charles, to Bolt, Beranek and Newman, Inc. Foil structures with reduced sound generation. 3,853,428, 12-10-74, Cl. 416-231.000.
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Hayden, Roy E., to SWF Plywood Company. Apparatus for laying up plywood panels. 3,785,508, 1-15-74, Cl. 214-6.00m.
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Hayes, Edward O., 50% to Stoltz, James L. Foam generator. 3,801,015, 4-2-74, Cl. 239-175.000.
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Hayes, Gerald L., to Allis-Chalmers Corporation. Thrust adjusting mechanism for hydraulic turbine wicket gates. 3,791,761, 2-12-74, Cl. 415-163.000.
Hayes, Harold B., to Lilly, Eli, and Company. Process for 7-aminocephalosporanic acid. 3,813,389, 5-28-74, Cl. 260-243.00c.

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Hayes, John C., to Universal Oil Products Company. Regeneration of a coke-deactivated catalyst comprising a combination of platinum, tin and halogen with a porous carrier material. 3,803,052, 4-9-74, Cl. 252-415.000.
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Hayes, John C., to Universal Oil Products Company. Continuous low pressure catalytic reforming process. 3,806,447, 4-23-74, Cl. 208-139.000.
Hayes, John C.; and Sobel, Jay E., to Universal Oil Products Company. Making alumina fibers from a mixture of alumina sol and hexamethylenetetramine. 3,814,782, 6-4-74, Cl. 264-63.000.
Hayes, John C., to Universal Oil Products Company. Hydrocarbon conversion with a catalytic composite of palladium, iridium and halogen. 3,839,192, 10-1-74, Cl. 208-139.000.
Hayes, John C., to Universal Oil Products Company. Hydrocarbon conversion with a trimetallic catalytic composite. 3,839,193, 10-1-74, Cl. 208-139.000.
Hayes, John C., to Universal Oil Products Company. Multicomponent dehydrogenation catalyst containing platinum, iridium, alkali or alkaline earth metal oxide, and sulfur. 3,843,560, 10-22-74, Cl. 252-439.000.
Hayes, John C., to Universal Oil Products Company. Trimetallic catalytic composite and uses thereof. 3,846,282, 11-5-74, Cl. 208-139.000.
Hayes, John C., to Universal Oil Products Company. Dehydrogenation with a nonacidic multimetallic catalyst. 3,856,870, 12-24-74, Cl. 260-668.00d.
Hayes, John T., Jr.: *See*—
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Hayes, Lester P., to Staley, A. E., Manufacturing Company. Thinning and saccharification of starch pastes with glucoamylase. 3,806,415, 4-23-74, Cl. 195-31.00r.
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Haynes, Freddie J. Chock. 3,811,536, 5-21-74, Cl. 188-32.000.
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Haynes, Royce; and Walsh, Kenneth A., to United States of America, Health, Education and Welfare, mesne. Insolubilized biologically active enzymes. 3,796,634, 3-12-74, Cl. 195-63.000.
Haynes, Stewart, Jr., to Texaco Inc. Secondary oil recovery. 3,805,892, 4-23-74, Cl. 166-245.000.
Haynie, Jack J.; Roland, David H.; and Simpson, Torrence, Jr., to Jones, J. A., Construction Company. Extendible boom and mast trailer. 3,801,132, 4-2-74, Cl. 280-404.000.
Haynos, Joseph G., to Communications Satellite Corporation. Mechanically interlaced and electrically interconnected silicon solar cells. 3,819,417, 6-25-74, Cl. 136-89.000.
Haynos, Joseph Gabrial, to Communications Satellite Corporation. Solar cell array. 3,849,880, 11-26-74, Cl. 29-626.000.
Hayo, Frank J., to Metrophysics, Inc. Near field target discrimination and intrusion detection system. 3,815,130, 6-4-74, Cl. 343-5.0pd.
Hayre, Harbhajan S. Fluid pollution monitoring apparatus and method. 3,791,200, 2-12-74, Cl. 73-67.100.
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Hays, Gordon W.; and Hollenton, Frank, to AMF Incorporated. Device for stretching a sheet or strip of material. 3,800,807, 4-2-74, Cl. 131-147.00r.
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stepping motor and exciter apparatus therefor. 3,809,989, 5-7-74, Cl. 318r696.000.
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Hayward, Pierre P. Process for the regulation of the flow in conduits. 3,844,673, 10-29-74, Cl. 415-1.000.
Hayward, Robert D.; Chapman, James E.; and Ray, Stanley R., to Gilbert Engineering Company, Inc. Tamper-resistant cable terminator. 3,845,454, 10-29-74, Cl. 339-85.000.
Hayward, Robert D.; and Chapman, James E., to Gilbert Engineering Company, Inc. Cable connector apparatus. 3,847,463, 11-12-74, Cl. 339-8.00p.
Hayward, William Herbert, to Cutler-Hammer, Inc. Electrical contact attachment. 3,855,558, 12-17-74, Cl. 335-132.000.
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Hazaka, Yuji: *See—*
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Hazan, Jean-Pierre: *See—*
Donjon, Jacques; Hazan, Jean-Pierre; and Marie, Gerard Joseph Marcel, 3,792,259.
Hazar, James M. Prosthetic denture and method. 3,839,796, 10-8-74, Cl. 32-2.000.
Hazard, Richard: *See—*
Cairns, Hugh; and Hazard, Richard, 3,804,857.
Hazard, Robert E., to Polytop Corporation. Child resistant deformable closure. 3,784,060, 1-8-74, Cl. 222-153.000.
Hazard, Robert E., to Polytop Corporation. Child-resistant closures with limited spout accessibility. 3,851,805, 12-3-74, Cl. 222-534.000.
Hazbun, Eddy A.: *See—*
Bortnick, Newman M.; White, James W.; and Hazbun, Eddy A., 3,852,387.
Hazel J. Frederic: *See—*
Jones, Susan B.; Kalan, Edwin B.; Jones, Thomas C.; and Hazel J. Frederic, 3,823,127.
Hazel, John O., to Robertson, H. H., Company. Reversible trim strip with attached gasket for an underfloor electrical cable trench. 3,848,379, 11-19-74, Cl. 52-221.000.
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Hawkins, Howard C.; and Engstrom, Arthur B., 3,853,253.
Hazelett, Earl T., Jr., to Continental Homes, Inc. Method for forming a flanged concrete panel having a planer central section. 3,789,102, 1-29-74, Cl. 264-295.000.
Hazelett, Richard: *See—*
Hazelett, Robert William; Hazelett, Richard; and Wood, John Frederick Barry, 3,785,428.
Hazelett, Robert William; Hazelett, Richard; and Wood, John Frederick Barry, to Hazelett Strip-Casting Corporation. Wheel-belt continuous casting machine. 3,785,428, 1-15-74, Cl. 164-278.000.
Hazelett, Robert William; and Carmichael, Robert J., to Hazelett Strip-Casting Corporation. Twin-belt metal casting machine having removable core assembly including coolant applicators and backup rollers. 3,828,841, 8-13-74, Cl. 164-278.000.
Hazelett, Robert William; Wood, John Frederick Barry; and Carmichael, Robert J., to Hazelett Strip-Casting Corporation. Carriage orientation and lift system for a twin belt continuous metal casting machine. 3,848,658, 11-19-74, Cl. 164-278.000.
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Hazeley, James E., to Armstrong Cork Company. Ceiling system suspension clip and runner. 3,809,358, 5-7-74, Cl. 248-317.000.
Hazelhurst, Gerald D., to Mark Products, Inc. Seismic cable assembly. 3,786,410, 1-15-74, Cl. 340-17.000.
Hazeltine Corporation: *See—*
Baurle, Herbert F.; and Masak, Raymond J., 3,798,645.
Giannini, Richard J., 3,816,830.
Masak, Raymond J.; and Baurle, Herbert F., 3,858,218.
Page, Charles E., 3,800,075.
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Wheeler, Harold A., 3,836,977.
Hazeltine Research, Inc.: *See—*
Loughlin, Bernard D.; and Page, Charles E., 3,838,444.
Loughlin, Bernard D., 3,842,196.
Sideris, Sotirios I., 3,806,637.
Hazelwood, Gene B.; and Harris, Howard C. Method for forming a masonry wall panel. 3,822,336, 7-2-74, Cl. 264-261.000.
Hazemag Hartzerkleinerungs und Zement-Maschinenbau Gesellschaft m.b.H.: *See—*
Koenig, Rolf; and Hemesath, Gerhard, 3,784,117.
Hazemag Hartzerkleinerungs- und Zement-Maschinenbau Gesellschaft m.b.H.: *See—*
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Hazen, Thamon E., said Hazen assor. to Iowa State University Research Foundation Inc. Dosing syphon. 3,797,513, 3-19-74, Cl. 137-132.000.
Hazen, Thamon E.; and Miner, John R., to Iowa State University Research Foundation, Inc. Ribbed floor and method of waste removal. 3,848,568, 11-19-74, Cl. 119-28.000.
Hazen, Wayne C.; and Hadzeriga, Pablo, to Molybdenum Corporation of America. Separating metal values by selective extraction. 3,857,919, 12-31-74, Cl. 423-9.000.
Hazenbosch, Edwin Hendrik; and Poot, Albert Lucien, to Agfa-Gevaert N.V. Photographic process for the production of colloid relief patterns. 3,833,373, 9-3-74, Cl. 96-35.000.
Hazlett, Lester H.: *See—*
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Hazlewood, Ronald D., to Vacu-Blast Corporation. Shot cleaning machine. 3,797,174, 3-19-74, Cl. 51-9.000.
Hazuka, Raymond W.; and Thompson, Dorman N., Jr., to Minnesota Mining and Manufacturing Company. Adhesive applicator. 3,839,127, 10-1-74, Cl. 156-540.000.
Hazy, Andrew C.; Shirey, John E.; and Ramins, Lothar, to Horizons Incorporated; a division of Horizons Research Incorporated. Storage stability of nonsilver photosensitive systems by incorporating therein certain organic N-oxides. 3,827,887, 8-6-74, Cl. 9648.0qp.
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Hazzard, Noel D., to Air Preheater Company, Inc., The. Recirculation of gases generated in ash pit. 3,810,431, 5-14-74, Cl. 110-8.00a.
HB2 Inc.: *See—*
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HC Products Co.: *See—*
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Kuhnlein, Hans L., 3,831,560.
Hea Rehab AB: *See—*
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Head, Clarence M., Jr.: *See—*

Bailey, John C., Jr.; Head, Clarence M., Jr.; and Phillips, Clarence W., 3,803,279.
Head, Victor P., to Fischer & Porter Company. Tag-sensing flowmeters. 3,813,939, 6-4-74, Cl. 73-194.00e.
Headle, Herbert W., Jr., to United States of America, Navy. Angle solver plot board. 3,852,886, 12-10-74, Cl. 33-76.000.
Heady, Robert E.: *See—*
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Heady, Robert E.; and Jacaway, William A., Jr., to CPC International, Inc. Process for the production of levulose-bearing syrups. 3,847,740, 11-12-74, Cl. 195-31.00f.
Heady, Robert E.; and Jacaway, William A., Jr., to CPC International Inc. Temperature-programmed process for the production of levulose-bearing syrups. 3,847,741, 11-12-74, Cl. 195-31.00f.
Heady, Robert Edward, to CPC International Inc. Preparing pullulanase enzyme. 3,806,419, 4-23-74, Cl. 195-66.00r.
Heald, David L.; and Holm-Kennedy, James W., to University of California, The Regents of the. Switching transistor with memory. 3,821,784, 6-28-74, Cl. 357-63.000.
Heald Machine Company, The: *See—*
Hohler, Frederick A.; and Wlodyka, Edmund E., 3,842,543.
Heald, Walter R., to United States of America, Atomic Energy Commission. Radial spline guide bearing assembly. 3,805,552, 4-23-74, Cl. 64-23.000.
Healey, Arthur Stephen. Building block. 3,834,100, 9-10-74, Cl. 52-309.000.
Healey, Daniel J., III; and Driscoll, Michael M., to Westinghouse Electric Corporation. Low noise VHF crystal harmonic oscillator. 3,836,873, 9-17-74, Cl. 331-116.00r.
Healey, Robert A., to International Business Machines Corporation. Stack machanism for a data processor. 3,810,117, 5-7-74, Cl. 340-172.500.
Health Products, Inc.: *See—*
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Health Technology Labs, Inc.: *See—*
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Health-Mor Inc.: *See—*
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Magee, Ellington M.; and Healy, Frank J., 3,843,518.
Healy, Gerald S., to Meyer Industries, Inc. Portable safety clamp. 3,852,943, 12-10-74, Cl. 24-134.00r.
Healy, James Joyn: *See—*
Colgan, Joseph Dennis; and Healy, James Joyn, 3,840,472.
Healy, James W., to Automatic Systems, Inc. Fluid dispenser control system. 3,823,751, 7-16-74, Cl. 141-198.000.
Healy, Lawrence W.; Wang, Wu Lan; and Gross, Joseph I., to Tenneco Chemicals, Inc. Method of preparation of a supple sheet composition. 3,824,142, 7-16-74, Cl. 156-148.000.
Healy, Lawrence William: *See—*
Buff, Fred; Gross, Joseph Isadore; and Healy, Lawrence William, 3,793,414.
Healy, Robert M.; and Hovey, Ralph J. Method and apparatus for fabricating selectively plated electrical contacts. 3,791,938, 2-12-74, Cl. 204-15.000.
Healy, Robert M.; and Hovey, Ralph J., to Bunker Ramo Corporation. Method for fabricating selectively plated electrical contacts. 3,797,108, 3-19-74, Cl. 29-630.00c.
Heaney, Donald F., to Dravo Corporation. Activated sewage plant and process. 3,835,038, 9-10-74, Cl. 210-4.000.
Heaney, Paul R., to Eastman Kodak Company. Exposure control device for a photographic camera. 3,858,224, 12-31-74, Cl. 354-42.000.
Heanue, Paul T., to Lipe Rollway Corporation. Bar excursion controller. 3,787,914, 1-29-74, Cl. 10-162.500.
Heanue, Paul T., to Lipe Rollway Corporation. Bar replenishing system. 3,817,404, 6-18-74, Cl. 214-1.500.
Heap, Alec John, to Lucas Electrical Company, Limited, The. Switch with diaphragm formed of flexible compressible material containing discrete electrically conductive particles which make and break the circuit. 3,793,495, 2-19-74, Cl. 200-83.00b.
Heap, Alec John, to Lucas, Joseph, (Electrical) Limited. Automotive rotary switch with intermediate time delay means biasing a contact in non-operative position. 3,819,883, 6-25-74, Cl. 200-11.00j.
Heap, Harrison; Coats, Robert Reid; and Greenway, John Michael, to Imperial Chemical Industries Limited. Threadable yarn treatment tube. 3,822,539, 7-9-74, Cl. 57-34.00r.
Heap, Harry Rodney; and Riley, Colin Charles, to English Electric Company Limited, The. Method of brazing. 3,813,759, 6-4-74, Cl. 29-472.700.
Heap, James C., to Thrall Car Manufacturing Company. Rapid discharging hopper car door actuating mechanism. 3,815,514, 6-11-74, Cl. 105-240.000.
Heap, James C., to Thrall Car Manufacturing Company. Rapid discharging hopper car door actuating mechanisms. 3,818,842, 6-25-74, Cl. 105-240.000.
Heaphy, Clifford John. Oral hypoglycemic aminophenylsulfonylhydrocarbylbiguanides. 3,852,353, 12-3-74, Cl. 260-564.00b.
Hear-Muffs, Inc.: *See—*
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Heard, James L.; Opittek, Eugene W.; and Rands, Larry G., to Hughes Aircraft Company. Target motion compensator. 3,798,425, 3-19-74, Cl. 235-150.270.
Heard, James L.; Hoffman, William C.; and Opittek, Eugene W., to Hughes Aircraft Company. Digital scan converter. 3,810,174, 5-7-74, Cl. 343-5.0dp.
Heard, James L.; Hoffman, William C.; Opittek, Eugene W.; and Wolfson, Gerald, to Hughes Aircraft Company. Coordinate store digital scan converter. 3,838,420, 9-24-74, Cl. 343-5.0sc.
Heard, Jeffery Gerald, to English Electric Company Limited, The. Alternating current dynamo electric machines. 3,829,723, 8-13-74, Cl. 310-54.000.
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Hearn, Daniel P., to Atlantic Richfield Company. Airborn magnetic survey system using two optical magnetometers alternately switched to align with the field during the survey. 3,818,322, 6-18-74, Cl. 324-.50r.
Hearn, Daniel P.; and Perkins, Thomas K., to Atlantic Richfield Company. Method and apparatus for monitoring the sand concentration in a flowing well. 3,854,323, 12-17-74, Cl. 73-61.00r.
Hearn, Richard; d/b/a Grossman Brush Chemical Co.: *See—*
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Hearn, Robert Renner, to Creators Limited. Decorative trim strips. 3,811,989, 5-21-74, Cl. 161-5.000.
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Heater,Charles P.; and Heater, Charles P. Textile folding apparatus. 3,828,989, 8-13-74, Cl. 223-37.000.
Heath, Arthur R. Vibration-damping system. 3,827,530, 8-6-74, Cl. 181-33.00a.
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Wirth, Joseph G.; and Heath, Darrell R., 3,838,097.
Heath, Darrell R.; and Wirth, Joseph G., to General Electric Company. Process for making aryloxy derivatives of aromatic diesters and dinitriles. 3,787,475, 1-22-74, Cl. 260-465.00f.
Heath, Darrell R.; and Wirth, Joseph G., to General Electric Company. Polyetherimides. 3,847,867, 11-12-74, Cl. 260-47.0cp.
Heath, Darrell R.; and Wirth, Joseph G., to General Electric Company. Polyetherquinoxalines. 3,852,244, 12-3-74, Cl. 260-50.000.
Heath, Donald L.: *See—*
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Heath, George E., to Infra-Ray Division Solaronics, Inc. Radiation-convection heating system. 3,825,406, 7-23-74, Cl. 432-175.000.
Heath, Gerald. Mud flap. 3,822,897, 7-9-74, Cl. 280-154.50r.
Heath, John S.: *See—*
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Heath, Joseph W., Jr., to United Aircraft Corporation. Locking device. 3,807,774, 4-30-74, Cl. 285-87.000.
Heath, Robert A.; and Martoia, Ronald J., to Tenneco Inc. Exhaust system. 3,794,138, 2-26-74, Cl. 181-48.000.
Heath, Robert Boyson, to Rainsford Metal Products Proprietary Limited. Take-up spool latch. 3,834,646, 9-10-74, Cl. 242-107.700.
Heath, Ronald Alfred: *See—*
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Heathwaite, Hewart H.; and Mead, Robert H., to Borg-Warner Corporation. Drive system. 3,828,620, 8-13-74, Cl. 74-242.15b.
Heaton, Clifford C.: *See—*
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Heaton, Joe. Simulated vehicle. 3,815,260, 6-11-74, Cl. 35-11.000.
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Heatshield Research and Development Pty. Ltd.: *See—*
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Heaven, Malcolm Dennis, to Raychem Corporation. Method of applying guide element cover. 3,805,362, 4-23-74, Cl. 29-417.000.
Hebbecker, Rolf; and Hofmann, Robert, to Fouquet-Werk Frauz & Planck. Thread supply apparatus for textile machinery, particularly circular knitting machines. 3,785,176, 1-15-74, Cl. 66-132.0st.
Hebberling, Friedrich, deceased (by Uhl, Lothar J., administrator). Apparatus for coating moving filamentary strands. 3,827,397, 8-6-74, Cl. 118-50.000.
Hebeisen, Richard; and Doane, Patrick King, to Kimball Piano & Organ, Electronic Division. Chord playing organ including a circuit arrangement for adding fill-in notes to the solo part. 3,823,246, 7-9-74, Cl. 84-1.170.
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Hebert, Remy: *See—*
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Hechenbleikner, Ingenuin; and Enlow, William P., to Borg-Warner Corporation. Hindered phenol pentaerythritol phosphonate. 3,839,506, 10-1-74, Cl. 260-927.00r.
Hechenbleikner, Ingenuin; and Rattenbury, Kenneth H., to Borg-Warner Corporation. Thiophosphite esters. 3,839,507, 10-1-74, Cl. 260-928.000.
Hechenbleikner, Ingenuin A.; Hussar, John F.; Koeniger, Arthur F.; and Pressler, Robert L., to Cincinnati Milacron Chemicals Inc. Sulfur-containing esters of substituted hydroxyphenylalkanoic acids. 3,789,064, 1-29-74, Cl. 260-473.00s.
Hecht, Gerlad; and Bigelow, Neal H., to Alcon Laboratories, Inc. Stabilized aqueous borate complexes of biologically active catechol amines. 3,808,317, 4-30-74, Cl. 424-175.000.
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Heck, Cornelis Johannes Adrianus Gerardus, to U.S. Philips Corporation. Arrangement for igniting and supplying a gas-and/or vapour discharge lamp. 3,836,816, 9-17-74, Cl. 315-94.000.
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Heck, Richard F., to Hercules Incorporated. Introduction of organic groups into ethlenically unsaturated carboxylic acids using a group VIII metal salt. 3,783,140, 1-1-74, Cl. 260-330.000.
Heck, Richard F., to Hercules Incorporated. Introduction of organic groups into ethylenically unsaturated aldehydes or ketones using a group VIII metal salt. 3,855,302, 12-17-74, Cl. 260-590.000.
Heck, Walter. Method and apparatus for making hairpieces. 3,835,868, 9-17-74, Cl. 132-5.000.
Heckathorn, Loyd E., to Towner Manufacturing Company. Trencher with adjustable stabilizer bar. 3,787,989, 1-29-74, Cl. 37-90.000.
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Heenan, Sidney A.; Ciccolella, Joseph A.; Majewski, Norbert; and Montalbano, Anthony J., to Amerace Esna Corporation. Lantern. 3,818,218, 6-18-74, Cl. 240-41.300.
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Hehl, Karl. Covered die closing unit for injection molding machines. 3,804,003, 4-16-74, Cl. 100-53.000.
Hehl, Karl. Apparatus for pivoting a component or a group of components of an injection mold. 3,804,576, 4-16-74, Cl. 425-451.000.
Hehl, Karl. Injection molding unit. 3,806,294, 4-23-74, Cl. 425-242.00r.
Hehl, Karl. Device for the production of plastic bottles by injection blow molding. 3,820,930, 6-28-74, Cl. 425-242.00b.
Hehl, Karl. Injection unit for an injection molding machine. 3,822,975, 7-9-74, Cl. 425-107.000.
Hehl, Karl. Hydraulic drive means for the mold closing unit of an injection molding or die casting machine. 3,825,384, 7-23-74, Cl. 425-137.000.
Hehl, Karl. Injection mold for an injection molding machine for manufacturing two-componer' plastic objects. 3,832,110, 8-27-74, Cl. 425-130.000.
Hehl, Karl. Molding machine injection unit. 3,833,204, 9-3-74, Cl. 259-191.000.
Hehl, Karl. Injection molding machine with lifting device. 3,836,301, 9-17-74, Cl. 425-192.000.
Hehl, Karl. Die carrier guiding device for injection molding machine. 3,841,823, 10-15-74, Cl. 425-450.100.
Hehl, Karl. Injection molding machine with optional pivotable support frame. 3,852,010, 12-3-74, Cl. 425-192.000.
Hehl, Klaus Friedrich; and Schenk, Bernd, to ITW-ATECO GmbH. Housing for mounting an operating lever for an automotive vehicle door lock. 3,795,416, 3-5-74, Cl. 292-336.300.
Hehl, Klaus Friedrich, to ITW-ATECO G.m.b.H. Apparatus for fastening the casing of a semiconductor component to a mounting plate. 3,833,991, 9-10-74, Cl. 29-203.00b.
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Hehl, Klaus Friedrich, to ITW-ATECO G.m.b.H. Expansible holeplug with seal. 3,851,794, 12-3-74, Cl. 220-308.000.
Hehmann, Horst W.: *See*—
Evans, Robert C.; and Hehmann, Horst W., 3,819,008.
Hehmann, Horst W. W.; and Smith, Edwin B., to General Electric Company. Wide band width single layer sound suppressing panel. 3,850,261, 11-26-74, Cl. 181-33.00g.
Hehn, Marvin M.: *See*—
Hamill, Robert L.; and Hehn, Marvin M., 3,843,784.
Heian, Glenn A., to Allis-Chalmers Manufacturing Company. Rotatable material handling drum. 3,790,323, 2-5-74, Cl. 425-222.000.
Heiart, Robert Bernard, to Du Pont de Nemours, E. I., and Company. Thermographic processes. 3,833,441, 9-3-74, Cl. 156-234.000.
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Stournas, Stamoulis; Bridger, Robert F.; and Heiba, El Ahmadi I., 3,795,612.
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Heiba, El-Ahmadi; and Rodewald, Paul Gerhard, to Mobil Oil Corporation. Alkoxylated hydroxyamide detergents. 3,832,367, 8-27-74, Cl. 260-404.000.
Heiba, El-Ahmadi I.: *See*—
Bridger, Robert F.; Heiba, El-Ahmadi I.; and Stournas, Stamoulis, 3,849,320.
Heiber, Hartmut; Forster, Karl-Heinz; and Lein, Werner, to Veb Polygraph Leipzig Kombinat fur Polygraphische Maschinen und Ausrustungen. Arrangement for separating a selectable number of sheets from the main output of a printing press under predetermined oerating conditions. 3,817,175, 6-18-74, Cl. 101-240.000.
Heiberger, Francis E.: *See*—
Ohlig, Karl P.; and Heiberger, Francis E., 3,830,584.
Heiberger, Francis E., to Danly Machine Corporation. Bidirectional zero speed switch. 3,848,165, 11-12-74, Cl. 318-207.00r.
Heibye, Paulus; and Heibye, Rolf. Method of producing thin, flexible heating elements. 3,810,304, 5-14-74, Cl. 29-611.000.
Heibye, Rolf: *See*—
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Heichlinger, Norbert: *See*—
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Heichlinger, Norbert; and Andiel, Karl, to Hoechst Aktiengesellschaft. Process for the manufacture of slub yarns. 3,854,313, 12-17-74, Cl. 28-72.120.
Heid, Christian; and Heinrich, Ernst, to Cassella Farbwerke Mainkur Aktiengesellschaft. Mixtures of 1-aminoanthraquinone-3,4-(N)-benzacridone dyestuffs and process for dyeing polyester fibers therewith. 3,788,806, 1-29-74, Cl. 8-25.000.
Heidacker, Walter C., to General Motors Corporation. Exhaust pipe mounted riser valve. 3,799,434, 3-26-74, Cl. 236-101.000.
Heide, Henry, Incorporated: *See*—
Lewis, Robert A., 3,795,352.
Heide, Stanford M., to Chicago Dynamic Industries, Inc. Slide selector switch. 3,800,107, 3-26-74, Cl. 200-16.00d.
Heide, Stanford M., to Chicago Dynamic Industries, Inc. Bidirectional rotary push-button switch. 3,852,554, 12-3-74, Cl. 200-156.000.
Heidecker, Robert F., to Iomec, Inc. Electrical signal filter. 3,810,067, 5-7-74, Cl. 328-164.000.
Heidel, Klaus, to Chemische Werke Huls Aktiengesellschaft. Aqueous air-and oven-drying coating compositions. 3,789,046, 1-29-74, Cl. 260-23.70a.
Heidelberg, Eric X.: *See*—
Brug, James E.; and Heidelberg, Eric X., 3,856,507.
Heidelberger Druckmaschinen Aktiengesellschaft: *See*—
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Jeschke, Willi; and Pollich, Gerhard, 3,829,085.
Kuhnert, Hans, 3,803,680.
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Wirz, Arno, 3,809,389.

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Chrokey, William J.; Ellis, Larry C.; and Heideman, Robert J., 3,794,309.

Heideman, Robert J. Interchangeable right angle or inline flow control valve. 3,857,405, 12-31-74, Cl. 137-269.500.

Heidemann, Gerrit: *See—*
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Heidenhain, Johannes, Dr.: *See—*
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Heidenmann, Rolf: *See—*
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Heider, Alexander: *See—*
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Eberlein, Wolfgang; Nickl, Josef; Heider, Joachim; Dahms, Gerhard; and Kobinger, Walter, 3,803,310.
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Heider, Joachim; Eberlein, Wolfgang; and Kobinger, Walter, to Boehringer Ingelheim G.m.b.H. α-L Talomethylosides of certain genins of the cardenolide and bufadienolide series. 3,783,149, 1-1-74, Cl. 260-210.500.

Heider, Joachim; Enberlein, Wolfgang; and Engelhardt, Gunther, to Eberlein, Wolfgang. Therapeutic compositions and method. 3,829,570, 8-13-74, Cl. 424-241.000.

Heider, Karl Adam; and Forg, Peter. Device for shielding sunlight. 3,807,481, 4-30-74, Cl. 160-45.000.

Heiderer, Fred G., to General Motors Corporation. Motor vehicle lamp assembly. 3,854,040, 12-10-74, Cl. 240-7.10r.

Heidermann, August, to Opti-Holding A.G. Tape-supported slide-fastener and method of making same. 3,796,237, 3-12-74, Cl. 139-384.00b.

Heiderpriem, Theodore B. Mold for buns which have centrally-located recesses. 3,794,455, 2-26-74, Cl. 425-403.000.

Heidorn, John H., to General Motors Corporation. Head pressure biased control valve. 3,783,634, 1-8-74, Cl. 62-217.000.

Heidorn, John H., to General Motors Corporation. Radial compressor with two-piece cylinder housing and shell. 3,784,331, 1-8-74, Cl. 417-269.000.

Heidorn, John H., to General Motors Corporation. Vacuum clutch actuator. 3,789,965, 2-5-74, Cl. 192-85.00v.

Heidrich, Horst. Extruder for processing plastics and rubber. 3,811,658, 5-21-74, Cl. 259-191.000.

Heidrich, Klaus; Kietz, Lothar; and Szibories, Werner, to Kabelschlepp Gesellschaft mit beschrankter Haftung. Device for turning and transporting heavy workpieces. 3,841,498, 10-15-74, Cl. 214-1.0qc.

Heidrich, Paul F.; Kuhn, Lawrence; and Lean, Eric G., to International Business Machines Corporation. Electronically tunable optical filter using acoustic waves. 3,822,929, 7-9-74, Cl. 350-161.000.

Heidrich, Roland. Construction set for the production of strutting arrangements. 3,802,148, 4-9-74, Cl. 52-637.000.

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Heidt, Peter C. Tricycle. 3,836,177, 9-17-74, Cl. 280-269.000.

Heidtmann, Donald S.: *See—*
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Heidtmann, Uwe: *See—*
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Gammel, Gregor; Heidtmann, Uwe; and Muller, Elmar, 3,834,454.

Heidweiller, August Pieter Louis, to Koninklijke Papierfabrieken Van Gelder Zonen N.V. Method of applying a binder to a wet-laid fibrous web. 3,806,405, 4-23-74, Cl. 162-186.000.

Heier, Jan; and Zoethout, Waltherus Andreas, to U.S. Philips Corporation. Method of manufacturing dry aluminum capacitors, and capacitors obtained by their method. 3,819,340, 6-25-74, Cl. 29-570.000.

Heier, Robert J.: *See—*
Decker, Alfred S.; Duff, John R.; and Heier, Robert J., 3,845,851.

Heier, Wilbur C., to United States of America, National Aeronautics and Space Administration. Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article. 3,790,650, 2-5-74, Cl. 264-102.00.

Heier, Wilbur C., to United States of America, National Aeronautics and Space Administration. Method of laminating structural members. 3,814,653, 6-4-74, Cl. 156-285.000.

Heier, Wilbur C., to United States of America, National Aeronautics and Space Administration. Molding apparatus. 3,830,609, 8-20-74, Cl. 425-128.000.

Heier, Wilbur C., to United States of America, National Aeronautics and Space Administration. Evacuated, displacement compression mold. 3,850,567, 11-26-74, Cl. 425-405.00r.

Heifetz, Milton D. Clamp for occluding tubular conduits in the human body. 3,840,018, 10-8-74, Cl. 128-346.000.

Heifetz, Sidney T.; and Ran, George, to Theodore Equipment Corporation. Helical endless-belt mechanisms for full or empty dish-tray transporting and lifting. 3,857,476, 12-31-74, Cl. 198-136.000.

Heiges, Melville L., Jr.: *See—*
Golding, Leonard S.; Garlow, Ronald K.; Ginsberg, Marvin D.; Maillet, Wilfred G.; Kaul, Pradman P.; and Heiges, Melville L., Jr., 3,795,763.

Heighes, John, to Permali, Incorporated. Transformer insulating end ring. 3,839,133, 10-1-74, Cl. 161-42.000.

Heightley, John Donnell, to Bell Telephone Laboratories, Incorporated. Threshold logic overflow detector for a three-input adder. 3,789,206, 1-29-74, Cl. 235-172.000.

Heigne, Leopold: *See—*
Lotgering, Frederik Karel; Beekmans, Nicolaas Marinus; Van Der Steen, Gerardus Henricus Antonius Maria; and Heigne, Leopold, 3,816,179.

Heijmeijer, Carolus Lambertus Josephus Antonius Maria, to Verenigde Fabrieken Van L. J. Heijmeijer N.V. Method and apparatus for forming packages of bags made from plastics material. 3,783,750, 1-8-74, Cl. 93-32.000.

Heijnis, James W. Ij., to Akzona Incorporated. Tow guide for stuffer bot crimping. 3,813,740, 6-4-74, Cl. 28-1.600.

Heijns, Hendrik: *See—*
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Heikes, Norman L. Cervical harness. 3,814,087, 6-4-74, Cl. 128-75.000.

Heikes, Norman L., to Pantec Development Company. Ambulatory orthopedic traction apparatus. 3,827,429, 8-6-74, Cl. 128-75.000.

Heikkinen, Wilbert: *See—*
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Heikmann, Harald Erik: *See—*
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Heiks, Robert Lee: *See—*
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Heil Co., The, mesne: *See—*
Lindl, Gordon J., 3,801,264.

Heil, Fred Bowman, Jr.: *See—*
Cooper, Thomas Henry; and Heil, Fred Bowman, Jr., 3,823,532.

Heil, Oskar. Electro-acoustic transducer. 3,832,499, 8-27-74, Cl. 179-115.5pv.

Heil Quaker Corporation: *See—*
Hafner, Robert O.; and Anderson, Richard M., 3,831,392.
Ramsey, Robert W., 3,817,451.

Heiland, Manfred, to Schenck, Carl, Firma. Closure means for vacuum chambers. 3,783,557, 1-8-74, Cl. 49-221.000.

Heiland, Wolfgang K., to United States of America, Agriculture Doctoring apparatus. 3,848,734, 11-19-74, Cl. 198-230.000.

Heiler, Wolfgang; Muller, Rudolf; and Becker, Jean-Jacques, to Vestra-Union, S.A. Automatic unit for overcasting or assembling pieces of fabric along seam lines of different forms. 3,808,993, 5-7-74, Cl. 112-155.000.

Heiler, Wolfgang; Muller, Rudolf; and Becker, Jean-Jacques, to Vestra-Union S.A. Automatic guide device for sewing machine or machine for assembling two or more superposed elements. 3,814,039, 6-4-74, Cl. 112-153.000.

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Heilhecker, Joe K.: *See—*
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Maurer, William C.; Heilhecker, Joe K.; and Lock, Everett H., 3,822,902.

Heilhecker, Joe K.; Wood, Donald B.; and Heintz, Karl O., to Esso Production Research Company. Method of mounting and maintaining an electric conductor in a drill string. 3,825,078, 7-23-74, Cl. 175-57.000.

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Heilhecker, Joe Keith; and Wood, Donald Bayne, to Esso Production Research Company. Method for installing an electric conductor in a drill string. 3,807,502, 4-30-74, Cl. 166-315.000.

Heiling, Gerald M.: *See—*
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Heilman, William J.; and Lynch, Thomas J., to Gulf Research & Development Company. Shear stable, multiviscosity grade lubricating oils. 3,795,616, 3-5-74, Cl. 252-59.000.

Heilman, William J., to Gulf Research & Development Company. Process for the preparation of cyclic acid anhydrides. 3,796,694, 3-12i74, Cl. 260-78.50t.

Heilman, William J., to Gulf Research & Development Company. Homogeneous thermosettable composition of a polyanhydride and a polyepoxide. 3,852,236, 12-3-74, Cl. 260-42.018.

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Heilmann, Max, to Agfa-Gevaert Aktiengesellschaft. Process for the regeneration of used photographic silver bleaching baths using chlorous acid or its water-soluble salts. 3,825,425, 7-23-74, Cl. 96-60.00r.

Heilmayr, Peter F.; and Kimbrell, Sol B., to Certain-Teed Products Corporation. Apparatus for extruding, embossing, and curving siding. 3,825,390, 7-23-74, Cl. 425-325.000.

Heilmeier & Weinlein Fabrik fur Oel-Hydraulik A KG (Kommandit-Gesellschaft): *See—*
Brunner, Rudolf; and Zenker, Siegfried, 3,820,568.

Heilmeier, Horst Joseph. Mounting of sheet material. 3,829,054, 8-13-74, Cl. 248-490.000.

Heilos, Johannes; Heimberger, Werner; Lussling, Theodor; and Weigert, Wolfgang, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of cyanogen chloride. 3,840,648, 10-8-74, Cl. 423-383.000.

Heilweil, Emanuel: *See—*
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Heilweil, Israel J., to Mobil Oil Corporation. Lead trap. 3,799,870, 3-26-74, Cl. 208-251.000.

Heilweil, Israel J.; and Srinivasan, Sundaresa, to Mobil Oil Corporation. Growth and recovery of cells of a hydrocarbon-utilizing microorganism. 3,813,290, 5-28-74, Cl. 195-28.00r.

Heilwell, Israel J.; and Schwab, Frederick C., to Mobil Oil Corporation. Grease manufacture. 3,840,459, 10-8-74, Cl. 252-33.600.

Heim, Alan M.: *See—*
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Heim, Alan M.; and Gonzalez, Raymond J., to Baker Industries, Inc. Supervised battery power supply. 3,811,121, 5-14-74, Cl. 340-249.000.

Heim, James A.: *See—*
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Heim, Josef: *See—*
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Heimann, Arnold: *See—*
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Heimann, Egon. Folding box. 3,819,105, 6-25-74, Cl. 229-39.00r.

Heimann, Egon. Adhesive binding cover. 3,833,244, 9-3-74, Cl. 281-21.00r.

Heimann, Egon. Support device for files. 3,844,415, 10-29-74, Cl. 211-43.000.

Heimann, Georg. One- and surplus-way magnetic valve with permanent magnet and controls by pulses. 3,809,123, 5-7-74, Cl. 137-625.500.

Heimann, Helmut, to Wickuler-Kupper-Brauerei KGaA. Method of and apparatus for testing the condition of bottles. 3,827,812, 8-6-74, Cl. 356-240.000.

Heimbach, Heinrich: *See—*
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Heimberger, Werner: *See—*
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Heimberger, Werner; and Weigert, Wolfgang, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 7-Aza-6,8-dioxa-bicyclo 3,2,1 octane. 3,813,410, 5-28-74, Cl. 260-307.00f.

Heimbrock, Henry H., to Van Products Incorporated. Cluster assembly and connector clip therefor. 3,853,388, 12-10-74, Cl. 339-192.0rl.

Heimbuch, Alvin H.: *See—*
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Heimburg, Fritz, to General Motors Corporation. Internal combustion engine fuel-air mixture preheating apparatus. 3,831,568, 8-27-74, Cl. 123-122.00r.

Heimerzheim, Reiner: *See—*
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Heimo Gerattbau Gesellschaft mit beschrankter Haftung: *See—*
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Heimprecht, Ulrich Stefan, to Gebr. Hofmann KG. Measure value method and apparatus. 3,851,160, 11-26-74, Cl. 235-151.300.

Heimsch, Robert A.; Bartosczewicz, John S.; and Slocombe, Robert J., to Monsanto Company. Polymeric photosensitive compositions and methods using same. 3,787,212, 1-22-74, Cl. 96-35.100.

Heimsch, Robert A.; and Reaville, Eric T., to Monsanto Company. Photoxidizable compositions. 3,790,389, 2-5-74, Cl. 96-115.00r.

Heimsport GmbH: *See—*
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Hein, Allyn J., to Caterpillar Tractor Company. Dual range pressure dependent variable flow fluid delivery system. 3,797,245, 3-19-74, Cl. 60-452.000.

Hein, Allyn J.; Norick, William B.; Ruseff, Walter Z.; and Tribley, Gilber, to Caterpillar Tractor Company. Variable displacement pump having pressure compensator control method. 3,830,594, 8-20-74, Cl. 417-217 000.

Hein, Allyn J.; and Hendrickson, Vergil P., to Caterpillar Tractor Company. Override ceatrol for a variable displacement pump. 3,834,836, 9-10-74, Cl. 417-222.000.

Hein, Daniel: *See—*
De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges; Meyer, Jean-Claude; Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis, Charpentier, Jacques Georges, and Jacquot, Alain, 3,825,982.

Hein, Dieter: *See—*
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Hein, Georg, to Vaillant, Joh, K.G. Premixing gas burner. 3,799,452, 3-26-74, Cl. 239-553.300.

Hein, John W. Dental instruction device. 3,815,244, 6-11-74, Cl. 32-71.000.

Hein, Lehmann Aktiengesellschaft: *See—*
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Hein, Richard D.: *See—*
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Hein-Werner Corporation: *See—*
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Heinanen, Kauko: *See—*
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Heinard, Weilden G.: *See—*
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Heinbigner, Leonard F. Football practice target. 3,820,787, 6-28-74, Cl. 273-55.00b.

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Heine, Charles A., to Alexander Manufacturing Company. Bottle cap remover. 3,812,741, 5-28-74, Cl. 81-3.400.

Heine, Desire: *See—*
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Heine, Gunter; and Borgonovi, Bruno, to Berger, Gerhard, Fabrik Elektrischer Messgerate. Five-phase stepping motor systems 3,842,332, 10-15-74, Cl. 318-696.000.

Heine, Hans-Georg: *See—*
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Heine, Hans-Georg; Fischler, Hans-Michael; and Hartmann, Willy, to Bayer Aktiengesellschaft. Substituted 1-hydroxy cyclopropane-1-carboxylic acids. 3,813,432, 5-28-74, Cl. 260-514.00h.

Heine, Hans-Georg; Rosenkranz, Hans-Jurgen; and Rudolph, Hans, to Bayer Aktiengesellschaft. Thiomethylated benzophenones 3,849,497, 11-19-74, Cl. 260-591.000.

Heine, Helmut A., to Propper Manufacturing Co., Inc. and Optotechnik Heine KG. Internal reading device for ophthalmological instruments. 3,832,042, 8-27-74, Cl. 351-6.000.

Heine, Helmut A., to Optotechnik Heine KG and Propper Manufacturing Co., Inc. Otoscope with disposable speculum. 3,840,004, 10-8-74, Cl. 128-9.000.

Heine, Henry: *See—*
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Heine, Henry, to Presto Lock Co.; division of Kidde, Walter, & Company, Inc. Company, Inc. Combination lock. 3,800,571, 4-2-74, Cl. 70-71.000.

Heine-Geldern, Robert V.; and Amidon, Alan B., to Xerox Corporation. Xerographic development. 3,795,443, 3-5-74, Cl. 355-10.000.

Heinecke, Allen F. Plant growth promoting and protection device. 3,803,759, 4-16-74, Cl. 47-27.000.

Heinemann, Albert; and Opferkuch, Wilhelm, to Kromer, Theodore KG. Time control safety lock for a safe or the like with indicating means outside the safe for indicating the time control of the lock. 3,835,679, 9-17-74, Cl. 70-271.000.
Heinemann Electric Company: *See—*
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Heinemann, Heinz; and Weisz, Paul B., to Mobil Oil Corporation. Production of methane and aromatics. 3,827,867, 8-6-74, Cl. 48-211.000.
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Heinen, Irving J., to Aerojet-General Corporation, mesne. Valve actuating means. 3,793,893, 2-26-74, Cl. 74-22.000.
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Heinhard, Neil A.; and Cramer, Harold E., to Dicken Manufacturing Company. Well pipe connector. 3,805,891, 4-23-74, Cl. 166-88.000.
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Heinrich, Frank-Armin, to Bosch, Robert, Photokino G.m.b.H. Movie camera release control circuit with voltage stabilization. 3,790,264, 2-5-74, Cl. 352-174.000.
Heinrich, Frank-Armin; and Kiefer, Hans-Friedrich, to Bosch, Robert, Photokino GmbH. Motion picture camera having means for simultaneously selecting the film speed and the corresponding aperture size. 3,825,329, 7-23-74, Cl. 352-141.000.
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Heinroth, Karl-August; Neumann, Herbert; Dauscher, Rudi; Jurischka, Hans-Dieter; and Bach, Hans, to Bayer Aktiengesellschaft. Process and an apparatus for the production of synthetic, crimped, highly elastic endless yarn. 3,816,988, 6-18-74, Cl. 57-34.0hs.
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Heintzelman, Leo; and Roy, Albert G. Spit-back for carburators. 3,852,377, 12-3-74, Cl. 261-1.000.
Heintzelman, Leo. Baffle filters for carburetors. 3,856,490, 12-24-74, Cl. 55-420.000.
Heintzelman, Leo A. Spit back water, oil and fuel re-cycle. 3,782,079, 1-1-74, Cl. 55-48.000.
Heinz, Arnold; and Kuhling, Dieter, to Henkel & Cie GmbH. Method of oxidative treatment of human hair. 3,812,247, 5-21-74, Cl. 424-62.000.
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Heinz, Richard. System for controlling number of revolutions of the tape drive in a tape recording and replaying apparatus. 3,809,452, 5-7-74, Cl. 318-271.000.
Heinz, Robert Alfred; and Gehrle, Robert Charles, to Western Electric Company, Incorporated. Spatial filtering system utilizing compensating elements. 3,790,280, 2-5-74, Cl. 356-71.000.
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Heinze, Walter W.; and Schnitta, Edward, to Universal Oil Products Company. Reactor system for gravity-flowing catalyst particles. 3,854,887, 12-17-74, Cl. 23-288.00g.
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Heinzer, Paul, to Battelle Memorial Institute. Method of recording and reproducing information in the form of electrical conductivity differences. 3,826,573, 7-30-74, Cl. 355-133.000.
Heinzle, Otto. Means for forming circular roofs. 3,854,690, 12-17-74, Cl. 249-19.000.
Heinzman, Arthur H.; Clifton, Henry G., Jr.; and Theobald, Robert A. Jig for precasting a plurality of panels. 3,785,608, 1-15-74, Cl. 249-161.000.
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Heise, Carl-Hermann. Rotatable drying drum. 3,840,337, 10-8-74, Cl. 432-105.000.
Heise, Hartmut; and Mees, Bernhard, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing benzoxazolones-(2) and benzothiazolones-(2). 3,812,138, 5-21-74, Cl. 260-304.000.
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Heiser, E. Franklin; and Kulick, Andrew, to Ranco Incorporated. Thermostatic control structure. 3,801,948, 4-2-74, Cl. 337-380.000.
Heiser, Edward J., to Dow Chemical Company, The. Coatings containing plastic polymeric pigments. 3,853,579, 12-10-74, Cl. 117-15.000.
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Heisler, Raymond A. Apparatus for automatically feeding and erecting folded cartons. 3,814,000, 6-4-74, Cl. 93-53.0sd.
Heisler, Raymond A. Apparatus and method for automatically sizing and wrapping a shrink wrap envelope around advancing luggage. 3,815,313, 6-11-74, Cl. 53-14.000.
Heisler, Raymond A. Plastic container with plug-type plastic cover. 3,817,420, 6-18-74, Cl. 220-60.00r.
Heisler, Raymond A. Unitary container having a hinged panel with a tray configuration. 3,828,389, 8-13-74, Cl. 15-257.006.
Heisler, Raymond A. Apparatus and method for orienting and case packing eared containers. 3,848,394, 11-19-74, Cl. 53-26.000.
Heisler, Robert Walter, to Johns-Manville Corporation. Method of forming the bell end of a bell and spigot joint. 3,807,027, 4-30-74, Cl. 29-423.000.
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Heissenberger, Otto, to Maschinenfabrik Andritz Aktiengesellschaft. Pressing device for the removal of water from cellulose or the like. 3,792,656, 2-19-74, Cl. 100-118.000.
Heissenberger, Otto, to Maschinenfabrik Andritz Actienopellschaft Reichstrasse. Pressing device for the removal of water from cellulose or the like. 3,796,148, 3-12-74, Cl. 100-118.000.
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Heisterberg, Milton W., to General American Transportation Corporation. Fluid storage container. 3,834,576, 9-10-74, Cl. 220-265.000.
Heit, Allyn H., to Sybron Corporation. Composition for treating aqueous alkaline fuel. 3,800,466, 4-2-74, Cl. 44-4.000.
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Heiter, Mary H.; and Heiter, Carl B., Jr. Combination boat and utility trailer structure. 3,834,753, 9-10-74, Cl. 296-10.000.
Heithecker, Gary; Loseke, Melvin R.; and Ferguson, Joe, to Mesco Metal Buildings Corporation. Electrical connector for interior wall panels. 3,823,251, 7-9-74, Cl. 174-48.000.
Heithoff, Robert B., to PPG Industries, Inc. Apparatus and method for the manufacture of float glass having a thickness greater than equilibrium thickness. 3,846,102, 11-5-74, Cl. 65-65.00a.
Heitholt, Jurgen; and Gieb, Werner, to Herford, Richard Heinze. Connecting part for shaped structural bodies made from synthetic material, especially for shaped structural bodies of frame-type make-up. 3,823,521, 7-16-74, Cl. 52-285.000.
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Heitland, Herbert; and Manderscheid, Peter, to Volkswagenwerk Aktiengesellschaft. Thermo regulated catalytic cleaner for exhaust gas. 3,813,226, 5-28-74, Cl. 23-288.00f.
Heitland, Herbert, to Volkswagenwerk Aktiengesellschaft. Converter for catalytic exhaust gas cleaning. 3,814,589, 6-4-74, Cl. 23-288.00f.
Heitland, Herbert; and Manderscheid, Peter, to Volkswagenwerk Aktiengesellschaft. Arrangement for exhaust gas cleaning. 3,854,288, 12-17-74, Cl. 60-300.000.
Heitman, James M.; and Starr, Earl F., Jr., to United States of America, Air Force. High speed photodiode mount. 3,842,262, 10-15-74, Cl. 250-239.000.
Heitman, Joseph Beckwith, to Pennwalt Corporation. Method for making anhydrous alkali metal hydrosulfites. 3,826,818, 7-30-74, Cl. 423-515.000.
Heitman, Richard E.; and Norris, Richard C., to Little, Arthur D., Inc. Data processor with selectable operating modes. 3,823,389, 7-9-74, Cl. 340-172.500.
Heitman, Richard E.; Arciprete, Genio R.; Martin, Peter G.; Norris, Richard C.; and Brisk, Richard A., to Little, Arthur D., Inc. Data recording and printing apparatus. 3,828,323, 8-6-74, Cl. 340-172.500.
Heitman, Richard E.; and Norris, Richard C., to Little, Arthur D. Reversal system for word processor. 3,840,860, 10-8-74, Cl. 340-172.500.
Heitman, Richard G., to De Laval Separator Company, The. Milking unit washer. 3,834,407, 9-10-74, Cl. 134-56.00r.
Heitmann, Bob; Kasparek, Alois; and Torbeck, Johann, to Hauni-Werke Korber & Co., KG. Apparatus for transporting rod-shaped articles. 3,827,757, 8-6-74, Cl. 302-2.00r.
Heitmann, Hans-Gunter; and Kelp, Fritz, to Kraftwerk Union Aktiengesellschaft. Steam power plant, especially with a boiling water nuclear reactor. 3,788,068, 1-29-74, Cl. 60-106.000.
Heitmann, Hans-Gunter; Donath, Gerhard; and Beyer, Werner, to Siemens Aktiengesellschaft. Device for purifying the feed water of a steam power installation. 3,841,486, 10-15-74, Cl. 210-108.000.
Heitmann, Knut, to Leitz, Ernst G.m.b.H. Vibratory alignment system for lenses in mountings. 3,814,958, 6-4-74, Cl. 310-8.100.
Heitmann, Knut; and Schneider, Eckart, to Leitz, Ernst, GmbH. Apparatus for no-contact measurement using an oscillating grating. 3,856,401, 12-24-74, Cl. 356-28.000.
Heitmann, Owe; and Grasse, Hans Jochen, to Hauni-Werke Korber & Co., KG. Method and apparatus for testing cigarettes or like rod-shaped articles. 3,783,677, 1-8-74, Cl. 73-41.000.
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Heitner, Alfred, to Esser, Klaus, KG. Electrically heated water outlets. 3,816,687, 6-11-74, Cl. 219-100.490.
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Heizer, Kurt: *See—*
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Heizer, Marshall B., Jr. Chair lift. 3,845,933, 11-5-74, Cl. 254-8.00r
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Hejzlar, Sid; and Zweig, Robert M., to Chatillon, John, & Sons, Inc. Slip-release linear force gauge for detecting compression and tension forces which exceed a standard force. 3,848,463, 11-19-74, Cl. 73-141.0ab.
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Hek, Homer C., to Universal Dynamics Corporation. Loader. 3,832,005, 8-27-74, Cl. 302-59.000.
Hekal, Ihab M.; and Chelton, Raymond G., to Continental Can Company, Inc. Metal coating compositions prepared from aqueous dispersions of ionomer and uron resins. 3,836,494, 9-17-74, Cl. 260-29.4ua.
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Hekimian, Norris C.; and Mack, Walter. Pre-emphasis loop filter for improved FM demodulator noise threshold performance. 3,792,357, 2-12-74, Cl. 325-46.000.
Hekimian, Norris C., to Hekimian Laboratories, Inc. Phase lock loop and frequency discriminator employed therein. 3,796,962, 3-12-74, Cl. 328-133.000.
Hekimian, Norris C.; Browne, Sidney; and Murtha, Joseph E., to Carrier Telephone Corporation of America, Inc. System carrier equipment employing phase shift method of SSB generation and reception. 3,806,655, 4-23-74, Cl. 179-15.0fs.
Hekimian, Norris C., to Hekimian Laboratories, Inc. Line equalizer circuit employing active gyrator. 3,818,359, 6-18-74, Cl. 328-167.000.
Hekimian, Norris C., to Hekimian Laboratories, Inc. Gyrator circuits comprising operational amplifiers and oscillators utilizing same. 3,824,496, 7-16-74, Cl. 331-132.000.
Hekimian, Norris C., to Hekimian Laboratories, Inc. Active notch filter and dual mode filter/oscillator. 3,838,351, 9-24-74, Cl. 330-104.000.
Helander, Elton L., to Helander Products, Inc. Adjusting collar for single revolution spring clutch. 3,835,972, 9-17-74, Cl. 192-26.000.
Helander, Elton L., to Helander Products, Inc. Spring clutch with automatic disconnect feature. 3,850,275, 11-26-74, Cl. 192-26.000.
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Helava, Uuno V., to Bendix Corporation, The. Method and apparatus for making hologrammetric measurements. 3,803,720, 4-16-74, Cl. 33-228.000.
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Helbing, Clarence R.; Peters, Russel; and Cooper, Hugh E., to Towner Manufacturing Company. Asparagus harvesting apparatus and method. 3,855,764, 12-24-74, Cl. 56-327.00a.
Held, Edward C., Jr., to Phillips Petroleum Company. Molecularly oriented hollow article, such as a bottle. 3,837,517, 9-24-74, Cl. 215-1.00c.
Held, Edward C., Jr., to Phillips Petroleum Company. Trimming articles from integrally attached web. 3,850,354, 11-26-74, Cl. 225-1.000.
Held, Gerhard R. Tread grinding wheel. 3,841,034, 10-15-74, Cl. 51-356.000.
Held, Manfred, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Warhead, particularly for fighting ships. 3,788,225, 1-29-74, Cl. 102-56.000.
Held, Paul, to Allstate Tool and Die Inc. Sanding machine for bowling alleys. 3,815,291, 6-11-74, Cl. 51-170.0pt.
Held, Robert Paul, to Du Pont de Nemours, E. I., and Company. Halation protection for multilayer imaging of photopolymers. 3,854,950, 12-17-74, Cl. 96-82.000.
Heldenbrand, Stanley W.; Johnson, David L.; and Mote, Neil H., to Seaco Computer-Display Incorporated. Viewer-copier apparatus. 3,811,769, 5-21-74, Cl. 355-45.000.
Helderman, James F., to Ladd Tool Company, Inc. Suspension clip structure and apparatus and method for securing same to a work surface. 3,805,472, 4-23-74, Cl. 52-741.000.
Helding, Norman A., to Sun Chemical Corporation. Shutter mechanism for radiation-curing lamp. 3,826,014, 7-30-74, Cl. 34-1.000.
Heldreth, Robert L., to Westinghouse Electric Corporation. Pump with self-cleaning lint filter. 3,836,001, 9-17-74, Cl. 210-167.000.
Heldrich, James L. Goggles. 3,791,721, 2-12-74, Cl. 351-44.000.
Heldt, Kurt; and Lappe, Hans, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Tunnel Kiln. 3,797,993, 3-19-74, Cl. 432-212.000.
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Helwig, Lawrence E.; and Murray, Michael V., to United States Steel Corporation. Method for producing adherent, ductile zinc coating on ferrous substrates by vacuum deposition. 3,788,877, 1-29-74, Cl. 117-62.000.
Hemak, Thomas J., to Bendix Corporation, The. Protective shield for oxygen sensor. 3,835,012, 9-10-74, Cl. 204-195.00s.
Hemard, Jean, to Societe Pernod. Devices for dispensing articles from a stack of articles. 3,797,698, 3-19-74, Cl. 221-20.000.
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Hemens, James Frederick, to Teleflex Limited. Steering systems. 3,838,607, 10-1-74, Cl. 74-496.000.
Hemens, James Frederick, to Teleflex Limited. Control devices. 3,847,034, 11-12-74, Cl. 74-491.000.
Hemenway, Wayne A. Rotary internal combustion engine. 3,857,370, 12-31-74, Cl. 123-8.330.
Hemesath, Gerhard: *See*—
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Hemgren, Sven Anders, to Dymo Industries, Inc. Frame for exchangeable posters or the like. 3,783,543, 1-8-74, Cl. 40-152.000.
Hemgren, Sven Anders, to Beckman & Ullibin AB. Clamping rod for the suspension of material in the form of sheets or the like. 3,797,795, 3-19-74, Cl. 248-316.00r.
Heminger, Raymond D.: *See*—
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Hemingway, Maurice; and Ward, Trevor, to Hotwork Limited. Heat treatment apparatus. 3,829,284, 8-13-74, Cl. 432-183.000.
Hemingway, Maurice; and Ward, Trevor, to Hotwork Limited. Fluid fuel burners. 3,834,857, 9-10-74, Cl. 431-158.000.
Hemker, Herman W., to FMC Corporation. Static fluid mixing apparatus. 3,856,270, 12-24-74, Cl. 259-4.000.
Hemler, Charles L., Jr.: *See*—
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Hemmelsbach, Richard J., to Space Age Industries, Inc. Anchor means for portable building structure. 3,788,335, 1-29-74, Cl. 135-1.00r.
Hemmer, Valentine J.; and Pfendler, Donald L., to Bendix Corporation, The. Contact retention and removal assembly for a multi-pin electrical. 3,808,590, 4-30-74, Cl. 339-217.00s.
Hemmer, Valentine J., to Bendix Corporation, The. Coaxial cable contact. 3,825,883, 7-23-74, Cl. 339-177.00r.
Hemmer, Valentine J., to Bendix Corporation, The. Snap-in contact assembly for plug and jack type connectors. 3,845,453, 10-29-74, Cl. 339-59.00r.
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Hemming, Raymond Charles; and Coumans, Harry Maria, to Northern Electric Company Limited. Anti-fraud device for coin operated apparatus. 3,834,504, 9-10-74, Cl. 194-1.00g.
Hemmings, Keith Reginald; and Fowler, Gerald, to British Leyland Truck and Bus Division Limited. Motor vehicle joint. 3,787,130, 1-22-74, Cl. 403-205.000.
Hemmings, Norman. Tyre shredding machine. 3,826,166, 7-30-74, Cl. 83-132.000.
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Hemsath, Klaus H.; Vereecke, Frank J.; and Ferguson, Norman T., to Midland-Ross Corporation. Minimum scale reheating furnace and means relating thereto. 3,819,323, 6-25-74, Cl. 432-138.000.
Hemsath, Klaus H.; Vereecke, Frank J.; and Ferguson, Norman T., to Midland-Ross Corporation. Minimum scale reheating furnace and means relating thereto. 3,836,320, 9-17-74, Cl. 432-11.000.
Hemsath, Klaus Heinrich; and Thekdi, Arvind Chhotalal, to Midland-Ross Corporation. Rich fume incinerator. 3,838,974, 10-1-74, Cl. 23-277.00c.
Henault, Claude, to Regie Nationale des Usines Renault and Automobiles Peugeot. Temperature regulator for a catalytic reactor 3,820,327, 6-28-74, Cl. 60-286.000.
Henault, Claude, to Regie Nationale des Usines Renault and Automobiles Peugeot. Anti-pollution control devices for internal combustion engines. 3,846,076, 11-5-74, Cl. 23-254.00e.
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Hencley, Richard L.; McCumber, Roger D.; and Hewitt, Donald W., to Data Card Corporation. Embossing and encoding system. 3,820,455, 6-28-74, Cl. 101-93.00c.
Hendel, Robert J.; Jamba, Theodore F., Jr.; Keefe, George E.; and Rosier, Laurence L., to International Business Machines Corporation. Magnetic bubble domain system having improved operating margins. 3,825,885, 7-23-74, Cl. 340-174.0tf.
Hender, Berkeley Stephens. Drive system. 3,799,284, 3-26-74, Cl. 180-65.00a.
Henderlit, James H., III, to Air Knife, Inc. Method for removing heat degradable textile waste material from apparatus used in textile operations. 3,841,911, 10-15-74, Cl. 134-37.000.
Henderlite, James H., III, to Air Knife Inc. Electric heating apparatus for removing textile waste material. 3,846,618, 11-5-74, Cl. 219-373.000.
Hendershot, William B., III; Wald, David; and Whitlock, Larry K., to Consolidated Video Systems, Inc. High speed thermal duplication of magnetic tape. 3,825,948, 7-23-74, Cl. 360-16.000.
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Henderson, Eulas W., to Phillips Petroleum Company. Processing heated, moisture laden gas containing particulate matter. 3,837,090, 9-24-74, Cl. 34-40.000.
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Hendricks, Victor P. Smoking pipe. 3,791,390, 2-12-74, Cl. 131-196.000.
Hendrickson, Alan E. Data signal recognition apparatus. 3,832,685, 8-27-74, Cl. 340-146.200.
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Hennicke, Hans-Walter; and Grunling, Hermann-Walter, to Siemens Aktiengesellschaft. Process for the production of metal-ceramic bond. 3,795,041, 3-5-74, Cl. 29-472.900.

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Henningsen, Erik: *See—*
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Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. Oxy-substituted 3,4-alleric fatty acid esters. 3,801,611, 4-2-74, Cl. 260-410.90r.

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Henrick, Clive A., to Zoecon Corporation. Aliphatic hydrocarbon 2,4-dienamides. 3,816,484, 6-11-74, Cl. 260-404.000.

Henrick, Clive A.; and Staal, Gerardus B., to Zoecon Corporation. Cyclopropanemethylthiol diester of terephthalic acid. 3,816,501, 6-11-74, Cl. 260-455.00r.

Henrick, Clive A., to Zoecon Corporation. Substituted pyrones. 3,818,047, 6-18-74, Cl. 260-343.500.

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Henrick, Clive A., to Zoecon Corporation. Halohydrins of 2,4-di unsaturated aliphatic carboxylic esters. 3,821,264, 6-28-74, Cl. 260-408.000.

Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. Thiolesters of 3-hydroxy-3,7,11,substituted thiol dodecenoates of undercenoates. 3,821,269, 6-28-74, Cl. 260-455.00r.

Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. Biologically active mixed anhydrides. 3,824,261, 7-16-74, Cl. 260-403.000.

Henrick, Clive A., to Zoecon Corporation. Aliphatic hydrocarbon 2,4-dienamines. 3,824,290, 7-16-74, Cl. 260-583.00h.

Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. Aliphatic substituted 2,4-diene acids and esters. 3,826,804, 7-30-74, Cl. 260-399.000.

Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. Azides. 3,832,361, 8-27-74, Cl. 260-349.000.

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Henrick, Clive A., to Zoecon Corporation. Aliphatic diolefinic acids and esters and derivatives thereof. 3,839,370, 10-1-74, Cl. 260-404.000.

Henrick, Clive A.; and Siddall, John B., to Zoecon Corporation. 2,4-Di unsaturated aliphatic amines. 3,839,452, 10-1-74, Cl. 260-583.00h.

Henrick, Clive A., to Zoecon Corporation. Phenylheptadienoates. 3,845,089, 10-29-74, Cl. 260-410.90r.

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Henrick, Clive A., to Zoecon Corporation. 4-Thia unsaturated esters and acids. 3,853,958, 12-10-74, Cl. 260-481.00r.

Henrick, Clive A., to Zoecon Corporation. Aliphatic di-olefinic halides. 3,855,322, 12-17-74, Cl. 260-654.00r.

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Henrick, Olive A.; and Siddall, John B., to Zoecon Corporation. Synthesis of codling moth attractant. 3,783,135, 1-1-74, Cl. 260-345.900.

Henrick, Olive A., to Zoecon Corporation. 4-Substituted-2-unsaturated esters. 3,793,353, 2-19-74, Cl. 260-405.000.

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Henriksen, Evan R. Submerged litter collector. 3,828,931, 8-13-74, Cl. 210-163.000.

Henrickson, Doyle D., to Reel Assist Corporation. Spinning reel line clamp. 3,782,023, 1-1-74, Cl. 43-25.000.

Henrickson, Gary C.; and McDonald, John C., to Vidar Corporation. Sampling and analog-to-digital converter apparatus for use in a telephone message metering system. 3,852,533, 12-3-74, Cl. 179-8.00a.

Henrickson, Henry G., to Kaiser Aluminum & Chemical Corporation. Coupler band device. 3,782,763, 1-1-74, Cl. 285-419.000.

Henrickson, Kenneth E.; Keidl, Steven D.; and Lopour, Warren A., to International Business Machines Corporation. Analog stepping motor control system. 3,845,378, 10-29-74, Cl. 318-685.000.

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Henriksen, Gary L., to United States of America, Navy. Non-aqueous silver film formation. 3,830,650, 8-20-74, Cl. 106-1.000.

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Henriksson, Sten Tycho; and Lindstrom, Stig Osten, to Boliden Aktiebolag. Copper-chromate-arsenate compound and a process for making the compound. 3,793,441, 2-19-74, Cl. 423-595.000.

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Henry, Albert, Sr. Bean harvesting machine and method. 3,842,915, 10-22-74, Cl. 171-1.000.

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Henry, Calvin Scott, III, to Winery Systems, Inc. Piping connector. 3,825,286, 7-23-74, Cl. 285-93.000.

Henry, Carl M. Launching tee for tip cats. 3,817,525, 6-18-74, Cl. 273-95.00f.

Henry, Charles Leroy; and McNeely, Gerald Willard, to Akzona Incorporated. Copolyester polymer of enhanced dyeability. 3,856,753, 12-24-74, Cl. 260-75.00n.

Henry, David A.; and Larimer, Myron J., said Henry assor. to said Larimer, Myron J. Modular building construction. 3,849,960, 11-26-74, Cl. 52-569.000.

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Henry, H. Clarke; Gilbert, John B.; and Sosnowski, John, to Esso Research and Engineering Company. Process for the manufacture of lubricating oils by hydrocarcking. 3,788,972, 1-29-74, Cl. 208-59.000.

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Henry, J. W.: *See—*
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Henry, Nadine E. Writing guide for partially seeing, blind or muscularly disable persons. 3,816,943, 6-18-74, Cl. 35-38.000.

Henry, Nelson R., to Woodman Company, Inc., The. Web roll cradle with positive drive. 3,787,001, 1-22-74, Cl. 242-75.430.

Henry, Nelson R. Automatic filling and weighing mechanism. 3,794,157, 2-26-74, Cl. 198-131.000.

Henry, Raymond; and Chelot, Jacques, to Thomson-CSF. Improvement for connecting a two terminal electronical device to a case. 3,806,776, 4-23-74, Cl. 317-234.00r.

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Henry, Richard D. Altitude detecting instrument. 3,858,172, 12-31-74, Cl. 340-27.0na.

Henry, Richard Dal. Glide slope indicator. 3,813,657, 5-28-74, Cl. 340-26.000.

Henry, Robert B.: *See—*
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Herman, Martin Andrew. Gauge adapter. 3,813,786, 6-4-74, Cl. 33-174.00p.

Herman, Marvin J., to Kulo Herman & Modell. Reclining chair. 3,856,346, 12-24-74, Cl. 297-61.000.

Herman, Paul F.: *See—*
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Herman, Ronald E., to Colt Industries Operating Corporation. Throttel return spring redundancy system. 3,830,213, 8-20-74, Cl. 123-198.0db.

Herman, Stanley W., to General Motors Corporation. Transmission. 3,793,909, 2-26-74, Cl. 74-759.000.

Herman, Stanley W., to General Motors Corporation. Friction welder. 3,848,793, 11-19-74, Cl. 228-2.000.

Herman, Stanley W., to General Motors Corporation. Transmission with torque converter and hydrostatic drives. 3,851,544, 12-3-74, Cl. 74-677.000.

Herman, Stewart T.; and Horst, Russel J., to Bethlehem Steel Corporation. Removal of cyanide and color bodies from coke plant wastewater. 3,847,807, 11-12-74, Cl. 210-46.000.

Hermann, Arthur F., Jr.: *See—*
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Hermann, Eike; Otto, Bernhard; and Von Graeve, Erdmann Edler. Setting of contacts on a support. 3,803,694, 4-16-74, Cl. 29-203.00b.

Hermann, Frederic C. J.: *See—*
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Hermann, Frederic Claude Joseph: *See—*
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Hermann, Georges; deceased (by Atalaphe, Marie Therese; Hermann, Jean Christophe Dominique; Hermann, Beatrice Jeannette; Hermann, Frederic Claude Joseph; Hermann, Claude Alfred Georges; and Hermann, Brigitte Marguerite Aimee; heirs), to Societe Industriell des Coussinets. Anti-friction bearing lining composition. 3,839,208, 10-1-74, Cl. 252-12.000.

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Hermann, Gunter, to Masserschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Vehicle shock absorption system and high-pressure gas producing device therefor. 3,813,112, 5-28-74, Cl. 280-15.0ab.

Hermann, Hans, to Triumph Werke Nuernberg A.G. Key switch. 3,855,439, 12-17-74, Cl. 200-159.00r.

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Hermann Heye: *See—*
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Hermann, Horst M. Overhead conveyor installation. 3,800,707, 4-2-74, Cl. 104-94.000.

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Hermanns, William H. Variable diameter wheel. 3,802,743, 4-9-74, Cl. 301-5.00r.

Hermans, Fernand Victor Francois, to Le Four Industriel. Device for controlling a mixture of two gases. 3,799,195, 3-26-74, Cl. 137-553.000.

Hermans, Marie E. A.: *See—*
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Hermanson, Terry, to Mr. Christmas, Incorporated. Collapsible artificial tree. 3,829,349, 8-13-74, Cl. 161-24.000.

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Hermeyer, Bernd, to U.S. Philips Corporation. Self-triggered circuit arrangement for a measuring amplifier. 3,854,096, 12-10-74, Cl. 328-114.000.

Hermo, Lawrence E. Batting practice trainer. 3,815,906, 6-11-74, Cl. 273-26.00r.

Herms, Gunter. Jalousie element. 3,840,061, 10-8-74, Cl. 160-26.000.

Hermstein, Wolfgang; and Maenicke, Eckart, to Siemens Aktiengesellschaft. Capacitive voltage-dividing arrangement for high voltage measuring apparatus. 3,835,353, 9-10-74, Cl. 317-244.000.

Hermstein, Wolfgang; and Sheiemann, Heinz, to Siemens Aktiengesellschaft. Current transformer. 3,835,429, 9-10-74, Cl. 336-82.000.

Hernandez, Ralph, Jr., to Aircraft Instruments, Inc. Aircraft gyrohorizon indicator with signal lamp positional attitude indicating means. 3,852,710, 12-3-74, Cl. 340-27.0at.

Hernandez, Ernest S.: *See—*
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Hernandez, Jesus Manuel. Apparatus for laying shingles or the like. 3,794,237, 2-26-74, Cl. 227-111.000.

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Hernandez, Philippe Henri, to International Business Machines Corporation. Line circuit for telephone installation. 3,808,378, 4-30-74, Cl. 179-84.00a.

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Herndon, Robert R. Trailer stabilizer. 3,801,128, 4-2-74, Cl. 280-150.500.

Hernestam, Sven Erik Harry; Sterner, Nils Olov Bruno; and Lassen, Jorgen Buus, to AB Ferrosan. 4-Fluoro-γ-(4-methyl-piperidino) butyrophenone and its pharmaceutically acceptable salts. 3,816,433, 6-11-74, Cl. 260-293.800.

Hernquist, Karl Gerhard, to RCA Corporation Metal vapor laser discharge device. 3,798,486, 3-19-74, Cl. 313-220.000.

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Herold, Juerg, to Ciba-Geigy AG. Process for the preparation of N,O-dialkylhydroxylamines. 3,839,449, 10-1-74, Cl. 260-566.00r.

Herold, Robert J.: *See—*
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Herold, Robert R., to Thomas Conveyor Company. Apparatus for selectively distributing bulk materials. 3,842,992, 10-22-74, Cl. 214-16.00r.

Herold, Wolfgang: *See—*
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Heroux, Thomas M. Method and apparatus for testing hydraulic pumps. 3,817,097, 6-18-74, Cl. 73-168.000.

Herpich, William M., to Torrington Company, The. Tube cutter. 3,839,931, 10-8-74, Cl. 82-54.000.

Herr, Edward J., to Clark Equipment Company. Load station material transfer system. 3,807,584, 4-30-74, Cl. 214-38.00d.

Herr, Ernest A. Electronic automatic reset switch circuit and electronic keyboard musical instrument incorporating it. 3,845,684, 11-5-74, Cl. 84-1.010.

Herr, Gerald A.: *See—*
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Herr, Gerhard; and Treber, Willy O., to Gebr. Happich G.m.b.H. Reinforced sun visor, especially for motor vehicles. 3,827,748, 8-6-74, Cl. 296-97.00h.

Herr, Kurt F., to GTE Automatic Electric Laboratories, Incorporated. Electrically interlocking pushbutton circuit with error indication. 3,787,731, 1-22-74, Cl. 307-115.000.

Herr, Kurt F., to GTE Automatic Electric Laboratories, Incorporated. Test desk including a manually controlled connect matrix. 3,812,302, 5-21-74, Cl. 179-175.20r.

Herr, Lewis, to Piper Aircraft Corporation. Jet pump for aircraft cabin pressurization system. 3,842,720, 10-22-74, Cl. 98-1.500.

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Herr, Milton E.: *See*—
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Herr, Milton E.; Murray, Herbert C.; and Fonken, Gunther S., to Upjohn Company, The. Oxygenated N-benzolyl-N,2,3,3-tetramethyl-exo-2-norbornanamines. 3,847,982, 11-12-74, Cl. 260-558.00r.

Herr, Nicholas George. Needle. 3,834,599, 9-10-74, Cl. 223-102.000.

Herr, Robert W.; Sigl, Edward D.; and Aksamit, Marion W., to Bowmar Instrument Corporation. Thermal printer. 3,845,850, 11-5-74, Cl. 197-1.00r.

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Herrell, Dennis J., to International Business Machines Corporation. Binary adder using josephoson devices. 3,784,854, 1-8-74, Cl. 307-212.000.

Herrell, Dennis J., to International Business Machines Corporation. Multicontrol logic gate design. 3,848,259, 11-12-74, Cl. 357-5.000.

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Herrich, William A.; Pittenger, Francis H.; and Keller, John A., to Peabody Galion Corporation. Safety shield for a rear loading refuse vehicle. 3,799,375, 3-26-74, Cl. 214-83.300.

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Herrick, Carlyle S.; and Shull, James J., to General Electric Company. Means for the oxygen/temperature control of aerobic fermentations. 3,857,757, 12-31-74, Cl. 195-109.000.

Herrick, David Burton, to Dresser Industries, Inc. Assembly for centrifugal blowers and the like. 3,825,366, 7-23-74, Cl. 415-131.000.

Herrick, Norman A., to Picker Corporation. Protective circuit for limiting the input power applied to an X-ray tube and method of operation. 3,842,280, 10-15-74, Cl. 250-401.000.

Herrin, Carlos B.; Humbarger, Ross C.; and Vanderpool, James L., to Monarch Marking Systems, Inc. Coded record interpreting system. 3,811,033, 5-14-74, Cl. 235-61.11e.

Herrin, Carlos B., to Monarch Marking Systems, Inc. Method of interpretting a coded record. 3,838,251, 9-24-74, Cl. 235-61.11e.

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Herrington, Maurice Gerald, to Engineering Components, Limited. Sealing ring. 3,806,138, 4-23-74, Cl. 277-229.000.

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Herrmann, Gunter, to Bayern-Chemie Gesellschaft fur Flugchemische Antriebe mit beschrankter Haftung. Shock absorption system for a motor vehicle. 3,845,970, 11-5-74, Cl. 280-150.0ab.

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Herrmann, Walter, to Bosch, Robert, G.m.b.H. Convertible directional control valve. 3,825,028, 7-23-74, Cl. 137-270.000.

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Herrnring, Heinz Gunther, to Montblanc-Simplo GmbH. Socket structure for the ball of a ball point pen refill. 3,837,750, 9-24-74, Cl. 401-216.000.

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Herry, Michel Jean; and Lejay, Augustin, said Lejay assor. to International Standard Electric Corporation. Synchronization circuit for a pcm-tdm exchange. 3,790,716, 2-5-74, Cl. 179-15.0bs.

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Hershire, Kent M., to E-Z Read Metric Rule, Inc. Measuring device. 3,818,598, 6-25-74, Cl. 33-161.000.

Hershler, Abe, to Phys-Chemical Research Corporation. Method and apparatus for measuring vapor pressure. 3,856,404, 12-24-74, Cl. 356-36.000.

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Hershner, Carlton H., Sr., to United States of America, Navy. Deep submergence ambient pressure cryogenic storage apparatus. 3,798,919, 3-26-74, Cl. 62-45.000.

Herskind, Richard E., to United States of America, Air Force. Reentry vehicle stripline slot antenna. 3,827,054, 7-30-74, Cl. 343-708.000.

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Hertler, Walter R., to Du Pont de Nemours, E. I., and Company. Photoimaging systems based upon photosensitized rearrangement of N-vinylsulfonomides to β -συλφονηλνινηλαμινεσ ~ ~ ~ ~ ~ $\lambda - \rho$

Hertling, Charles J.: *See*—
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Hertrich, Klaus, to VEB Polygraph Leipzig, Kombinat fur Polygraphische Maschinen und Austustungen. Device for adjusting the spring force on folding rollers. 3,786,742, 1-22-74, Cl. 100-99.000.

Hertrich, Klaus, to Veb Polygraph Leipzig Kombinat fur polygraphische Maschinen und Austrustungen. Rotary folding apparatus. 3,787,041, 1-22-74, Cl. 270-64.000.

Hertrich, Klaus, to Veb Polygraph Leipzig, Kombinat fur Polygraphische Maschinen und Austrustungen. Folding apparatus for web-fed rotary printing presses. 3,787,042, 1-22-74, Cl. 270-70.000.

Hertrich, Klaus, to Veb Polygraph Leipzig Kombinat fur Polygraphische Maschinen und Austrustungen. Rotating folder for printing presses. 3,787,043, 1-22-74, Cl. 270-71.000.

Hertrich, Klaus, to Veb Polygraph Leipzig Kombinat fur Polygraphische Maschinen und Ausrustungen. Folding-blade cylinder for use in rotary folding machines. 3,820,774, 6-28-74, Cl. 270-63.000.

Hertz, Daniel, to Raytheon Company. Analog-to-digital converter level detector. 3,809,925, 5-7-74, Cl. 307-235.000.

Herubel, Jean Frederic, to Schlomberger, N., & Cie Guebwiller. Comb for textile machine. 3,787,931, 1-29-74, Cl. 19-129.00r.

Herubel, Jean Frederic, to Schlumberger, N., & Cie. Machine for separating a shoulder from a forequarter of meat. 3,811,152, 5-21-74, Cl. 17-1.00r.

Herve Et Fils Papeteries du Sentier (Societe Anonyme): *See*—
Brument, Max, 3,797,043.

Hervert, George L.; Carnahan, Robert D.; and Youtsey, Karl J., to Universal Oil Products Company. Apparatus for catalytically converting fluids. 3,785,781, 1-15-74, Cl. 23-288.00f.

Hervert, George L., to Universal Oil Products Company. Method for starting up an alkylation system. 3,825,617, 7-23-74, Cl. 260-638.480.

Hervieu, Rene. Simulator for ship navigation. 3,845,571, 11-5-74, Cl. 35-10.200.

Hervieux, Bernice, administratrix: *See*—
Hervieux, Harvey Joseph, deceased, 3,827,124.

Hervieux, Harvey Joseph, deceased (by Hervieux, Bernice, administratrix). Machine for conveying expanding and applying endless sealing members. 3,827,124, 8-6-74, Cl. 29-200.00a.

Herwig, Walter: *See*—
Bohn, Lothar; Cherdron, Harald; Fleissner, Manfred; and Herwig, Walter, 3,787,530.
Brinkmann, Ludwig; and Herwig, Walter, 3,787,371.

Herwig, Walter; and Kern, Rudolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermoplastic polyester molding compositions. 3,843,615, 10-22-74, Cl. 260-860.000.

Herwig, Walter; and Kleiner, Hans-Jerg, to Farbwerke Hoechst Aktiengesellschaft. Flame resistant thermoplastic polyesters. 3,853,819, 12-10-74, Cl. 260-75.00p.

Hery, Jean-Francois. Protective mattress. 3,789,438, 2-5-74, Cl. 5-91.000.

Herz, Andre, to Minigrip, Inc. Profiled closing members with slide. 3,790,992, 2-12-74, Cl. 24-201.00c.

Herz, Andre, to Minigrip, Inc. Apparatus for extruding tubing for fastener bags. 3,841,816, 10-15-74, Cl. 425-326.00r.

Herz, Arthur H.; McGolgin, William C.; Hayward, John S.; and Peterson, Otis G., to Eastman Kodak Company. Laser containing an organic dye lasing composition. 3,818,371, 6-18-74, Cl. 331-94.501.

Herz, Arthur Herman; and Westcott, Edwin Russell, to Eastman Kodak Company. Silver halide emulsion stabilized with isoselenoureas or ketoselenozolidines. 3,811,896, 5-21-74, Cl. 96-100.000.

Herz, Arthur Herman; and O'Brien, David Frank, to Eastman Kodak Company. Non-polymeric peptizers for silver halide suspensions. 3,850,645, 11-26-74, Cl. 96-114.700.

Herz, Luis: *See*—
Mundlos, Eberhard; Herz, Luis; Neeb, Rudolf; Mohr, Reinhard, and Ostermeier, Johann, 3,806,504.

Herz, Richard George, to Hercules Incorporated. Solid propellant powered rocket motor control system. 3,839,861, 10-8-74, Cl. 60-234.000.

Herz, Rudolf, to Hellige, Fritz, & Co., G.m.b.H. Electrocardiogram monitoring apparatus. 3,829,766, 8-13-74, Cl. 324-77.00r.

Herzberg, Claus; and Dollbaum, Wilhelm, to Holtz & Willemsen. Method of dehulling legumes. 3,782,968, 1-1-74, Cl. 426-511.000.

Herzhoff, Peter; Gref, Hans; Schweicher, Wolfgang; Frenken, Hans; Voss, Karl; Platz, Stephan; Koepke, Gunther; and Brauniger, Georg, to Agfa-Gevaert Aktiengesellschaft. Process for coating a web surface with a plurality of emulsion coating layers. 3,793,05, 2-19-74, Cl. 117-34.000.

Herzhoff, Peter; Gref, Hans; Maus, Fritz; Browtzki, Kurt; Friedsam, Josef; Wasser, Willi; and Schweicher, Wolfgang, to Agfa-Gevaert Aktiengesellschaft. Solidification of gelatin emulsions. 3,797,551, 3-19-74, Cl. 159-3.000.

Herzhoff, Peter; Gree, Hans; Schweicher, Wolfgang; Voss, Karl, Peckhaus, Oscar; Frenken, Hans; and Bussmann, Heinrich, to Agfa-Gevaert Aktiengesellschaft. Apparatus for slowing down and stopping moving webs or foil. 3,799,419, 3-26-74, Cl. 226-11.000.

Herzig, Albert M. Automatic closure for containers. 3,825,157, 7-23-74, Cl. 222-212.000.

Herzig, Wolfgang: *See*—
Schenkel, Klaus Dieter; Herzig, Wolfgang; Schehrer, Rudolf; and Hildenbrand, Rupert, 3,846,587.

Herziger, Gerd Bernd; and Steffen, Jurg, to Institut fur angwandte Physik der Universitat Bern and Pierres Holding S.A. Laser apparatus supported by an optical bench. 3,805,015, 4-16-74, Cl. 219-121.001.

Herzing, Vernon J.: *See*—
Tole, Ingvar L.; Herzing, Vernon J.; Miller, Everett L.; and Lightfoot, George L., 3,790,004.
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Herzl, Peter J., to Fischer & Porter Company. Signal recovery system for vortex type flowmeter. 3,854,334, 12-17-74, Cl. 73-194.00b.
Herzog, Alexis; and Brechbuehler, Hans Ulrich, to Ciba-Geigy Corporation. Azido-s-triazines. 3,853,868, 12-10-74, Cl. 260-249.600.
Herzog, Alexis, to Ciba-Geigy Corporation. Method of combating insects. 3,856,950, 12-24-74, Cl. 424-225.000.
Herzog, Alfred: *See—*
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Herzog, Donald George: *See—*
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Herzog, Gottfried. Vibrating plate mill for batch operation. 3,840,191, 10-8-74, Cl. 241-199.100.
Herzog, Hans Bernhard; and Hoppe, Rudolf, to Ciba-Geigy AG. Process for the preparation of triarylphosphites. 3,823,207, 7-9-74, Cl. 260-976.000.
Herzog, Heinz O.: *See—*
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Herzog, Hershel L.: *See—*
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Herzog, Josef: *See—*
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Herzog, Klaus, to Zeiss-Stiftung, Carl; d/b/a Zeiss, Carl. Method and apparatus for detecting relative deviations in position of two parts moved in a predetermined desired relationship. 3,816,712, 6-11-74, Cl. 235-92.0mp.
Herzog, Raymond A., to Cincinnati Butcher's Supply Company, The. Track gate structure. 3,795,199, 3-5-74, Cl. 104-100.000.
Herzog, Rollie R., to General Electric Company. Emergency instant-start lighting system for rapid start lighting devices. 3,836,815, 9-17-74, Cl. 315-86.000.
Herzog, Stanley: *See—*
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Herzog, William F., to Ampex Corporation. Time-base error correction system. 3,851,100, 11-26-74, Cl. 178-69.50r.
Herzog, William S. Power transmission apparatus. 3,835,731, 9-17-74, Cl. 74-682.000.
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Lincoln, Lewis L.; and Heseltine, Donald W., 3,854,956.
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Heskett, Don E.; and Heskett, John Barthello, to Morton-Norwich Products, Inc., mesne. Fluid treating apparatus and method. 3,817,381, 6-18-74, Cl. 210-140.000.
Heskett, Don Edward, to Morton-Norwich Products, Inc. Fluid treating apparatus. 3,831,754, 8-27-74, Cl. 210-80.000.
Heskett, Donald E.; and Heskett, John S., to Norton-Norwich Products, Inc., mesne. Method of making fluid purification device. 3,851,026, 11-26-74, Cl. 264-54.000.
Heskett, John Barthello: *See—*
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Stewart, John D.; and Heslep, Milton E., 3,817,039.
Hesler, Milton E.: *See—*
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Heslinga, Lammert; Pabon, Hendrik Jacob Johannes; and van Dorp, David Adrian, to Lever Brothers Company. Process for preparing ethylenic carboxylic acids. 3,824,262, 7-16-74, Cl. 260-409.000.
Hespenheide, Wilbur G., to Xerox Corporation. Recording system using magnetic core matrix. 3,803,638, 4-9-74, Cl. 346-74.0mc.
Hess & Cie Metallwarenfabrik: *See—*
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Hess, Alexander McD. Projecting device hitting means. 3,809,047, 5-7-74, Cl. 124-1.000.
Hess, Bernhard; Raichle, Karl; Rudolph, Hans; and Fuhr, Karl, to Bayer Aktiengesellschaft. Storage-stable moulding and coating compositions. 3,845,162, 10-29-74, Cl. 260-863.000.
Hess, Charles Henry. Material removing bit. 3,852,923, 12-10-74, Cl. 51-352.000.
Hess, Earl H.; Kennedy, Daniel M.; and Whitman, Charles I., to International Copper Research Association, Inc. Stable copper base fungicides. 3,846,545, 11-5-74, Cl. 424-143.000.
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Hess, Frederick R.; and Knott, Sydney T., to United States of America, Navy. Ambient pressure powered cable cutter. 3,817,200, 6-18-74, Cl. 114-221.00a.
Hess, Hans, to Rheinstahl AG. Dampened locomotive bogie axle. 3,841,232, 10-15-74, Cl. 105-224.00r.
Hess, Hans; Mueller, Guenther; and Stolte, Horst, to Ciba-Geigy Corporation. Flowable pancreatin preparation of low germ content, and a process for its manufacture. 3,844,891, 10-29-74, Cl. 195-68.000.
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Hess, Hans-Jurgen E.; and Nelson, Roger P., to Pfizer Inc. (2-Imidazolin-2-ylamino)substituted benzo(b) thiophenes for treating hypertension. 3,808,335, 4-30-74, Cl. 424-273.000.
Hess, Hans-Jurgen E.; and Nelson, Roger P., to Pfizer Inc. 11-Deoxoglycyrrhetinic acid piperazides useful as antiulcer agents. 3,814,766, 6-4-74, Cl. 260-268.0pc.
Hess, Hans-Jurgen Ernst: *See—*
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Hess, Heinrich J., to General Electric Company. Seales primary sodium-halogen battery with bromine-iodine mixture. 3,793,080, 2-19-74, Cl. 136-83.000.
Hess, Heinz: *See—*
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Hess, Howard V.: *See—*
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Hess, Howard V.; and Cole, Edward L. Apparatus for removing oil from water. 3,800,950, 4-2-74, Cl. 210-242.000.
Hess, Howard V.; and Cole, Edward L. Compact sewage treatment unit. 3,807,564, 4-30-74, Cl. 210-177.000.
Hess, Howard V.; Cole, Edward L.; and Franz, William F., to Texaco Inc. Integrated kraft pulping process including hydrogen sulfide pretreatment of wood chips and sulfur dioxide treatment of black liquor to lower pH thereof prior to coking. 3,832,279, 8-2774, Cl. 162-82.000.
Hess, Howard V.; Franz, William F.; and Cole, Edward L., to Texaco Inc. Formation reduction in pressure coking equipment. 3,855,069, 12-17-74, Cl. 201-2.500.
Hess, Jean-Marc; and Knop, Adolph, to Constructions Electrotechniques du Centre. Inductor having a magnetic casing formed by stacked stampings. 3,824,517, 7-16-74, Cl. 336-83.000.
Hess, John J., 15% to Hess, Frances A., 15% to Cutcher, Gerald V., DPM P. C. and 15% to Clayton, John B. Football gameboard with play indicators. 3,806,120, 4-23-74, Cl. 273-44.00r.
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Hess, Jurgen, to Bosch, Robert, G.m.b.H. Motor vehicle cooling system with by pass regulated heat exchanger. 3,851,494, 12-3-74, Cl. 62-196.000.
Hess, Kenneth L. Waterproof signal light for boat trailers. 3,819,926, 6-25-74, Cl. 240-7.10r.
Hess, Leodegar, to Heberlein & Co., AG. Apparatus for heating of endless filaments, yarns or the like. 3,791,120, 2-12-74, Cl. 57-34.0hs.
Hess, Louis R., to Pacific Air Products Co. Louver unit having a fire resistant seal. 3,832,940, 9-3-74, Cl. 98-110.000.
Hess, Martin S.: *See—*
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Hess, Patrick H., to Chevron Research Company. Method for delaying the setting of an acid-settable liquid in a terrestrial zone. 3,850,249, 11a26-74, Cl. 166-295.000.
Hess, Peter, to Metallwerke Max Brose & Co. Adjustable seat inclination fitting. 3,833,965, 9-10-74, Cl. 16-146.000.
Hess, Richard L. Single actuator for effecting multiple controls. 3,784,746, 1-8-74, Cl. 179-1.0gq.
Hess, Robert L.: *See—*
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Hess, Robert L.; and Konohue, Edward P., to Westinghouse Electric Corporation. Resiliently-mounted blast-shield for the tank of an oil-circuit breaker. 3,805,002, 4-16-74, Cl. 200-150.00r.
Hess, Roger Warner: *See—*
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Hess, Rollie O. Combination granary and feeder for livestock. 3,855,971, 12-24-74, Cl. 119-52.0af.
Hess, Roy Paul. Three-dimensional vertical stacking dominogame apparatus. 3,827,695, 8-6-74, Cl. 273-137.00d.
Hess, Walter F.: *See—*
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Hess, William Emil, Jr., to Bell Telephone Laboratories, Incorporated. Electronic pulse amplifier circuits. 3,789,241, 1-29-74, Cl. 307-255.000.
Hess, Wolfgang: *See—*
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Hess, Wolfgang, to Girling Limited. Brake pads and wear indicators therefor. 3,783,979, 1-8-74, Cl. 188-1.00a.
Hess, Wolfgang, to Girling Limited. System for disengaging a clutch in the transmission of a vehicle. 3,817,358, 6-18-74, Cl. 192-.033.
Hessburg, Philip C. Training device for swimmers. 3,810,614, 5-14-74, Cl. 272-71.000.
Hesse, Earl J.; Cimperman, Frederick J.; and Severson, Howard B., to Vistan Corporation. Cherry stemming machine. 3,851,573, 12-3-74, Cl. 99-640.000.
Hesse, Jack E.: *See—*
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Hesse, Karl-Dieter; and Von Portatius, Hans, to Chemische Werke Huls Aktiengesellschaft. Process for the production of liquid butadiene polymers. 3,852,373, 12-3-74, Cl. 260-680.00b.
Hesse, Kurt. Adapter for current distributor rail. 3,825,879, 7-23-74, Cl. 339-21.00r.
Hesse, Kurt. Lighting fixture. 3,837,607, 9-24-74, Cl. 248-278.000.
Hesse, Kurt. Adaptor for an electrical power distributor track. 3,848,715, 11-19-74, Cl. 191-45.00r.
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Hessert, James E., to Phillips Petroleum Company. Method for reducing gas production. 3,782,467, 1-1-74, Cl. 166-261.000.
Hessert, James E., to Phillips Petroleum Company. Method of reducing lost circulation during well drilling. 3,818,998, 6-25-74, Cl. 175-72.000.
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Hesskamp, Arthur W.; Hellens, Paul B.; and Di Matteo, Albert J., to Chrysler Corporation. Parking brake. 3,850,266, 11-26-74, Cl. 188-70.00r.
Hesslein, Robert J.; Chamberlin, Robert W.; and Lanphere, Gerald B., to Lipe Rollway Corporation. Bar end positioner. 3,820,668, 6-28-74, Cl. 214-1.500.
Hesson, Christer Ragnar: *See—*
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Hester, Benny Lee, to Reynolds, R. J., Tobacco Company. Apparatus for making precision holes in a web. 3,805,649, 4-23-74, Cl. 83-177.000.
Hester, Howard D.; and Wanlass, Bert R., to General Motors Corporation. Telescopic counterbalance. 3,851,908, 12-3-74, Cl. 292-262.000.
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Hester, Jackson B., Jr., to Upjohn Company, The. 4H-1,2,4-Triazolobenzophenone compounds. 3,812,140, 5-21-74, Cl. 260-308.00r.
Hester, Jackson B., Jr., to Upjohn Company, The. 1,2,4,5-Tetrahydropyrrolo [3,2,1-j k] [1,4]-benzodiazepin-7 (6H)-ones and 1,2,4,5-tetrahydropyrrolo [1,2,3-ef][1,5]-benzodiazepin-6 (7H)-ones. 3,824,230, 7-16-74, Cl. 260-239.30t.
Hester, Jackson B., Jr., to Upjohn Company, The. 1,2,3,4,5,6-Hoxahydroazepino [4,5-b] indoles. 3,839,357, 10-1-74, Cl. 260-326.50b.
Hester, Jackson B., Jr.; and Gall, Martin, to Upjohn Company, The. 4-[α(Phenyl)-0-tolyl]-4H-1,2,4-triazoles. 3,842,089, 10-15-74, Cl. 260-296.00r.
Hester, Jackson B., Jr.; and Szmuszkovicz, Jacob, to Upjohn Company, The. 3-Pyridyl-9H-dibenzo[c,f]-S-triazolo[4,3-a] azepine. 3,850,942, 11-26-74, Cl. 260-296.00p.
Hester, Jackson B., Jr.; and Gall, Martin, to Upjohn Company, The. Benzodiapines used as minor tranquilizers. 3,852,461, 12-3-74, Cl. 424-273.000.
Hester, Jackson B., Jr., to Upjohn Company, The. 2-[2-(Substituted aminomethyl)-4H-1,2,4-thiazol-4-yl]benzophenones. 3,856,792, 12-24-74, Cl. 260-247.50r.
Hester, Jackson B., Jr., to Upjohn Company, The. Process for preparing 2,4-dihydro-6-phenyl-1H-s-triazolo [4,3-a][1,4]benzodiazepin-1-one compounds. 3,856,809, 12-24-74, Cl. 260-308.00c.
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Hester, Robert; and Pierson, Howard P., to Eastman Kodak Company. Waste recovery of thermoplastic continuous filamentary material. 3,795,468, 3-5-74, Cl. 425-208.000.
Hester, William A., to Eastex Packaging, Inc. Handle for carton. 3,814,304, 6-4-74, Cl. 229-52.0al.
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Hetherington, Colin S. Pneumatic pruning shear. 3,808,683, 5-7-74, Cl. 30-228.000.
Hetherington, Irvine Keers; Pritchett, Robert Leonard; and York, Robert Kenneth, to Bell Telephone Laboratories, Incorporated. Integrated circuit switching network providing crosspoint gain. 3,786,425, 1-15-74, Cl. 340-166.00r.
Hetherington, Matthew James; and Atkinson, Peter, to British Steel Corporation. Rotary ultrasonic testing apparatus. 3,837,202, 9-24-74, Cl. 73-71.50u.
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Hetherington, Sidney W. Humidifier. 3,824,985, 7-23-74, Cl. 126-113.000.
Hetherington, Theodore W.; and Strunk, Larry L., to Tenneco Inc. Muffler with plural inlets and outlets. 3,794,139, 2-26-74, Cl. 181-56.000.
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Hetland, Thomas Erwin, to Whirlpool Corporation. Upright vacuum cleaner-drive motor control. 3,857,076, 12-24-74, Cl. 318-257.000.

Hetrich, Harold Arthur, to Western Electric Company, Incorporated. Fluidic masking. 3,823,048, 7-9-74, Cl. 156-345.000.

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Hetteen, Edgar E., to Arctic Enterprises, Inc. Automatic shut-off switch. 3,789,938, 2-5-74, Cl. 180-5.00r.

Hettich, Alfred; and Stroezel, Reinhold, to Bosch, Robert, G.m.b.H. Hammer-drill. 3,834,468, 9-10-74, Cl. 173-48.000.

Hettich, Hugo. Battery driven clock with a self-regulating escapement system and a plastics material housing. 3,837,160, 9-24-74, Cl. 58-19.00r.

Hettich, Karl: *See—*
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Hettich, Otto: *See—*
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Hettick, George R.; Little, Donald M.; and Bauer, Robert D., to Phillips Petroleum Company. Catalytic reactor. 3,792,981, 2-19-74, Cl. 23-288.00r.

Hettler, Hans: *See—*
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Hetz, Walter: *See—*
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Hetz, Walter, to Siemens Aktiengesellschaft. Device for adjusting dental illumination. 3,818,217, 6-18-74, Cl. 240-41.150.

Hetz, Wolfgang, to Handels, Roth, GmbH. Sorption agent for non solid metals. 3,849,533, 11-19-74, Cl. 423-99.000.

Hetzel, Donald S., to Pfizer, Inc. 4 and 3,5 substituted derivatives of 1,2-bistrihydrocarbylsiloxy-1-cyclopentenes. 3,843,704, 10-22-74, Cl. 260-448.80r.

Hetzel, Douglas R.: *See—*
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Hetzel, Max, to Elresor SA. Electromechanical band-pass filter. 3,803,521, 4-9-74, Cl. 333-71.000.

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Hetzer, Harry Depew; and Consentino, Augustine V., to GTI Corporation. Hose and tubing assembly closures. 3,814,135, 6-4-74, Cl. 138-89.000.

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Heubeck, Erich, to Siemens Aktiengesellschaft. Dentist's working tool. 3,823,475, 7-16-74, Cl. 32-22.000.

Heuckroth, Carl C., to Van Dorn Company. High temperature infrared generator. 3,796,212, 3-12-74, Cl. 126-92.00b.

Heuer, Charles H., to Zenith Radio Corporation. Interactive manual preset controls for a color television receiver. 3,839,597, 10-1-74, Cl. 358-28.000.

Heugebaert, Frans Clement: *See—*
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Heule, James E., to Audronics, Inc. Blood level detector. 3,851,181, 11-26-74, Cl. 250-577.000.

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Heuring, Vincent Paul, to Procter & Gamble Company, The. Process for cleaning soiled hydrophobic polyamide and polyester fabrics. 3,843,388, 10-22-74, Cl. 117-66.000.

Heuschen, Alexander; Schaefer, Hans; Budich, Wolfgang; Krah, Robert; and Obermeier, Karl, to Dynamit Nobel Aktiengesellschaft. Self-aligning, miter joint connecting means. 3,836,274, 9-17-74, Cl. 403-401.000.

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Heusler, Karl; and Woodward, Robert Burns, to Ciba-Geigy Corporation. Certain 4-thia-2,6-diazabicyclo[3.2.0]heptane derivatives. 3,799,938, 3-26-74, Cl. 260-306.700.

Heusler, Karl; and Woodward, Robert Burns, to Ciba-Geigy Corporation. Process for the manufacture of 6-amino-3-carbonyl amino-penam compounds. 3,801,567, 4-2-74, Cl. 260-239.100.

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Heusser, Eduard, to Zellweger Ltd. Yarn changing mechanism. 3,805,607, 4-23-74, Cl. 73-160.000.

Heusser, Jean; and Glasbrenner, Max, to Hommel Aktiengesellschaft. Pharmaceutical preparation for therapeutic treatment, and method of carrying out therapeutic treatments. 3,845,209, 10-29-74, Cl. 424-254.000.

Heussy, William C.; Vetor, Earl L.; Delaney, Keith P.; and Hyde, Paul E., to Evans Products Company. Endless belt processing apparatus. 3,845,737, 11-5-74, Cl. 118-8.000.

Heuston, Kevin Hague, to Australia, Commonwealth of, care of Department of the Army. Water sterilizing composition and tablets. 3,843,545, 10-22-74, Cl. 252-181.000.

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Hewitt, Donald W.: *See—*
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Hewitt, Gordon Trent, to Colgate-Palmolive Company. Soap curd dispersant. 3,843,543, 10-22-74, Cl. 252-153.000.

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Hewitt, Harlan D. Automobile construction for safety of occupants. 3,831,998, 8-27-74, Cl. 296-35.00r.

Hewitt, John G. Coin packaging apparatus. 3,857,224, 12-31-74, Cl. 53-131.000.

Hewitt, John H.; and Richardson, Deane W., to Goodyear Tire & Rubber Company, The. Handrail guard. 3,835,977, 9-17-74, Cl. 198-16.00r.

Hewitt, Terry L., to General Electric Company. Electronic random-access slide projector controller. 3,814,909, 6-4-74, Cl. 235-92.0mp.

Hewitt, William Lloyd, to Cam-Stat Incorporated. Spark igniter for a plurality of gas burners. 3,813,581, 5-28-74, Cl. 317-96.000.

Hewitt, William Lloyd, to Cam Stat Incorporated. Interlock circuit. 3,814,991, 6-4-74, Cl. 317-141.00s.

Hewlett, James A., to KDI Corporation. Cryogenic transfer swivel. 3,843,171, 10a22-74, Cl. 285-98.000.

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Hewson, John E. Differential pressure transducer process mounting support. 3,817,283, 6-18-74, Cl. 137-608.000.

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Hexdall, Andrew M. Packing cutter. 3,840,989, 10-15-74, Cl. 30-231.000.

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Heye, Herman, Firma: *See—*
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Heyes, James; and Ward, Neal, to Beecham Group Limited. Heterocyclic compounds in pharmaceutical compositions and methods. 3,821,415, 6-28-74, Cl. 424-273.000.

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Heyn, William O.; and Peisker, Glenn W., to Chicago Rawhide Manufacturing Company. Fluid seal with pumping action. 3,790,180, 2-5-74, Cl. 277-134.000.

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Heynisch, Winrich; Kellerer, Josef; and Schneider, Walter, to Siemens Aktiengesellschaft. Disc-sealed electron discharge tubes. 3,798,499, 3-19-74, Cl. 315-39.000.
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Heywang, Hermann; Kobale, Manfred; Preissinger, Karl-Heinz; Ristow, Dietrich; and Wehnelt, Ulrich, to Siemens Aktiengesellschaft. Electrical capacitors and method of making same. 3,857,074, 12-24-74, Cl. 317-258.000.
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Hicks, John Wilbur, Jr. Glass blade and glass blade blank. 3,831,466, 8-27-74, Cl. 76-104.00r.
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Higgins, Jerome C. Removable cover for paint container rim. 3,811,606, 5-21-74, Cl. 272-570.000.
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Higgins, Paul T., to Bendix Corporation, The. Stereoscopic gage and gaging system. 3,837,198, 9-24-74, Cl. 72-9.000.
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Higgins, Roger K.; and Spetner, Lee M., to United States of America, Navy. Multithreshold analog to digital converter. 3,806,915, 4-23-74, Cl. 340-347.0ad.
Higgins, Ronald W.; and Massaro, Donald J., to Memorex Corporation. Disk recorder arm assembly. 3,812,535, 5-21-74, Cl. 360-103.000.
Higgins, Wesley J.: *See—*
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Higgins, William Albert; and Ehren, Irwin Robert, to Lubrizol Corporation, The. Rheology modifiers for inks. 3,819,386, 6-25-74, Cl. 106-27.000.
Higginson, Bernard E., to Beneke Division, Beatrice Foods Co. Self-raising seat. 3,825,958, 7-30-74, Cl. 4-240.000.
Higginson, Roy C. Tandem axle suspension assembly. 3,841,652, 10-15-74, Cl. 280-104.50b.
Higgs, Kenneth O.; Richmond, Robert C.; and Marsch, Lawrence F., to Texaco Inc. Consistometer. 3,812,706, 5-28-74, Cl. 73-59.000.
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Highberg, Carle W.; and Roesch, George R., to Engelhard Minerals & Chemicals Corporation. Sheet glass core drilling machine. 3,813,820, 6-4-74, Cl. 51-81.000.
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Highberg, Carle W.; and Roesch, George R., to Engelhard Minerals & Chemicals Corporation. Multiple spindle cluster for sheet glass core drilling machine. 3,828,479, 8-13-74, Cl. 51-81.00r.
Highberger, Grant H., to Republic Steel Corporation. Fluid-cooled panel for furnace hood. 3,854,708, 12-17-74, Cl. 266-16.000.
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Hignite, Walter. Rubbish disposal method. 3,835,652, 9-17-74, Cl. 61-35.000.
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Higuchi, Shunichiro; and Katayose, Kazunobu, to Okamura Manufacturing Company Limited. Forward-reverse clutch control apparatus. 3,840,099, 10-8-74, Cl. 192-4.00a.
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Higuchi, Yoshitaka; and Ishii, Susumu, to Yoshida Kogyo Kabushiki Kaisha. Twin pull tab slider. 3,852,851, 12-10-74, Cl. 24-205.111.
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Hill, Arthur D.; deceased (by Hill, Ann M.; administratrix). Propulsion device having at least one flexible blade. 3,806,277, 4-23-74, Cl. 416-132.000.

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Hill, Charles C.; and Ross, James A., to Rohr Industries, Inc. Passive switching system. 3,822,647, 7-9-74, Cl. 104-130.000.

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Hill, Donald C., to Eaton Corporation. Piston ring. 3,813,106, 5-28-74, Cl. 277-173.000.

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Hill, Jack J.: *See—*
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Hill, Joseph Henry; Walmsley, Robert Edwin; and Parker, Derrick Douglas, to Vandervell Products Limited. Bearings for Railway Vehicles. 3,799,632, 3-26-74, Cl. 308-56.000.
Hill, Kenneth L.; and Wilson, Kenneth R., to FMC Corporation. Anilide carbamates as herbicides. 3,857,693, 12-31-74, Cl. 71-106.000.
Hill, Kenneth Lee; and McCarthy, John Francis, to FMC Corporation. Plant regulator compositions and method. 3,837,834, 9-24-74, Cl. 71-76.000.
Hill, Kenneth R., to Mallory, P. R., & Co., Inc. Method of making an organic charge transfer complex cathode. 3,804,675, 4-16-74, Cl. 136-137.000.
Hill, Kerek Raymond; and Dahele, Jashwant Singh, to International Standard Electric Corporation. Waveguide frequency multiplier. 3,818,388, 6-18-74, Cl. 333-73.00w.
Hill, Kim, to General Motors Corporation. Door lock actuator. 3,784,242, 1-8-74, Cl. 292-336.300.
Hill Laboratories Company: *See—*
Hill, Howard A., 3,830,233.
Hill, Larry G. Yogurt-containing dough composition and baked product made therefrom. 3,846,561, 11-5-74, Cl. 426-19.000.

Hill, Lester M., to Beloit Corporation. Paper formation utilizing a large diameter suction roll. 3,855,057, 12-17-74, Cl. 162-301.000.
Hill, Lyle M., to Raytheon Company. Analyzer for comparing the response of an organism to a reference pattern. 3,794,968, 2-26-74, Cl. 340-52.00r.
Hill, Marion E.; and Ross, Leonard O., to United States of America, Atomic Energy Commission. Process for producing fluoronitro alcohol compounds. 3,783,144, 1-1-74, Cl. 260-633.000.
Hill, Marion E.; Tolberg, Wesley E.; and McDonald, Gerald J., to United States of America, Army, mesne. Process for the manufacture of trinitrotoluene. 3,799,993, 3-26-74, Cl. 260-645.000.
Hill, Martin Arthur; and Wardlaw, Russell, to Cookson Company, The. Self-acting lock for articulated, rolling grilles. 3,850,465, 11-26-74, Cl. 292-231.000.
Hill, Max E., to Frederick-Willys, Inc. Collapsible game table. 3,830,495, 8-20-74, Cl. 273-30.000.
Hill, Menno E. Industrial roller or wheel. 3,815,959, 6-11-74, Cl. 301-63.0pw.
Hill, Michael Walter, to RCA Corporation. Dynamic convergence circuits. 3,786,300, 1-15-74, Cl. 315-13.00c.
Hill, Nigel Austin, to Morgan Refractories Limited. Refractories. 3,847,629, 11-12-74, Cl. 106-65.000.
Hill, Paul R.: *See*—
Wilkins, Daniel R.; and Hill, Paul R., 3,801,445.
Hill, Raymond Roger. Liquid flow valve system. 3,827,827, 8-6-74, Cl. 417-28.000.
Hill, Richard D., to A & A Engineering Company. Digital readout method and apparatus. 3,857,200, 12-31-74, Cl. 51-5.00d.
Hill, Richard S. Horse bit assembly. 3,837,142, 9-24-74, Cl. 54-6.000.
Hill, Robert; Bliss, George D.; and Szakacs, Janos B. Reverse flow flushing apparatus for animal housing systems. 3,828,732, 8-13-74, Cl. 119-22.000.
Hill, Robert C.: *See*—
Dahlin, Erik B.; and Hill, Robert C., 3,828,190.
Hill, Robert E., to Roppers Company, Inc. Aesthetic wood product. 3,839,073, 10-1-74, Cl. 117-57.000.
Hill, Robert E. Gas supply system. 3,844,306, 10-29-74, Cl. 137-256.000.
Hill, Robert E. Gas supply system. 3,847,173, 11-12-74, Cl. 137-110.000.
Hill, Robert E., to Koppers Company, Inc. Iron stain inhibitors. 3,850,683, 11-26-74, Cl. 117-147.000.
Hill, Robert H.: *See*—
Matsko, Joseph J.; Hill, Robert H.; and Lange, Emroy W., 3,821,607.
Hill, Robert J.; Taylor, Ronald K.; and Olsen, Ronald N., to Recall Systems, Inc. Reminder system and apparatus. 3,817,374, 6-18-74, Cl. 209-74.00r.
Hill, Robert T., to General Motors Corporation. Air vent in vehicle compartment panel. 3,814,001, 6-4-74, Cl. 98-2.000.
Hill, Robert W.: *See*—
Anderson, Raymond P.; and Hill, Robert W., 3,794,625.
Hill, Roger J.: *See*—
Blair, Richard F.; Hill, Roger J.; and Le May, Dan B., 3,792,609.
Hill, Ronald A.: *See*—
Hartley, Danny L.; and Hill, Ronald A., 3,825,325.
Hill, Ronald C., to General Motors Corporation. Contoured body panel. 3,838,881, 10-1-74, Cl. 296-28.00r.
Hill, Ronald D.; Wilmoth, Roger C.; and Scott, Robert B., to United States of America, Environmental Protection Agency. Reverse osmosis-neutralization process for treating mineral contaminated waters. 3,795,609, 3-5-74, Cl. 210-23.000.
Hill, Ruth Linda; and Rosenoff, Alan E., to Polaroid Corporation. Silver halide emulsion containing sensitizing dye combination. 3,799,783, 3-26-74, Cl. 96-124.000.
Hill, Samuel Alan: *See*—
Mantle, Barry David George; and Hill, Samuel Alan, 3,823,829.
Hill, Stuart Anthony; Searle, Edwin Herbert; and Lister, Barbara Jean, to Beecham Group Limited. Pharmaceutical tablet. 3,822,343, 7-2-74, Cl. 424-22.000.
Hill, Telford C., Jr. Can opener. 3,793,722, 2-26-74, Cl. 30-6.100.
Hill, Thomas Bernard; and Butterell, Robin Darker. Battery powered electric monorail car and track system. 3,817,183, 6-18-74, Cl. 104-119.000.
Hill, Thomas Burton, Jr.; and Pendrey, Arthur Legrand, to Salem Sand and Gravel Company. Apparatus for photographing pipeline interiors. 3,827,068, 7-30-74, Cl. 354-63.000.
Hill, Tom H., to Esso Production Research Company. Surface controlled subsurface safety valve. 3,794,112, 2-26-74, Cl. 166-64.000.
Hill, Tom H., to Exxon Production Research Company. Method of operating a surface controlled surface safety valve. 3,850,238, 11-26-74, Cl. 166-314.000.
Hill, Tore L.; and Mankowitsch, Robert. Combined screw driving and screw gripping tool. 3,831,648, 8-27-74, Cl. 145-50.00d.
Hill, Vernon J., Jr.; Southam, Earl A.; and McDowell, John R., to Lindsay Wire Weaving Company. Seam for woven paper making fabrics. 3,784,133, 1-8-74, Cl. 245-10.000.
Hill, William E., to United States of America, Army, mesne. Propulsion method using 1-isopropenyl-2-ferrocenoyl-carborane burning rate catalyst. 3,789,609, 2-5-74, Cl. 60-219.000.
Hill, William E., to United States of America, Army, mesne. Fast burning double-base propellant. 3,791,893, 2-12-74, Cl. 149-19.000.
Hill, William E., to United States of America, Army, mesne. Fast burning composite propellant. 3,798,087, 3-19-74, Cl. 149-19.200.
Hill, William E., to United States of America, Army. Nitro derivatives of isopropenyl carborane. 3,801,647, 4-2-74, Cl. 260-606.50b.
Hill, William E.; and Beason, Lew R., to United States of America, Army, mesne. Composite modified double-base propellants with very high burning rates. 3,811,966, 5-21-74, Cl. 149-19.200.
Hill, William Frank, to Lucas, Joseph, (Electrical) Limited. Liquid level detection systems. 3,792,456, 2-12-74, Cl. 340-244.00r.
Hill, William Frank, to Lucas Electrical Company Limited, The. Cooling fan operating circuits for road vehicles. 3,823,363, 7-9-74, Cl. 322-33.000.
Hill, William Frank; and Cattermole, Roger Edward, to Lucas, Joseph, (Industries) Limited. Petrol injection systems for internal combustion engines. 3,835,821, 9-17-74, Cl. 123-32.0eh.
Hill, William Frank, to Lucas Electrical Company Limited, The. Battery charging systems. 3,843,921, 10-22-74, Cl. 322-28.000.
Hill, William Frank, to Lucas Electrical Company Limited, The. Battery charging systems. 3,858,103, 12-31-74, Cl. 320-64.000.
Hill, William H., to Peter, Strong, Research and Development Company, Inc. Denture cleansing compositions. 3,839,213, 10-1-74, Cl. 252-89.000.
Hill, William J.: *See*—
Klusmier, Kenneth L.; and Hill, William J., 3,837,465.
Lenoir, Francis X.; Metz, Bruce E.; Brooks, Ashley A.; and Hill, William J., 3,844,872.
Hill, William J.; and Klusmier, Kenneth L., to Morgan Construction. Material handling apparatus. 3,844,465, 10-29-74, Cl. 226-181.000.
Hill, William J., to Morgan Construction Company. Magnet holder for material handling apparatus. 3,856,157, 12-24-74, Cl. 214-1.0bt.
Hill, William K., to Westinghouse Electric Corporation. Standard electric utility current transformer compartment. 3,796,979, 3-12-74, Cl. 336-67.000.
Hill, William M.: *See*—
Dicks, Peter D. J.; and Hill, William M., 3,841,935.
Hill, William P., to National Steel Corporation. Apparatus for improving continuously cast strands. 3,831,660, 8-27-74, Cl. 164-275.000.
Hill, William R.: *See*—
Osborn, Dale B.; and Hill, William R., 3,814,507.
Hill-Rockford Co.: *See*—
Stenger, Donald R., 3,789,478.
Hill-Rom Company, Inc.: *See*—
Burst, Francis J.; Tekulve, Daniel R.; and Adams, James S., 3,821,821.
D'Amico, Frank J.; and Stein, William H., Jr., 3,794,395.
Fullenkamp, Eugene Henry, 3,854,428.
Hillberg, Ernest T.; and Isenberg, Lionel, to Rockwell International Corporation. Insulated tank base and insulated block. 3,818,664, 6-25-74, Cl. 52-309.000.
Hillberg, Robert L.; and Hartog, Thomas J., to Browning Arms Company. Construction for revolvers. 3,810,326, 5-14-74, Cl. 42-59.000.
Hillberg, Robert Lee, to Remington Arms Company, Inc., mesne. Auxiliary gun stock. 3,798,819, 3-26-74, Cl. 42-72.000.
Hillberry, Benny M.: *See*—
Nachtigal, Chester L.; Hillberry, Benny M.; Goodson, Raymond E.; and Leonard, Robert G., 3,836,757.
Hille Engineering Company Limited, The: *See*—
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Hille, Ernst; Hoyer, Ernst; Meininger, Fritz; and Rottmann, Johannes, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of fast dyeings and prints on fibrous material containing hydroxyl groups or nitroge. 3,788,801, 1-29-74, Cl. 8-1.00p.
Hille International Limited: *See*—
Day, Robin, 3,850,476.
Scott, Frederick, 3,857,604.
Hillebrand, Heinrich, and Schaper, Helmut, to Braunschweigische Maschinenbauanstalt. Continuously operating centrifuge. 3,837,913, 9-24-74, Cl. 127-19.000.
Hillekens, Conrardus Ludovicus Anthonius, to U.S. Philips Corporation. Signal receiver for receiving signals of different frequency. 3,836,727, 9-17-74, Cl. 179-84.0ve.
Hillemann, Robert E., 40% to Crane, Harold G. Apparatus for producing liquid coffee. 3,854,389, 12-17-74, Cl. 99-295.000.
Hillenbrand, George C.; and Wettering, Carl A., to Batesville Casket Company, Inc. Shirring machine. 3,804,688, 4-16-74, Cl. 156-205.000.
Hillenbrand, Hans, to Mauser-Werke Aktiengesellschaft. Projectile with a loose hard core. 3,795,196, 3-5-74, Cl. 102-52.000.

Hillenkamp, Franz: *See*—
Franzen, G.; Hillenkamp, Franz; Kaufman, Raimund; and Remy, Ernst, 3,813,544.
Hiller, Donald, to National Electrostatics Corporation. Devices for ionizing residual gases in vacuum systems. 3,796,917, 3-12-74, Cl. 317-4.000.
Hiller, Gary L.: *See*—
Hamb, Fredrick L.; Hiller, Gary L.; and Wise, Albert W., 3,856,526.
Hamb, Fredrick L.; Hiller, Gary L.; and Wise, Albert W., 3,856,527.
Hiller, Gary L., to Eastman Kodak Company. Stabilizer precursors in photothermographic elements and compositions. 3,839,041, 10-1-74, Cl. 96-50.00r.
Hiller, Georg. Centrifugal separator. 3,784,091, 1-8-74, Cl. 233-7.000.
Hiller, Heinrich; and Jentzsch, Wolfgang, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of anthraquinone-alpha-sulfonic acids. 3,792,065, 2-12-74, Cl. 260-370.000.
Hiller, P. Russell. Photographic slide container and transfer device. 3,810,539, 5-14-74, Cl. 206-73.000.
Hillhouse, John L.: *See*—
Fertl, Walter H.; Cavanaugh, Robert J.; and Hillhouse, John L., 3,785,446.
Hilliard, John Joseph: *See*—
Chaires, Anne Marie; Ciconte, Jean Marie; Hilliard, John Joseph; and Rosenbaum, Walter Steven, 3,839,702.
Hilliard, Lewis; and Reno, Woodrow James, to Becton, Dickinson and Company. Test system for monitoring heparin. 3,799,885, 3-26-74, Cl. 252-408.000.
Hilliard, Owen R.: *See*—
Mercer, Alan C.; and Hilliard, Owen R., 3,802,828.
Hillier, Edward Francis Herbert Benjamin; and Holmes, Anthony Roger, to Dowty Seals Limited. Production of shaped articles. 3,825,643, 7-23-74, Cl. 264-161.000.
Hilliker, Stephen Earl, to RCA Corporation. Information playback system. 3,806,668, 4-23-74, Cl. 179-100.400.
Hillinger, Hans: *See*—
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Hillis, Benjamin F.; Klint, Russell D.; and Cross, William D., to Buckbee-Mears Company. Etching of polyimide films. 3,833,436, 9-3-74, Cl. 156-13.000.
Hillman, Alfred Kimball, Jr.; Wochholz, Harold Frederick; and Penick, Dixon Brown, to Northeast Electronics Corporation. Pulse code modulated time division multiplexed data transmission system. 3,821,478, 6-28-74, Cl. 179-15.0af.
Hillman, Allen F., Jr., to GTE Laboratories, Incorporated. Electronic control module for anti-skid braking systems. 3,790,855, 2-5-74, Cl. 317-5.000.
Hillman, Allen F., Jr., to GTE Laboratories, Incorporated. Transistor multivibrator switchable between two ratios of off/on pulse times. 3,790,903, 2-5-74, Cl. 331-113.00r.
Hillman, Edwin K. Wind powered motive apparatus. 3,810,712, 5-14-74, Cl. 416-117.000.
Hillman, Edwin K., to Wind-De-Co., Inc. Underwater vane motive apparatus. 3,847,109, 11-12-74, Cl. 115-52.000.
Hillman, Herbert H.: *See*—
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Hillman, Melville E. D.: *See*—
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Hillmann, Willi, to Vahle, Paul, KG. Bus bar connection. 3,827,006, 7-30-74, Cl. 339-21.00r.
Hillmann, Willi, to Vahle, Paul, KG. Live rail and shoe construction. 3,850,270, 11-26-74, Cl. 191-29.00r.
Hillmann, Willi, to Vahle, Paul, KG. Third rail for current consumers with large current requirement and high speed. 3,850,271, 11-26-74, Cl. 191-29.0dm.
Hills, Austin Ariss. Key-receiving lock assemblies and apparatus incorporating such assemblies. 3,798,398, 3-19-74, Cl. 200-44.000.
Hills, David A., to Hersey Products, Inc. Changing bias check valve. 3,789,874, 2-5-74, Cl. 137-527.000.
Hills, Marvin S. Snap hook. 3,824,655, 7-23-74, Cl. 24-237.000.
Hills, Marvin S. Snap hook. 3,857,142, 12-31-74, Cl. 24-237.000.
Hills McCanna Company: *See*—
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Hills, Richard E.; and Patterson, Walter H. Smoke consumer. 3,850,581, 11-26-74, Cl. 23-277.00c.
Hills, Ronald William. Board game apparatus. 3,799,547, 3-26-74, Cl. 273-131.00b.
Hills, Vernon Elton; and Wu, Leesui, to RCA Corporation. Signal duration sensing circuit. 3,828,258, 8-6-74, Cl. 328-111.000.
Hills, William A., to FMC Corpogation. Bis((1-oxo-2,6,7-trioxa-1-phosphabicyclo[2.2.2] oct-4-yl)methyl) 2,5-dibromoterephthalate 3,849,522, 11-19-74, Cl. 260-927.00r.
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Hillstrom, William A.: *See*—
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Hillyer, Anthony William. Epicyclic change speed gear hubs. 3,803,947, 4-16-74, Cl. 74-750.00b.
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Hilsabeck, James R. Portable animal-excrement collector and disposal apparatus. 3,806,984, 4-30-74, Cl. 15-257.700.
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Wenzel, Ronald Arthur, 3,826,565.
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Hilt, Albrecht; Schmidt, Franz; and Schwartz, Erich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Catalyst composition for the production of trioxane polymers. 3,784,519, 1-8-74, Cl. 260-67.0fp.
Hilt, Roy A.: *See*—
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Hilterhaus, Karl. Gaff-scale with lock. 3,848,689, 11-19-74, Cl. 177-233.000.
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Hilton, Albert R., and Trachtenberg, Isaac, to United States of America, Interior. Copper ion selective sensor. 3,821,100, 6-28-74, Cl. 204-195.00g.
Hilton, Barney W.: *See*—
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Hilton, Edward W. Joint for an artificial limb. 3,825,357, 7-23-74, Cl. 403-161.000.
Hilton, Howard T., to International Business Machines Corporation. Ink drop charge compensation method and apparatus for ink drop printer. 3,828,354, 8-6-74, Cl. 346-1.000.
Hilton, John Leslie; and Faulkner, Arthur Manthorpe, to Plessey Handel und Investments A.G. Jointing clips for insulated conductors. 3,818,121, 6-18-74, Cl. 174-84.00c.
Hilton, John Leslie, to Plessey Handel Und Investments A.G. Hand-operated crimping tool. 3,824,669, 7-23-74, Cl. 29-203.0ht.
Hily, Claude, to U.S. Philips Corporation. Objective system the entrance pupil of which lies outside the system. 3,848,971, 11-19-74, Cl. 350-216.000.
Hilyard, Gail D., to Kirk, Hugh A., Vehicle occupant restraining device. 3,837,670, 9-24-74, Cl. 280-150.00b.
Himeno, Shohachi, to Conde Kabushiki Kaisha. Knife for peeling off stickers and the like. 3,818,592, 6-25-74, Cl. 30-151.000.
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Himes, William H., to Leyman Manufacturing Corporation. Cargo plattform. 3,791,541, 2-12-74, Cl. 214-75.00t.
Himes, William H. Cargo platform. 3,800,915, 4-2-74, Cl. 187-1.000.
Himes, William H., to Leyman Manufacturing Corporation. Cargo platform. 3,804,276, 4-16-74, Cl. 214-152.000.
Himi, Hitoshi, to Kabushiki Kaisha Meidensha. Bus-bar connection apparatus for an electrical machinery of metal clad type. 3,845,458, 10-29-74, Cl. 339-117.00r.
Himi, Hitoshi, to Kabushiki Kaisha. Solid insulated breaker of a small size. 3,855,435, 12-17-74, Cl. 200-144.00b.
Himics, Richard J., to Sun Chemical Corporation. Photocurable printing inks derived from 1-aza-5-hydroxymethyl-3,7-dioxabicyclo [3.3.0] octane. 3,824,164, 7-16-74, Cl. 204-159.230.

Himics, Richard J., to Sun Chemical Corporation. Crosslinking monomers containing the 1-aza-3, 7-dioxabicyclo [3.3.0] octane structure. 3,838,164, 9-24-74, Cl. 260-307.00f.

Himics, Richard J., to Sun Chemical Corporation. Photopolymerizable copolymeric compositions. 3,842,051, 10-15-74, Cl. 260-78.50e.

Himilton, Clark B.: *See*—
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Himizu, Junichi; Harigaya, Shoichi; Ishida, Akihiko; Yoshikawa, Kaoru; and Sato, Masanori, to Tanabe Seiyaku Co., Ltd. 10-Oxaprostanoic acid derivatives. 3,787,448, 1-22-74, Cl. 260-343.600.

Himmelbauer, Alain Jacques: *See*—
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Himmele, Walter; and Aquila, Werner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of pure 1-acetoxy-3-methylbut-2-en-4-al. 3,840,589, 10-8-74, Cl. 260-491.000.

Himmele, Walter; and Aquila, Werner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of α-naphthols. 3,846,497, 11-5-74, Cl. 260-592.000.

Himmelhan, Emil: *See*—
Arend, Wolfgang; Eisfeld, Karl; Haug, Peter; Himmelhan, Emil; Scholz, Heinrich; and Wegerich, Anton, 3,839,408.

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Himmelmann, Wolfgang; Von Konig, Anita; Moll, Franz; and Saleck, Wilhelm, to AGFA-Gevaert Aktiengesellschaft. Silver halide emulsion containing a stabilizing combination of an azaidene and a N,N-dialkyl-dithiocarbamic acid ester. 3,854,954, 12-17-74, Cl. 9-109.000.

Himmelsbach, Lothar: *See*—
Nagel, Erich; Engelage, Guenter; Himmelsbach, Lothar; and Frankiewicz, Gerhard, 3,799,022.

Himmelsbach, Paul, to Schneider, Jos., & Co. Optische Werke. Clock with optically displayed digital time indication. 3,783,603, 1-8-74, Cl. 58-50.00r.

Himmelsbach, Paul; and Faller, Werner, to Schneider, Jos., & Co., Optische Werke Kreuznach. Mechano-optical digital position-indicating system with vernier reading. 3,820,096, 6-25-74, Cl. 340-204.000.

Himmelstein, S., and Company: *See*—
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Himmelstein, Sydney; and Tveter, Richard S. Torque control apparatus. 3,827,506, 8-6-74, Cl. 173-12.000.

Himmler, Conrad R., to Indramat-Gesellschaft fur Industrie Rationalisierung und Automatisier mbH. Device for adjusting the stroke volume of hydraulic units. 3,811,765, 5-28-74, Cl. 91-387.000.

Himmler, Gunther; and Ohms, Klaus-Peter, to Gebr. Hofmann KG. Bearing for a balancing machine. 3,832,905, 9-3-74, Cl. 73-472.000.

Hinachi, Matatoyo: *See*—
Oishi, Kazuo; Kato, Toshiaki; Matsui, Takeshi; Hinachi, Matatoyo; and Yamada, Takashi, 3,846,796.

Hinachi, Matatoyo; and Mori, Toyoshi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Stepping motor drive control system with coil current adjustment. 3,800,206, 3-26-74, Cl. 318-696.000.

Hinai, Masakatsu: *See*—
Masumoto, Hakaru; Murakami, Yuetsu; and Hinai, Masakatsu, 3,785,880.
Masumoto, Hakaru; Murakami, Yuetsu; and Hinai, Masakatsu, 3,794,530.
Masumoto, Hakaru; Murakami, Yuetsu; and Hinai, Masakatsu, 3,837,933.

Hinata, Masanao: *See*—
Ohkubo, Kinji; Masuda, Takao; Shiba, Keisuke; Hinata, Masanao; Sato, Akira; and Ogawa, Akira, 3,782,957.
Sato, Akira; Ikeda, Tadashi; Ogawa, Akira; Shiba, Keisuke; and Hinata, Masanao, 3,832,184.
Shiba, Keisoke; Hinata, Masanao; Yamasue, Koutarou; Sato, Akira; and Ikeda, Tadashi, 3,790,390.
Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; and Yoshida, Yoshinobu, 3,793,031.
Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Ogawa, Akira; and Ikeda, Takashi, 3,832,189.
Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; and Yoshida, Yoshinobu, 3,840,373.
Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; Yoshida, Yoshinobu; and Sato, Akira, 3,840,376.
Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Ogawa, Akira; and Ikeda, Tadashi, 3,854,955.

Hinchliff, Richard W., to Merritt Equipment Co. Trailer construction. 3,796,457, 3-12-74, Cl. 296-28.00m.

Hinchliff, Richard W., to Merritt Equipment Co. Spring hanger bracket for vehicles. 3,799,562, 3-26-74, Cl. 280-104.50b.

Hinchliffe, Basil W., to Koppers Company, Inc. Multi-stage coke cooler. 3,812,018, 5-21-74, Cl. 202-230.000.

Hinckey, Sandrajeanne Bushell. Display apparatus. 3,797,150, 3-19-74, Cl. 40-124.400.

Hinckfuss, Douglas Albert, to Zinc Corporation Limited, The. Immersible absorption probe. 3,794,836, 2-26-74, Cl. 250-363.000.

Hinckley, John M., to Beloit College. Engine. 3,824,044, 7-16-74, Cl. 418-12.000.

Hinckley, John N., to Beloit College. Engine. 3,801,236, 4-2-74, Cl. 418-12.000.

Hind, Hobart M. Support means. 3,844,471, 10-29-74, Cl. 229-30.000.

Hindall, George R. Adjustable pitch pocket structure. 3,838,544, 10-1-74, Cl. 52-60.000.

Hinde, Adrian L., to Chamber of Mines Services (Properties). Wet sieving. 3,813,947, 6-4-74, Cl. 73-432.0ps.

Hinden, Alan W., to Promo-Pat Inc. Drawer and cabinet safety lock. 3,834,746, 9-10-74, Cl. 292-290.000.

Hinden, Milton; and Giannone, Charles, to Duro-Dyne Corporation. Automatic resistance welder. 3,835,285, 9-10-74, Cl. 219-98.000.

Hinden, Milton; and Giannone, Charles, to Duro-Dyne Corporation. Multi-head resistance welding apparatus. 3,858,024, 12-31-74, Cl. 219-98.000.

Hindenlang, Arthur W., to North American Mechanical Limited. Incinerator. 3,830,172, 8-20-74, Cl. 110-7.00s.

Hinderer, Helmut E.: *See*—
Bach, Hartwig C.; and Hinderer, Helmut E., 3,835,120.

Hinderer, Helmuth E.: *See*—
Bach, Hartwig C.; and Hinderer, Helmuth E., 3,855,321.

Hindermann, David Karl: *See*—
Harrod, William Lee; Hindermann, David Karl; and Sebeson, John Michael, 3,796,947.

Hindermann, Erich A. Screw conveyor. 3,812,956, 5-28-74, Cl. 198-213.000.

Hindermann, Peter: *See*—
Kolliker, Hans-Peter; Stauh, Alfred; and Hindermann, Peter, 3,803,168.
Kolliker, Hans-Peter; Staub, Alfred; and Hindermann, Peter, 3,806,524.
Schwander, Hansrudolf; Buhler, Arthur; and Hindermann, Peter, 3,857,864.

Hindermann, Peter; and Meindl, Hubert, to Ciba-Geigy AG. Process for the production of acid anthraquinone dyes. 3,842,102, 10-15-74, Cl. 260-374.000.

Hindersinn, Raymond R., to Hooker Chemical Corporation. Perchlorofulvalene homopolymer. 3,853,831, 12-10-74, Cl. 260-91.500.

Hindin, Saul G.: *See*—
Erickson, Henry; Hindin, Saul G.; Keith, Carl D.; and Mooi, John, 3,846,343.

Hindman, Clarence B.: *See*—
Dom, John A.; Hindman, Clarence B.; Argyris, Pericles A.; and Kramer, John J., 3,807,453.

Hindman, George J.: *See*—
Fitzsimons, Ogden; Radden, Charles O.; and Hindman, George J., 3,791,965.

Hindman, Milo F. Skirting for mobile homes. 3,832,813, 9-3-74, Cl. 52-169.000.

Hinds, Horace, Jr., to Grace Machinery Company, Incorporated. Apparatus for washing, cooling and separating food products. 3,791,630, 2-12-74, Cl. 259-4.000.

Hinds, James L.: *See*—
Shames, Oscar; Hinds, James L.; Palatucci, Gerald J.; and Raditz, Michael, 3,849,777.

Hinds, Paul B. Self-contained front projection display cabinet. 3,827,795, 8-6-74, Cl. 353-77.000.

Hinds, Ronald; and Akister, James Martin; deceased (by Akister, Nora; legal representative), to Carter, B. & F. & Co. Limited. Braiding machine. 3,834,271, 9-10-74, Cl. 87-46.000.

Hinds, Walter E.: *See*—
Tarbox, John W.; Hinds, Walter E.; and Castro, Rodolfo, 3,804,130.
Tarbox, John W.; Hinds, Walter E.; and Castro, Rodolfo, 3,844,462.

Hinds, Walter Edwin, to Xynetics, Inc. Plural axis linear motor structure. 3,851,196, 11-26-74, Cl. 310-12.000.

Hine, Derek L., to Advanced Recreation Equipment Corporation. Kit for converting conventional motorcycle into snowmobile. 3,822,755, 7-9-74, Cl. 180-5.00r.

Hine, Harry E.; and Hine, Noreen E. Wall display device. 3,853,226, 12-10-74, Cl. 211-104.000.

Hine, Noreen E.: *See*—
Hine, Harry E.; and Hine, Noreen E., 3,853,226.

Hinerman, Ralph. Tube expansion tool. 3,783,674, 1-8-74, Cl. 72-476.000.

Hines, Burgess W., to Emerson Electric Co. Safety latch for boxes. 3,841,518, 10-15-74, Cl. 220-55.00k.

Hines, Edward, Lumber Co.: *See*—
Miles, Thomas R., 3,811,353.
Miles, Thomas R., 3,848,646.
Miles, Thomas R., 3,856,061.

Hines, Harold L., Jr., to United States of America, Army. Expansile protective cap for fluidic ordnance fuzed. 3,814,019, 6-4-74, Cl. 102-91.000.

Hines, James W.: *See*—
Drury, Raymond L., Jr.; Hines, James W.; and Nevin, Charles S., 3,825,514.

Hines, Robin H.: *See*—
Nowicki, Thomas; Shipp, John I.; Hines, Robin H.; and Broadbent, Thomas D., 3,787,118.
Shipp, John T.; Hines, Robin H.; Hollinshead, William L.; and Broadbent, Thomas D., 3,832,056.

Hines, Robin H.; Hollinshead, William L.; and Forester, John K., to Laser Systems & Electronics, Inc. Digital distance measuring apparatus employing modulated light beam. 3,813,165, 5-28-74, Cl. 356-5.000.

Hines, Ronald W.: *See*—
Tumlinson, James H. III; Mitchell, Everett R.; Browner, Stella M.; Mayer, Marion S.; Green, Nathan; Hines, Ronald W.; and Lindquist, Donald A., 3,832,461.

Hines, Walter: *See*—
Gaynor, Joseph; Anderson, Terry G.; Hines, Walter; and Tyler, Len A., 3,820,985.

Hiney, Laurence E.: *See*—
Wakeman, Harold R.; and Hiney, Laurence E., 3,805,966.

Hingley, Colin G., to SKF Industries, Inc. Ultra high speed rolling bearing assembly. 3,829,183, 8-13-74, Cl. 308-213.000.

Hinkamp, Paul E.; and Foye, Duane F., to Dow Chemical Company, The. Cellophane having a substantially haze-free coating of the dried residue from an organic solution of a vinylidene chloride polymer of. 3,817,780, 6-18-74, Cl. 117-145.000.

Hinkel, Karl Walter, to U.S. Philips Corporation. Electric discharge tube comprising a mesh grid. 3,806,754, 4-23-74, Cl. 313-348.000.

Hinkley, Lester W. Drilling gauge. 3,803,722, 4-16-74, Cl. 33-353.000.

Hinkley, Robert L. Spark plug holder for motorcycles and the like. 3,851,847, 12-3-74, Cl. 248-231.000.

Hinks, William L., to Goodyear Tire & Rubber Company, The. Apparatus and method to effect reading of a vehicle tire identification pattern. 3,810,159, 5-7-74, Cl. 340-146.30r.

Hinkson, Robert E.; and Taylor, William H., to Petro-Tex Chemical Corporation. Oxidative dehydrogenation with promoted barium ferrite catalysts. 3,852,370, 12-3-74, Cl. 260-680.00e.

Hinley, John James; Milne, David Graeme; and Goldsbrough, Keith, to British Titan Limited. Pigments. 3,804,655, 4-16-74, Cl. 106-300.000.

Hinley, John James; and Gibson, John, to British Titan Limited. Apparatus for the treatment of pigments. 3,825,388, 7-23-74, Cl. 425-222.000.

Hinman, Arch E., to Johnson Industries, Inc. Self-adjusting furniture support. 3,827,663, 8-6-74, Cl. 248-188.300.

Hinman, Bruce E.: *See*—
Zucker, Fredric E.; Eckert, Alton B.; Hinman, Bruce E.; and Feinland, Seymour, 3,800,284.

Hinman, Charles William: *See*—
Nelson, William Junior; and Hinman, Charles William, 3,784,409.

Hinman, Walter L., Jr.; and Gonnam, Russell W., to Westinghouse Electric Corporation. Phase comparison relaying apparatus with two-count by-pass circuit. 3,832,601, 8-27-74, Cl. 317-27.00r.

Hinne, Alain, to Saint-Gobain Industries. Photochromic composition. 3,843,550, 10-22-74, Cl. 252-300.000.

Hinnen, Hermann; and Borgeaud, Gaston, to Schweizerische Lokomotiv-und Maschinenfabrik. Cross-coupling for the trucks of a railroad vehicle. 3,854,420, 12-17-74, Cl. 105-176.000.

Hino, Horoyuki; Asakuno, Hiroyoshi; and Yamada, Tetsuya, to Chisso Corporation. Process and apparatus for producing uniaxially stretched articles difficult to split longitudinally. 3,784,662, 1-8-74, Cl. 264-95.000.

Hino, Mikoni; Hanawa, Shozo; Itaya, Hisso; Okada, Toshihiko; and Fujtwara, Masayuki, to Gunze, Co., Ltd. Device for sensing a broken yarn of a circular knitting machine. 3,785,177, 1-15-74, Cl. 66-157.000.

Hino, Minoru: *See*—
Yagi, Yoshiharu; Sato, Hiroshi; Narisawa, Shizuo; Yasui, Seimei; Kogayashi, Akira; Hino, Minoru; and Hata, Kazuhiko, 3,816,567.
Yagi, Yoshiharu; Sato, Hiroshi; Narisawa, Shizuo; Yasui, Seimei; Kobayashi, Akira; Hino, Minoru; and Hata, Kazuhiko, 3,843,618.

Hino, Naganori: *See*—
Akiba, Keiichiro; Fujinami, Akira; Mine, Akihiko; Satomi, Takeo; and Hino, Naganori, 3,798,233.
Mine, Akihiko; Fujinami, Akira; Kameda, Nobuyuki; Hino, Naganori; Satomi, Takeo; and Tateishi, Kohshi, 3,846,441.
Tanaka, Shizuya; Ozaki, Toshiaki; Mine, Akihiko; Tanaka, Katsutoshi; Yamamoto, Sigeo; Ooishi, Tadashi; Hino, Naganori; and Satomi, Takeo, 3,832,351.

Hino, Seiichi: *See*—
Inomata, Jihei; Hino, Seiichi; and Tani, Tatsuo, 3,830,855.

Hino, Takashi; and Fukuda, Masataro, to Matsushita Electric Industrial Co., Ltd. Gas diffusion electrode for cells. 3,793,085, 2-19-74, Cl. 136-121.000.

Hino, Tetsuo: *See*—
Hashiguchi, Susumu; and Hino, Tetsuo, 3,805,292.
Kozu, Isao; Kurihara, Hidetoshi; and Hino, Tetsuo, 3,810,239.

Hino, Tsunetoshi: *See*—
Okamura, Seizo; and Hino, Tsunetoshi, 3,808,113.

Hinohara, Yoshikazu: *See*—
Kaifu, Rokuro; Ochi, Kiyoshige; Nagashima, Renpei; and Hinohara, Yoshikazu, 3,792,064.

Hinojosa, Octavio G.: *See*—
Hinojosa, Servando G.; and Hinojosa, Octavio G., 3,798,854.

Hinojosa, Servando G.; and Hinojosa, Octavio G. Prefinished wallboard. 3,798,854, 3-26-74, Cl. 52-100.000.

Hinonishi, Yoshiteru; Machida, Jyusaku; and Takayama, Tohei, to Hitachi, Ltd. Process for dissolving mandrel wire of filament coil. 3,807,005, 4-30-74, Cl. 29-25.180.

Hinoshita, Shigehiko; Minejima, Yukihiko; and Moriya, Takao, to Fujitsu Limited. Video signal transmission system. 3,840,698, 10-8-74, Cl. 178-6.800.

Hinrichs, Bert F. Stock treatment device. 3,831,559, 8-27-74, Cl. 119-157.000.

Hinrichs, Charles F.; and Roush, Gale S., to Phillips Petroleum Company. Conveyor gripping device and conveying method using same. 3,802,550, 4-9-74, Cl. 198-179.000.

Hinrichs, Donald R., to Reynolds Metals Company. Apparatus for making plastic film. 3,822,977, 7-9-74, Cl. 425-326.00r.

Hinsberger, Vincent: *See*—
Annas, Robert F.; and Hinsberger, Vincent, 3,843,118.

Hinsche, Friedrich: *See*—
Spreckelmeyer, Bernhard; Hinsche, Friedrich; and Schabach, Werner, 3,834,917.

Hintenberger, Karl. Vacuum oven for firing ceramic facings. 3,786,164, 1-15-74, Cl. 13-31.000.

Hintermann, Hans E.; and Hanni, Werner, to Laboratoire Suisse de Recherches Horlogeres and Ciba-Geigy AG. Process for rendering a steel piece superficially hard and corrosion resistant, piece obtained by the carrying out of this process and use of the lattr. 3,796,588, 3-12-74, Cl. 117-71.00m.

Hinterstocker, Adolf, to Gunter Wachtler. Automatic electronic gaming machine of the roulette type. 3,819,186, 6-25-74, Cl. 273-138.00a.

Hinton, Everett H., Jr.; and Avery, Larry E., to Burlington Industries, Inc. Soil release composition. 3,824,125, 7-16-74, Cl. 117-138.80f.

Hinton, Roy Cyril; Kay, Albert Edward; Pemberton, Denis; and Tucker, Alan Cyril, to Imperial Chemical Industries Limited. Manufacture of esters. 3,839,418, 10-1-74, Cl. 260-483.000.

Hintz, Harald, to U.S. Philips Corporation. Arrangement provided with an electronic flash bulb. 3,790,847, 2-5-74, Cl. 315-151.000.

Hintz, Harold L.; and Webb, Joseph T., to Westvaco Corporation. Water resistant corrugated paperboard. 3,849,224, 11-19-74, Cl. 156-208.000.

Hintze, Rainer. Grill device. 3,817,164, 6-18-74, Cl. 99-421.00v.

Hintze, Rudolf. Air conditioning apparatus for automotive vehicles or the like. 3,852,976, 12-10-74, Cl. 62-499.000.

Hintzen, Peter: *See*—
Dusch, Albert; and Hintzen, Peter, 3,847,097.

Hinves, John R.; and Pimental, David J., to United States of America, Navy. Safe and arm mechanism for an embedment anchor propellant. 3,839,984, 10-8-74, Cl. 114-206.00a.

Hinz, Edward W., to Tempco Industrial Heater Corporation. Electric band heaters. 3,829,657, 8-13-74, Cl. 219-535.000.

Hinz, Hans Dieter, to U.S. Philips Corporation. Durable registration template for electrostatic printers. 3,786,745, 1-22-74, Cl. 101-1.000.

Hinz, Henry: *See*—
Ensmann, Burt; and Hinz, Henry, 3,818,628.

Hinz, Paul: *See*—
Dislich, Helmut; Hinz, Paul; and Kaufmann, Reinhard, 3,847,583.

Hinze, Klaus, to Schadow, Rudolf, Firma KG. Indicating push button for push button switches. 3,855,959, 12-24-74, Cl. 116-124.00r.

Hioki, Kazuo; and Onoda, Michio, to Nissan Motor Company, Limited. Ignition system for an automotive engine having exhaust recirculation arrangement. 3,828,752, 8-13-74, Cl. 123-148.0ds.

Hioki, Morihisa: *See—*
Kuroiwa, Tadaharu; Isayama, Yukio; Yokota, Akira; Kamio, Tsukasa; Kinnai, Kazuhiko; Abe, Eiichi; Kimura, Kunio; Hioki, Morihisa; and Noguchi, Hisataka, 3,847,806.

Hiorth, Hans, to Dyno Industrier A.S. Method and apparatus for semi-continuous preparation of an explosive composition. 3,800,012, 3-26-74, Cl. 264-3.00r.

Hiorth, Hans, to Dyno Industrier A.S. Building for explosive dangerous materials. 3,832,958, 9-3-74, Cl. 109-1.00r.

Hipkiss, Richard C.: *See—*
Rogers, Peter C.; Harrison, Frank B.; Hipkiss, Richard C.; Sunasky, Joseph; and Shapcott, Nigel G., 3,845,718.

Hippel, Ludwig Jakob: *See—*
Hiemer, Armin Alexander; and Hippel, Ludwig Jakob, 3,830,429.

Hipple, George M., to Robertshaw Controls Company. Snap switch construction and snap blade therefor or the like. 3,809,834, 5-7-74, Cl. 200-67.00d.

Hipple, James H.: *See—*
Bobo, Gerald; Hipple, James H.; and Petrosky, Edward M., 3,815,868.

Hipsher, Gary L.; and Vosburgh, Robert D., to General Tire & Rubber Company, The. High elongation voided elastomeric bushings and method and means for their assembling. 3,850,418, 11-26-74, Cl. 267-57.10a.

Hirabayashi, Masaya: *See—*
Sugiura, Masatoshi; Hirabayashi, Masaya; and Goto, Yosimasa, 3,791,833.

Hirabayashi, Takashi: *See—*
Kuwamura, Hideaki; Kashiwa, Ichiro; Hirabayashi, Takashi; and Tamura, Tadayoshi, 3,849,346.

Hirafuji, Van, to Ricoh Co., Ltd. Device for temporarily rendering a conveyed sheet material impervious to the action of conveyor means. 3,823,937, 7-16-74, Cl. 271-276.000.

Hirafuji, Van, to Ricoh Co., Ltd. Screen-like liquid stream forming device for determining concentration. 3,840,304, 10-8-74, Cl. 356-201.000.

Hiraga, Kentaro; Yoshioka, Kouichi; Golo, Giichi; Nakayama, Ryo; and Masuoka, Michio, to Takeda Chemical Industries, Ltd. 16β-Hydrocarbon substituted estrane compounds. 3,856,829, 12-24-74, Cl. 260-397.400.

Hiraga, Ryozo: *See—*
Tsuda, Shin; and Hiraga, Ryozo, 3,805,155.

Hirahara, Katsuji, to FMC Corporation. Flexible cable dry peeler. 3,854,395, 12-17-74, Cl. 99-630.000.

Hirai, Hajime: *See—*
Higo, Akio; Itaya, Nobushige; Hirai, Hajime; and Yoshioka, Hirosuke, 3,836,568.
Kitamura, Shigeyoshi; Hirai, Hajime; Okuno, Yositosi; and Fujimoto, Keimei, 3,846,500.
Okuno, Yositosi; Suzuki, Yasushi; Mizutani, Toshio; Hirai, Hajime; and Kawanami, Toru, 3,822,358.

Hirai, Kakichi; Hayashi, Hideo; and Hiratsuka, Yoichi, to Nippon Petrochemicals Co., Ltd. Water-soluble sizing agent. 3,825,624, 7-23-74, Cl. 260-879.000.

Hirai, Kentaro: *See—*
Takamizawa, Akira; and Hirai, Kentaro, 3,824,308.
Watababe, Yoshihachi; and Hirai, Kentaro, 3,792,074.

Hirai, Koji: *See—*
Bandoo, Tadaaki; Murakami, Masaaki; Hirai, Koji; and Tsutsui, Shigeyoshi, 3,803,559.

Hirai, Michihiro; and Shimizu, Toyokazu, to Parke, Davis & Company. Enteric capsules. 3,826,666, 7-30-74, Cl. 106-128.000.

Hirai, Nobutake: *See—*
Farrell, Greg; Tsuji, Akira; Hasimoto, Dojun; Koto, Nobuhisa; and Hirai, Nobutake, 3,825,679.

Hirai, Tadaaki: *See—*
Maruyama, Eiichi; Hirai, Tadaaki; Inao, Kiyohisa; and Goto, Naohiro, 3,800,194.

Hirai, Tadaaki; and Maruyama, Eiichi, to Hitachi, Ltd. Image pickup device. 3,794,835, 2-26-74, Cl. 250-211.00j.

Hirai, Takako: *See—*
Morishita, Hajime; Hirai, Takako; and Nonogaki, Saburo, 3,801,538.

Hirai, Yoshiyuki: *See—*
Takeshita, Yasuhiro; Uoi, Michitake; Hirai, Yoshiyuki; and Uchiyama, Mitsuru, 3,826,760.

Hiraishi, Hisashi: *See—*
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Hiraishi, Kiyoto: *See—*
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Hiraiwa, Kazuyoshi, to Nissan Motor Company, Limited. Friction clutch. 3,815,714, 6-11-74, Cl. 192-70.250.

Hirakawa, Hayao: *See—*
Kubota, Koji; Yoshihara, Yasuhiko; Hirakawa, Hayao; Kamijo, Hirotaka; Nosaki, Shigeki; Yoshinaga, Fumihiro; Okumura, Shinji; and Okada, Hiroshi, 3,825,472.

Hirakawa, Hiroshi; and Sakai, Toshiyuki, to Yokohama Rubber Co., Ltd., The. Process for enhancing the adhesion between steel cord and a rubber compound. 3,846,160, 11-5-74, Cl. 117-79.000.

Hirakawa, Kanehiro. Method for production of castella or soft cake. 3,843,826, 10-22-74, Cl. 426-399.000.

Hirakawa, Michio: *See—*
Murakami, Keiichi; Hoshi, Hiroshi; Hirakawa, Michio; and Susuki, Rinnosuke, 3,825,656.
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Yamaguchi, Tadashi; Hoshi, Hiroshi; Hirakawa, Michio; and Watanabe, Isao, 3,857,816.

Hirakawa, Takashi: *See—*
Akashi, Goro; and Hirakawa, Takashi, 3,791,608.

Hiraki, Kunio. Roller skate construction. 3,843,146, 10-22-74, Cl. 280-11.200.

Hirama, Koichi: *See—*
Onoe, Morio; and Hirama, Koichi, 3,821,666.

Hiramatsu, Katsuzo, to Mitsubishi Denki Kabushiki Kaisha. Quaternary stereophonic sound reproduction apparatus. 3,829,615, 8-13-74, Cl. 179-1.0gq.

Hiramatsu, Takeo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Hydraulic control apparatus for an automatic vehicle transmission. 3,832,915, 9-3-74, Cl. 74-869.000.

Hirane, Seiichi: *See—*
Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, 3,787,538.
Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, 3,796,560.
Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, 3,823,004.

Hirano, Hiroshi: *See—*
Kodama, Yutaka; Kodama, Tsutomu; Nakabayashi, Masao; and Hirano, Hiroshi, 3,801,683.

Hirano, Katsuhiko, to Nippon Gakki Seizo Kabushiki Kaisha. Automatic rhythm device with start and stop controller for clock oscillator and a gate. 3,803,970, 4-16-74, Cl. 84-1.030.

Hirano, Katsuhiko, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument with rhythm selection pulse generator. 3,813,472, 5-28-74, Cl. 84-1.030.

Hirano, Katsuhiko, to Nippon Gakki Seizo Kabushiki Kaisha. Multichannel stereophonic sound reproducing system for electronic musical instruments. 3,818,115, 6-18-74, Cl. 84-1.240.

Hirano, Koichi: *See—*
Yamada, Akira; Shibutami, Hirohiko; and Hirano, Koichi, 3,791,437.

Hirano, Koki; and Kobayashi, Kyoji, to Jidosha Denki Kogyo Kabushiki Kaisha. Ball joint apparatus. 3,853,414, 12-10-74, Cl. 403-71.000.

Hirano, Masachika: *See—*
Fujimoto, Keimei; Mukai, Kunio; Hirano, Masachika; Tanaka, Katsutoshi; Takeda, Hisami; and Kawano, Suminori, 3,800,011.
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Ho, Ernest C.; Reissmueller, Karl H.; and Belardi, Richard J., to Hughes Aircraft Company. Package for electronic watch movement. 3,846,971, 11-12-74, Cl. 58-23.00r.
Ho, Irving T.: *See—*
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Chen, Tien C.; and Ho, Irving T., 3,816,728.
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Ho, Irving T., to International Business Machines Corporation. Monolithic array error detection system. 3,784,976, 1-8-74, Cl. 340-146.1ag.
Ho, Irving T.; and Riseman, Jacob, to International Business Machines Corporation. Integrated magnetic bubble and semiconductor device. 3,786,445, 1-15-74, Cl. 340-174.0tf.

Ho, Irving T.; and Maley, Gerald A., to International Business Machines Corporation. Read only memory (ROM) superimposed on read/write memory (RAM). 3,820,086, 6-25-74, Cl. 340-173.0ff.

Ho, Irving Tze: *See—*
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Hoad, John G., to Hoad Engineers, Incorporated. Gas washer apparatus. 3,841,060, 10-15-74, Cl. 55-220.000.

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Hoadley, James E., to Illinois Tool Works Inc. Screw anchor. 3,802,476, 4-9-74, Cl. 151-417.000.

Hoadley, Kenneth G.: *See—*
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Hoag, Ethan D.; Patrick, Richard M.; Locke, Edward V.; and Hella, Richard A., to Avco Corporation. Aerodynamic laser window. 3,851,273, 11-26-74, Cl. 331-94.50d.

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Hoagland, Richard E.: *See—*
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Hoaker Chemical Corporation: *See—*
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Hoang, Ming-Tsung: *See—*
Inque, Goro; and Hoang, Ming-Tsung, 3,786,330.

Hoare, John J., to Kirsch Company. Drapery pin inserter. 3,833,038, 9-3-74, Cl. 145-46.000.

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Hobbs, Charles C., Jr.; Trebellas, John C.; and Huguet, Juan L., to Celanese Corporation. Cobalt catalyst recovery from acetic acid medium derived from liquid phase oxidation of aliphatic hydrocarbons. 3,840,469, 10-8-74, Cl. 252-413.000.

Hobbs, Howard Frederick. Torque converters. 3,789,697, 2-5-74, Cl. 74-677.000.

Hobbs, James R. Duct-grille connection clip. 3,827,209, 8-6-74, Cl. 52-760.000.

Hobbs, James W.; and Callejas, Ricardo J., to Phillips Petroleum Company. Method for separating a multicomponent feedstream. 3,793,157, 2-19-74, Cl. 203-2.000.

Hobbs, John V.: *See—*
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Hobbs, L. T., to US Supply Company. Vehicle windshield assembly. 3,829,152, 8-13-74, Cl. 296-78.000.

Hobbs, Ronald Henry, to Cam Gears Limited. Ball joint. 3,833,309, 9-3-74, Cl. 403-122.000.

Hobbs, Stanley Y., to General Electric Company. Fiber reinforced composite materials. 3,812,077, 5-21-74, Cl. 260-40.00r.

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Hobner, Otto. Portable hair dryer hood. 3,800,431, 4-2-74, Cl. 34-99.000.

Hobo, Nobuhito; and Omori, Norio, to Nippondenso Co., Ltd. Fuel injection system for internal combustion engines. 3,797,465, 3-19-74, Cl. 123-32.0ea.

Hobo, Nobuhito; and Suzuki, Yutaka, to Nippondenso Co. Ltd. Fuel control system for fuel injection type internal combustion engine. 3,822,679, 7-9-74, Cl. 123-32.0ea.

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Hobson, Charles F., Jr., to General Electric Company. Monitor system for ground fault relay. 3,787,708, 1-22-74, Cl. 317-18.00d.

Hobson, Charles F., Jr.; and Willard, Henry G., to General Electric Company. Ground fault responsive protection system. 3,806,764, 4-23-74, Cl. 317-18.00d.

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Hobza, Martin J. Standing occupant propelled merchandise carrier. 3,834,726, 9-10-74, Cl. 280-87.04r.

Hocevar, Lorraine E. Crochet loop gauge. 3,827,091, 8-6-74, Cl. 6-1.00a.

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Hoch, Geraldine M.; and Weber, Kenneth E., to Lockheed Aircraft Corporation. Production of clear, sealed anodized films. 3,832,239, 80-27-74, Cl. 204-35.00n.

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Hoch, Paul E., to Hooker Chemical Corporation. Bicyclic ketones having biological activity. 3,821,307, 6-28-74, Cl. 260-586.00r.

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Hochberg, Howard Martin; and Massie, Harold Lee, to Hoffmann-La Roche Inc. Blood pressure monitor with rate sensing artifact rejection processing circuitry. 3,791,378, 2-12-74, Cl. 128-2.05m.

Hochberg Marvin S.; Welhart, Erwin K.; and Pousson, James H., to McDonnell Douglas Corporation. Self-sealing hollow body for containing fluids. 3,830,261, 8-20-74, Cl. 138-127.000.

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Hochreuter, Johann. Shear pin safety coupling. 3,855,818, 12-24-74, Cl. 64-28.00r.

Hochreuter, Richard: *See—*
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Hochreuter, Richard, to Sandoz Ltd.; a/k/a Sandoz AG. Polyamide ammonium compounds, their production and use. 3,793,352, 2-19-74, Cl. 260-404.500.

Hochschild, Richard. Composition of methionine with 2-dimethylamino-ethanol. 3,819,480, 6-25-74, Cl. 195-1.800.

Hochstein, Peter A., to General Motors Corporation. Procedure for correcting radial force variations in pneumatic tires. 3,838,142, 9-24-74, Cl. 264-94.000.

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Hock, Fritz, to Gutos Metallschliessen-fabrik Bader & Hoch K.G. Waistband for trousers and slide fastener therefor. 3,797,046, 3-19-74, Cl. 2-237.000.

Hock, Fromund; Feldmann, Hennig; and Fialkowski, Heinz, to Leitz, Ernst, G.m.b.H. Split-field microscope. 3,785,714, 1-15-74, Cl. 350-15.000.

Hock, Fromund, to Leitz, Ernst, GmbH. Method of testing a length, angle, path difference or speed by detecting interference and apparatus therefor. 3,822,942, 7-9-74, Cl. 356-106.00r.

Hock, Fromund, to Lietz, Ernst, G.m.b.H. Method and apparatus for the automatic photoelectric trapping of local changes of optically effective object structures. 3,833,302, 9-3-74, Cl. 356-114.000.

Hockemeyer, Friedrich: *See—*
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Hocker, Lon; and Smith, Irl W., Jr., to Massachusetts Institute of Technology. Double-scaled autocorrelator. 3,792,245, 2-12-74, Cl. 235-181.000.

Hockey-Mate International, Inc.: *See—*
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Hocking, Martin B.; and Intihar, Donald J., to Dow Chemical Company, The. Method for the separation of ortho- and parp-dihydroxy benzene isomers. 3,834,997, 9-10-74, Cl. 203-87.000.

Hocks, Peter: *See—*
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Hoddow, Thomas; and Gates, Eric, to Lucas, Joseph, (Industries) Limited. Sprayers for liquids. 3,797,751, 3-19-74, Cl. 239-426.000.

Hodemalkers, Andreas Marie Laurentius, to U.S. Philips Corporation. Transistor circuit. 3,805,093, 4-16-74, Cl. 307-235.00r.

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Hodes, Harvey A., to United States of America, Army. Color photographic developer compositions. 3,823,017, 7-9-74, Cl. 96-66.400.

Hodess, Paul T., to Creative Building Systems. Beams for hyperbolic paraboloid roofs. 3,846,953, 11-12-74, Cl. 52-745.000.

Hodgdon, Russell B., Jr.; and Roach, Edward T., to Ionics, Incorporated. Process for defouling anion exchange resins with chlorine dioxide. 3,787,339, 1-22-74, Cl. 260-2.10r.

Hodge, Allan M. Caster protector for trash container. 3,805,321, 4-23-74, Cl. 16-18.000.

Hodge, Allan M. Trash container lid system. 3,836,036, 9-17-74, Cl. 220-32.000.

Hodge, Arthur G. Navigation aid. 3,844,042, 10-29-74, Cl. 33-1.0sd.

Hodge, Edward B., to Commercial Solvents Corporation. Zearalenone reduction. 3,808,233, 4-30-74, Cl. 260-343.20f.

Hodge, Edward B., to Commercial Solvents Corporation. Composition containing hexetidine and z-methyl-nitro-1,3-dimorpholinopropane. 3,836,654, 9-17-74, Cl. 424-248.000.

Hodge, George Robert, to None Such Enterprises, Inc. Sealable and resealable container. 3,840,152, 10-8-74, Cl. 220-60.00r.

Hodge, Marvin S. Doorframe sander. 3,813,830, 6-4-74, Cl. 51-392.000.

Hodgen, Loran M.; and Weimer, Gary L., to Excel Industries, Inc. Rotary seat back adjuster. 3,801,155, 4-2-74, Cl. 297-374.000.

Hodges, Donald W. Registering device. 3,841,217, 10-15-74, Cl. 101-413.000.

Hodges, Franklin Reeder. Medical testing and data recording apparatus. 3,786,510, 1-15-74, Cl. 346-33.0me.

Hodges, Frederick R. Method for forming a drinking receptacle. 3,785,794, 1-15-74, Cl. 65-108.000.

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Hodges, Lee R., to Associated Development Corporation. Lens polishing machine. 3,838,542, 10-1-74, Cl. 51-119.000.

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Hodges, Paul, to International Business Machines Corporation. High rate digital modulation/demodulation method and means. 3,852,687, 12-3-74, Cl. 332-11.00r.

Hodges, Robert James, to Standard Telephones and Cables Limited. Electrographic apparatus for magnetic printing. 3,834,350, 9-10-74, Cl. 118-637.000.

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Hodgkin, Jonathan Howard; Hawthorne, David Geoffrey; Swift, Jean Drummond; and Solomon, David Henry, to Commonwealth Scientific and Industrial Research Organization. Titanium dioxide pigments and fillers. 3,834,923, 9-10-74, Cl. 106-300.000.

Hodgkins, David H., to Stanadyne, Inc. Water separator. 3,785,970, 1-15-74, Cl. 210-23.000.

Hodgkinson, Raymond E., to Ethyl Corporation. Fuel system for separating volatile fuel from gasoline. 3,794,000, 2-26-74, Cl. 123-133.000.

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Hodgson, Alfred W., to Westinghouse Electric Corporation. Isolating switch with particular toggle and interlock means therefor. 3,801,765, 4-2-74, Cl. 200-153.00g.

Hodgson, Brian, to Machine Tool Divisional Services Limited. Gear hobbing machine. 3,813,988, 6-4-74, Cl. 90-2.000.

Hodgson, Clive: *See—*
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Hodgson, Donald W. Fifth wheel having a universal king pin locking mechanism. 3,815,937, 6-11-74, Cl. 280-434.000.

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Hodgson, Philip; Munson, Robert Thomas; and Reed, Gordon Howard, to Television Research Limited. Magnetic record apparatus with switching means to select tapes and interrupt for announcements. 3,823,414, 7-9-74, Cl. 360-64.000.

Hodgson, Robert A.: *See—*
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Hodgson, Robert F., to Commercial Shearing Inc. Adjustable, metered, directional flow control arrangements. 3,782,404, 1-1-74, Cl. 137-101.000.

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Hodkin, Thomas W. Magnetic writing instrument. 3,785,739, 1-15-74, Cl. 401-195.000.

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Hodogaya Chemical Co., Ltd.: *See—*
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Hodosh, Milton, to Research Corporation. Plastic bone composition and method of making same. 3,789,029, 1-29-74, Cl. 260-2.50r.

Hodosh, Milton, to Research Corporation. Plastic bone composition. 3,790,507, 2-5-74, Cl. 260-2.50r.

Hodsall, Brian: *See—*
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Hodson, Beryl D. Container wheel attachment. 3,837,666, 9-24-74, Cl. 280-47.13r.

Hodson, Harold Francis; and Randall, Anthony Winchester, to Burroughs Wellcome Co. 2-Oxo-2H-pyrimido[2,1-a]isoquinoline. 3,792,050, 2-12-74, Cl. 260-251.00a.

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Hoffman, Glenn J.; and Rawlins, Stephen L., to United States of America, Agriculture. Silver-foil psychrometer for measuring leaf water potential. 3,831,435, 8-27-74, Cl. 73-77.000.

Hoffman, Gordon H.; and Brundrett, Charles Philipp, to Grace, W. R., & Co. Method of preparing exhaust catalyst. 3,826,758, 7-30-74, Cl. 252-455.00r.

Hoffman, Hans; Wagner, Josef; Hofrichter, Gernot; and Grill, Helmut, to Chemisch-Pharmazeutisohe Fabrik Adolf Klinge & Co. Method for effecting increased bile flow comprising orally administering choleretic medicaments containing 1-phenoxy-3-alkoxy. 3,839,87, 10-1-74, Cl. 424-341.000.

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Hoffman, Harry Swartzlander, Jr.; and Knickmeyer, Kenton Hugh, to International Business Machines Corporation. Electrical converter. 3,794,906, 2-26-74, Cl. 321-2.000.

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Hoffman, Hellmut; Hammann, Ingeborg; and Unterstenhofer, Gunter, to Bayer Aktiengesellschaft. N-(dimethylaminomethylidene)thiol-thiono)-phosphoric acid ester imides. 3,801,679, 4-2-74, Cl. 260-945.000.

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Hoffman, Jacob. Contact lens edge modifying machine. 3,835,590, 9-17-74, Cl. 51-105.01g.

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Hoffman, John E.; and Schelich, Ardell J., to Sporlan Valve Company. Refrigerant filter-drier. 3,841,490, 10-15-74, Cl. 210-266.000.

Hoffman, John J.; and White, Jay E., Jr., to Woodall Industries Inc. Vehicle lighting unit assembly. 3,836,763, 9-17-74, Cl. 240-41.600.

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Hoffman, Joseph H., to Westinghouse Electric Corporation. Fan hub and shaft assembly. 3,832,091, 8-27-74, Cl. 416-184.000.

Hoffman, Joseph J., to Bear Mfg. Corporation. Rope climbing device. 3,814,210, 6-4-74, Cl. 182-6.000.

Hoffman, Joseph K.; and Russell, James P., to Air Products and Chemicals, Inc. Elastomers of vinyl alkanoates and alkanols and preparation thereof. 3,804,886, 4-16-74, Cl. 260-488.00j.

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Hoffman, Neil R.; and Jansen, Johann H., to Kelsey-Hayes Company. Electrically operated disk brake and automatic adjusting mechanism. 3,827,535, 8-6-74, Cl. 188-138.000.

Hoffman, Norman H., to Technical Ordnance, Inc. Suspension strap cutting apparatus. 3,840,988, 10-15-74, Cl. 30-180.000.

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Hoffman, Paul R.; and Naeyaert, Roger S., to Burroughs Corporation. Tapeless paper motion control system providing sensing circuits to govern motor incrementing. 3,857,471, 12-31-74, Cl. 197-133.00r.

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Hoffman, Robert E.; Cline, John A.; Fuselier, Christopher S.; and D'Atre, John D., to General Electric Company. Control system for obtaining and using the optimum speed torque characteristic for a squirrel cage induction motor which guarantees a non-saturaing magnetizing current. 3,851,234, 11-26-74, Cl. 318-227.000.

Hoffman, Robert J.; and Gould, Lawrence P., to Allied Chemical Corporation. Sodium bicarbonate spherulites from sodium D esquicarbonate. 3,852,427, 12-3-74, Cl. 423-422.000.

Hoffman, Robert J.; and Follows, Alan G., to Allied Chemical Corporation. Method of producing sodium carbonate and bicarbonate spherules from brine. 3,855,397, 12-17-74, Cl. 423-422.000.

Hoffman, Robert J.; and Follows, Alan G., to Allied Chemical Corporation. Sodium carbonate and bicarbonate sperulites from chlorine electrolytic cell liquors. 3,855,398, 12-17-74, Cl. 423-422.000.

Hoffman, Robert K., to Parker-Hannifin Corporation. Fluid line joint for a valve base plate. 3,848,900, 11-19-74, Cl. 285-137.00r.

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Hogg, Walter R., to Coulter Electronics, Inc. Particle study apparatus including an axial trajectory sensor. 3,801,901, 4-2-74, Cl. 324-71.0cp.

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Hogg, Walter R.; and Coulter, Wallace H., to Coulter Electronics, Inc. Particle study apparatus including an axial trajectory sensor. 3,801,904, 4-2-74, Cl. 324-71.0cp.

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Hogue, Lois M. Adapter key caps. 3,848,723, 11-19-74, Cl. 197-102.000.

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Hoheisel, Klaus, to Kalle Aktiengesellschaft. Plastic laminate. 3,843,481, 10-22-74, Cl. 161-190.000.

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Hohmann, Hans-Gunter; and Rochlitzer, Frank, to Hewlett-Packard GmbH. Improved control circuitry having reduced jitter, especially for oscilloscopes. 3,851,262, 11-26-74, Cl. 328-185.000.
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Hokama, Takeo, to Velsicol Chemical Corporation. Polyester compositions from trans-piperylene-maleic acid adducts and ghyrogenated bisphenol A. 3,816,561, 6-11-74, Cl. 260-871.000.
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Hokamura, Sadakazu; Akaoka, Teruhisa; and Hanyuda, Toshiaki, to Showa High Polymer Co., Ltd. Method for curing unsaturated epoxy-ester resinous compositions using an organic imide to control pot-life. 3,819,551, 6-25-74, Cl. 260-23.0ep.
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Holbrook, Le Grand K., to Medical Development Corporation. Syringe construction. 3,786,811, 1-22-74, Cl. 128-218.00p.
Holbrook, Le Grand K., to Medical Development Corporation. Additive structure for vacuum operated liquid-fill bottles. 3,804,090, 4-16-74, Cl. 128-276.000.
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Holden, John C.; and Wray, Gary Q., to Halliburton Company. Wellbore circulating valve. 3,850,250, 11-26-74, Cl. 166-315.000.
Holden, John C.; and Wray, Gary Q., to Halliburton Company. Annulus pressure operated well testing apparatus and its method of operation. 3,856,085, 12-24-74, Cl. 166-264.000.
Holden, Patrick E. Folding tailgate step. 3,853,369, 12-10-74, Cl. 296-62.000.
Holden, Thomas E., to Hewlett-Packard Company. Connector for printed circuit boards. 3,820,061, 6-25-74, Cl. 339-252.000.
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Holder, Charles A., Jr. Liquid dispensing nozzle. 3,835,899, 9-17-74, Cl. 141-214.000.
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Holland, Gerald Fagan. Substituted benzoic acid hypoliphemic agents. 3,856,951, 12-24-74, Cl. 424-230.000.
Holland, Gerhard W.; and Nowak, Rudolf, to Halomet AG. Process of obtaining metals from metal halides. 3,847,596, 11-12-74, Cl. 75-84.400.
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Schulz, Manfred B.; and Holland, Melvin G., 3,786,373.
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Holland, Melvin G.; Schulz, Manfred B.; and Barrett, Harrison H., to Raytheon Company. Surface acoustic wave phase control device. 3,845,420, 10-29-74, Cl. 333-30.00r.
Holland, Monte G., to Research Corporation. Method of reducing intraocular pressure in human eyes. 3,849,577, 11-19-74, Cl. 424-330.000.
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Holland, Raymond Prunty, Jr. Kites. 3,790,112, 2-5-74, Cl. 244-153.00r.
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Holland, Walter Philip, to United Kingdom Atomic Energy Authority. Production of metal oxides. 3,799,882, 3-26-74, Cl. 252-301.10r.
Holland, Will W. Oil bath air filter element. 3,849,094, 11-19-74, Cl. 55-330.000.
Holland, William P., to Machlett Laboratories, Incorporated, The. Target for X-ray tubes. 3,795,832, 3-5-74, Cl. 313.060.000.
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Hollander, Edward F., Jr., to Glass, John P., trading as Cava Industries. Whisker oven and method. 3,813,224, 5-28-74, Cl. 23-273.0sp.
Hollander, Kurt W. Flush valve assembly for tank. 3,810,261, 5-14-74, Cl. 4-41.000.
Hollander, Leo L. Display-carrying pillow-enclosing casing. 3,842,977, 10-22-74, Cl. 206-407.000.
Hollands, Daniel H., to Rochester Instrument Systems, Inc. AC voltage sensing apparatus. 3,852,731, 12-3-74, Cl. 340-248.00b.
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Holle, Bernd; and Winter, Gerhard, to Bayer Aktiengesellschaft. Substantially non-greying titanium dioxide pigments for use in resin compositions. 3,853,575, 12-10-74, Cl. 106-300.000.
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Holleman, Coanan P. Changeable speed gear attachment for bicycles. 3,782,210, 1-1-74, Cl. 74-217.00b.
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Hollenbach, Edwin A., to Drexel Industries, Inc. Material handling system. 3,841,503, 10-15-74, Cl. 214-75.00r.
Hollenbeck, Bonderinko, to Grace, W. R., & Co. Method for producing battery separator sheet. 3,798,294, 3-19-74, Cl. 264-41.000.
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Hollender, Anders K. Y., to Castenfors, Hugo. Syringe appliance. 3,819,091, 6-25-74, Cl. 222-327.000.
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Hollett, Ronald C.: *See—*
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Holley, David M., to Hennells, W. E., Company, Inc. Adjustable shock absorber. 3,840,097, 10-8-74, Cl. 188-287.000.
Holley, Myle J., Jr. Slip-jointed pile and dolphin construction. 3,834,168, 9-10-74, Cl. 61-46.000.
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Holley, Myle J., Jr. Torsion-mode breasting dolphin. 3,852,968, 12-10-74, Cl. 61-46.000.
Holliday, Charles Harry; Macewan, William Ritchie; Mullin, John Brian; and Webb, Alan Edward Valender, to National Research Development Corporation. Apparatus for the preparation and growth of crystalline material. 3,833,342, 9-3-74, Cl. 23-273.0sp.
Holliday, Harley J. Phase lock-loop frequency synthesizer. 3,826,994, 7-30-74, Cl. 331-11.000.
Holliday, Harvey Ray; and Schurter, Gary Lee, to International Telephone and Telegraph Corporation. Insulation coating compositions. 3,816,564, 6-11-74, Cl. 260-878.00r.
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Hollingsworth, Ralph G.: *See—*
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Hollingsworth, Richard L. Skid jack for mobile homes. 3,840,210, 10-8-74, Cl. 254-9.00r.
Hollins, Jesse R. Motorized retractable padded cushion. 3,782,492, 1-1-74, Cl. 180-82.00c.
Hollins, Jesse R. Combustion engine throttle control. 3,792,696, 2-19-74, Cl. 123-198.0db.
Hollins, Jesse R. Apparatus for protecting the driver of a vehicle. 3,798,994, 3-26-74, Cl. 74-492.000.
Hollins, Jesse R. Assembly for protecting a passenger of a vehicle. 3,799,572, 3-26-74, Cl. 280-150.00b.
Hollins, Jesse R. Apparatus for hindering the theft of a storage battery from a motor vehicle. 3,821,996, 7-2-74, Cl. 180-68.500.
Hollins, Jesse R. Plate for hindering the theft of a storage battery from a motor vehicle. 3,821,998, 7-2-74, Cl. 180-68.500.
Hollins, Jesse R. Vehicle internal combustion engine lubricating oil cooling and filtering circulation system. 3,824,980, 7-23-74, Cl. 123-196.0ab.
Hollins, Jesse R. Resilient tire and wheel assembly. 3,827,792, 8-6-74, Cl. 152-319.000.
Hollins, Jesse R. Internal combustion engine crank case oil vapor condensing means. 3,828,744, 8-13-74, Cl. 123-119.00b.
Hollins, Jesse R. Apparatus for transporting articles in the space above the outboard passenger portion of the front seat of a motor vehicle. 3,828,994, 8-13-74, Cl. 224-42.46b.
Hollins, Jesse R. Headlight control system. 3,830,327, 8-20-74, Cl. 180-82.00r.
Hollins, Jesse R. Dual control hydraulic brake system for motor vehicles. 3,849,987, 11-26-74, Cl. 60-547.000.
Hollins, Jesse R. Vehicle internal combustion engine air intake heating. 3,850,152, 11-26-74, Cl. 123-122.00h.
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Hollis, Clinton R., to International Paper Company. Method and apparatus for opening tubes of flexible material. 3,834,287, 9-10-74, Cl. 93-35.00p.
Hollis, James T., to United States of America, Air Force. Deceleration responsive flow valve. 3,797,781, 3-19-74, Cl. 244-1.0sc.
Hollis, Norman E.; Jutte, Gottfried W.; McCartney, Frank I.; and McHugh, John V., to Richardson Company, The. Method for producing battery terminal. 3,849,203, 11-19-74, Cl. 136-135.00s.
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Hollnagel, Harold S. One or two way energy (shock) absorber. 3,796,288, 3-12-74, Cl. 188-129.000.
Hollnagel, Harold S., to Kelsey-Hayes Company. Disk brake with servo action. 3,837,438, 9-24-74, Cl. 188-72.200.
Holloman, Charles J., to Trans-Lux Corporation. Display panel. 3,813,673, 5-28-74, Cl. 340-373.000.
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Holloway, Jack W., to United States of America, Navy. Alternate lead/ceramic stave free-flooded cylindrical transducer. 3,845,333, 10-29-74, Cl. 310-9.500.
Holloway, James H.; and Petersen, George E., to General Electric Company. Ultrasonic cleaning of resin. 3,822,055, 7-2-74, Cl. 259-1.00r.
Holloway, Maurice William; and Causton, Brian Edward, to National Research Development Corporation. Dental epoxides. 3,799,905, 3-26-74, Cl. 260-37.0ep.
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Hollrock, Richard H., to Kaman Aerospace Corporation. Deployable rotor. 3,838,940, 10-1-74, Cl. 416-142.000.
Hollstein, Elmer J.; and Butte, Walter A., Jr., to Sun Research and Development Co. Preparation of 2-pyrrolidone. 3,812,148, 5-21-74, Cl. 260-326.5fn.
Hollstein, Elmer J., to Sun Research and Development Co. Preparation of 2-pyrrolidinone. 3,812,149, 5-21-74, Cl. 260-326.5fn.
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Hollweck, Walter; Schnee, Wilhelm; Eberl, Karlheinz; and Wagner, Kurt, to Inter Control Hermann Kohler Elektrik GmbH & Co. KG. Device for securing a temperature sensor to a vessel wall. 3,845,661, 11-5-74, Cl. 73-343.00r.
Holly, James A., to Hollymatic Corporation. Apparatus for supplying adherent plastic material. 3,806,989, 4-30-74, Cl. 17-32.000.
Hollyer, John Reginald, to Ludwig-Ofag-Indugas Industrieofenanlegen GmbH. Apparatus for the quenching of pipe. 3,807,714, 4-30-74, Cl. 266-4.00s.
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Holm, Jens Christian, to Jesperson, A., & Son, International A/S. Vibration casting station with swing-in mold clamping hooks. 3,807,922, 4-30-74, Cl. 425-432.000.
Holm, Jens Christian, to Jespersen, A., & Son International A/S. Device for connecting and disconnecting core tubes to a trolley in concrete casting machines. 3,829,265, 8-13-74, Cl. 425-161.000.
Holm, John A.; and Lapinski, David A., to Ford Motor Company. Overvoltage protection circuit. 3,789,269, 1-29-74, Cl. 317-23.000.
Holm, Kunt Anders, to Uddeholms Aktiebolag. Degreasing apparatus and method. 3,815,615, 6-11-74, Cl. 134-79.000.
Holm, Kurt Anders, to Uddeholms Aktiebolag. Conveyor. 3,788,459, 1-29-74, Cl. 198-218.000.
Holm, Lennart, to Linden-Alimak AB. Hoisting crane with horizontal lattice jib and bravelling carriage. 3,844,417, 10-29-74, Cl. 212-18.000.
Holm, Leroy W., to Union Oil Company of California. Miscible flooding process using methane-enriched soluble oil. 3,830,301, 8-20-74, Cl. 166-274.000.
Holm Svend Age, to Danfoss A/S. Apparatus for producing the ring member of a gerotor gear set. 3,817,000, 6-18-74, Cl. 51-204.000.
Holm, Thomas A.; and Childress, Lester K., to Solite Corporation. Tension testing of building units. 3,792,608, 2-19-74, Cl. 73-97.000.
Holm, William J.; to Riggs & Lombard, Inc. Corrosion resistant roll and bearing assembly. 3,796,471, 3-12-74, Cl. 308-59.000.
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Holm, William J., to Riggs & Lombard, Inc. Tension control system for a running web. 3,807,613, 4-30-74, Cl. 226-42.000.
Holm, William J., to Riggs & Lombard, Inc. Fabric treatment apparatus. 3,828,587, 8-13-74, Cl. 68-3.00s.
Holm, William Z., to Ross-Holm Division Holm Tractor & Equipment Company. Automatic milking barn. 3,783,830, 1-8-74, Cl. 119-14.030.
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Holman, George B., Jr.: *See—*
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Holman, John F., to Allegheny Ludlum Industries, Inc. Sintered porous iron article impregnated with oleic acid and an inhibitor for forming matching surfaces by friction. 3,804,600, 4-16-74, Cl. 29-182.500.
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Holman, Robert E., Jr. Cargo beam. 3,836,174, 9-17-74, Cl. 280-179.00r.
Holman, William G., to Royal Appliance Manufacturing Co., Inc. Attachment clip for suction cleaner brush. 3,846,865, 11-12-74, Cl. 15-392.000.
Holmberg, Gote Eskil Yngve. Lock for a three-point safety belt for motor vehicle. 3,844,001, 10-29-74, Cl. 24-233.000.
Holme, Bent Melchior Karlsen, to Pedershaab Maskinfabrik A/S. Concrete pipe stabilizing ring. 3,852,018, 12-3-74, Cl. 425-472.000.
Holmen, James O.; and Kardashian, Vahram S., to Honeywell Inc. Magnetostrictive anisotropic thin film plated wire line sensor intruder detector having monotonically changing properties. 3,803,549, 4-9-74, Cl. 340-17.000.
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Holmen, Reynold E.; and Cook, Jack E., to Minnesota Mining and Manufacturing Company. Heat-bondable retroreflective sheeting. 3,836,227, 9-17-74, Cl. 350-105.000.
Holmes, Allie B., to Opti-Cap, Inc. Minimizing corrosion of overflow receptacle equipped engine cooling system. 3,809,150, 5-7-74, Cl. 165-1.000.
Holmes, Andrew James Timothy; and Cozens, John Ritchie, to National Research Development Corporation. Gas-discharge tube for high-current pulsed operations. 3,835,343, 9-10-74, Cl. 313-217.000.
Holmes, Ann; and Meyer, Robert F., to Parke, Davis & Company. Aminoalkanol compounds and methods for their production. 3,857,891, 12-31-74, Cl. 260-570.700.
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Holmes, Robert G.; and Rohrbach, Roger P., to Research Corporation. Pneumatic metering device. 3,843,018, 10-22-74, Cl. 221-211.000.
Holmes, Robert S. Adjustable electronic tunable filter with simulated inductor. 3,835,399, 9-10-74, Cl. 328-167.000.
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Holmes, Stannard D. Chair support for reinforcing rods. 3,788,025, 1-29-74, Cl. 52-685.000.
Holmes, Thomas Gary: *See—*
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Holmes, William A.; and Sharp, John R., to Polaroid Corporation. Motion picture film system with multi-purpose film cassette. 3,792,919, 2-19-74, Cl. 352-72.000.
Holmes, William S.; Fisher, Chester Donald; and Ihrig, Clifford D., to Sprout, Waldron & Company, Inc. Disc type refiner with automatic plate spacing control. 3,847,359, 11-12-74, Cl. 241-34.000.
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Holmlund, Henrik; and Kareby, Erik, to Dynapac Maskin Aktiebolaget. Regulator for pneumatic vibrator. 3,814,385, 6-4-74, Cl. 259-1.00r.
Holmlund, Henrik, to Aktiebolaget Vibro-Verken. Vibrator for generating directional vibrations. 3,837,231, 9-24-74, Cl. 74-61.000.
Holmsten, Richard B. Header distribution system for ice rinks. 3,831,394, 8-27-74, Cl. 62-235.000.
Holmstrom, Fred E.: *See—*
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Holmstrom, Godfrey A., Jr. Vehicle weighing means. 3,854,540, 12-17-74, Cl. 177-136.000.
Holmstrom, Goran, to Allmanna Svenska Elektriska Aktiebolaget. Electric switching device combining insulating parts comprising an acrylate resin binder. 3,786,213, 1-15-74, Cl. 200-144.00c.
Holmstrom, Goran, to Allmanna Svenska Elektriska Aktiebolaget. Electric switching device comprising insulating parts reinforced with polyvinyl alcohol fibres. 3,800,111, 3-26-74, Cl. 200-144.00c.
Holmstrom, Lars Olof, to Siemens Aktiengesellschaft. X-ray device with a stand. 3,784,837, 1-8-74, Cl. 250-523.000.
Holmstrom, Nils Felix Folke, to Amaco Maskin AB. Structural elements for the erection of masts, such as hoist and crane masts, antenna masts etc. 3,796,018, 3-12-74, Cl. 52-638.000.
Holmstrom, William L., to Caterpillar Tractor Company. Replaceable cutting edge with plural tangs. 3,845,578, 11-5-74, Cl. 37-141.00r.
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Holoka, Alexander. Fuse receptacle. 3,833,875, 9-3-74, Cl. 337-269.000.
Holopainen, Vaino J. Material handling apparatus. 3,807,586, 4-30-74, Cl. 214-138.00r.
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Holoubek, George Henry; Ales, David Edward; Harms, Harland Elmer; Erickson, Warren E.; Ditmars, Maurice A.; and Brookhart, J. Keith, to Dart Industries Inc. Foldable tubular package. 3,823,850, 7-16-74, Cl. 222-107.000.
Holoubek, George Henry; Ales, David Edward; Harms, Harland Elmer; Erickson, Warren E.; Ditmars, Maurice A.; and Brookhart, J. Keith, to Dart Industries, Inc. Foldable tubular package apparatus. 3,851,568, 12-3-74, Cl. 93-36.800.
Holovka, Charles Stephen: *See—*
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Holowaty, Michael O., to Inland Steel Company. Briquetting apparatus. 3,791,802, 2-12-74, Cl. 44-13.000.
Holowaty, Michael O.; and Stirling, Harold T., to Carbo-Scrap, Inc., mesne. Process for production of carbon-bearing scrap and product. 3,833,343, 9-3-74, Cl. 29-180.00r.
Holroyd, Eric; Goodfellow, Anthony G.; and McGlashen, James N., to Dunlop Limited. Method of moulding hollow rubber articles. 3,825,457, 7-23-74, Cl. 156-147.000.
Holschele, Guenther Kurt, to Du Pont de Nemours, E. I., and Company. Solid phase polycondensation process. 3,801,547, 4-2-74, Cl. 260-75.00m.
Holshouser, Howard E.: *See—*
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Holsinger, Wilmar O., 2C-2B Corporation. Hydrometallurgical solubilizer with selective electroplating mechanism. 3,788,965, 1-29-74, Cl. 204-234.000.
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Holstrom, Lars, to Siemens Aktiengesellschaft. X-ray device for investigation of skulls. 3,803,418, 4-9-74, Cl. 250-191.000.
Holt, Brian; Randell, Donald Richard; and Jack, James, to Ciba-Geigy Corporation. Acyl hydrazones of 2,2,6,6-tetramethylpiperidine-4-ones. 3,828,052, 8-6-74, Cl. 260-293.620.
Holt, Brian; Randell, Donald Richard; and Jack, James, to Ciba-Geigy Corporation. Polymers stabilized with acyl hydrazones. 3,833,636, 9-3-74, Cl. 260-45.80n.
Holt, Brian, to Ciba-Geigy Corporation. Azine derivatives of piperidine. 3,853,890, 12-10-74, Cl. 260-293.630.
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Holt, Fletcher O., to Combustion Engineering, Inc. Liquid heater. 3,851,625, 12-3-74, Cl. 122-136.00r.
Holt, Frank G. Manually controlled variable pitch propeller. 3,853,427, 12-10-74, Cl. 416-167.000.
Holt, Jack A., to Burke Concrete Accessories, Inc. Form panel with grouting plug core. 3,801,061, 4-2-74, Cl. 249-190.000.
Holt, James G., Jr., to Fairchild Camera and Instrument Corporation. Noise suppression circuit. 3,816,762, 6-11-74, Cl. 307-237.000.
Holt, James G., Jr., to Fairchild Camera and Instrument Corporation. High-gain comparator circuit. 3,848,139, 11-12-74, Cl. 307-235.00r.
Holt, Jan D., to ACF Industries, Incorporated. Inflatable dunnage. 3,847,091, 11-12-74, Cl. 105-468.000.
Holt, John M.: *See—*
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Holt, Jon G.; Hayward, Gary G.; and Goldstein, Irving, to Raytheon Company. Optical fusing arrangement. 3,793,958, 2-26-74, Cl. 102-70.20p.

Holt, Jorgen; Videmark, Christian; and Christiansen, Palle Hein, to Nordisk Ventilator Co. A/S. Ventilation system. 3,830,145, 8-20-74, Cl. 98-33.000.

Holt, Jorgen; Videmark, Christian; and Christiansen, Palle Hein, to Nordisk Ventilator Co. A/S. Ventilation system. 3,847,065, 11-12-74, Cl. 98-33.000.

Holt, Jurgen; and Hansen, Hans Christian, to Nordisk Ventilator Co. A/S. Damper unit for a ventilation system. 3,791,279, 2-12-74, Cl. 98-33.00a.

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Holt, M. C.; and Tomczak, Walter F., to Medalist Industries, Inc. Protective gear with hydraulic liner. 3,849,801, 11-26-74, Cl. 2-3.00r.

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Holt, Ronald: *See—*
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Holt, Ronald, to Franklin Electric Subsidiaries, Inc., mesne. Article group assembly and forwarding conveyor for wrapping machines. 3,794,154, 2-26-74, Cl. 198-34.000.

Holt, Ronald, to Battle Creek Packaging Machines, Inc. Roll feed and package group forming conveyor. 3,823,813, 7-16-74, Cl. 198-76.000.

Holt, Ronald A., 1/3 each to Holt, Chali; Holt, Joan B.; and Holt, Evan N. Safety catch for trap. 3,823,505, 7-16-74, Cl. 43-81.500.

Holt, Terence Albert; and Barre, Jean-Gabriel, to Centre Technique du Cuir. Device for mounting the toe and heel ends of a shoe upper. 3,787,915, 1-29-74, Cl. 12-8.100.

Holt, Terence Albert; and Barre, Jean-Gabriel, to Centre Technique du Cuir. Apparatus for fitting shoe uppers. 3,798,694, 3-26-74, Cl. 12-8.500.

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Holt, William David, to Lucas, Joseph, (Electrical) Limited. Control circuit for cooling fans. 3,794,896, 2-26-74, Cl. 318-471.000.

Holt, William G., to Hercules Incorporated. Method of preparing plastic containers. 3,843,025, 10-22-74, Cl. 222-207.000.

Holt, William R., to Fermented Products, Inc. Condensed fermented whey animal feed product and method. 3,840,670, 10-8-74, Cl. 426-41.000.

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Holtermann, Theodore J., to Outboard Marine Corporation. Anti-ventilation fence for a trim tab. 3,817,202, 6-18-74, Cl. 115-34.000.

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Holtey, Thomas O., to Honeywell Information Systems, Inc. Card reader data logic with position indication and error detection. 3,857,019, 12-24-74, Cl. 235-61.11a.

Holther, Grover P., Jr., to Electro Engineering Products Co., Inc. Bench grinder apparatus. 3,822,513, 7-9-74, Cl. 51-168.000.

Holtje, Malcolm C., to General Radio Company. Apparatus for high speed resistor trimming. 3,855,109, 12-17-74, Cl. 204-228.000.

Holtkamp, Donald A., to Clark Equipment Company. Dual extensible reach truck. 3,802,589, 4-9-74, Cl. 214-770.000.

Holtkamp, Donald A.; Chichester, Willard L.; and Rabbitt, Robert R., to Clark Equipment Company. Extended reach truck. 3,834,569, 9-10-74, Cl. 214-762.000.

Holtkamp, Donald A.; and Chichester, Willard L., to Clark Equipment Company. Hydrostatic propulsion system. 3,841,423, 10-15-74, Cl. 180-6.300.

Holton, Charles Ernest, Jr. Holder for fishing rod. 3,802,652, 4-9-74, Cl. 248-42.000.

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Holtzberg, Frederic; Mayadas, Ashok F.; Thompson, William A.; and Von Molnar, Stephan, to International Business Machines Corporation. Detection of magnetic domains by tunnel junctions. 3,840,865, 10-8-74, Cl. 340-188.000.

Holtzcheiter, Earl W., Jr.: *See—*
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Holub, Frank J., III; and Holub, Joseph F., to Holub, Frank, Brush Manufacturers. Carpet roller. 3,830,118, 8-20-74, Cl. 81-3.00r.

Holub, Fred F.: *See—*
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Holub, Fred F.; Berger, Abe; and Hardman, Bruce B., to General Electric Company. Aliphatically unsaturated organopolysiloxanes. 3,803,196, 4-9-74, Cl. 260-448.20n.

Holub, Fred F.; and Gaertner, Richard F., to General Electric Company. Aqueous electrocoating solutions from polyamide-acid resin. 3,833,533, 9-3-74, Cl. 260-29.20m.

Holub, Fred F.; Pauze, Denis R.; and Bialous, Charles A., to General Electric Company. Polyimidosiloxane ester carbonate copolymers. 3,833,681, 9-3-74, Cl. 260-824.00r.

Holub, Fred P.; and Evans, Milton L., to General Electric Company. Imido-substituted organopoly-siloxane compositions. 3,787,439, 1-22-74, Cl. 260-326.00e.

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Holycross, Reginald R. Machine for sharpening circular saws. 3,839,926, 10-8-74, Cl. 76-37.000.

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Holz, Emil, to Finckh, Hermann, Metalltuch- und Maschinenfabrik. Pressure filter for fibrous suspensions. 3,786,918, 1-22-74, Cl. 209-273.000.

Holz, Emil, to Finckh, Hermann, Metalltuch- und Maschinenfabrik. Endless sieve belt draining device for paper machines. 3,819,474, 6-25-74, Cl. 162-313.000.

Holz, Emil, to Finckh, Hermann, Metalltuch- und Maschinenfabrik. Roller having a cylindrical surface of flat belts and corrugated belts. 3,829,360, 8-13-74, Cl. 162-357.000.

Holz, George E.: *See—*
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Holz, George E.; and Ogle, James, to Burroughs Corporation. Display panel. 3,789,265, 1-29-74, Cl. 315-169.0tv.

Holz, George E., to Burroughs, Corporation. Drive signal storage and direct drive in display systems. 3,821,598, 6-28-74, Cl. 315-169.00r.

Holz, Gunter; Gramsall, Johanna; Nelboeck-Hochstetter, Michael; and Bergmeyer, Hans Ulrich, to Boehringer Mannheim G.m.b.H. Process for the preparation of creatinine amidohydrolase. 3,806,420, 4-23-74, Cl. 195-66.00r.

Holz, Heinrich. Multipart joining element for butt and corner joints. 3,810,341, 5-14-74, Cl. 52-753.00e.

Holz, William G. Crown-shaped pulley lagging. 3,789,682, 2-5-74, Cl. 74-230.700.

Holzapfel, Christian, K.G.: *See—*
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Holzapfel, Jurgen, to Robot Foto und Electronic GmbH & Co. KG. Apparatus for monitoring traffic. 3,849,784, 11-19-74, Cl. 346-107.0vp.

Holzapfel, Jurgen, to Robot Foto und Electronic GmbH & Co. KG. Device for photographic monitoring of road intersections controlled by a traffic light. 3,858,223, 12-31-74, Cl. 346-107.0vp.

Holzberg, Irving, to General Foods Corporation. Method of extracting roasted coffee. 3,810,766, 5-14-74, Cl. 426-386.000.

Holze, Ernest P., Jr.; and Culp, Donald R., to Branson Instruments Incorporated. Replaceable welding tip for vibratory welding apparatus. 3,813,006, 5-28-74, Cl. 228-1.000.

Holzenberger, Kurt; and Schiele, Otto, to Kleim, Schanzlin & Becker Aktiengesellschaft. Method for hydraulically raising ore and other materials. 3,842,522, 10-22-74, Cl. 37-195.000.

Holzer, Walter K. Method and apparatus for speed regulation of alternating current motors. 3,835,357, 9-10-74, Cl. 318-327.000.

Holzerlandt, Dieter: *See—*
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Holzgruber, Wolfgang; Machner, Peter; Kleinhagauer, Otmar; and Matzer, Josef, to Gebr. Bohler & Co. AG. Electroslag remelting apparatus for making metal ingots. 3,801,153, 4-2-74, Cl. 164-252.000.

Holzgruber, Wolfgang W.; Machner, Peter J. V.; and Schwarz, Ludwig, to Gebr. Bohler & Co. AG. Arrangement for use in making slab ingots by electricslag-refining. 3,835,915, 9-17-74, Cl. 164-252.000.

Holzhauer, Hilbert; and Rohra, Alois, to Motoren- und Turbinen-Union Munchen GmbH. Installation for adjusting power turbine guide blades in twin-shaft gas turbine engines especially for the drive of motor vehicles. 3,801,216, 4-2-74, Cl. 415-151.000.

Holzhauer, Rudolf, to Ruggeberg, August, Firma. Abrasive medium. 3,785,094, 1-15-74, Cl. 51-401.000.

Holzhauser, Ronald Charles: *See—*
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Holzhuter, Erich, to Klein, Schanzlin & Becker Aktiengesellschaft. Suction bend conduit for use with centrifugal pumps. 3,820,570, 6-28-74, Cl. 138-39.000.

Holzinger, Charles E.: *See—*
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Holzinger, Karl, to Kannegiesser, Herbert Kommanditgesellschaft. Device for producing moldings from foamable plastics, more particularly, polyurethane. 3,856,451, 12-24-74, Cl. 425-429.000.

Holzkamp, Erhard: *See—*
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Holzl, Horst; Rosskopf, Max; and Csikor, Laszlo, to Huller, Karl, Gesellschaft mit beschrankter Haftung. Workpiece manufacturing and machining device. 3,781,974, 1-1-74, Cl. 29-568.000.

Holzman, James W., to Delbar Products, Inc. Vehicle mirror bracket assembly. 3,833,198, 9-3-74, Cl. 248-476.000.

Holzmann, Karl, to Badische Uhrenfabrik GmbH. Pendulum clock. 3,845,617, 11-5-74, Cl. 58-129.000.

Holzmann, Paul. Self-propelled pipe cart. 3,807,585, 4-30-74, Cl. 214-84.000.

Holzmann, Wilfried, to Hasco-Normalien Hasenclever & Co. Apparatus for the fabrication of injection-molded or die-cast articles. 3,856,255, 12-24-74, Cl. 249-59.000.

Holzrichter, Herbert: *See—*
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Holzrichter, Robert A., to Warwick Electronics Inc. Brightness limiting circuit. 3,848,945, 11-19-74, Cl. 315-30.000.

Holzrichter, Robert A., to Warwick Electronics Inc. Signal translating channel with pre-shoot and over-shoot. 3,849,792, 11-19-74, Cl. 358-37.000.

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Holzworth, George R. Articulated platform for hand trucks and the like. 3,829,063, 8-13-74, Cl. 254-2.00r.

Homac Mfg., Co.: *See—*
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Homan, Oris T., to Triangle Industries, Inc., mesne. Method of forming case-hardened metals by electrolysis. 3,793,160, 2-19-74, Cl. 204-39.000.

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Homstead, Robert. Roll feed mechanism. 3,791,568, 2-12-74, Cl. 226-140.000.

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Honma, Takamichi; Igarashi, Shigeru; and Harada, Hiroshi, to Nippon Electric Company, Limited. F-T rada receiver with level discrimination. 3,825,691, 7-23-74, Cl. 179-15.0ba.

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Honnold, George Herbert; and Prival, Katharine Blossom, to Bell Telephone Laboratories, Incorporated. Logic controlled audio tape information system. 3,804,993, 4-16-74, Cl. 179-100.1ps.

Honold, Ernst; Hubner, Werner; and Sturm, Hans-Dieter, to Klein, Schanzlin & Becker Aktiengesellschaft. Shaft seal. 3,811,687, 5-21-74, Cl. 277-28.000.

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Hood, Christopher J., to Wilkinson Sword Limited. Holders for razor blades. 3,815,227, 6-11-74, Cl. 30-64.000.

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Hoogeveen, Leonardus Petrus Johannes; and Butzelaar, Petrus Floris, to U.S. Philips Corporation. Device for detecting one or more oxidizable components in a sample. 3,819,499, 6-25-74, Cl. 204-195.00s.

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Hook, Richard Wayne, to Deere & Company. Auger and paddle conveyor apparatus. 3,842,971, 10-22-74, Cl. 198-213.000.

Hook, Rollin E., to Armco Steel Corporation. Method of strengthening low carbon steel and product thereof. 3,847,682, 11-12-74, Cl. 148-12.100.

Hook, William R.; Hilberg, Ronald P.; and Dishington, Roland H., to TRW Inc. Double pulse laser. 3,783,403, 1-1-74, Cl. 331-94.500.

Hook, William R.; and Hilberg, Ronald P., to TRW Inc. Laser Q-switching. 3,783,406, 1-1-74, Cl. 331-94.500.

Hook, William R.; Dishington, Roland H.; and Hilberg, Ronald P., to TRW Inc. Solid state laser apparatus with auxiliary intra-cavity mirror elements. 3,815,044, 6-4-74, Cl. 331-94.50c.

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Hoon, Harry E., Jr., to Envirotech Corporation. Method and apparatus for cleaning the filter elements of a dust collector. 3,832,832, 9-3-74, Cl. 55-302.000.

Hoop, James M., to United States of America, National Aeronautics and Space Administration. Method and apparatus for non-destructive testing. 3,782,177, 1-1-74, Cl. 73-71.50u.

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Hoos, Gerald W. Camera flash bracket. 3,855,602, 12-17-74, Cl. 354-293.000.

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Hopengarten, Albert, to Philco-Ford Corporation. Line connected SCR regulator. 3,838,332, 9-24-74, Cl. 321-18.000.
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Hopkins, Roy D. Safety hook holder. 3,839,811, 10-8-74, Cl. 43-25.200.
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Hopkins, Walter M. Articulated sculling oar. 3,834,343, 9-10-74, Cl. 115-28.00r.
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Hopper, Paul J.; Kleinpeter, Jack D.; and Milano, Dominic C., to Centinela Hospital Association, d/b/a Centinela Valley Community Hospital. Mobile hospital bed to facilitate X-ray examinations. 3,818,516, 6-25-74, Cl. 5-67.000.
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Horneff, Hans, to Bosch, Robert, Fernsehanlagen GmbH. Measuring test signals of test lines which have passed through an amplifier, particularly a video amplifier. 3,836,860, 9-17-74, Cl. 330-2.000.
Horneff, James P.; and Pelosi, Michael H., Jr., to CGT Corporation. Distribution system for clean rooms. 3,824,909, 7-23-74, Cl. 98-40.00c.
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Horowitz, Robert M.; and Gentili, Bruno, to United States of America, Agriculture. Dihydrochalcone xylosides and their use as sweetening agents. 3,826,856, 7-30-74, Cl. 426-213.000.
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Horsfall, Owen C., 20% to Lee, Raymond, Organization, Inc., The. Clock repair apparatus. 3,816,896, 6-18-74, Cl. 29-200.00p.
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Horsley, William J., to Interspace Corporation. Coupling for plain end pipes. 3,813,116, 5-28-74, Cl. 285-236.000.
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Horst, Robert L.; and Wolgemuth, Dennis L., to Armstrong Cork Company. Pattern length measurement and control by continuous statistical correlation. 3,832,064, 8-27-74, Cl. 356-163.000.
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Horton, Edward E., to Deep Oil Technology, Inc. Self-healing electrical connector means. 3,784,959, 1-8-74, Cl. 339-60.00m.
Horton, Edward E., III. Underwater search and salvage system. 3,843,184, 10-22-74, Cl. 294-66.00a.
Horton, George F. Safety cut-off device for ignition switch. 3,786,892, 1-22-74, Cl. 180-99.000.
Horton, Herbert D. Method and apparatus for straightening tubular elements. 3,812,700, 5-28-74, Cl. 72-79.000.
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Horton, Robert A., to Precision Metalsmiths, Inc. Method for forming ceramic shell molds. 3,812,898, 5-28-74, Cl. 164-25.000.
Horton, Robert A., to Precision Metalsmiths, Inc. Methods and materials for treating investment casting patterns. 3,836,372, 9-17-74, Cl. 106-38.220.

Horton, Robert F.; and Madachy, John F., to Loopco Industries, Inc. Expansible mandrel assembly and method. 3,815,840, 6-11-74, Cl. 242-72.000.
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Horton, William E., III, to Westinghouse Electric Corporation. Electrical bushing assembly having a direct cable to conductor rod terminal assembly. 3,783,182, 1-1-74, Cl. 174-145.000.
Horton, William Howard, to Eastman Kodak Company. Synchronizing mechanism for flash firing and shutter actuation. 3,800,308, 3-26-74, Cl. 354-142.000.
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Horvath, Robert, to Environmental Research Institute of Michigan. Method and apparatus for monitoring pollution of natural waters. 3,852,997, 12-10-74, Cl. 73-61.10r.
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Horvath, Steve J. Container label operating device. 3,799,834, 3-26-74, Cl. 156-481.000.
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Horvath, William. Tamperproof closure cap and container therefor. 3,805,987, 4-23-74, Cl. 215-252.000.
Horvath, William, to Diamond International Corporation. Safety cap. 3,812,989, 5-28-74, Cl. 215-9.000.
Horvay, Julius B.; and Schumacher, Frank A., to General Electric Company. Refrigerator including automatic ice maker and water reservoir. 3,826,102, 7-30-74, Cl. 62-137.000.
Horwath, Iibor G., to United States of America, Army. Pulse producing circuit. 3,787,738, 1-22-74, Cl. 307-237.000.
Horwath, Robert Otto; and Cole, Gary William, to Standard Brands Incorporated. Process for enzymatically isomerizing glucose to fructose. 3,829,362, 8-13-74, Cl. 195-31.00f.
Horwinski, Elwood R., to CV Industries, Inc. Adjustable drop or riser nipple. 3,847,392, 11-12-74, Cl. 285-302.000.
Horwitz, Don A., to Wesco Products Company. Fixture and method for repairing a worn ball on the yoke of a universal joint assembly. 3,841,178, 10-15-74, Cl. 82-34.00r.
Horwitz, James W.: *See—*
Robinson, Bruce R.; Munnerlyn, Charles R.; Clapham, Terrance N.; and Horwitz, James W., 3,802,768.
Horzick, Joseph, to Motorola, Inc. Visual indication apparatus with rotatable transparent discs. 3,803,831, 4-16-74, Cl. 58-126.00r.
Hosack, Donald R.: *See—*
Burns, Richard H.; Hosack, Donald R.; and Welker, Helmut, 3,833,303.
Hosaka, Akio: *See—*
Baba, Kosaku; Wazawa, Kiyoshi; and Hosaka, Akio, 3,828,294.
Baba, Kosaku; Hosaka, Akio; and Nakamura, Hiromichi, 3,851,305.
Hosaka, Akio, to Nissan Motor Company, Limited. Electric power supply system. 3,784,841, 1-8-74, Cl. 307-64.000.
Hosaka, Akio, to Nissan Motor Company, Limited. Fault detector for motor vehicle safety device. 3,818,431, 6-18-74, Cl. 340-52.00h.
Hosaka, Akio; Baba, Kosaku; and Wazawa, Kiyoshi, to Nissan Motor Company, Limited. Fault detector for motor vehicle safety device. 3,849,759, 11-19-74, Cl. 340-52.00r.
Hosaka, Akio; and Wazawa, Kiyoshi, to Nissan Motor Company, Limited. Device for automatically detecting abnormal conditions in vehicle tires. 3,852,717, 12-3-74, Cl. 340-58.000.
Hosaka, Hideo, to Bell & Howell Company. Liquid applicator for a photographic printer. 3,853,400, 12-10-74, Cl. 355-103.000.
Hosaka, Hirokazu: *See—*
Suda, Hideaki; Dohgane, Iwao; Hosaka, Hirokazu; and Ebara, Kazunari, 3,855,195.
Hosaka, Iwao; and Yokota, Yuji, to Canon Kabushiki Kaisha and Canon Denshi Kabushiki Kaisha. Magnetic head wherein an erasing head is perpendicular to a record-reproduce gap. 3,827,083, 7-30-74, Cl. 360-121.000.
Hosaka, Tokuichiro: *See—*
Nagazumi, Yasuo; Hosaka, Tokuichiro; and Maeda, Kohei, 3,837,669.
Hosch, Ludwig: *See—*
Esser, Franz; Hanstein, Friedrich; Hosch, Ludwig; and Mueller, Dieter, 3,812,208.
Hoschele, Gunter; Kopp, Eugen; Kroner, Heinz; and Strobl, Xaver, to Werner & Pfleiderer. Block press. 3,804,570, 4-16-74, Cl. 425-261.000.
Hoschele, Werner: *See—*
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Hoscheler, Edgar: *See—*
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Hose, John M.: *See—*
Murray, Lowell C.; and Hose, John M., 3,790,019.
Hosek, William S., to Thiokol Chemical Corporation, mesne. Positive expulsion device for fluids. 3,847,307, 11-12-74, Cl. 222-386.500.
Hosford, Alonzo L. Electroluminescent filament. 3,819,973, 6-25-74, Cl. 313-498.000.
Hoshall, Thomas C. Record tape cartridges. 3,839,736, 10-1-74, Cl. 360-132.000.
Hoshi Denki Seizo Kabushiki Kaisha: *See—*
Ojima, Shin; and Sano, Hiroshi, 3,790,711.
Hoshi, Hiroshi: *See—*
Murakami, Keiichi; Hoshi, Hiroshi; Hirakawa, Michio; and Susuki, Rinnosuke, 3,825,656.
Susuki, Rinnosuke; Hoshi, Hiroshi; and Umeya, Kaoru, 3,788,919.
Susuki, Rinnosuke; Hoshi, Hiroshi; Saito, Jiro; Murakami, Keiichi; and Ito, Humio, 3,816,575.
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Susuki, Rinnosuke; Hoshi, Hiroshi; Saito, Jiro; Murakami, Keiichi; and Yamada, Hisashi, 3,856,746.
Susuki, Rinnousuke; Hoshi, Hiroshi; Araki, Shinichi; Miyamoto, Shinzo; and Ishii, Masao, 3,843,037.
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Yamaguchi, Tadashi; Ono, Takayuki; Hoshi, Hiroshi; Hirakawa, Michio; and Watanabe, Isao, 3,856,745.

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Hoshi, Ikuo: *See—*
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Hoshi, Kinji; and Sugita, Kazuhiro, to Sony Corporation. Machine for grinding an edge contour on a semiconductor wafer. 3,834,083, 9-10-74, Cl. 51-57.000.

Hoshi, Toshihiro: *See—*
Sasaki, Hajime; Yamagishi, Kazuo; Sakai, Sukeyoshi; and Hoshi, Toshihiro, 3,813,767.

Hoshi, Yoshimitu; Wakabayashi, Takeshi; and Uchida, Saburo, to Tamura Electric Works, Ltd. Telephone apparatus. 3,798,380, 3-19-74, Cl. 179-18.00b.

Hoshika, Susumu: *See—*
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Hoshino, Chikafusa: *See—*
Kobayashi, Sadao; Tazawa, Eiichi; Matsunaga, Mitsuro; Hoshino, Chikafusa; and Kunisaki, Hideo, 3,814,619.

Hoshino, Hirof, to Tensho Electric Industrial Company, Ltd. Boat of the knock-down type. 3,795,926, 3-12-74, Cl. 9-2.00c.

Hoshino Kogyo Kabushiki Kaisha: *See—*
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Hoshino, Masao; and Oka, Yuushi, to Takeda Chemical Industries, Ltd. Method for attenuation of mumps virus. 3,829,361, 8-13-74, Cl. 195-1.300.

Hoshino, Mitsuyuki: *See—*
Hara, Kenji; Nishiwaki, Eiji; Yamazoe, Shigeharu; Hoshino, Mitsuyuki; and Yoshino, Sadafumi, 3,839,406.

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Hoshino, Shohei, to Asahi-Dow Limited. Apparatus and method for artificial cultivation of shrimp. 3,841,266, 10-15-74, Cl. 119-2.000.

Hoshino, Tunekichi: *See—*
Seo, Kiyokazu; Hayashi, Yoshihiro; Hoshino, Tunekichi; and Masuda, Fumiyoshi, 3,820,843.

Hoshino, Yoichi: *See—*
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Hoshino, Yoichi; Honda, Kotaro; Funayama, Chihito; and Tanaka, Goro, to Mitsubishi Chemical Industries, Limited. Process for preparing polyurethane foam. 3,838,074, 9-24-74, Cl. 260-2.5bd.

Hoshioka, Hideoki, to Matsushita Electric Works, Ltd. Light load type push button switch. 3,838,237, 9-24-74, Cl. 200-67.0da.

Hoshizaki Denki Kabushiki Kaisha: *See—*
Naruse, Nobutaka, 3,838,790.

Hosho, Yukio; Moriya, Hisanori; and Oyama, Yoshishige, to Hitachi, Ltd. Internal combustion engine equipped with means for reducing the amount of nitrogen oxide which is exhausted from the engine. 3,809,042, 5-7-74, Cl. 123-148.00c.

Hosho, Yukio; and Atago, Takeshi, to Hitachi, Ltd. Electrically controlled automatic choke of a carburetor for an internal combustion engine. 3,818,881, 6-25-74, Cl. 123-119.00f.

Hosho, Yukio, to Hitachi Ltd. Automatic choke control. 3,834,677, 9-10-74, Cl. 261-39.00b.

Hosick, Charles L.; and Beek, Joseph A., to United States of America, Air Force. Associative storage apparatus for comparing between specified limits. 3,845,465, 10-29-74, Cl. 340-146.200.

Hosier, James Crombie: *See—*
Eiselstein, Herbert Louis; and Hosier, James Crombie, 3,828,296.

Hosiery Mate Company, The: *See—*
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Hosijima, Eimatsu: *See—*
Miyake, Mikihiko; and Hosijima, Eimatsu, 3,802,399.

Hosking, John Trevor; and Blackham, Norman, Head-up display apparatus. 3,848,974, 11-19-74, Cl. 351-174.000.

Hoskins, Leonard Maxwell, to National Research Development Corporation. Preparation of mixes. 3,785,621, 1-15-74, Cl. 259-102.000.

Hosler, Peter; and Baillie, Robert A., to Sun Research and Development Co. Separation of liquid isophthalonitrile. 3,801,620, 4-2-74, Cl. 260-465.00c.

Hosmer, Max E., to Freedman Artcraft Engineering Corporation. Display fixture. 3,788,717, 1-29-74, Cl. 312-122.000.

Hosoda, Kirokuro; and Shiina, Naonori, to Furukawa Electric Company Limited, The. Method of manufacturing foamed cross-linked polyolefin slabs involving multiple expansion techniques and direct gas pressure. 3,812,225, 5-21-74, Cl. 264-54.000.

Hosoda, Kirokuro; Shiina, Naonori; Kadowaki, Yoshio; Hashimoto, Makoto; Suzuki, Naohiko; and Sugita, Tadashi, to Furukowa Electric Company Limited and Nissei Kogyo Kabushiki Kaisha. Method for producing a composite foamed article. 3,814,778, 6-4-74, Cl. 26-45.000.

Hosoda, Masayuki; and Kassai, Kimitaka, to Otari Electric Company Ltd. Automatic cassette tape winding apparatus. 3,797,770, 3-19-74, Cl. 242-56.00r.

Hosoda, Taisei; Ogata, Kyoichi; Uzuhashi, Hideo; Ogawa, Hiroyuki; Sakazumi, Akio; Sekine, Yozi; and Fujie Kunio, to Hitachi, Ltd. Window-mounted air conditioning apparatus. 3,805,541, 4-23-74, Cl. 62-262.000.

Hosoda, Taisei; Ogata, Kyoichi; Uzuhashi, Hideo; Ogawa, Hiroyuki; Sakazumi, Akio; Sekine, Yozi; and Fujie, Kunio, to Hitachi, Ltd. Air conditioning apparatus. 3,805,542, 4-23-74, Cl. 62-262.000.

Hosoda, Yoshikado: *See—*
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Hosoe, Kazuya; Matsumoto, Seiichi; and Mochizuki, Noritaka, to Canon Kabushiki Kaisha. Focusing device for optical instruments. 3,820,129, 6-25-74, Cl. 354-25.000.

Hosoe, Kazuya; and Matsumoto, Seiichi, to Canon Kabushiki Kaisha. Automatically adjustable focusing system. 3,856,399, 12-24-74, Cl. 356-1.000.

Hosoe, Kuzuya: *See—*
Matsumoto, Seiichi; Hosoe, Kuzuya; and Mochizuki, Noritaka, 3,836,919.

Hosoe, Toshiaki; Okami, Yuji; Michishita, Katsumi; and Fukuda, Shuzo, to Nippon Kokan Kabushiki Kaisha. Method and apparatus for identifying the periodicity of surface defects of strip materials. 3,812,373, 5-21-74, Cl. 250-562.000.

Hosogai, Toshio: *See—*
Takahashi, Shizuo; Kobayashi, Yoshio; and Hosogai, Toshio, 3,847,708.

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Kagiya, Tsutomu; Mitsui, Hiroshi; Hosoi, Fumio; Fujimoto, Takahiko; Takata, Hiroshi; Tsuneta, Kazuyoshi; and Ushirokawa, Masahiro, 3,816,284.
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Hosoi, Hiroomi: *See—*
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Hosoi, Katuo: *See—*
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Hosoi, Kazuo: *See—*
Ohno, Masaji; Okamoto, Masaru; Kawabe, Norio; Kataoka, Mutsuo; and Hosoi, Kazuo, 3,840,565.

Hosoi, Kazuo, to Japan Oxygen Co., Ltd. Method and apparatus for brazing aluminum metal and its alloys within a vacuum heating furnace. 3,830,622, 8-20-74, Cl. 432-12.000.

Hosoi, Keizo; Sugami, Hiroshi; and Imai, Isao, to Asahi Kasei Kogyo Kabushiki Kaisha. Photopolymerizable compositions and elements containing addition polymerizable polymeric compounds. 3,796,578, 3-12-74, Cl. 96-67.000.

Hosoi, Susmu: *See—*
Watanabe, Jun; Hosoi, Susmu; Kuwazaki, Masahiro; Ota, Akira; Takata, Toshikatsu; and Asaoka, Junichi, 3,784,413.

Hosoi, Takuji; Kanbayashi, Masaaki; Washimi, Koichi; and Gomi, Shimpei. Process for the thermal cracking of hydrocarbons. 3,855,339, 12-17-74, Cl. 260-683.00r.

Hosokawa, Toshio: *See—*
Murayama, Naohiro; Hosokawa, Toshio; and Shirai, Morio, 3,798,287.

Hosokawa, Toshio. Refrgieration system. 3,817,055, 6-18-74, Cl. 62-468.000.

Hosoki, Kanoo: *See—*
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Hosomi, Fumio: *See—*
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Hosomi, Masaaki: *See—*
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Hosono, Hiroo: *See—*
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Hosono, Hiroo; Minamide, Seiko; and Fukushima, Juichi, to Matsushita Electric Industrial Co., Ltd. Tape reel and tape reel storing magazine. 3,797,777, 3-19-74, Cl. 242-197.000.

Hosono, Hiroo; and Nagahiro, Michinori, to Matsushita Electric Industrial Co., Ltd. Rotary head type magnetic recording and reproducing apparatus. 3,818,503, 6-18-74, Cl. 360-85.000.

Hosono, Hiroo; Minamide, Seiko; Hukushima, Juichi; Kudou, Yoku; and Kimura, Shunichiro, to Matsushita Electric Industrial Co., Ltd. Tape reel. 3,856,228, 12-24-74, Cl. 242-71.800.

Hosotani, Tetsuo: *See—*
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Hosoya, Minoru; Hama, Tatsuharu; and Arafune, Hisayuki, to Kao Soap Co., Ltd. Apparatus for attaching hangers to paper boxes. 3,808,957, 5-7-74, Cl. 93-36.700.

Host, Pierre L., to Etablissements Carpano & Pons S.A. Fishing reel. 3,810,592, 4-14-74, Cl. 242-84.51a.

Hosterman, Harry L., to Portage Newspaper Supply Company. Phototypesetting machine. 3,820,122, 6-25-74, Cl. 354-15.000.

Hosterman, Richard N.: *See—*
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Price, Robert B.; Hosterman, Richard N.; and Cook, William G., 3,795,155.

Hosterman, Thomas J.; and Goodell, Frank S., to United States of America, Air Force. Tow plate. 3,801,051, 4 -2-74, Cl. 244-137.00r.

Hostetler, Eldon: *See—*
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Hostetler, Eldon, to Chore-Time Equipment, Inc. Adjustable dispensing sleeve for feed conveyor and method for positioning same. 3,807,359, 4-30-74, Cl. 119-52.0af.

Hostetler, William: *See—*
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Hostetter, John L. Clamp and vise. 3,836,137, 9-17-74, Cl. 269-167.000.

Hostetter, Joseph A., to Xerox Corporation. Photometer including variable amplification and dark current compensation. 3,790,288, 2-5-74, Cl. 356-226.000.

Hostetter, Richard S.; and Vyas, Mahesh M., to Bethlehem Steel Corporation. Method of reducing rolling mill roll wear. 3,803,888, 4-16-74, Cl. 72-45.000.

Hostettler, Fritz: *See—*
Lombardi, Frank G.; Hostettler, Fritz; and Cook, William H., 3,806,473.

Hostettler, Fritz; and Herzog, Heinz O., to Inter-Polymer Research Corporation. Cartridge for storing, mixing and dispensing a plurality of ingredients. 3,794,221, 2-26-74, Cl. 222-190.000.

Hostettler, Fritz; and Cox, Eugene F., to Union Carbide Corporation. Process for producing urethane foam in the presence of a siloxone-oxalkylene block copolymer. 3,817,882, 6-18-74, Cl. 260-2.5ah.

Hostettler, Fritz; and Graefe, Peter U., to Inter Polymer Research Corporation. Liquid injection molding apparatus. 3,853,446, 12-10-74, Cl. 425-217.000.

Hostettler, Paul: *See—*
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Hotard, Septime R. Carcass splitting machine. 3,790,989, 2-12-74, Cl. 17-23.000.

Hotchkiss, Jack G.: *See—*
Burk, Robert L.; and Hotchkiss, Jack G., 3,809,059.

Hotchkiss, John E. Magnetically operated electrical connector. 3,816,679, 6-11-74, Cl. 200-51.090.

Hotchkiss, Kenneth W.; and Byers, Gerald S., to Photo Production Plastics, Inc. Covers for terminal boxes. 3,836,826, 9-17-74, Cl. 317-122.000.

Hotchkiss, Marvin E., to Goodrich, B. F., Company, The. Segmented friction member assembly. 3,786,904, 1-22-74, Cl. 192-107.00r.

Hotchkiss, Robert William. Projectile including a cylindrical body with one flanged end and a target board. 3,784,200, 1-8-74, Cl. 273-95.00r.

Hotchkiss, Stuart Evan: *See—*
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Hoten, Masanobu: *See—*
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Hotta, Seiji; Yanagihara, Hideki; and Skamatsu, Takashi, to Sumitomo Chemical Company, Ltd. Process for producing 3,3-bis-(p-dimethyleminophenyl)-4,5,6 or 7 dimethylaminophthalide. 3,794,666, 2-26-74, Cl. 260-343.300.

Hotta, Seiji; and Akamatsu, Takashi, to Sumitomo Chemical Company, Limited. Naphthalimide hydrazinamides. 3,798,224, 3-19-74, Cl. 260-281.000.

Hotta, Yasue: *See—*
Abe, Jinnosuke; Watanabe, Tetsuo; Take, Teruo; Fujimoto, Kentaro; Fujii, Tadashiro; Hotta, Yasue; Kobari, Sadami; Ishimura, Fumihiro; Kitahora, Nobuya; and Fukushima, Mituru, 3,833,558.

Hotta, Yoichi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. System for multiplex transmission of electrical signals utilizing synchronized ring counters. 3,821,477, 6-28-74, Cl. 179-15.00a.

Hotte, Gary D., to Sperry Rand Corporation. Safety interlock circuit. 3,793,567, 2-19-74, Cl. 317-135.000.

Hotten, Bruce W., to Chevron Research Company. Rust inhibiting lubrication oil additives. 3,785,981, 1-15-74, Cl. 252-51.50a.

Hotten, Bruce W., to Chevron Research Company. Lubricating composition. 3,795,613, 3-5-74, Cl. 252-49.900.

Hotten, Bruce W., to Chevron Research Company. Lubricating oil additives. 3,796,663, 3-12-74, Cl. 252-51.50a.

Hotten, Bruce W., to Chevron Research Company. Magnesium phenoxides and lubricants containing the same. 3,809,648, 5-7-74, Cl. 252-32.70e.

Hotten, Bruce W., to Chevron Research Company. Dioxan-containing aluminum lubricant. 3,846,319, 11-5-74, Cl. 252-49.500.

Hottendorf, William J., to Ametek, Inc. Feeding mechanism for paperboard container handling machine. 3,804,402, 4-16-74, Cl. 271-139.000.

Hotwork Limited: *See—*
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Hotz, Kenneth J., Jr.; Steiner, Edward; and Fox, Gary L., to Wright, Barry, Corporation. Pneumatic isolator. 3,788,628, 1-29-74, Cl. 267-65.00r.

Hotze, Hermann: *See—*
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Hou, Joseph P.; and Poole, John W., to American Home Products Corporation. Poly α -amino penicillins. 3,838,152, 9-24-74, Cl. 260-239.100.

Hou, Kenneth C.; and Thomas, Norman W., to Celanese Corporation. Trialkylsilyl-treated fumed silicon dioxide pitments for electro-deposition. 3,846,356, 11-5-74, Cl. 260-18.0ep.

Hou, Kenneth C., to Celanese Corporation. Carbon fiber reinforced composite article. 3,853,600, 12-10-74, Cl. 117-76.00t.

Houben, Heinz; Kramer, Carl; and Stein, Heinrich, to Monforts, A. Apparatus for full-width suspension guidance of webs of material. 3,823,488, 7-16-74, Cl. 34-156.000.

Houck, Albert: *See—*
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Houck, Deward J., to International Scanatron Systems Corporation. Fluorescent lamp system for facsimile. 3,833,761, 9-3-74, Cl. 178-7.100.

Houck, Deward J., to International Scanatron Systems Corporation. High stability multiple speed motor power supply for facsimile. 3,855,510, 12-17-74, Cl. 318-171.000.

Houck, Walter H.; and Stigberg, Jon D., to United States of America, National Aeronautics and Space Administration. Signal conditioner test set. 3,848,190, 11-12-74, Cl. 324-158.00t.

Houdaille Industries, Inc.: *See—*
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Dahlman, George L.; and Kern, Leon O., 3,811,694.
Frazier, James L.; and Polacek, Richard, 3,791,257.
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Houde, Michel: *See—*
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Houdin, Henri Rene. Method of constructing building and apparatus for carrying out said method. 3,832,819, 9-3-74, Cl. 52-741.000.

Houe, Richard D., to Rockwell International Corporation. Single lever joy-stick apparatus. 3,786,689, 1-22-74, Cl. 74-471.0xy.

Hougen, Everett D. Arbor for an annular hole cutter. 3,825,362, 7-23-74, Cl. 408-68.000.

Hougen, Gary A.; and Kloc, Henry F., to Continental Can Company, Inc. Tab mounting arrangement for easy opening can end. 3,795,340, 3-5-74, Cl. 220-54.000.

Hougen, Gary A.; and Kloc, Henry F., to Continental Can Company, Inc. Latching arrangement for ring pull tab of an easy opening container. 3,813,001, 5-28-74, Cl. 220-54.000.

Hougen, Gary A.; and Kloc, Henry F., to Continental Can Company, Inc. Safety overcap for easy opening container. 3,826,400, 7-30-74, Cl. 220-29.000.

Hougen, Gary A.; and Kloc, Henry F., to Continental Can Company, Inc. Non-detachable easy opening container. 3,826,402, 7-30-74, Cl. 220-48.000.

Hough, Curtis R., to Chrismin Manufacturing Company, Inc. Drum-top pump assembly. 3,833,156, 9-3-74, Cl. 222-383.000.

Hough, David S. Double lock electric plug. 3,790,914, 2-5-74, Cl. 339-14.00p.

Hough, Harold L.; and Wierzbicki, Julian J., to GTE Sylvania, Incorporated. Lighting fixture. 3,788,560, 1-29-74, Cl. 240-51.11r.

Hough, J. Leonard, to Republic Steel Corporation. Overhead load supporting structure and method. 3,802,730, 4-9-74, Cl. 294-81.00r.

Hough Manufacturing Corporation: *See*—
Williams, Charles E., 3,783,930.

Hough, Richard Murray. Rotary grain distribution system. 3,827,578, 8-6-74, Cl. 214-16.00r.

Hough, William V.; Guibert, Clarence R.; and Hefferan, Gerald T., to Mine Safety Appliances Company. Preparation of orthoborates of monohydric alcohols and phenols. 3,853,941, 12-10-74, Cl. 260-462.00r.

Houghton, George L.; and Fredensberg, Fred F., to Rug Crafters. One-handed tufting tool. 3,802,359, 4-9-74, Cl. 112-80.000.

Houghton, Joseph Winston: *See*—
Gruber, John Gerald; Chow, Peter El Kwan; and Houghton, Joseph Winston, 3,830,981.

Houghton, Norman F., to Philco-Ford Corporation. Apparatus for forming articles from plastic sheet material. 3,816,051, 6-11-74, Cl. 425-388.000.

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Lynas, Derek Leigh; Lock, Alan Howard; and Houghton, Paul, 3,786,348.

Houghton-Larsen, Erik; and Hansen, Ove Emil, to Aktieselskabet Niro Atomizer. Method for producing a coffee concentrate. 3,821,434, 6-28-74, Cl. 426-193.000.

Houghton-Larsen, Erik; and Kjaergaard, Ole Gronning, to Aktieselskabet Niro Atomizer. Apparatus for the continuous extraction in counterflow of powdered materials. 3,857,332, 12-31-74, Cl. 99-536.000.

Hougland, Russell Allyn: *See*—
Tassie, Douglas Pray; and Hougland, Russell Allyn, 3,800,658.

Houle, Guy Jean: *See*—
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Bailey, William J., Jr.; Houle, James F.; and Van Norman, Gilden R., 3,850,642.

Houle, Philip J.: *See*—
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Houlgrave, Robert C.; and Weber, Joseph P. Valve seat construction. 3,827,673, 8-6-74, Cl. 251-360.000.

Houlihan, John Brendan: *See*—
Cox, John Ernest; Crafts, Robert Charles; Houlihan, John Brendan; and Lawson, Leslie Edward, 3,796,603.

Houlihan, William J.: *See*—
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Habeck, Dietmar A.; and Houlihan, William J., 3,784,693.
Habeck, Dietmar A.; and Houlihan, William J., 3,842,088.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. 5-(Alpha-amino benzyl)-10,11-dihydro- and -5H-dibenzo[a,d]cyclohepten-5-ols and the salts thereof. 3,787,495, 1-22-74, Cl. 260-570.50r.

Houlihan, William J., to Sandoz-Wander, Inc. 2-Hydroxyalkyl-4,5-dihydropyridazin-3(2H)-one derivatives. 3,790,572, 2-5-74, Cl. 260-250.00a.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. 7-Substituted pleiadenes and 8-substituted dibenzoheptalenes. 3,795,676, 3-5-74, Cl. 260-293.620.

Houlihan, William J., to Sandoz-Wander, Inc. Thieno (2,3-g) indazoles. 3,816,437, 6-11-74, Cl. 260-294.80b.

Houlihan, William J., to Sandoz-Wander, Inc. 2H[1]-Benzothiepino[5,4-c]pyrazoles and [1]-benzothiopyrano[4,3-c]pyrazoles. 3,816,438, 6-11-74, Cl. 260-294.80b.

Houlihan, William J., to Sandoz-Wander, Inc. Dichlora-alpha, alpha, alpha,-trifluorotoluamides. 3,823,134, 7-9-74, Cl. 260-239.0ba.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. 3-(4-Halophenyl)-3-(2-pyridyl)-3,4-dihydro isocoumarins. 3,824,244, 7-16-74, Cl. 260-295.00f.

Houlihan, William J., to Sandoz-Wander, Inc. Bis(trifluoromethyl) benzamides. 3,825,594, 7-23-74, Cl. 260-558.00r.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. Isochromanones. 3,838,170, 9-24-74, Cl. 260-343.20r.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. 3-Phenyl-3-ortho amino phenyl-phthalanols. 3,838,174, 9-24-74, Cl. 260-346.20r.

Houlihan, William J.; and Nadelson, Jeffrey, to Sandoz-Wander, Inc. 2-Substituted-3-disubstituted-4,5,6,7-substituted or unsubstituted phthalimidines. 3,849,438, 11-19-74, Cl. 260-325.000.

Houlihan, William J., to Sandoz-Wander, Inc. Process for imidazo[2,1-β] isoidoles and intermediates. 3,852,303, 12-3-74, Cl. 260-309.600.

Houlmiere, Emilien V. Pruning tool. 3,829,968, 8-20-74, Cl. 30-190.000.

Hoult, David P.; and Milgram, Jerome H. Rough water barrier. 3,802,201, 4-9-74, Cl. 61-1.00f.

Houma Valve Service, Inc.: *See*—
Soudelier, Morris A., 3,812,722.

Houng, Shunjen. Antenna control. 3,798,649, 3-19-74, Cl. 343-117.00r.

Houot, Jean Jacques, to Entreprise de Recherches et d'Activites Petrolieres (ELF). Apparatus for connecting two pipe ends by remote control. 3,845,973, 11-5-74, Cl. 285-26.000.

Houry, Shlomo: *See*—
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House, Albert M. Wind-forced wheel turner. 3,797,786, 3-19-74, Cl. 244-103.00s.

House, Bruce F., to Shelley Manufacturing Company. Interlocking device for portable food service cabinets and the like. 3,791,707, 2-12-74, Cl. 312-111.000.

House, Delbert: *See*—
Hardick, Aldin; House, Delbert; and Martin, Alvin M., 3,825,988.

House, John I. Control for rearview mirror. 3,815,365, 6-11-74, Cl. 60-572.000.

House, Kenneth: *See*—
Gallagher, Howard L.; Limacher, Robert W.; and House, Kenneth, 3,803,527.

House, Marshall K.; and Train, Michael D., to Cascade Corporation. Line take-up assembly. 3,782,409, 1-1-74, Cl. 137-355.170.

House of Doors, Inc.: *See*—
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House, Ralph: *See*—
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Sharman, Samuel H.; House, Ralph; and Anderson, Glen W., 3,819,519.
Sweeney, William A.; and House, Ralph, 3,845,114.

House, Ralph; and Danzik, Michell, to Chevron Research Company. Dialpylphenon sulfate-sulfonate. 3,821,272, 6-28-74, Cl. 260-457.000.

House, Ronnalee, to General Motors Corporation. Ignition distributor. 3,799,135, 3-26-74, Cl. 123-146.50a.

House, William Cullingford; and Maroudas, Nicholas George, to National Research Development Corporation. Cell culture systems. 3,853,712, 12-10-74, Cl. 195-127.000.

Householder, Kermit W.; and Doesburg, Van I., to Dow Corning Corporation. Distillation process of monomers with the addition of an antifoam composition. 3,785,935, 1-15-74, Cl. 203-20.000.

Householder, Kermit W.; and Doesburg, Van I., to Dow Corning Corporation. Antifoam composition. 3,846,329, 11-5-74, Cl. 252-358.000.

Householder, Kermit W., to Dow Corning Corporation. Antifoam composition. 3,856,701, 12-24-74, Cl. 252-358.000.

Householder, Roy M., to Northwestern Corporation, The. Bulk merchandise vending machine with removable cash box and single lock. 3,804,294, 4-16-74, Cl. 221-154.000.

Houseman, Henry J.; and Roll, Louis C., to Eaton Corporation. Hand grip control assembly. 3,823,616, 7-16-74, Cl. 74-471.000.

Houser, David E.: *See*—
Cracraft, Larry F.; Houser, David E.; and Whitaker, Edward G., 3,836,955.

Houser, John M., to Oster Corporation. Hair clipper with improved on/off switch. 3,846,603, 11-5-74, Cl. 200-157.000.

Houser, Lloyd; and Jeffries, William G., to PPG Industries, Inc. Automatic variable phase shift control for welding glass sheets. 3,847,584, 11-12-74, Cl. 65-40.000.

Houser, Philip H.: *See*—
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Houser, Phillip H.: *See*—
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Housh, Lloyd M.: *See*—

Paul, David E.; and Housh, Lloyd M., 3,795,724.

Housholder, Ross F. Optics index filing system. 3,786,931, 1-22-74, Cl. 211-40.000.

Housing Systems Corporation: *See*—
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Housley, John Rosindale: *See*—
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Housman, Richard J.: *See*—
Peterson, Bertil E.; and Housman, Richard J., 3,785,679.

Houst, Douglas R.; Jones, Kenneth R.; and Lajmeister, Bruce R., to General Electric Company. Impact absorber for rotary mower blade. 3,788,050, 1-29-74, Cl. 56-295.000.

Houst, Douglas R.; and Jones, Kenneth R., to General Electric Company. Rotary lawn mower discharge chute safety deflector. 3,818,687, 6-25-74, Cl. 56-320.200.

Houston Chronicle Publishing Company: *See*—
Underwood, Jereld L., 3,787,264.
Underwood, Jereld L.; Edmoundson, Floyd D.; and Dolezal, Milton M., 3,828,674.

Houston Company, The: *See*—
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Houston Controls Systems, Inc.: *See*—
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Houston, David T.; and Wilson, James S., to Texas Instruments, Incorporated. Dual mode thermal recorder. 3,840,878, 10-8-74, Cl. 346-62.000.

Houston, Edward F.; Wallace, Robert L.; Rochette, William; and Chaponis, Charles A., to Houston Company, The. Electrical switch assembly and valve for liquid filling system. 3,786,207, 1-15-74, Cl. 200-61.860.

Houston Engineering Research Corporation: *See*—
Schweppe, Joseph L.; McMorris, Arthur H.; and Ahlgren, Erick L., 3,809,120.

Houston, John Kenneth, to Rank Organisation Limited, The. Lithography. 3,795,446, 3-5-74, Cl. 355-78.000.

Houston, John M., to General Electric Company. X-ray image intensifier input phosphor screen and method of manufacture thereof. 3,783,297, 1-1-74, Cl. 250-483.000.

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Houston, John M., to General Electric Company. X-ray image intensifier input phosphor screen and method of manufacture thereof. 3,783,299, 1-1-74, Cl. 250-483.000.

Houston, John M., to General Electric Company. Method of manufacturing X-ray image intensifier input phosphor screen. 3,852,131, 12-3-74, Cl. 156-3.000.

Houston, John M., to General Electric Company. Method of manufacturing X-ray image intensifier input phosphor screen. 3,852,132, 12-3-74, Cl. 156-3.000.

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Ebner, Theran L., 3,820,075.

Houston, Robert K.: *See*—
Brink, Edwin H.; and Houston, Robert K., 3,797,195.

Houston, Robert K.; and Irving, Donald W., to FMC Corporation. Press for forming one-piece tablet containing seeds or the like. 3,836,299, 9-17-74, Cl. 425-128.000.

Houston, Robert W., to Applied Power Industries, Inc. Tire changer apparatus. 3,786,851, 1-22-74, Cl. 157-1.100.

Houston, Robert W., to Applied Power Industries, Inc. Tire changer apparatus. 3,786,852, 1-22-74, Cl. 157-1.100.

Houtkamp, Johannes Jacobus: *See*—
Mulder, Hendrik; and Houtkamp, Johannes Jacobus, 3,794,874.

Houtman, Eliberthus; and Siekman, Jakob Gerard, to U.S. Philips Corporation. Cold cathode gaseous discharge device for producing electrons in an X-ray fluorescence analysis apparatus. 3,852,596, 12-3-74, Cl. 250-310.000.

Houtman, Richard L.: *See*—
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Houtz, Kenneth E.: *See*—
Kampert, Keith W.; and Houtz, Kenneth E., 3,789,943.

Houx, James R.: *See*—
Cates, Robert L.; Mitchell, Robert M.; and Houx, James R., 3,782,453.

Houze, Gerald L., Jr.: *See*—
Salsgiver, James A.; Houze, Gerald L., Jr.; and Ames, Stuart L., 3,855,018.

Hovagimyan, Norman; and Rosenblatt, Murray, to RCA Corporation. Information transfer system for a PBX. 3,832,495, 8-27-74, Cl. 179-18.0gf.

Hovance, Hubert Thomas; and Tobin, Michael Joseph, to Miller Electric Mfg. Co. Weld head position control system. 3,833,788, 9-3-74, Cl. 219-124.000.

Hovanchak, John A.: *See*—
Drutchas, Gilbert H.; Spencer, Phillip B.; and Hovanchak, John A., 3,841,804.

Hovasse, Christian: *See*—
Allemand, Pierre; and Hovasse, Christian, 3,809,665.

Hovasse, Christian; and Allemand, Pierre, to Rhone-Progil. Setting and hardening of aluminous cement. 3,826,665, 7-30-74, Cl. 106-104.000.

Hovel, Harold J.: *See*—
Braslau, Norman; Cuomo, John J.; Harris, Erik P.; and Hovel, Harold J., 3,849,707.
Cuomo, Jerome J.; and Hovel, Harold J., 3,852,796.

Hoveman, Derek Charles, to International Standard Electric Corporation. Fluid immersion conductor insulation tester. 3,820,011, 6-25-74, Cl. 324-54.000.

Hovemann, Friedrich: *See*—
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Hoven, El Don L.: *See*—
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Hoven, El Don L., to Ford Industries, Inc. Voice-monitoring control circuit. 3,798,382, 3-19-74, Cl. 179-81.00r.

Hoven, Johan Bertil; Wallgard, Gunnar Alexius; and Svensson, Bo Herman Thorwald, to Saab-Scania Aktiebolag. Control command seucrity in binary remote control. 3,811,112, 5-14-74, Cl. 340-164.00r.

Hovens, Hubert: *See*—
Rolauffs, Hans; Hovens, Hubert; and Schafer, Max, 3,802,360.

Hover, Nil Th. Manhole closing arrangement. 3,841,676, 10-15-74, Cl. 292-256.500.

Hovermarine Corporation: *See*—
Hall, Arnold M., 3,854,547.

Hovey, Fred A.: *See*—
Alfrich, Floyd E.; and Hovey, Fred A., 3,829,804.

Hovey, Ralph J.: *See*—
Healy, Robert M.; and Hovey, Ralph J., 3,791,938.
Healy, Robert M.; and Hovey, Ralph J., 3,797,108.

Hovey, Ralph J.; and Khan, Afsar A. Dry lubricant coated article. 3,808,111, 4-30-74, Cl. 204-56.00r.

Hovey, Richard J., to American Optical Corporation. Soft contact lens and method of production thereof. 3,839,304, 10-1-74, Cl. 260-80.720.

Hovorka, J. Warren. Football statistic calculating and recording rule. 3,853,264, 12-10-74, Cl. 235-70.00a.

Howa Sangyo Kabushiki Kaisha: *See*—
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Howall, Frank Peterson: *See*—
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Howard, Alan Norman, to Pharmacia AB. Treatment of hypercholesteremia. 3,846,541, 11-5-74, Cl. 424-79.000.

Howard, Anthony Stonham; and Johnson, Ivan Boris David. Liquid-contents gauging systems. 3,818,760, 6-25-74, Cl. 73-291.000.

Howard, Bernard. Course selector and indicator. 3,853,089, 12-10-74, Cl. 116-129.00r.

Howard, Byron W. Drill bit grinder and refacer. 3,841,026, 10-15-74, Cl. 51-71.000.

Howard, Charles A.: *See*—
Amos, Lynn G.; and Howard, Charles A., 3,837,731.

Howard, Charlie Jerry, to Sybron Corporation. Maximum and minimum thermometer. 3,796,101, 3-12-74, Cl. 73-363.700.

Howard, Colin Robert: *See*—
Maltman, William Ramsey; and Howard, Colin Robert, 3,850,605.

Howard, Donald Kearey; Thomas, Brian Martin; Popplewell, Alan Francis; and Matossi, Dario, to Ciba-Geigy Corporation. Aqueous acid tin-plating bath. 3,810,824, 5-14-74, Cl. 204-54.00r.

Howard, Donald W.: *See*—
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Howard, Donald W., to Bendix Corporation, The. Electronically controlled solenoid regulated servomotor. 3,856,362, 12-24-74, Cl. 303-7.000.

Howard, Durrell U. Trailer coupling means. 3,825,281, 7-23-74, Cl. 280-423.00r.

Howard, Frank C.: *See*—
Wilson, Steven J.; and Howard, Frank C., 3,822,819.

Howard, Frank C.; and Wilson, Steven J., to Signode Corporation. Fastener driving tool with improved piston return. 3,815,475, 6-11-74, Cl. 91-399.000.

Howard, Frank C., to Signode Corporation. Magazine release mechanism for fastener driving tool. 3,840,165, 10-8-74, Cl. 227-1.000.

Howard, Frank L.: *See*—
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McDole, Ewell E.; and Howard, Frank L., 3,835,052.
McDole, Ewell E.; and Howard, Frank L., 3,855,136.

Howard, George C.; and Bearden, William G.; deceased (by Bearden, Edith Mae; executrix), to Amoco Production Company. Multi-layer well sand screen. 3,816,894, 6-18-74, Cl. 29-163.50f.

Howard, Gerald T.: *See*—
Nichols, Charles E., Jr.; and Howard, Gerald T., 3,809,595.

Howard, H. Keith. Apparatus for applying closure strips to plastic film. 3,846,209, 11-5-74, Cl. 156-502.000.

Howard, H. Keith, to Uly-Pak, Inc. Heat-sealing system for plastic containers. 3,847,711, 11-12-74, Cl. 156-515.000.

Howard Hardware Products, Inc.: *See—*
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Howard, Harold L.: *See—*
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Ball, Frank W.; and Howard, Harold L., 3,792,762.

Howard, Jack D.; Seiffert, Stanley V.; and Wartes, Christopher R., to Physio-Control Corporation. Portable defibrillators including rotary solenoid relays for energy transfer and dumping. 3,814,105, 6-4-74, Cl. 128-419.00d.

Howard, Jack E., to International Fabric Molders, Inc. Molded breast cup and method of making the same. 3,799,174, 3-26-74, Cl. 128-464.000.

Howard, Jack E., to International Fabric Molders, Inc. Adjustable mold platen for fabric molding. 3,799,721, 3-26-74, Cl. 425-195.000.

Howard, Jack E., to International Fabric Molders, Inc. Heat control for fabric molding. 3,799,727, 3-26-74, Cl. 425-394.000.

Howard, Jack E., to International Fabric Molders, Inc. Mold closing device for fabric molding. 3,799,728, 3-26-74, Cl. 425-416.000.

Howard, James Augustus. Apparatus suitable for playing card games. 3,817,530, 6-18-74, Cl. 273-135.00r.

Howard, Joel A., to Howard Hardware Products, Inc. Display case for sabre saw blades. 3,804,238, 4-16-74, Cl. 206-459.000.

Howard, John Francis, to Canadian General Electric Company, Limited. Quick acting high voltage fuse. 3,801,945, 4-2-74, Cl. 337-159.000.

Howard, John W.: *See—*
Robinson, John W.; Howard, John W.; Hahn, Robert E.; and Hemming, Donald C., 3,822,993.

Howard, Kal W.: *See—*
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Howard, Larry J. Engine with resilient piston. 3,845,691, 11-5-74, Cl. 91-325.000.

Howard, Lucille A.: *See—*
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Howard, Lyman S.: *See—*
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Howard, Michael John: *See—*
Mackrill, David; Carpenter, Denis Cecil John; and Howard, Michael John, 3,825,137.

Howard, Murl B.: *See—*
Paul, Robert A.; and Howard, Murl B., 3,840,445.

Howard, Richard W.; and Weier, Roman J., to Wyard Industries, Inc. Destacking apparatus. 3,831,733, 8-27-74, Cl. 198-32.000.

Howard, Robert, to Centronics Data Computer Corporation. Resilient head assembly having resilient mount. 3,782,520, 1-1-74, Cl. 197-1.00r.

Howard, Robert; and Robinson, Prentice I., to Centronics Data Computer Corporation. High speed printer 3,789,969, 2-5-74, Cl. 197-1.00r.

Howard, Robert, to Centronics Data Computer Corporation. Jewel bearings for printer heads and the like. 3,802,543, 4-9-74, Cl. 197-1.00r.

Howard, Robert; and Robinson, Prentice I., to Centronics Data Computer Corporation. High speed dot matrix printer. 3,802,544, 4-9-74, Cl. 197-1.00r.

Howard, Robert; Robinson, Prentice I.; and Menbennett, Herbert E., to Centronics Data Computer Corporation. Serial to parallel converter for binary signals of two differnet pulse widths. 3,823,397, 7-9-74, Cl. 340-347.0dd.

Howard, Robert, to Centronics Data Computer Corporation. Solenoid having increased throw capability. 3,831,729, 8-27-74, Cl. 197-1.00r.

Howard, Robert, to Centronics Data Computer Corporation. Printer head assembly. 3,833,105, 9-3-74, Cl. 197-1.00r

Howard, Robert; and Robinson, Prentice I., to Centronics Data Computer Corporation. High speed matrix printer. 3,833,891, 9-3-74, Cl. 340-172.500.

Howard, Robert. Printer head assembly. 3,835,975, 9-17-74, Cl. 197-1.00r.

Howard Robert David; and Lomas, Donald, to Imperial Chemical Industries Limited. Fire-fighting. 3,822,207, 7-2-74, Cl. 252-8.000.

Howard, Rollen D.: *See—*
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,819,945.
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Howard, Shirly L., to International Telephone and Telegraph Corporation. Scanning cylindrical antenna for a phase comparison guidance system. 3,787,859, 1-22-74, Cl. 343-106.00r.

Howard, Sol; and Schaaf, Robert, to Air Filters, Inc. Vacuum cleaner nozzel. 3,800,359, 4-2-74, Cl. 15-397.000.

Howard, Thomas P.: *See—*
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Howe, Ralph S., Jr.; Dickinson, Thorn W.; and Sandstrom, Milton G., to Textron, Inc. Bearing with combined slinger-seal. 3,792,912, 2-19-74, Cl. 308-187.200.

Howe, Robert K., to Monsanto Company. Ortho-toluidine plant regulants. 3,813,234, 5-28-74, Cl. 71-76.000.

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Howle, Emory A. Storm door. 3,849,951, 11-26-74, Cl. 52-19.000.

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Howorth, Jonathan Ross, to English Electric Company Limited, The. Evacuated electron discharge tubes. 3,786,296, 1-15-74, Cl. 313-176.000.
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Huber, Wolfgang; and Marx, Anton, to SKF Industrial Trading and Development Company N.V. Radial rolling bearing. 3,792,911, 2-19-74, Cl. 308-35.000.
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Huber, Wolfgang; Chow, Silver H.; and Saifer, Mark G., to Diagnostic Data, Inc. Orgotein from red blood cells. 3,813,289, 5-28-74, Cl. 195-4.000.
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Huber-Emden, Helmut; and Schafer, Paul, to Ciba-Geigy Corporation. Carboxylic acid perfluoroalkyl esters. 3,856,849, 12-24-74, Cl. 260-486.00h.
Hubers, Cornelis. Expansion engine. 3,783,615, 1-8-74, Cl. 60-39.610.
Hubert, Alexis, to Norgren, C. A., Co. Reclassifier for oil fog lubrication systems. 3,834,493, 9-10-74, Cl. 184-7.00r.
Hubert, Bertil Valdemar: *See*—
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Hubner, Klaus, to Siemens Aktiengesellschaft. Commutatorless motor arrangement. 3,854,078, 12-10-74, Cl. 318-227.000.
Hubner, Manfred: *See*—
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Hubner, Otto. Portable hair dryer for long hair. 3,822,483, 7-9-74, Cl. 34-99.000.
Hubner, Otto. Hair dryer cap. 3,829,984, 8-20-73, Cl. 34-99.000.
Hubner, Otto. Hair dryer. 3,836,749, 9-17-74, Cl. 219-370.000.
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Hubschmann, Karl Wolfgang, to Motoren-Werke Mannheim AG vorm. Benz Abt. Stationarer Motorenbau. Hot-gas engines. 3,813,882, 6-4-74, Cl. 60-525.000.
Hubschmann, Karl Wolfgang, to Motoren Werke Mannheim AG Vorm. Benz Abt Stationarer Motorenbau. Seal for a reciprocatory bar. 3,814,553, 6-4-74, Cl. 417-511.000.
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Huck, Rodney M.; and LeBlanc, John R., to Monsanto Company. High-temperature stable modified aromatic amine-aldehyde molding powders modified with aromatic polycarboxylic compounds. 3,792,020, 2-12-74, Cl. 260-65.000.
Huck, Rodney M., to Monsanto Company. Filled aldehyde condensates having improved heat resistance. 3,816,558, 6-11-74, Cl. 260-838.000.
Huck, Rodney M.; and Leblanc, John R., to Monsanto Company. High temperature stable modified aromatic aminealdehyde molding powders modified with aromatic polycarboxylic acid, and molded article. 3,855,173, 12-17-74, Cl. 260-39.00r.
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Huddle, Carl F., to Tension Structures Co. Structural membrane attachment to an arch. 3,811,454, 5-21-74, Cl. 135-1.00r.
Huddle, Carl F., to Tension Structures Co. Pavilion with series of arches and method of assembling and erecting it. 3,820,553, 6-28-74, Cl. 135-4.00r.
Huddle, Carl F., to Tension Structures Co. Damping means for portable structures. 3,856,029, 12-24-74, Cl. 135-1.000.
Huddle, Carl Frederick, to Tension Structures Co. Fire protection system for arch supported membrane structures. 3,837,405, 9-24-74, Cl. 169-56.000.
Huddleston, Robert F., to Mallory, P. R., & Co., Inc. Make and break electrical contact. 3,829,648, 8-13-74, Cl. 200-264.000.
Huddleston, Robert F., to Mallory, P. R., & Co., Inc. Electrical conducting means and method of making same. 3,831,270, 8-27-74, Cl. 29-625.000.
Hudgin, Donald E.; and Zawadzki, Thomas, to Princeton Polymer Laboratories, Inc. Degradable hydrocarbon polymers. 3,830,764, 8-20-74, Cl. 260-23.00h.
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Hudkin, Elizabeth J. Mathematical instruction game. 3,808,708, 5-7-74, Cl. 35-31.00d.
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Hudson, Arthur Franklin. Mounting for tool bits. 3,848,302, 11-19-74, Cl. 29-96.000.
Hudson, Ben Avery, to PPG Industries, Inc. Transfer mechanism for high speed winders. 3,814,339, 6-4-74, Cl. 242-18.0pw.
Hudson, Charles D., to Wyckoff Company. Process of treating wood. 3,785,770, 1-15-74, Cl. 21-7.000.
Hudson, Colin M., to United States of America, Army. Mini-caliber firearm for launching hypervelocity projectiles. 3,824,727, 7-23-74, Cl. 42-1.00j.
Hudson, Delbert L., to Baker Oil Tools, Inc. Subsurface safety valve. 3,796,257, 3-12-74, Cl. 166-.500.
Hudson, Doyle R., to Olinkraft, Inc. Multiple finger pushers. 3,796,300, 3-12-74, Cl. 198-221.000.
Hudson, Doyle R., to Olinkraft Inc. Drop-down fill spout for bag filling machine. 3,830,266, 8-20-74, Cl. 141-10.000.
Hudson, Frederick W.; and Cranch, John F., to Xerox Corporation. Pre-transfer station. 3,784,300, 1-8-74, Cl. 355-3.000.
Hudson, Frederick W., to Xerox Corporation. Electrophotographic cleaning apparatus. 3,807,853, 4-30-74, Cl. 355-15.000.
Hudson, Frederick W., to Xerox Corporation. Sheet transport system. 3,826,568, 7-30-74, Cl. 355-3.000.
Hudson, George A.; and Rich, Joseph M., to Baychem Corporation. Coated polycarbonates. 3,843,390, 10-22-74, Cl. 117-138.80f.
Hudson, Harold L.; Mt. Pleasant, Gregory G.; and Scherzer, Robert K., to Gaylord Bros., Inc. Displayer for paperback books. 3,844,230, 10-29-74, Cl. 108-60.000.
Hudson, James A., to Campbell Soup Company. Rotary extruder and loader. 3,782,878, 1-1-74, Cl. 425-314.000.
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Hudson, James L., Jr.: *See*—
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Hudson, Jimmie E.; and Snelson, Jimmy W., to Phillips Petroleum Company. Textured fingers for precise temperature adjustment of preheated Parison preforms. 3,790,319, 2-5-74, Cl. 425-387.00b.
Hudson, John Adrian: *See*—
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Hudson, Joseph A., Jr., to Continental Oil Company. 1,2,3,4,7,7-Hexachloro-2-norbornene and alpha, omega-dichloroalkane telomers from octachlorocyclopentene and ethylene. 3,804,908, 4-16-74, Cl. 260-648.00c.
Hudson, Lester S., to Dresser Industries, Inc. Method of making a bearing system having entrained wear-resistant particles. 3,823,030, 7-9-74, Cl. 117-131.000.
Hudson, Norman H. Anti-dive banking suspension apparatus for vehicles. 3,810,650, 5-14-74, Cl. 280-124.00f.
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Hudson, Phillip E.; and Braden, William B., to Texaco Inc. Treatment of an underground formation. 3,796,263, 3-12-74, Cl. 166-295.000.
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Shipes, Kelly V.; and Monroe, Robert C., 3,830,587.
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Hudson, Ralph D. Pintle hook locking device. 3,844,143, 10-29-74, Cl. 70-14.000.
Hudson, Robert Clive; and Richards, John. Support structure for dental models. 3,823,476, 7-16-74, Cl. 32-32.000.
Hudson, Robert M.; Perry, Paul E.; and Warning, Clair J., to United States Steel Corporation. Method of forming a diffused metal coded steel product. 3,827,903, 8-6-74, Cl. 117-1.000.
Hudson, Thomas A.; and Strickland, Gordon E., Jr., to Chevron Research Company. Arctic offshore platform. 3,831,385, 8-27-74, Cl. 61-46.500.
Hudson, Truman O. Spray gun for producing a fan-like pattern. 3,851,820, 12-3-74, Cl. 239-407.000.
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Hudson, William D. Bridge construction using precast curb and edge beam. 3,842,552, 10-22-74, Cl. 52-174.000.
Hudson, William L. Glow discharge solution treatment apparatus. 3,854,051, 12-10-74, Cl. 250-546.000.
Hudspeth, Patrick William: *See*—
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Hudspeth, Thomas, to Hughes Aircraft Company. Image rejection receiver. 3,805,163, 4-16-74, Cl. 325-437.000.
Hudspeth, Thomas; and Suyematsu, Herbert T., to Hughes Aircraft Corporation. Two-to-three port phase converter. 3,843,941, 10-22-74, Cl. 333-9.000.
Hudspeth, William, to Polaroid Corporation. Folding camera with low cost bellows. 3,842,430, 10-15-74, Cl. 354-187.000.
Hueber, Alfred, to Motoren- und Turbinen-Union Munchen GmbH. Integral turbine wheel with axial through-openings at the outer rim and with controlled rim cracks. 3,817,657, 6-18-74, Cl. 416-244.000.
Hueber, Edward K., to Itek Corporation. Expandable spectacle case. 3,819,033, 6-25-74, Cl. 206-5.000.
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Huebner, Charles Ferdinand, to Ciba-Geigy Corporation. Semibullvalenes 1-amino alkyl-dibenzosemi-bullvalenes as antidepressants. 3,798,329, 3-19-74, Cl. 424-330.000.
Huebner, Charles Ferdinand, to Ciba-Geigy Corporation. 1-Aminoalkyl-dibenzosemi-bullvalenes and the salts thereof. 3,818,020, 6-18-74, Cl. 260-295.50s.
Huebner, Charles Ferdinand, to Ciba-Geigy Corporation. 8-Benzofurylmethyl-1,3,8-triazaspiro (4,5)decanes as neuroleptics. 3,826,835, 7-30-74, Cl. 424-267.000.
Huebner, Charles Ferdinand, to Ciba-Geigy Corporation. 1-[1-(2,3-Dihydro-2-benzofuryl)-alkyl]-4-aminohexahydroisonicotinic acid amides or nitriles. 3,845,060, 10-29-74, Cl. 260-293.580.
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Huebner, Klaus: *See*—
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Huebscher, Richard G., to Gould Inc. Thermal actuator. 3,805,528, 4-23-74, Cl. 60-530.000.
Huebschmann, John W.; and Peperone, Joseph D., to Moore Business Forms, Inc. Hot melt, water remoistenable adhesive composition. 3,852,231, 12-3-74, Cl. 260-28.50r.
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Huelters, Hubert, to Siemens Aktiengesellschaft. Fault diagnosis in pulse controlled devices employing variable clock rate. 3,814,920, 6-4-74, Cl. 235-153.0ac.
Huemmer, Thomas F., to O'Brien Corporation, The. Control of atmospheric composition during radiation curing. 3,798,053, 3-19-74, Cl. 117-93.310.
Huener, Robert Charles; and Fillmore, Richard Plumb, to RCA Corporation. Circuit, such as CMOS crystal oscillator, with reduced power consumption. 3,855,549, 12-17-74, Cl. 331-108.00d.
Huertgen, Helmut B., to Sutton Engineering Company. Extrusion press with die changer. 3,844,151, 10-29-74, Cl. 72-263.000.
Huesgen, Eugene L.; and Geary, Carl H., to Carrier Corporation. Stator blade mounting structure for turbomachines. 3,817,655, 6-18-74, Cl. 415-217.000.
Huessy, Eric G., to Peavey Company. Food flavor pellets with meat texture. 3,851,072, 11-26-74, Cl. 426-199.000.
Huessy, Eric G., to Peavey Company. Food flavor pellets with wheat flour, soy flour and buttermilk base. 3,857,977, 12-31-74, Cl. 426-189.000.
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Huettner, Lothar A. Rotating heat Exchanger. 3,799,120, 3-26-74, Cl. 122-11.000.
Huettner, Robert E.; and Tymann, Edward B., to Honeywell Information Systems, Inc. Automatic deactivation device. 3,810,120, 5-7-74, Cl. 340-172.500.
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Huey, Stanton E., Jr. Floating hunting blind. 3,787,912, 1-29-74, Cl. 9-5.000.
Huf, Franz, to Dornier System GmbH. Packing strip arrangement for rotary piston engines. 3,797,974, 3-19-74, Cl. 418-129.000.
Hufeld, John L.; Larson, Donald J.; Marsden, Howard A.; Mueller, James P.; and Norick, William B., to Caterpillar Tractor Company. High pressure implement hydraulic circuit. 3,800,670, 4-2-74, Cl. 91-420.000.
Huff, John C.; Ludwig, Frank A.; and Smith, Arthur G., to Ford Motor Company. Method of forming a hydrophilic coating over an aluminum surface. 3,846,182, 11-5-74, Cl. 148-6.200.
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Huff, Ronald G., to United States of America, National Aeronautics and Space Administration. Jet exhaust noise suppressor. 3,820,630, 6-28-74, Cl. 181-33.0hb.
Huff, Steven B.; and Winans, Donald E. Illuminated aquatic fountain. 3,838,816, 10-1-74, Cl. 239-18.000.
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Huffaker, James E.; Clonce, Ambrose J.; and Besser, John E., to Eastman Kodak Company. Secondary aromatic alkyl diamines as foam catalysts and chain extenders. 3,846,351, 11-5-74, Cl. 260-2.5am.
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Huffman, Carl Franklin, to Coca-Cola Company, The. Treatment of fruit juices. 3,801,717, 4-2-74, Cl. 426-270.000.
Huffman, Clarence W., to Monsanto Company. Herbicidal Compositions and methods. 3,852,058, 12-3-74, Cl. 71-118.000.
Huffman, Clifton J., to American Metal Climax, Inc. Treatment of aluminum waste liquors. 3,798,160, 3-19-74, Cl. 210-53.000.
Huffman, Coy L., Jr. Article finishing machine. 3,845,588, 11-5-74, Cl. 51-139.000.

Huffman, Donald; and Majewski, Richard M., to Coleco Industries, Inc. Football game with magnetic control rods. 3,782,726, 1-1-74, Cl. 273-94.00r.
Huffman, Donald D.; and Carey, Andrew J., to Westinghouse Air Brake Company. Bi-directional coded track circuits without insulated joints. 3,794,832, 2-26-74, Cl. 246-33.00r.
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Hughes, Robert R., to Chemical Specialties Manufacturing Corporation. Integrated foam extracting and rotary scrubbing machine. 3,797,065, 3-19-74, Cl. 15-353.000.
Hughes, Ronald A.: *See*—
Bhutani, Harish K.; Oda, Albert Y.; and Hughes, Ronald A., 3,808,942.
Hughes, Ronald W.; Messick, Mikel Jay; and Volpe, John Rodgers, to Square D Company. Lockout means for thyristor firing circuit. 3,819,956, 6-25-74, Cl. 307-254.000.
Hughes, Thomas Bartley, to Ronson Corporation. Portable cordless hairdryer. 3,797,475, 3-19-74, Cl. 126-206.000.
Hughes, Thomas E.: *See*—
Kester, Charles E.; and Hughes, Thomas E., 3,782,359.
Hughes, Thomas L.; and Massey, Peter Graham, to Lucas, Joseph (Electrical) Limited. Spring contact for semi-conductor devices. 3,837,001, 9-17-74, Cl. 357-65.000.
Hughes, Thomas R., to Chevron Research Company. Hydrocarbon conversion. 3,784,622, 1-8-74, Cl. 260-676.00r.
Hughes, Thomas R., to Chevron Research Company. Saturated hydrocarbon averaging. 3,793,251, 2-19-74, Cl. 260-676.00r.
Hughes, Thomas R., to Chevron Research Company. Disproportionation of paraffins wherein H_2O is removed from the feed going to the disproportionation reaction. 3,808,285, 4-30-74, Cl. 260-676.00r.
Hughes, Thomas R.; Jacobson, Robert L.; and Robinson, Richard C., to Chevron Research Company. Production of high octane gasoline. 3,821,104, 6-28-74, Cl. 208-93.000.
Hughes Tool Company: *See*—
Baker, Billy Eugene; and Galle, Edward M., 3,842,907.
Dill, Herbert C.; and Scales, Stanley R., 3,842,921.
Galle, Edward M., 3,850,135.
Robinson, Franklin Davis, 3,833,188.
Hughes Tool Company, mesne: *See*—
White, Anderson D.; and Wisler, Allen E., 3,800,891.
Hughes, William B.; and Zulch, Ernest A., to Phillips Petroleum Company. Rhodium and iridium NO containing compleses. 3,804,870, 4-16-74, Cl. 260-429.00r.
Hughes, William C., to General Electric Company. Method and apparatus for return beam readout through a matrix electron lens. 3,821,582, 6-28-74, Cl. 313-394.000.
Hugill, Douglas B.: *See*—
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Hugin Kassaregister AB: *See*—
Englund, John Sven, 3,858,035.
Hugo, Alfred Otto, to Bunker Ramo Corporation. Connector assembly. 3,838,380, 9-24-74, Cl. 339-14.00r.
Hugo, Michel: *See*—
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Hugo Sachs Electronik KG: *See*—
Korber, Karl-Heinz; Steiert, Hermann; and Dehnert, Heinz, 3,782,188.
Hugon, Pierre: *See*—
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Hugonin, Gerald H., to Schlumberger Technology Corporation. Apparatus for centralizing horizontally-moving pipe sections. 3,791,564, 2-12-74, Cl. 226-19.000.
Hugonnier, Charles Andre. Hectographic duplicating machine. 3,793,948, 2-26-74, Cl. 101-132.500.
Huguenin, Jules. Storage receptacle. 3,799,430, 3-26-74, Cl. 232-43.200.
Huguet, Gerard J.: *See*—
Fauran, Claude P.; Douzon, Colette; Huguet, Gerard J.; Raynaud, Guy M.; and Bailly, Yves A., 3,798,218.
Huguet, Juan L.: *See*—
Hobbs, Charles C., Jr.; Trebellas, John C.; and Huguet, Juan L., 3,840,469.
Huh, Nam. Bottle caps. 3,785,519, 1-15-74, Cl. 215-46.00a.
Huhn, Horst, to Studiengesellschaft Kohle mbH. Apparatus for carrying out chemical reactions, with formation of photoreaction precipitations. 3,786,250, 1-15-74, Cl. 250-429.000.
Huhn, Magda; Toth, Geza; Resofszki, Gabor; Somfai, Eva; and Horvath, Gabor, to Chinoin Gyogyszer- es Vegyeszeti Termekek Gyara RT. Method for the preparation of carboxyl group containing 6-amino-penicillanic acid derivatives. 3,833,561, 9-3-74, Cl. 260-239100.
Huhn, Magda; Toth, Geza; Resofszki, Gabor; Somfai, Eva; and Horvath, Gabor, to Chinoin Gyogyszer- es Vegyeszeti Termekek Gyara RT. Penicillin derivatives containing a halogenocarbonyl group. 3,846,407, 11-5-74, Cl. 260-239.001.
Huhnen, Joachim. Machine for producing coil springs. 3,802,241, 4-9-74, Cl. 72-142.000.
Huhnen, Joachim. Coil spring winding machine. 3,807,211, 4-30-74, Cl. 72-142.000.
Huhse, Peter: *See*—
Rolff, Klaus-Peter; and Huhse, Peter, 3,801,764.
Huhta-Koivisto, Esko Ensio; and Saari, Risto Vaino Juhani. Method and apparatus for distilling freshwater from seawater. 3,783,108, 1-1-74, Cl. 203-11.000.
Huhta-Koivisto, Esko Ensio, to Puolustusministerio. Device in a galvanic battery for removing air from the electrolyte and water supply ducts and from the electrolyte tank when the battery is started. 3,855,005, 12-17-74, Cl. 136-100.00r.
Hui, In-Wai, to Winner Food Products Limited. Continuous preparation of pastry. 3,829,593, 8-13-74, Cl. 426-496.000.
Huiden, Barend: *See*—
Tebbe, Rolf; and Huiden, Barend, 3,809,345.
Huizing, Albert; and Schroder, Johann, to U.S. Philips Corporation. Method of manufacturing metal fluorides and metal fluoride mixtures which do not comprise oxygen. 3,816,600, 6-11-74, Cl. 423-489.000.
Huizinga, Ebe. Transparent sheet. 3,782,331, 1-1-74, Cl. 119-5.000.
Hujer, Friedrich: *See*—
Fergg, Berthold; Zahn, Wolfgang; and Hujer, Friedrich, 3,841,936.
Zahn, Wolfgang; Weinert, Volker; Thiene, Hans; and Hujer, Friedrich, 3,829,214.
Hujer, Friedrich; and Knapp, Walter, to Agfa-Gevaert Aktiengesellschaft. Apparatus for detecting and evaluating indicia on processed photographic film or the like. 3,787,702, 1-22-74, Cl. 250-219.00d.
Hujer, Friedrich, to Agfa-Gevaert Aktiengesellschaft. Film cutting apparatus. 3,793,915, 2-26-74, Cl. 83-62.000.
Hujii; Tooru: *See*—
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Hujik, Ladislav: *See*—
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Hukase, Masahiro; Tomono, Makoto; and Inowa, Sigeru, to Konishiroku Photo Industry Co., Ltd. Electrophotographic photosensitive plate. 3,850,632, 11-26-74, Cl. 96-1.800.
Hukase, Masahiro; Tomono, Makoto; and Inowa, Sigeru, to Konishiroku Photo Industry Co. Ltd. X-ray color electrophotography. 3,854,043, 12-10-74, Cl. 250-315.000.
Hukee, Vernon V.; and Travis, William J., to Sprague Electric Company. Method of making a linear film potentiometer having a circular configuration. 3,821,845, 7-2-74, Cl. 29-593.000.
Hukuba, Hiroshi. Carpet fluffing device. 3,852,844, 12-10-74, Cl. 15-142.000.
Hukushima, Juichi: *See*—
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Hulbert, Clarence E., Jr. Multipurpose light assembly. 3,833,955, 9-10-74, Cl. 9-83.00e.
Hulcher, Glenn L., to Hulcher, M. L., Company. Winch line hitch member for derailed cars and method of using same. 3,847,288, 11-12-74, Cl. 213-111.000.
Hulcher, M. L., Company: *See*—
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Hulderman, Garry N.; Lader, Leon J.; and Winderman, Jay B., to General Dynamics Corporation. Millimeter wave mixer. 3,854,083, 12-10-74, Cl. 321-69.00w.
Hulet, Arthur D.: *See*—
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Hulet, Frank A.: *See*—
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Hulettis Sugar Corporation Limited: *See*—
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Hulin, James Alan, to Beasley French & Company Limited. Transmissions. 3,805,628, 4-23-74, Cl. 74-69.000.
Huling, Paul T.; and Janes, John J., Jr., to Caterpillar Tractor Company. Curved surface finish analyzer. 3,795,132, 3-5-74, Cl. 73-105.000.
Hulit, Gerald W.; and Subelka, John C., to Howmet Corporation. Method of making superalloys. 3,850,624, 11-26-74, Cl. 75-171.000.
Hulit, Harry J.; and Czaplinski, Thomas V., to Squibb, E. R., & Sons, Inc. Radioactive generator with permeable closure. 3,801,818, 4-2-74, Cl. 250-496.000.
Hull, Bradford N.: *See*—
DeForest, Wesley V.; Hull, Bradford N.; and Mc Intosh, Harold A., 3,796,918.
Hull, Charles Hartley, to Brown, David, Tractors Limited. Auxiliary driven axles. 3,854,543, 12-17-74, Cl. 180-14.00a.
Hull, Charles W.; and McKinney, Charles R., to Bell & Howell Company. Magnetic mass spectrometer with shaped, uniformly saturating magnetic poles. 3,787,790, 1-22-74, Cl. 335-210.000.
Hull, Charles W.; and Whitley, Robert K., to Du Pont de Nemours, E. I., and Company. Method for adjusting the ion beam height in a mass spectrometer. 3,800,151, 3-26-74, Cl. 250-283.000.
Hull Corporation: *See*—
Jennings, Thomas A., 3,785,046.
Hull, Donald R.; and Simonton, Robert D., to Dynalite Corporation. Battery strap and post cast-on apparatus. 3,802,488, 4-9-74, Cl. 164-270.000.
Hull, Donald Robert, to Du Pont de Nemours, E. I., and Company. Synthetic filament having antistatic properties. 3,803,453, 4-9-74, Cl. 317-2.00r.
Hull, Edward M.: *See*—
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Hull, Francis R. Extensible incinerator gas scrubber system with standard ductwork. 3,800,511, 4-2-74, Cl. 55-228.000.
Hull, Gerry G.; and Morris, Eugene B., Jr., to ATL Machines Corporation. Heat shrinkable coin package. 3,851,755, 12-3-74, Cl. 206-.820.
Hull, John L., Jr., to Gray Tool Company. Well head set screw port exit of control line for down-hole safety valve. 3,814,179, 6-4-74, Cl. 166-89.000.
Hull, Joseph F., to United States of America, Army. Frequency diversity radar. 3,858,219, 12-31-74, Cl. 343-17.20r.
Hull, Neil A.; and Peel, Richard E., to Ford Motor Company. Coupling device for seat belts. 3,845,524, 11-5-74, Cl. 24-222.00r.
Hull, Peter Richard, to General Electric Company. Bullet nose fastening arrangement. 3,799,693, 3-26-74, Cl. 415-121.000.
Hull, R. Dell. Closed face spinning reel. 3,794,264, 2-26-74, Cl. 242-84.20r.
Hull, R. Dell. Closed face spinning reel. 3,836,092, 9-17-74, Cl. 242-84.20a.
Hull, R. O., & Company, Inc.: *See*—
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Hull, Thomas N., Jr., to General Electric Company. Low heat rise gearbox. 3,788,426, 1-29-74, Cl. 184-1.00e.
Hull, Thomas Neil, Jr.; and Nye, James Leroy, to General Electric Company. Particle separator with scroll scavenging means. 3,832,086, 8-27-74, Cl. 415-121.00g.
Huller, Karl, Gesellschaft mit beschrankter Haftung: *See*—
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Hulley, Hubert E.: *See*—
Anderson, Richard W.; Weiss, Bernard J.; and Hulley, Hubert E., 3,790,938.
Hulls, Leonard Robin, to RCA Corporation. Magnetic reed sensor suitable for use in ignition timing systems. 3,813,596, 5-28-74, Cl. 324-16.00r.
Hulls, Leonard Robin, to RCA Corporation. Magnetic reed sensor suitable for use in ignition timing systems. 3,852,664, 12-3-74, Cl. 324-41.000.
Hulme, Cheadle: *See*—
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Hulme, Jack R.: *See*—
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Hulme, Jack R., to Halliburton Company. Method and apparatus for compensating a manifestation of fluid flow for temperature and specific gravity. 3,831,011, 8-20-74, Cl. 235-151.340.
Hulmes, Harold, to Ferranti Limited. Semiconductor devices. 3,781,977, 1-1-74, Cl. 29-584.000.
Hulmes, Harold; and Pickin, John Rabert, to Ferranti, Limited. Electrical circuit assemblies. 3,810,300, 5-14-74, Cl. 29-574.000.
Huls, Ralph M.: *See—*
Cox, George B., Jr.; and Huls, Ralph M., 3,814,575.
Hulsbosch, Cornelis Jozef; and Nederlof, Dirk, to U.S. Philips Corporation. Remote control system. 3,798,601, 3-19-74, Cl. 340-148.000.
Hulse, Lauren L.: *See—*
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Hulse, Murlin L., to Orbital Container Corporation. Score-line structure. 3,820,681, 6-28-74, Cl. 220-54.000.
Hulsen, Wayne D. Hair implant and process. 3,831,202, 8-27-74, Cl. 3-1.000.
Hulshizer, Stephen J. Switch with receptacle and switch shunt means. 3,828,224, 8-6-74, Cl. 317-112.000.
Hulslander, William L., to Dresser Industries, Inc. Plug valve construction. 3,806,087, 4-23-74, Cl. 251-309.000
Hulsmann, Hans Leo; and Renckhoff, Gustav, to Dynamit Nobel Aktiengesellschaft. Process for the preparation of pure sodium benzoate. 3,821,292, 6-28-74, Cl. 260-515.00r
Hulsmann, Hans Leo; and Renckhoff, Gustav, to Dynamit Nobel Aktiengesellschaft. Process for the production of pure aryl esters of dicarboxylic acids. 3,833,643, 9-3-74, Cl. 260-475.0pn.
Hulst, Aloysius Petrus Albertus Johannes: *See—*
Frankort, Martinus Petrus Carolus Gerardus Maria; De Gier, Nico; Hulst, Aloysius Petrus Albertus Johannes; and De Jong, Martijn, 3,822,465.
Hultberg, Richard M. Dynamic tire balancing method and apparatus. 3,847,025, 11-12-74, Cl. 73-460.000.
Hultdin, Gustaf Matteus; and Hultdin, Ove Anders, to Hultdins Verkstads AB. Apparatus for felling trees. 3,822,730, 7-9-74, Cl. 144-34.00r.
Hultdin, Gustaf Matteus; and Hultdin, Ove Anders, to Hultdins Verkstads AB. Method and apparatus for felling trees. 3,851,686, 12-3-74, Cl. 144-309.0ac.
Hultdin, Ove Anders: *See—*
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Hultdin, Gustaf Matteus; and Hultdin, Ove Anders, 3,851,686.
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Hultdin, Gustaf Matteus; and Hultdin, Ove Anders, 3,851,686.
Hulten, Richard E., to McCord Corporation. Bumper assembly. 3,848,916, 11-19-74, Cl. 293-88.000.
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Hulterstrum, Harold D.; and Morey, Frederick E., III, to Gulf & Western Industries, Inc. Reset timer. 3,823,547, 7-16-74, Cl. 58-39.500.
Hulterstrum, Harold D., to Gulf & Western Industries, Inc. Relay clutch timer. 3,857,467, 12-31-74, Cl. 192-33.00r.
Hultgren, Frank A.; and Kot, Richard A., to Republic Steel Corporation. Steel product having improved mechanical properties. 3,857,741, 12-31-74, Cl. 148-36.000.
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Hultin, Stefan K., to Nicrometal Marine Hardware Co., Inc. Snap shackle. 3,850,468, 11-26-74, Cl. 294-83.00r.
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Hultman, Bengt Goran, to Mo Och Domsjo Aktiebolag. Process for controlling chlorate and hydrogen ion content in the manufacture of chlorine dioxide from alkali metal chlorate and an inorganic acid. 3,852,033, 12-3-74, Cl. 23-230.00a.
Hultquist, Gordon; and Tyler, Patrick J., to Coach and Car Equipment Corporation. Self-locking cushion assembly. 3,801,154, 4-2-74, Cl. 297-218.000.
Hults, Arthur E. Seat belt system. 3,784,972, 1-8-74, Cl. 340-52.00e.
Hults, Gerard V. Spool holder-line server. 3,820,737, 6-28-74, Cl. 242-129.500.
Hultsch, Gunther. Coffee making machine with grinding device and centrifuge drum. 3,812,773, 5-28-74, Cl. 99-290.000.
Hulver, Virginia Wilson: *See—*
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Humbarger, Ross C.: *See—*
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Demerson, Christopher A.; Humber, Leslie G.; Asselin, Andre A.; Jirkovsky, Ivo; and Dobson, Thomas A., 3,852,285.
Humber, Leslie G., to American Home Products Corporation. 5-Cycloalkylidene dibenzocycloheptene derivatives. 3,832,405, 8-27-74, Cl. 260-612.00r.
Humber, Leslie G., to American Home Products Corporation. 2-(Cycloalkylidene-10,11-dihydro-5H-dibenzo [a,d] cycloheptene-2-yloxy) alkylene amines. 3,843,727, 10-22-74, Cl. 260-570.700.
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Humbert, Marvin H., to Cedar Rapids Engineering Company. Valve holding and aligning device. 3,799,561, 3-26-74, Cl. 279-51.000.
Humbert, Wilbur E.; and Humbert, Fred W. Troll fishing apparatus. 3,835,567, 9-17-74, Cl. 43-6.500.
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Hume, Alister C., to MacMillan Bloedel Research Limited. Screw conveyor for particulate material. 3,845,856, 11-5-74, Cl. 198-213.000.
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Humiston, Gerald Francis; and Cotton, Barton Lester, to Pollution Control, Inc. Liquid purification apparatus and process. 3,837,491, 9-24-74, Cl. 210-73.000.
Humiston, Homer A.: *See—*
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Humkey, Robert Garnett; Marshall, Donald Raymond; and Ryan, Donald James, to Du Pont de Nemours, E. I., and Company. Process and apparatus for solids blending. 3,807,705, 4-30-74, Cl. 259-95.000.
Huml, George E.; and Willison, Donald, to Midland-Ross Corporation. Railway draft gear. 3,799,360, 3-26-74, Cl. 213-22.000.
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Humlong, Robert Frank, to Wald Manufacturing Company, Incorporated. Cycle pedal with reflector and method of manufacturing same. 3,797,912, 3-19-74, Cl. 350-99.000.
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Hummel, Hagen, to Mahle GmbH. Method of manufacturing pistons. 3,807,014, 4-30-74, Cl. 29-156.50r.
Hummel, Lothar; and Kerl, Fritz, to Isco Optische Werke GmbH. Optical objective including a self-centering slide bearing. 3,819,254, 6-25-74, Cl. 350-255.000.
Hummel, Merritt J., to PPG Industries, Inc. Method of making crystallized glass. 3,856,497, 12-24-74, Cl. 65-33.000.
Hummell, John D., to PPG Industries, Inc. Method for disposal of liquid waste. 3,834,055, 9-10-74, Cl. 431-11.000.
Hummell, John D., to PPG Industries, Inc. Method for disposal of liquid waste. 3,834,855, 9-10-74, Cl. 431-11.000
Hummelshoj, Gustav Erik, to Schmidt, Thomas A/S. Casting mold with steam-heated water jacket. 3,822,855, 7-9-74, Cl. 249-79.000.
Hummer, Herbert B., to Durametallic Corporation. Double shaft seal with ball drive key. 3,836,157, 9-17-74, Cl. 277-62.000.
Humpert, Jurgen; and Bielecke, Friedrich Wilhelm, to ITT Industries, Inc. Discharge quantity control device. 3,804,295, 4-16-74, Cl. 222-20.000.
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Humphrey, Dallas R. Package including disposable utensil. 3,828,999, 8-13-74, Cl. 229-1.50c.

Humphrey, David H. Levelling instrument. 3,793,735, 2-26-74, Cl. 33-348.000.
Humphrey, Dean Edson, to Pennwalt Corporation. Pusher-type centrifuge. 3,831,764, 8-27-74, Cl. 210-376.000.
Humphrey, Earl L.; and Morse, William B., to Gulf Research & Development Company. Vapor space inhibited turbine oil. 3,785,975, 1-15-74, Cl. 252-32.500.
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Humphrey, Leonard C., to United States of America, Army. Non-reactive electromagnetic sensor. 3,845,387, 10-29-74, Cl. 324-95.000.
Humphrey, Marion L., to Allstate Insurance Company. Method and apparatus for remote testing of a transmission line. 3,822,367, 7-2-74, Cl. 179-175.30r.
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Humphrey, Samuel A.; and Kissinger, Charles W., to United States of America, Navy. Short range guided missile. 3,827,655, 8-6-74, Cl. 244-3.150.
Humphrey, Victor William Stanley: *See—*
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Humphrey, Victor William Stanley, to GKN Sankey Limited and ARO Plastics Development Limited. Apparatus for moulding plastic articles. 3,854,691, 12-17-74, Cl. 249-91.000.
Humphrey, W. Donald: *See—*
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Humphrey, William E., to Humphrey Research Associates. Optometric apparatus and process having independent astigmatic and spherical inputs. 3,822,932, 7-9-74, Cl. 351-17.000.
Humphreys, Charles B., to International Business Machines Corporation. Semiconductor structure having metallization inlaid in insulating layers and method for making same. 3,838,442, 9-24-74, Cl. 347-54.000.
Humphreys Corporation: *See—*
Scammon, Lawrence W., Jr.; Grant, Clarence L.; and Wilks, Phillip H., 3,811,907.
Thorpe, Merle L., 3,788,703.
Humphreys, Donald R.: *See—*
Norris, John F.; and Humphreys, Donald R., 3,789,551.
Humphreys, Robert Lee; and Spitzer, James Edward, to American Can Company. Apparatus for trimming and finishing plastic jars. 3,814,534, 6-4-74, Cl. 408-26.000.
Humphreys, Robert P., to Micro Devices Corporation. Fusing and switching means and circuit means controlled thereby. 3,800,259, 3-26-74, Cl. 337-10.000.
Humphries, Darral V.; and Kostecky, James F., to Bethlehem Steel Corporation. Pipe insulation system. 3,804,438, 4-16-74, Cl. 285-47.000.
Humphries, Darral V., to Bethlehem Steel Corporation. Process for laminating phosphate coated steel with ABS resin. 3,826,709, 7-30-74, Cl. 161-217.000.
Humphries, Darral V., to Bethlehem Steel Corporation. Plastic composite with wire reinforcements. 3,832,271, 8-27-74, Cl. 161-170.000.
Humpidge, Richard Thomas: *See—*
Paul, Keith Thomas; Gale, George Martin; and Humpidge, Richard Thomas, 3,800,597.
Humpoletz, Justus Ernest: *See—*
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Hunck, Billie Gene: *See—*
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Hundeck, Joachim: *See—*
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Hundere, Ingleiv: *See—*
Gaudernack, Bjorn; Hagnestad, Gunnar; and Hundere, Ingleiv, 3,821,352.
Hundhausen, Eckhard; Cobarg, Claus Christian; and Boehm, Hans-Georg. Electrostatic filter. 3,841,840, 10-15-74, Cl. 23-284.000.
Hundley, Warren: *See—*
Coulter, J. Roland; Hundley, Warren; and Koblick, Sol N., 3,818,476.
Hundley, Warren, to Tull Aviation Corporation. Apparatus for receiving separate standard frequencies with separate sub-bands. 3,824,594, 7-16-74, Cl. 343-108.00r.
Hundmeyer, Anton: *See—*
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Hundred, Inc.: *See—*
McQuillen, Albert L., Jr., 3,837,393.
Hundstad, Richard L., to Westinghouse Electric Corporation. Vacuum interrupter contacts having energy dissipation surfaces. 3,814,880, 6-4-74, Cl. 200-144.00b.
Hundstad, Richard L., to Westinghouse Electric Corporation. Vacuum type circuit interrupter having improved contacts. 3,836,740, 9-17-74, Cl. 200-144.00b.
Hundstad, Richard L.; and Farish, Owen, to Westinghouse Electric Corporation. Pulse glow generation for laser systems. 3,842,365, 10-15-74, Cl. 331-94.500.
Hundstad, Richard L., to Westinghouse Electric Corporation. Contact structures for vacuum-type circuit interrupters having cantilevered-supported annularly-shaped outer arc-running contact surfaces. 3,845,262, 10-29-74, Cl. 200-144.00b.
Hundt, Eberhard, to Daimler-Benz Aktiengesellschaft. Semitrailer-like motor vehicle with air cushion trailer for transportation of loads. 3,835,951, 9-17-74, Cl. 180-119.000.
Hunfos Fabrikker: *See—*
Holman, Harry Francis, 3,824,091.
Hung, Chih Piao: *See—*
Ko, Wen H.; Knodel, James R.; and Hung, Chih Piao, 3,828,237.
Hung, Lam Thanh: *See—*
Fromageot, Pierre; Hung, Lam Thanh; and Morgat, Jean-Louis, 3,828,102.
Hung, Ya-Mei; and Liu, Yen-Ping Hsiao. Useful writing instrument. 3,790,291, 2-5-74, Cl. 401-57.000.
Hungerford, Daniel Comstock, to Brunswick Corporation. Anchor fluke. 3,782,318, 1-1-74, Cl. 114-207.000.
Hungerford, Daniel Comstock, to Brunswick Corporation. Anchor crown construction. 3,822,665, 7-9-74, Cl. 114-208.00r.
Hungerford, Ernest Timmons, to Georgia Tech Research Institute. Automatic traffic control system. 3,828,307, 8-6-74, Cl. 340-35.000.
Hungerford, Gordon P., to Mobil Oil Corporation. Method of making a coated tape, and particularly smooth surface magnetic recording tape. 3,783,023, 1-1-74, Cl. 117-237.000.
Hungerford, Laurence D.; and Marshall, Clarence G., to Collins Radio Company. Looped direct switching system. 3,810,100, 5-7-74, Cl. 340-172.500.
Hungtin, R.: *See—*
Dobry, Alan M.; and Hungtin, R., 3,808,132.
Hunhausen, Hugo; and Ax, Venzens Anton. Device for distributing substances in bathing water of a bathing tub. 3,842,446, 10-22-74, Cl. 4-180.000.
Hunicke, Wolfgang: *See—*
Schranz, Karl-Wilhelm; Hunicke, Wolfgang; Brus, Gerhard H.; Schon, Erwin; Busch, Josef; and Bruck, Herbert, 3,813,246.
Schranz, Karl-Wilhelm; Schon, Erwin; and Hunicke, Wolfgang, 3,843,367.
Hunicke, Wolfgang; and Schranz, Karl-Wilhelm, to Agfa-Gevaert Aktiengesellschaft. Process for regenerating spent photographic silver bleaching solutions. 3,839,043, 10-1-74, Cl. 96-50.00a.
Hunke, Friedrich: *See—*
Perschbacher, Otto; Hunke, Friedrich; and Glaab, Berthold, 3,837,586.
Hunke, Siefried H. Rotary accumulation device. 3,854,675, 12-17-74, Cl. 242-154.000.
Hunkeler, Ernst J.; and White, Philip F., to Gleason Works, The. Apparatus for loading, unloading and holding a workpiece relative to a machine. 3,821,867, 7-2-74, Cl. 51-215.00r.
Hunkeler, Ernst J., to Gleason Works, The. Cutter blade changing apparatus. 3,842,477, 10-22-74, Cl. 29-200.00d.
Hunn, Bruce D.: *See—*
Moffat, Robert J.; Hunn, Bruce D.; and Galate, Joseph, 3,799,812.
Hunn-American Corporation: *See—*
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Hunnell, John W., to Riviana Foods Inc. Parboiled rice product. 3,803,334, 4-9-74, Cl. 426-208.000.
Hunnes, Odd Peder: *See—*
Falcone, Francesco; and Hunnes, Odd Peder, 3,841,429.
Hunnicutt, Clyde J., Jr. Ventilating attachment for water closet. 3,824,637, 7-23-74, Cl. 4-213.000.
Hunnicutt, Clyde J., Jr. Ventilating attachment for water closet. 3,857,119, 12-31-74, Cl. 4-213.000.
Hunnicutt, Vaughn E.: *See—*
Sowers, Blaine E.; and Hunnicutt, Vaughn E., 3,845,869.
Hunnicutt, Wayne E., to Applied Power Industries, Inc. Vehicle frame checking apparatus. 3,805,396, 4-23-74, Cl. 33-180.0at.
Hunsberger, Arnold, to U.S. Elevator Manufacturing Corporation. Adjustable worn drive unit. 3,811,335, 5-21-74, Cl. 74-409.000.
Hunsicker, Glenn L.: *See—*
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Hunsicker, Harold Y.: *See—*
Staley, James T.; Hunsicker, Harold Y.; and Brown, Robert H., 3,836,405.

Hunsicker, Harold Y.; and Staley, James T., to Aluminum Company of America. Tear resistant sheet and plate and method for producing. 3,791,880, 2-12-74, Cl. 148-11.50a.

Hunsucker, Jerry H.; and Mudd, Daniel G. Method of improving the leveling of an emulsion wax system. 3,795,645, 3-5-74, Cl. 260-28.000.

Hunsucker, Jerry H., to Commercial Solvents Corporation. Baking enamel vehicle comprising reaction product of urea, formaldehyde and an oxazoline. 3,843,607, 10-22-74, Cl. 260-70.00r.

Hunsucker, Jerry Hoyt, to Commercial Solvents Corporation. Production of vinyl oxaloline esters. 3,839,350, 10-1-74, Cl. 260-307.00f.

Hunt & Moscrop Limited: *See—*
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Hunt, Albert L., Jr.: *See—*
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Hunt, Alexander C.: *See—*
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Hunt, Archie F.: *See—*
Moss, Jack J.; and Hunt, Archie F., 3,796,434.

Hunt, Brian John: *See—*
Stokes, Roger Francis; and Hunt, Brian John, 3,833,348.

Hunt Brothers (Oldbury) Limited: *See—*
Kidson, Leonard, 3,835,768.

Hunt, Charles d'A., to Airco, Inc. Vapor deposition process. 3,798,055, 3-19-74, Cl. 117-107.000.

Hunt, Charles J., to Vulcan Corporation. Snap-on closure opening device. 3,794,207, 2-26-74, Cl. 220-36.000.

Hunt, David John: *See—*
Searle, John Gilbert; and Hunt, David John, 3,840,168.

Hunt, David O., to Lee Corporation. Radioactivity monitoring apparatus for fluids in flow. 3,790,804, 2-5-74, Cl. 250-506.000.

Hunt, Duane A., to Matthews, Donnell R., Jr. Fuel mixture control. 3,789,813, 2-5-74, Cl. 123-119.00f.

Hunt, Duane A., to Matthews, Donnell R., Jr. Internal combustion engine controls for reduced exhaust contaminants. 3,813,877, 6-4-74, Cl. 60-284.000.

Hunt Electronics Company: *See—*
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Johnson, James C., 3,846,671.

Hunt, Gardner S.: *See—*
Baumann, Robert F.; Bozza, Eugene F.; and Hunt, Gardner S., 3,784,419.

Hunt, George D., to Ohio Thermometer Co. Thermometer. 3,842,675, 10-22-74, Cl. 73-363.900.

Hunt, Gordon W.: *See—*
Woodilla, John E., Jr.; Hunt, Gordon W.; and Green, Willard B., Jr., 3,826,694.

Hunt, Guilbert M., to Tokheim Corporation. Multiple speed drive transmission. 3,798,989, 3-26-74, Cl. 74-244.000.

Hunt, Harold G. Destratification system and air diffuser unit for user therein. 3,782,701, 1-1-74, Cl. 261-65.000.

Hunt, Harry. Sleeping bag construction. 3,787,906, 1-29-74, Cl. 5-343.000.

Hunt, Harry, to Alpine Designs. Sleeping bag construction. 3,857,125, 12-31-74, Cl. 5-343.000.

Hunt, Harry E. Quilted construction. 3,805,720, 4-23-74, Cl. 112-420.000.

Hunt, Heman Dowd, to Du Pont de Nemours, E. I., and Company. Direct positive silver halide emulsions through synergistic effects of fogging agents and organic reducing agents and/or their oxidized forms. 3,816,135, 6-11-74, Cl. 96-64.000.

Hunt, Howard D., to Crown Crafts, Inc. Flocking method utilizing in line mixing of adhesive. 3,825,435, 7-23-74, Cl. 117-33.000.

Hunt, James G., to Polymet Corporation. Filled extrusion billets and methods of fabricating. 3,788,820, 1-29-74, Cl. 29-187.000.

Hunt, Jasper, to Lee, Raymond, Organization, Inc., The. Sled like unit for winter recreation. 3,830,513, 8-20-74, Cl. 280-12.00k.

Hunt, Jerry Donald, to Firestone Tire & Rubber Company, The. N'-alkyl and N'-aryl-N-fluorenyl-p-phenylenediamines. 3,839,451, 10-1-74, Cl. 260-576.000.

Hunt, John. Pollution free fuel inlet system for internal combustion engines. 3,810,454, 5-14-74, Cl. 123-142.000.

Hunt, John M.: *See—*
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Hunt, John Oliver Alford: *See—*
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Hunt, Larry R.: *See—*
Foster, John R.; and Hunt, Larry R., 3,796,452.

Hunt, Mack W., to Continental Oil Company. Process for producing anionic metal-containing sulfonates. 3,785,976, 1-15-74, Cl. 252-33.000.

Hunt, Mack W., to Continental Oil Company. Method for preparing highly basic grease and rust inhibiting compositions. 3,816,310, 6-11-74, Cl. 252-32.7hc.

Hunt, Maureen A.: *See—*
Bartholomew, Hans B.; and Hunt, Maureen A., 3,795,020.

Hunt, Maureen A.; and Criel, Martin J. Cover support assembly. 3,798,685, 3-26-74, Cl. 5-319.000.

Hunt, Norman, to Associated Engineering Limited. Fluid control valves. 3,828,818, 8-13-74, Cl. 137-625.650.

Hunt, Paul R.: *See—*
DuBois, Chester; and Hunt, Paul R., 3,823,733.

Hunt, Raymon E.: *See—*
Kirkland, Kenneth C., Jr.; and Hunt, Raymon E., 3,856,991.

Hunt, Richard E., to Motorola, Inc. Controlled loss capacitor. 3,792,384, 2-12-74, Cl. 333-84.00m.

Hunt, Robert E.; Delahanty, John; and Lane, Bruce M., to Little, Arthur D., Inc. Electrical contact apparatus. 3,843,894, 10-22-74, Cl. 307-145.000.

Hunt, Robert F.: *See—*
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Hunt, Robert F., to International Paper Company, mesne. Cutter with stripper. 3,803,963, 4-16-74, Cl. 83-116.000.

Hunt, Robert L.: *See—*
Larkin, Daniel J.; and Hunt, Robert L., 3,838,653.

Hunt, Robert P.; and Winkler, Richard H. Infrared imaging system. 3,798,366, 3-19-74, Cl. 178-6.800.

Hunt, Robert P.; and Hura, Michael, to Picker Corporation. X-ray film feed method and apparatus. 3,804,400, 4-16-74, Cl. 271-10.000.

Hunt, Robert William Gainer; and Dain, Stephen John, to Tintometer Limited, The. Method and means for testing the colour discrimination in vision. 3,801,188, 4-2-74, Cl. 351-30.000.

Hunt, Ronald E.; and Robbins, Larry H., to International Business Machines Corporation. Recording media orientation. 3,797,035, 3-12-74, Cl. 360-125.000.

Hunt, Ronald Eugene: *See—*
Coenen, John Stephen; and Hunt, Ronald Eugene, 3,822,372.

Hunt, Ronald Eugene; and Jenkins, William Melchior, to International Business Machines Corporation. Information media handling system. 3,854,784, 12-17-74, Cl. 312-319.000.

Hunt, Theodore R., to Data Time, Inc. Submersible touch-operated signaler with water drainage passages. 3,784,768, 1-8-74, Cl. 200-52.00r.

Hunt, Walter G.; and Belz, Ray J., to Anheuser-Busch, Incorporated. Oxidized cationic starch. 3,835,114, 9-10-74, Cl. 260-233.30r.

Hunt, Wilbur W.: *See—*
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Hunt, William Allen, to Emco (Great Britain) Limited. Loading machine impact tool supported by adjustable boom and carriage. 3,809,169, 5-7-74, Cl. 173-28.000.

Hunt, William C. Multipurpose cooking assembly. 3,791,368, 2-12-74, Cl. 126-25.00a.

Hunt, William R.: *See—*
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Hunt-Wesson Foods, Inc.: *See—*
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Reid, Edward J.; and Morgan, Perry W., Jr., 3,857,985.

Hunten, Werner; Untheim, Erich; and Popp, Dieter, to Demag Kunststofftechnik GmbH. Plastic material injection moulding machine. 3,837,777, 9-24-74, Cl. 425-247.000.

Hunter, Alastair Wilson; and Rosen, Neil Howard, to Ethicon, Inc. Covered suture. 3,791,388, 2-12-74, Cl. 128-335.500.

Hunter, Alexander, to Decision Data Corporation. Ink roll cartridge. 3,785,288, 1-15-74, Cl. 101-348.000.

Hunter Automated Machinery Corporation: *See—*
Hunter, William Allan, 3,827,549.

Hunter, Byron A., to Uniroyal, Inc. Foamable composition comprising a gas-expandable polymeric material and oxalyl carbazate or oligomers thereof, and method of foaming same. 3,819,545, 6-25-74, Cl. 260-2.50r.

Hunter, C. Shelburn, to Eastman Kodak Company. Heat resistant dyes for polyester film products. 3,822,132, 7-2-74, Cl. 96-84.00r.

Hunter, C. Shelburn. Heat resistant dyes for polyester film products. 3,853,807, 12-10-74, Cl. 260-40.00r.

Hunter, Carl P.; and Kay, Charles W., to Deering Milliken Research Corporation. Loom doff truck. 3,797,679, 3-19-74, Cl. 214-75.00h.

Hunter, Carl P.; and Kay, Charles W., to Deering Milliken Research Corporation. Loom doff truck. 3,830,377, 8-20-74, Cl. 212-145.000.

Hunter, Charles G. Shaft for conventional golf club. 3,809,403, 5-7-74, Cl. 273-80.00b.

Hunter, Chester: *See—*
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Hunter, Dennis: *See—*
Cairns, Hugh; and Hunter, Dennis, 3,792,063.

Hunter, Dewitt T. Patient identification system. 3,814,049, 6-4-74, Cl. 116-114.00r.

Hunter, Don L.: *See—*
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Hunter, Donald Arthur, to Delamere & Williams Company, Limited. Bag filling machine. 3,792,724, 2-19-74, Cl. 141-115.000.

Hunter, Donald Arthur, to Delamere & Williams Company, Limited. Bag making and filling machine. 3,826,061, 7-30-74, Cl. 53-182.000.

Hunter, Donald Noel; and Mayor, Peter William, to U.S. Philips Corporation. Method of producing light-sensitive epoxy resins. 3,822,235, 7-2-74, Cl. 260-47.0ep.

Hunter Douglas International N.V.: *See—*
Landheer, Hugo Arie Johan, 3,831,506.
Van Schijndel, Marinus Johannes, 3,848,824.

Hunter, Earl C.; and Peterson, Ernest L. Waste paper basket fire extinguisher. 3,796,267, 3-12-74, Cl. 169-57.000.

Hunter, Earl K., to United States of America, Navy. Swimmer-dive navigation and reconnaissance device. 3,810,080, 5-7-74, Cl. 340-3.00r.

Hunter, Earl Kent; and Smith, Don G., to United States of America, Navy. Diver communication system. 3,789,353, 1-29-74, Cl. 340-5.00t.

Hunter, Edward E., to Goodyear Tire & Rubber Company, The. Sensor for detecting wires trapped on a creel. 3,794,229, 2-26-74, Cl. 226-25.000.

Hunter, Edward E., to Goodyear Tire & Rubber Company, The. Apparatus used in the treatment of tire cord fabric. 3,800,742, 4-2-74, Cl. 118-246.000.

Hunter, Edward E. Weir type fabric saturator. 3,850,140, 11-26-74, Cl. 118-405.000.

Hunter, Edwin J., to Toro Company, The. Water powered drive for automatic controllers. 3,827,459, 8-6-74, Cl. 137-624.140.

Hunter, Edwin J., to Toro Company, The. Screening device. 3,838,046, 9-24-74, Cl. 210-354.000.

Hunter, Edwin J., to Toro Company, The. Automatic controller drive machanism. 3,854,346, 12-17-74, Cl. 74-568.00t.

Hunter, Edwin J., to Toro Company, The. Sprinkler systems. 3,854,664, 12-17-74, Cl. 239-206.000.

Hunter Engineering Company: *See—*
Senften, David A., 3,782,831.

Hunter Engineering Company, Inc.: *See—*
Cromp, Theodore O., 3,787,171.

Hunter, Eugene A., to Texas Instruments Incorporated. Time delay relay. 3,845,440, 10-29-74, Cl. 337-341.000.

Hunter, Eugene A., to Texas Instruments Incorporated. Time-delay relay and method of assembling same. 3,858,139, 12-31-74, Cl. 337-88.000.

Hunter, Frank Ray, to Du Pont de Nemours, E. I., and Company. Nonfluorescent, green-yellow cationic dye. 3,853,859, 12-10-74, Cl. 260-240.800.

Hunter, George C., to Zygo Corporation. Method and apparatus for aligning an interferometer mirror. 3,844,660, 10-29-74, Cl. 356-106.000.

Hunter, George Dwight, to Deere & Company. Coupling device. 3,826,517, 7-30-74, Cl. 280-511.000.

Hunter, Gordon T., to Varian Associates. Gridded electron gun. 3,852,633, 12-3-74, Cl. 313-411.000.

Hunter, James: *See—*
Hunter, Roland L., 3,834,656.

Hunter, James A.; and Sessions, Robert W. Occlusion device and method and apparatus for inserting the same. 3,834,394, 9-10-74, Cl. 128-325.000.

Hunter, James B., to Bishop, Matthey. Preparation of structures with a coating of Al_2O_3/SiO_2 fibers bonded to Al_2O_3 for use as catalyst substrates. 3,799,796, 3-26-74, Cl. 117-70.00a.

Hunter, James C.: *See—*
Dowd, James Patrick; and Hunter, James C., 3,826,825.

Hunter, James, Machine Company, Inc.: *See—*
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Hunter, James, Machine Company, Inc., mesne: *See—*
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Brochetti, Raymond E., 3,813,741.

Hunter, James R.: *See—*
Lazzarotti, S. James; Wojtowicz, Edward A.; and Hunter, James R., 3,817,516.
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Hunter, James R.; Lazzarotti, S. James; and Kelly, Edward A., Jr., to Burroughs Corporation. Device for aiding the stacking of documents. 3,814,415, 6-4-74, Cl. 271-181.000.

Hunter, James Stuart: *See—*
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Hunter, James T.: *See—*
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Hunter, Joe S.: *See—*
Stripling, William W.; White, Harold V.; and Hunter, Joe S., 3,797,782.
Stripling, William W.; White, Harold V.; and Hunter, Joe S., 3,839,904.
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Hunter, John C., to Honeywell Information Systems, Inc. Semiconductor mass memory. 3,803,562, 4-9-74, Cl. 340-173.00r.

Hunter, John C., to Honeywell Information Systems, Inc. Method for fabricating and assembling a block-addressable semiconductor mass memory. 3,813,650, 5-28-74, Cl. 340-172.500.

Hunter, John P., Jr.; Norton, Ross Erle; and Mitchell, William O., to Oxford Industries, Inc. Cuff making system. 3,785,307, 1-15-74, Cl. 112-121.270.

Hunter, Lafayette D., to Kudlacek, Donald S. Compound archery bow. 3,841,295, 10-15-74, Cl. 124-24.00r.

Hunter, Larry C.: *See—*
Sohn, Fred; Hunter, Larry C.; and Holmes, James Frederick, 3,852,579.

Hunter, Larry L.: *See—*
Brothers, Benton H.; Christianson, William O.; Hunter, Larry L.; Hunter, Max R.; Stauder, Bob E.; and Sitler, Donald D., 3,822,598.

Hunter, Lee. Method of testing vehicle shock absorbers and apparatus therefor. 3,855,841, 12-24-74, Cl. 73-11.000.

Hunter, Leon, to Shell Oil Company. Liquid detergent compositions. 3,786,003, 1-15-74, Cl. 252-551.000.

Hunter, Max R.: *See—*
Brothers, Benton H.; Christianson, William O.; Hunter, Larry L.; Hunter, Max R.; Stauder, Bob E.; and Sitler, Donald D., 3,822,598.

Hunter, Phillip B.: *See—*
Dukelow, Donald A.; Hunter, Phillip B.; and King, Robert J., 3,826,647.

Hunter, Richard: *See—*
Hunter, Roland L., 3,834,656.

Hunter, Richard C., to Bailey Meter Company. Differential pressure transmitter overrange protection. 3,841,158, 10-15-74, Cl. 73-407.00r.

Hunter, Richard F.; and Truitt, Robert B., to General Electric Company. Hermetic sealing system for plastic tank and cover. 3,825,148, 7-23-74, Cl. 220-46.00r.

Hunter, Richard F.; and Mietz, Gerhard O., to General Electric Company. Sealing of molded bushings. 3,829,546, 8-13-74, Cl. 264-262.000.

Hunter, Richard P.: *See—*
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Hunter, Robert E., to Continental Lektroniks Corporation. Burglar-proof chain guard. 3,853,343, 12-10-74, Cl. 292-264.000.

Hunter, Robert O., Jr.: *See—*
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Hunter, Robert R. Anti-fogging device for eye sheilds. 3,825,953, 7-30-74, Cl. 2-14.00k.

Hunter, Robert T.: *See—*
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Inamorato, Jack T.; Hunter, Robert T.; and Dickson, Robert E., 3,814,705.
Inamorato, Jack T.; and Hunter, Robert T., 3,853,779.

Hunter, Robert Tweedy, Jr.; and Marder, Herman Lowell, to Colgate-Palmolive Company. Textile sizing, water and oil repellent composition starch-fluoro polymer. 3,813,359, 5-28-74, Cl. 260-17.4st.

Hunter, Roger A.: *See—*
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Hunter, Susan E.; Boyce, Clive B. C.; Armitage, Brian P.; Haken, Pieter Ten; and Wagner, Willem M., to Shell Oil Company. Cyclopropane derivative fungicides. 3,856,976, 12-24-74, Cl. 424-317.000.

Hunter, Theodore K. Spray gun assembly having stir means. 3,831,850, 8-27-74, Cl. 239-144.000.

Hunter, Willard L.; and Stickney, William A., to United States of America, Interior. Smelting of copper oxides to produce blister copper. 3,857,701, 12-31-74, Cl. 75-74.000.

Hunter, William Allan, to Hunter Automated Machinery Corporation. Extended cooling conveyor. 3,827,549, 8-6-74, Cl. 198-221.000.

Hunter, William L.; Paulson, Danton L.; and Stickney, William A., to United States of America, Interior. Smelting of nickel oxide ores to produce ferronickel. 3,854,936, 12-17-74, Cl. 75-82.000.

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Huntzinger, Elwood E.; and Schwartz, Nelson N., to Air Products and Chemicals, Inc. Stabilization of vinyl resin foam systems. 3,824,204, 7-16-74, Cl. 260-29.10r.

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Huppke, Glen P., to Environeering, Inc. Foam type gas scrubber. 3,811,247, 5-21-74, Cl. 55-178.000.

Huppke, Glen P., to Environeering, Inc. Foam breaker. 3,830,041, 8-20-74, Cl. 55-178.000.

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Hurd, Charles B.; Richmond, Gerald W.; and Richmond, Leo E., to Borg-Warner Corporation. Roller bearing assembly. 3,794,393, 2-26-74, Cl. 308-207.000.

Hurd, David D.; and Mead, Robert B., to Boise Cascade Corporation. Spindle assembly. 3,798,987, 3-26-74, Cl. 74-230.0lr.

Hurd, Edward T. E., III; and Stern, David M., to Honeywell Inc. Matrix print rotation. 3,814,227, 6-4-74, Cl. 197-1.00r.

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Hurd, John E., to Ingersoll Milling Machine Company, The. Gravity sag compensation system. 3,827,333, 8-6-74, Cl. 90-14.000.

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Hurd, Raymond M. Shotgun shell holder. 3,845,889, 11-5-74, Cl. 224-16.000.

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Hurd, Stanley E., to Motch & Merryweather Machinery Company, The. Multi-stage drying apparatus and method. 3,838,523, 10-1-74, Cl. 34-10.000.

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Huret, Jacques Andre; and Huret, Roger Henri Marius. Device for the accurate control of translatory movement and in particular of the translatory displacement of a bicycle chain from one chain wheel to the other. 3,813,955, 6-4-74, Cl. 74-217.00b.

Huret, Roger Henri; and Huret, Jacques Andre. Device for guiding cales on cycles. 3,813,957, 6-4-74, Cl. 74-240.000.

Huret, Roger Henri Marius: *See—*
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Hurford, Winslow Leroy, to RCA Corporation. Fade-to-black video signal processing apparatus. 3,783,188, 1-1-74, Cl. 178-6.800.

Hurford, Winslow Leroy, to RCA Corporation. PWM multiplex system. 3,855,419, 12-17-74, Cl. 179-15.0aw.

Hurkamp, Charles H. Collapsible shipping container. 3,799,384, 3-26-74, Cl. 220-6.000.

Hurko, Bohdan; and Dills, Raymond L., to General Electric Company. Flow-through self-cleaning gas oven with heat exchanger 3,783,854, 1-8-74, Cl. 126-21.00r.

Hurko, Bohdan; and Dills, Raymond L., to General Electric Company. Border treatment of composite metal plate surface heating unit. 3,826,898, 7-30-74, Cl. 219-462.000.

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Hurlbrink, Robert William, III, to Bell Telephone Laboratories, Incorporated. Semiconductor wafer transfer fixture. 3,841,689, 10-15-74, Cl. 294-87.00r.

Hurlburt, Joseph C.; and Halls, Lawrence M., to Sperry Rand Corporation. Loader drive. 3,810,517, 5-14-74, Cl. 180-49.000.

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Hurley, Eldon Kenneth, to Hercules Incorporated. Shot shell and improved wadding therefor. 3,804,019, 4-16-74, Cl. 102-42.00r.

Hurley, Frederick A. Player activated electrical random selection device. 3,799,553, 3-26-74, Cl. 273-141.00a.

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Hurley, Raymond E., to Owens-Corning Fiberglas Corporation. Apparatus for winding a plurality of linear materials. 3,855,774, 12-24-74, Cl. 57-81.000.

Hurley, Thomas P., to Sprague Electric Company. Multilayer ceramic capacitor and method of terminating. 3,809,973, 5-7-74, Cl. 317-258.000.

Hurley, William J.; and Dempster, Thomas B. Two part container. 3,801,000, 4-2-74, Cl. 229-23.00r.

Hurlock, Arthur C., to Ex-Cell-O Corporation. Non-returnable container case. 3,784,082, 1-8-74, Cl. 229-30.000.

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Hurschman, Alfred A.; and Schiller, Thomas P., to Ampoules, Inc. Hypodermic ampoule with skin tensioning clip. 3,797,490, 3-19-74, Cl. 128-218.00m.

Hurschman, Alfred A., to Ampoules, Inc. Method of preforming an intramuscular injection. 3,797,491, 3-19-74, Cl. 128-218.0da.

Hurschman, Alfred A., to Ampoules, Inc. Plunger tack. 3,809,082, 5-7-74, Cl. 128-218.00p.

Hurschman, Alfred A., to Ampoules, Inc. Multiple compartment hypodermic devices. 3,810,469, 5-14-74, Cl. 128-218.00m.

Hurschman, Alfred A., to Ampoules, Inc. Intramuscular injection devices. 3,820,542, 6-28-74, Cl. 128-218.0da.

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Martin, Willis Leon; Holland, Orvis L.; Ewan, Thomas K.; and Hurse, James E., 3,852,409.

Hursen, Thomas F.; Kokenik, Steve A.; and Prudy, David L., to Arco Nuclear Company, mesne. Thermoelectric generator. 3,818,304, 6-18-74, Cl. 321-2.000.

Hurst, Alan R.; and Mirasol, Salustiano S., to Phillips Petroleum Company. Heat sealed, readily peelable or tearable structure suitable for closures, labels, packaging, etc. 3,783,089, 1-1-74, Cl. 161-166.000.

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Hurst, Fred J.; and Crouse, David J., to United States of America, Atomic Energy Commission. Oxidative stripping process for the recovery of uranium from wet-process phosphoric acid. 3,835,214, 9-10-74, Cl. 423-10.000.

Hurst, George H.; and Hobbins, James F., to Hurst Performance, Inc. Rescue tool. 3,819,153, 6-25-74, Cl. 254-93.00r.

Hurst, George S., to Elographics, Incorporated. Electrographic sensor for determining planar coordinates. 3,798,370, 3-19-74, Cl. 178-18.000.

Hurst, George S., to University of Kentucky, The Board of trustees of the, mesne. Hand held probe for use in electrical sensing of plane coordinates. 3,804,983, 4-16-74, Cl. 178-87.000.

Hurst, Gerald L., to Kinetics International Corporation. Method of activating ammonium nitrate prills for explosives. 3,804,929, 4-16-74, Cl. 264-3.00c.

Hurst, Gerald L., to Kinetics International Corporation. Inverted bottle arming technique. 3,832,950, 9-3-74, Cl. 102-24.00r.

Hurst, Gilbert. Method of manufaciuring capacitors in an electronic microstructure. 3,839,164, 10-1-74, Cl. 204-38.00s.

Hurst, James K. Apparatus for holding and illuminating graphic materials. 3,808,415, 4-30-74, Cl. 240-2.00d.

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Hurst, John, to Grace, W. R., & Co. Waterstops. 3,808,762, 5-7-74, Cl. 52-403.000.

Hurst, John, to Grace, W. R., & Co. Waterproofed concrete structure. 3,853,682, 12-10-74, Cl. 161-92.000.

Hurst, Louis S., to Lloyd, Norman E. and Standard Brands Incorporated. Method for preparing adsorptive cellulose ethers. 3,823,133, 7-9-74, Cl. 260-231.00a.

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Hurst, Robert H. Bath massager. 3,802,422, 4-9-74, Cl. 128-66.000.

Hurst, Thomas L.; and Turner, Almerin W., to Staley, A. E., Manufacturing Company. High maltose syrups. 3,791,865, 2-12-74, Cl. 127-32.000.

Hurt, Arthur J. System and method for customer return of merchandise carts. 3,837,455, 9-24-74, Cl. 194-4.00r.

Hurt, Harmon C., to General Motors Corporation. Disc brake actuator. 3,788,430, 1-29-74, Cl. 188-72.600.

Hurt, Harmon C., to General Motors Corporation. Spring and spring installation. 3,797,611, 3-19-74, Cl. 188-71.800.

Hurt, Harmon C., to General Motors Corporation. Self adjusting disc brake with parking brake. 3,820,635, 6-28-74, Cl. 188-71.900.

Hurt, William S.: *See—*
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Hurtig, Roy E.; and Geri, Don W., to Memorex Corporation. Film cassette. 3,836,091, 9-17-74, Cl. 242-71.200.

Hurtle, Ralph Loyd, to General Electric Company. Vapor state current limiting device. 3,806,855, 4-23-74, Cl. 337-114.000.

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Hurwitz, Marvin J.; Kennedy, David C.; and Kollman, Carl J., to Rohm and Haas Company. Separation of waste dyestuffs by adsorption process. 3,853,758, 12-10-74, Cl. 210-27.000.

Hurwitz, Mathew. Mixing and comminuting apparatus. 3,784,118, 1-8-74, Cl. 241-282.100.

Hurwitz, Mathew. Trolling propeller with self adjusting hydrodynamic spoilers. 3,812,812, 5-28-74, Cl. 115-34.00r.

Hurwitz, Mathew. Slip clutch for outboard motor. 3,831,401, 8-27-74, Cl. 64-30.00r.

Hurwitz, Mathew. Method of cooking and thawing. 3,840,686, 10-8-74, Cl. 426-231.000.

Hurwitz, Melvin D., to Rohm & Haas Company. Cigarette burn resistant mattresses having aluminized polyurethane foam layer. 3,833,951, 9-10-74, Cl. 5-345.00r.

Hurwitz, Paul D. Vehicle conveyor. 3,789,766, 2-5-74, Cl. 104-172.00b.

Hurzeller, Rene; Vinnemann, Antonius; and Doslik, Peter, to Sulzer Brothers, Ltd. Jacquard mechanism. 3,828,826, 8-13-74, Cl 139-59.000.

Husa, Howard W.; and Ginsburgh, Irwin, to Standard Oil Company (Indiana). Method for safely collecting hydrocarbon vapors present during loading or unloading of flammable fuels. 3,783,911, 1-8-74, Cl. 141-11.000.

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Huska, Paul A.; and Meissner, Herman P., to Little, Arthur D., Inc. Method and apparatus for providing a pure concentrated aqueous solution of aluminum nitrate. 3,816,590, 6-11-74, Cl. 423-112.000.

Huskins, Chester W.; and Van Kanduyt, Dennis C., to United States of America, Army. Propellant composition with ferrocene homopolymer. 3,843,426, 10-22-74, Cl. 149-19.200.
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Hussain, Anwar, to Interx Research Corporation. Alkoxyacetanilide compounds. 3,786,090, 1-15-74, Cl. 260-562.00a.
Hussain, Anwar; and Truelove, James E., to Interx Research Corporation. Novel ester of [(methylamino) methyl] benzyl alcohol. 3,809,714, 5-7-74, Cl. 260-479.00r.
Hussain, Anwar; and Truelove, James E., to INTERx Research Corporation. Pharmaceutical compositions containing a novel ester of (methylamino)methyl)benzyl alcohol and methods of using same. 3,839,584, 10-1-74, Cl. 424-311.000.
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Hussey, James L., to General Motors Corporation. Utilized windshield cleaning system. 3,815,168, 6-11-74, Cl. 15-250.002.
Hussisian, Vahan A. Method of flocculating. 3,835,045, 9-10-74, Cl. 210-49.000.
Hussmann, Jurgen; and Kurth, Dieter, to Gebr. Eickhoff Maschinenfabrik und Eisengiesserei m.b.H. Machine for the preparation and extrusion of plastics. 3,825,236, 7-23-74, Cl. 259-191.000.
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Searcy, James A.; and Rasch, Milton A., 3,817,160.
Husson, Bernard, to Entreprise de Recherches et d'Activites Petrolieres (ELF). Method and device for measuring the relative displacement between binary signals corresponding to information recorded on the different tracks of a kinematic magnetic storage deice. 3,843,952, 10-22-74, Cl. 340-172.500.
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Leslie, Myron E., 3,835,672.
Huste, Arno, to General Foods Corporation. Process for producing high quality spray dried coffee. 3,798,342, 3-19-74, Cl. 426-471.000.
Husted, John M.: *See*—
Haeberle, Heinz H.; and Husted, John M., 3,825,899.
Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; and Maillet, Wilfrid G., 3,806,879.
Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; Maillet, Wilfrid G.; and Haeberle, Heinz H., 3,812,430.
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Husted, Robert F.; and Radke, Rodney O., to Monsanto Company. Herbicidal compositions. 3,834,891, 9-10-74, Cl. 71-109.000.
Husted, Royce H. Brake valve. 3,827,765, 8-6-74, Cl. 303-52.000.
Husted, Royce Hill, to Saroy Engineering. Power driven ski. 3,853,192, 12-10-74, Cl. 180-5.000.
Hustede, Helmut; and Siebert, Diethelm, to Benckiser, Joh. A., GmbH. Production of citric acid from hydrocarbons. 3,843,465, 10-22-74, Cl. 195-28.00r.
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Huster, Jeanne Peterson, administratrix: *See*—
Huster, Edward, deceased; Janchus, Robert M.; Davis, Steven S.; Davis, Kent L.; and Hawkes, Ralph O., 3,800,953.
Huster, Lienhard Bodo: *See*—
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Huston, John T.; and Toohey, Raymond F., to Ford Motor Company. Brake control valve. 3,817,584, 6-18-74, Cl. 303-6.00c.
Huston, Kenneth G.: *See*—
Dugan, James G.; Hancock, Albert S., Jr.; Hausske, Gene W.; Huston, Kenneth G.; Rosenberg, Bernard L.; and Smith, Shirley M., 3,820,507.
Huston, Leroy S.: *See*—
Westlund, Arnold E., Jr.; Palmer, Lewis H., III; Audesse, Emery G.; and Huston, Leroy S., 3,829,729.
Huston, Leroy S.; and Kulik, Joseph S., Jr., to GTE Sylvania Incorporated. Tungsten-halogen lamp with tantolum getter. 3,849,687, 11-19-74, Cl. 313-179.000.
Huston, Paul O.; Seipp, Hermann Karl; and Riuli, Arduino E., to Becton, Dickinson and Company. Corrugated flexible hose. 3,794,080, 2-26-74, Cl. 138-121.000.
Huston, Paul O., to Becton Dickinson and Company. Fluid dispensing device. 3,836,079, 9-17-74, Cl. 239-74.000.
Huston, Richard A.; and McQueary, Leroy W. Insulated meter enclosure. 3,837,521, 9-24-74, Cl. 220-3.300.
Huszar, Frank. Dragster racing chassis. 3,806,149, 4-23-74, Cl. 280-106.50r.
Huszar, Josef, to Gebr. Bohler & Co. AG. Pressure fluid control valve. 3,794,290, 2-26-74, Cl. 251-347.000.
Huszty, Denes; and Szabados, Karoly, to Elektroakusztikai Gyar. Tone control utilizing an operational amplifier with differential inputs. 3,816,661, 6-11-74, Cl. 179-1.00d.
Hutchings, Robert Michael: *See*—
Acres, Gary James Keith; and Hutchings, Robert Michael, 3,806,582.
Hutchings, Thomas J.; and Zingery, Wilbur L., to United States of America, Navy. Laser accelerometer. 3,800,594, 4-2-74, Cl. 73-516.00r.
Hutchins, Alma A. Abrading tool having suction system for collecting abraded particles. 3,785,092, 1-15-74, Cl. 51-170.0mt.
Hutchins, Alma A. Piercing of air suction holes in abrasive sheet material. 3,788,011, 1-29-74, Cl. 51-170.00r.
Hutchins, Alma A. Reciprocating abrading or polishing tool. 3,793,781, 2-26-74, Cl. 51-170.0tl.
Hutchins, Alma A. Structure and manufacture of abrading tool having suction system. 3,815,292, 6-11-74, Cl. 51-170.0mt.
Hutchins, Alma A. Piercing of air suction holes in abrasive sheet material. 3,824,689, 7-23-74, Cl. 30-368.000.
Hutchins, Alma A. Suction system for abrading tool. 3,824,745, 7-23-74, Cl. 51-170.00t.
Hutchins, Alma A. Piercing of suction holes in sanding discs. 3,827,194, 8-6-74, Cl. 51-170.0mt.
Hutchins, Alma A. Method of piercing holes in sanding discs. 3,840,976, 10-15-74, Cl. 29-445.000.
Hutchins, Alma A. Piercing of suction holes in sanding discs. 3,854,206, 12-17-74, Cl. 30-368.000.
Hutchins, Burleigh M., Jr.: *See*—
Abrahams, Louis; and Hutchins, Burleigh M., Jr., 3,810,716.
Abrahams, Louis; Hutchins, Burleigh M., Jr.; and Waters, James L., 3,855,129.
Hutchins, Burleigh M., Jr., to Waters Associates, Inc. Improved analytical apparatus for measuring light absorbance of fluids. 3,810,696, 5-14-74, Cl. 356-93.000.
Hutchins, Burleigh M., Jr., to Waters Associates, Inc. Motor control circuit. 3,855,515, 12-17-74, Cl. 318-685.000.
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Hutchins, Thomas B., IV. Microwave device including indium joined quartz window closing off hermetic chamber. 3,828,284, 8-6-74, Cl. 333-98.00p.
Hutchins, Thomas B., IV. Calibration of electrical blood-pressure monitoring equipment. 3,842,357, 10-15-74, Cl. 328-188.000.
Hutchins, Thomas B., IV. Bond preparation in electrical deflection-sensitive transducer. 3,844,026, 10-29-74, Cl. 29-487.000.
Hutchins, Thomas B., IV. Method of making a ductile hermetic indium seal. 3,857,161, 12-31-74, Cl. 29-472.700.
Hutchinson, Arthur J. L., to Geothermal Investment Co. Power generation from hot brines. 3,845,627, 11-5-74, Cl. 60-641.000.
Hutchinson, Carl P., to Wilson Industries, Inc. Tool for use in removing a fish stuck within a well bore. 3,785,690, 1-15-74, Cl. 294-86.340.
Hutchinson, Carol W.: *See*—
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Cary, Donald S.; and Hutchinson, Charles H., 3,852,775.
Hutchinson, Don W.; Kniesly, Richard A.; and Stants, Richard O., to Ko An, Inc. Speed responsive timing circuit for vehicle light operation. 3,829,828, 8-13-74, Cl. 340-62.000.
Hutchinson, Donald O., to Ethyl Corporation. Process and apparatus using circulating gas stripping loop for on-board production of volatile fuel to operate an internal combustion engine. 3,799,125, 3-26-74, Cl. 123-3.000.

Hutchinson, Harold D. Ski boot load distributor for lower leg. 3,855,716, 12-24-74, Cl. 36-2.5al.
Hutchinson, Herman R.; Arpajian, Vasken F.; and Malcomson, Robert S., to Pennwalt Corporation. Time monitored process for controlling injection molding cycle. 3,784,657, 1-8-74, Cl. 264-40.000.
Hutchinson, Homer F.: *See*—
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Hutchinson, Homer F., to GTE Automatic Electric Laboratories, Incorporated. Overvoltage protection circuit for dual outputs of opposite polarity. 3,790,856, 2-5-74, Cl. 317-16.000.
Hutchinson, Homer F., to GTE Automatic Electric Laboratories, Incorporated. Power supply system having redundant D.C. power supplies. 3,808,452, 4-30-74, Cl. 307-64.000.
Hutchinson, Homer F., to GTE Automatic Electric Laboratories, Incorporated. Power supply system control circuit. 3,809,963, 5-7-74, Cl. 317-22.000.
Hutchinson, John, to Imperial Chemical Industries Limited. Preparation of omega-hydroperfluoroalkanes. 3,799,995, 3-26-74, Cl. 260-653.000.
Hutchinson, John J.: *See*—
Klumb, Ralph H.; and Hutchinson, John J., 3,814,667.
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Sternberg, Stanley R.; Young, James E.; and Lennington, John W. (said Young, James E., Lennington, John W., and said Sternberg, Stanley assors. to said), 3,790,798.
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Hutchinson, Peter; and Darnbrough, Geoffrey, to I.W.S. Nominee, Company Limited. Textile crimping. 3,786,538, 1-22-74, Cl. 28-1.600.
Hutchinson, Royal Edward; and Bruce, George Brebber. Machine for compacting and packaging waste material. 3,808,766, 5-7-74, Cl. 53-24.000.
Hutchinson, Stanley O., to Chevron Research Company. High pressure jet well cleaning. 3,850,241, 11-26-74, Cl. 166-722.000.
Hutchinson, William M. Purification of partially fluorinated cyclobutanes. 3,850,759, 11-26-74, Cl. 203-58.000.
Hutchinson, William M., to Philips Petroleum Company. 3,4-Bis(carbethoxy)-2-isocazoline and process. 3,852,299, 12-3-74, Cl. 260-307.00f.
Hutchinson, William Y.; and Kushmuk, Walter P., to Continental Scale Corporation. Weighing and height measuring device. 3,808,694, 5-7-74, Cl. 33-169.00r.
Hutchinson, William Y.; and Kushmuk, Walter P., to Continental Scale Corporation. Weighing scale. 3,809,171, 5-7-74, Cl. 177-165.000.
Hutchinson, William Y.; and Kushmuk, Walter P., to Continental Scale Corporation. Weighing scale. 3,827,515, 8-6-74, Cl. 177-241.000.
Hutchison, Arthur H.; and McMillian, Lonnie S., to Abbott Laboratories. Gas-filled tube control apparatus and method. 3,857,065, 12-24-74, Cl. 315-340.000.
Hutchison, Bruce D.: *See*—
McNaughton, Andrew; and Hutchison, Bruce D., 3,788,274.
Hutchison, David John, to Monostruct Corporation Limited. Method of producing a molded foamed structural member having a honeycomb core adapted for venting. 3,789,094, 1-29-74, Cl. 264-45.000.
Hutchison, Donald W.; and Stolle, Mark A., to Belden Corporation. Low capacitance and low leakage cable. 3,843,831, 10-22-74, Cl. 174-116.000.
Hutchison, Edward T., Jr., to Walcott-Taylor Company Incorporated. Microfiche or card index. 3,782,013, 1-1-74, Cl. 40-124.200.
Hutchison, John Grear, to Grace, W. R., & Co. Process and apparatus for preparing printing plates using a photocured image. 3,836,709, 9-17-74, Cl. 178-6.70r.
Hutchison, John J.: *See*—
Gehm, Robert; and Hutchison, John J., 3,833,669.
Hutchison, John W., to Pullman Incorporated. Nailable door post. 3,824,931, 7-23-74, Cl. 105-369.00b.
Hutchison, John W.; and Stark, Marvin, to Pullman Incorporated. Resilently mounted railway hopper car outlet. 3,831,803, 8-27-74, Cl. 220-46.00r.
Hutchison, Michael Raymond: *See*—
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Hutchison, Stanley O., to Chevron Research Company. High pressure jet well cleaning. 3,811,499, 5-21-74, Cl. 166-67.000.
Hutchison, Stanley O., to Chevron Research Company. Rotary tubular coupling. 3,829,134, 8-13-74, Cl. 285-14.000.
Hutchison, Stanley O., to Chevron Research Company. Method and apparatus for use in well operations. 3,840,072, 10-8-74, Cl. 166-86.000.
Hutchison, Stanley O.; Anderson, Glenn W.; and Newby, Gordon L., to Chevron Research Company. Impression packer. 3,855,854, 12-24-74, Cl. 73-151.000.
Hutchison, Stanley O.; Anderson, Glenn W.; and Newby, Gordon L., to Chevron Research Company. Impression packer. 3,855,855, 12-24-74, Cl. 73-151.000.
Hutchison, Stanley O.; Anderson, Glenn W.; and Newby, Gordon L., to Chevron Research Company. Impression packer. 3,855,856, 12-24-74, Cl. 73-151.000.
Hutchison, Walter A., III, to Itek Corporation. Adjustable light diffuser for an optical projection system. 3,848,122, 11-12-74, Cl. 240-46.510.
Hutchison, Williston E. Long-term deep submergence battery power supply. 3,809,581, 5-7-74, Cl. 136-161.000.
Huteaux, Andre, to Somip. Vat device for the treatment of articles in a fluidified medium. 3,799,112, 3-26-74, Cl. 118-629.000.
Huth, Heinz; and Schum, Hans, to Dragoco Spezialfabrik Konz. Riech- und Aromastoffe Gerberding & Co. GmbH. Method of producing a concentrated meat produce and product produced thereby. 3,796,811, 3-12-74, Cl. 426-59.000.
Huth, R. Carl; and Mc Coy, William, to Johnston, Robert A., Company, Inc. In-line crimping device for rigid foil containers. 3,835,799, 9-17-74, Cl. 113-1.00e.
Huthsing, Henry W.: *See*—
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Hutner, Mark A., to Xerox Corporation. Feedback fuser for 730S. 3,851,144, 11-26-74, Cl. 219-216.000.
Hutner, Mark A.; and Wilmes, Raymond A., to Xerox Corporation. Commutator disk for zip code sorting. 3,858,054, 12-31-74, Cl. 250-556.000.
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Hutson, Clifford L. Vacuum pick-up instrument. 3,843,183, 10-22-74, Cl. 294-64.00r.
Hutson, Donald, to Cal Detect, Inc. Standardizing of alcohol-content measuring apparatus. 3,847,551, 11-12-74, Cl. 23-232.00r.
Hutson, Dwight D.; and Rader, Charles A., to Gillette Company, The. Solid water-soluble adhesive composition in relative rigid form comprising adhesive component and novel isethionic acid ester matrix builder. 3,838,084, 9-24-74, Cl. 260-29.60z.
Hutson, George Ernest, to Hercules Incorporated. Adjustable container conveyor for filling machine. 3,857,474, 12-31-74, Cl. 198-131.000.
Hutson Industries, Inc.: *See*—
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Hutson, Jerald L. Semiconductor switch devices having improved shorted emitter configuration. 3,792,320, 2-12-74, Cl. 317-235.00r.
Hutson, Jerald L. High voltage semiconductor device with plural grooves. 3,821,782, 6-28-74, Cl. 357-55.000.
Hutson, Lawrence W. Spinning tool for untwisting phone service cords. 3,836,190, 9-17-74, Cl. 294-118.000.
Hutson, Thomas, Jr.; and Carter, Cecil O., to Phillips Petroleum Company. HF alkylation of isoparaffin with olefin heavier than ethylene with ethyl fluoride as reaction improver. 3,842,140, 10-15-74, Cl. 260-683.510.
Hutson, Thomas, Jr.; and Makovec, Donald J., to Phillips Petroleum Company. Alkylation of isobutane with ethylene and with aluminum halide hydrocarbon complex catalyst using two reactors in series. 3,855,345, 12-17-74, Cl. 260-683.450.
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Pitzer, Hans-Joachim; and Pietsch, Wolfgang B., 3,833,327.
Huttenbrauck, Herbert; Poklekowski, Helmut; and Soliman, Mustafa, to Gewerkschaft Eisenhutte Westfalia. Control wall for longwall mining installation. 3,841,706, 10-15-74, Cl. 299-34.000.
Huttenbrauck, Herbert; Ostrop, Berthold; Soliman, Mustafa; and Polkekowski, Helmut, to Gewerkschaft Eisenhutte Westfalia. Mineral winning machine having continuous height adjustment to accummodate varying seam thickness. 3,847,438, 11-12-74, Cl. 299-34.000
Huttenwerk Oberhansen A.G.: *See*—
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Hutter, Charles G., III, to Physical Systems, Inc. Surgical lamp. 3,786,244, 1-15-74, Cl. 240-1.400.
Hutter, Gunter. Knock-out arrangement for an injection molding machine. 3,844,703, 10-29-74, Cl. 425-436.000.

Hutter, Harold Gregory. Sealed coaxial connector. 3,810,076, 5-7-74, Cl. 339-177.00r.
Hutter, Wilhelm, to Becker & Van Hullen Niederrheinische Maschinenfabrik. Apparatus for pressing chipboard panels. 3,826,601, 7-30-74, Cl. 425-338.000.
Hutter, Wilhelm, to Becker & van Hullen, Niederrheinische Maschinenfabrik. Asymetrically loadable press for producing panels. 3,850,564, 11-26-74, Cl. 425-338.000.
Huttner, Franz. Tires for automobiles and like vehicles. 3,804,141, 4-16-74, Cl. 152-208.000.
Huttner, Theo, to Bunker Ramo Corporation. Method for producing a glass-encapsulated reed-contact switch. 3,828,427, 8-13-74, Cl. 29-622.000.
Hutto, Ronald C.: *See—*
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Hutton, Henry James; and Thompson, Alan, to EMI Limited. Apparatus for the production of Gramophone records with labels attached thereto. 3,826,600, 7-30-74, Cl. 425-123.000.
Hutton, Robert Christopher: *See—*
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Huttunen, Jouko, to Neste Oy. Method for plasticizing wood. 3,788,929, 1-29-74, Cl. 156-307.000.
Hutzell, Robert D. Meat-hanging apparatus and the like. 3,820,195, 6-28-74, Cl. 17-44.200.
Huurdeman, Wilhelmus F. J.: *See—*
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Huvey, Michel; and Le Meur, Germain, to Institut Francais du Petrole, des Carburants et Lubrifiants and Societe Anonyme pour Tous Apparcielages Mecaniques S.A. Process for making a tight coating around a pipe for conveying hydrocarbons and the resulting hyrocarbon conveying pipe line. 3,790,418, 2-5-74, Cl. 156-79.000.
Huxley, Edward E., to Phillips Petroleum Company. Purification of mercaptoalkyl N-alkyl sulfides. 3,786,101, 1-15-74, Cl. 260-609.00c.
Huybrechts, Roger Joseph: *See—*
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Huyffer, Paul S., to Polaroid Corporation. Photographic processes and products employing mixed indole/carbazole phthaleins as optical filter agents. 3,816,120, 6-11-74, Cl. 96-3.000.
Huyffer, Paul S.; and Wasatonic, John J., to Polaroid Corporation. Process for the preparation of 3- (3'-lower carboalkoxy-4'hydroxy -1'-naphthyl)-3-(3''-carboxy-4''hydroxy-1''-naphthyl) naphthalide. 3,821,254, 6-28-74, Cl. 260-343.20r.
Huyge, John, to Susan Shoe Industries, Limited. Manufacture of shoes. 3,841,003, 10-15-74, Cl. 36-11.500.
Huynh, Chanh: *See—*
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Huys, Theodore H. J.; and Donkers, Peter J. M. Apparatus and method for cultivating plants. 3,832,802, 9-3-74, Cl. 47-1.100.
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HVP, Inc.: *See—*
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Hwa, Chih Ming, to Grace, W. R., & Co. Organic phosphonic acid compound corrosion protection in aqueous system. 3,803,048, 4-9-74, Cl. 252-389.00a.
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Hyatt, Frederick; and Coburn, Theodore Robert, to Marhsall & Williams Company. Precision slitting machine for plastic sheeting. 3,786,706, 1-22-74, Cl. 83-122.000.
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Hyde, James Stewart, to Varian Associates. Coaxial line to microwave coupler. 3,828,244, 8-6-74, Cl. 324-.50r.
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Ichinose, Noboru; and Yokomizo, Yuhji. Oxide varistor composition consisting of ZnO; $5b_2O_3$ and/or Sb_2O_5; ZrO_2, TiO_2 and/or GeO_2; and Bi_2O_3. 3,842,018, 10-15-74, Cl. 252-520.000.
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Idel, Vladimir Viktorovich. Band saw sharpening machine. 3,802,299, 4-9-74, Cl. 76-37.000.
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Infanger, Arthur W.; and Brownlie, Alan W., to Agua Marine Manufacturing Limited. Steering system. 3,823,617, 7-16-74, Cl. 74-498.000.
Infante, Carlo; and Roberts, Donald Kistler, to Tektronix, Inc. Dark current temperature compensation via DC restoration circuit. 3,839,669, 10-1-74, Cl. 323-1.000.
Infantino, Osvaldo Cesar, to Direccion General de Investigacion y Desarrollo (DIGID), Ministerio de Defensa de la Republica Argentina. Self-propelling ballistic projectiles. 3,815,503, 6-11-74, Cl. 102-49.300.
Infantino, Osvaldo Cesar, to Direccion General de Investigacion y Desarrollo (DIGID), Ministerio de Defensa de la Republica Argentina. Firearms. 3,845,581, 11-5-74, Cl. 42-76.00r.
Info Systems, Inc.: *See—*
Silva, Claudio De Sa E, 3,835,390.
Inforex, Inc.: *See—*
Steranko, James Joseph; and Holland, John Henry (said Holland assor. to), 3,840,169.
Information Consultants, Inc.: *See—*
Gravis, Merle C.; and Beer, Martin, 3,800,644.
Information Design, Inc.: *See—*
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Information Terminals Corporation: *See—*
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Infra Systems, Inc.: *See—*
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Infra Systems, Inc., mesne: *See—*
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Infra-Ray Division Solaronics, Inc.: *See—*
Heath, George E., 3,825,406.
Ing, Paul W., to International Business Machines Corporation. Apparatus for high temperature semiconductor processing. 3,842,794, 10-22-74, Cl. 118-49.000.
Ing, Samuel W., Jr.: *See—*
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Ingalls, Douglas J.; and Abell, Richard S., to Carrier Corporation. Cylinder head for a motor compressor unit. 3,817,661, 6-18-74, Cl. 417-312.000.
Ingalls, Edgar J. Crawfish peeler. 3,789,460, 2-5-74, Cl. 17-73.000.
Ingalls, James A. Plow mold board. 3,850,252, 11-26-74, Cl. 172-760.000.
Ingalls, John E.: *See—*
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Ingelman, Bjorn Gustav-Adolf, to Pharmacia AB. Novel 3,5-substituted 2,4,6-triiodobenzoic acids and salts thereof. 3,804,892, 4-16-74, Cl. 260-519.000.
Ingelman, Gustav-Adolf: *See—*
Bjork, Lars; Erikson, Uno Eugen; Granath, Kirsti Annikki; Ingelman, Gustav-Adolf; and Lindberg, Bernt Jabes, 3,852,341.
Ingels, George W. Laboratory refrigeration apparatus. 3,832,862, 9-3-74, Cl. 62-227.000.
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Carp, Ralph W.; Ingels, Ward A.; and Ang, Leoncio T., 3,825,307.
Ingemar, Fernlund; and Stig, Hallerback, to SKF Industrial Trading and Development Company B.V. Holder for an outer race of a roller bearing. 3,809,447, 5-7-74, Cl. 308-236.000.
Ingemarsson, Gosta Ingemar: *See—*
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Ingemarsson, Gosta Ingemar. Method and apparatus for continuous pretreatment of wooden chips. 3,801,431, 4-2-74, Cl. 162-19.000.
Ingemarsson, Gosta Ingemar, to Aktiebolaget Karlstads Mekaniska Werkstad. Method and apparatus for the continuous digestion of cellusosic materials. 3,814,663, 6-4-74, Cl. 162-60.000.
Ingenieurburo fur Rationalisierung der Suss- und Dauerbackwarenindustrie: *See—*
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Ingenito, Donald R.; Mathewson, Wilfred P.; Ryon, David M., and Walmet, Gunnar E., to General Electric Company. Integral blood heat and component exchange device and two flow path membrane blood gas exchanger. 3,839,204, 10-1-74, Cl. 210-181.000.
Ingenito, Michael J., to General Time Corporation Permanent magnet rotor synchronous motor. 3,803,433, 4-9-74, Cl. 310-156.000.
Ingenjorsfirma B-Projekt Aktiebolag: *See—*
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Black, Arthur L., 3,808,911.
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Ingham, Herbert Smith, Jr.; and Novinski, Edward Robert, to Metco, Inc. Flame spraying with powder blend of ferromolybdenum alloy and self-fluxing alloys. 3,819,384, 6-25-74, Cl. 106-1.000.
Ingham, Kenneth W. Musical toy. 3,848,504, 11-19-74, Cl. 84-402.000.
Ingham, Lawrence Allister. Water sprinkler. 3,786,991, 1-22-74, Cl. 239-236.000.
Ingham, Robert M., Jr., to Deering Milliken Research Corporation. Roving stop. 3,807,161, 4-30-74, Cl. 57-84.000.
Ingles, William R., 1/2 to American Medical International, Inc. X-ray film cassette holder. 3,826,922, 7-30-74, Cl. 250-471.000.
Inglis, Leslie R., to Vortec Corporation. Pressure regulating refrigerative air dryer system. 3,815,375, 6-11-74, Cl. 62-5.000.
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Ingram, Brian; and Spence, Douglas Roy, to Girling Limited. Hydraulic braking systems for vehicles. 3,799,300, 3-26-74, Cl. 192-3.00r.
Ingram, Brian; and Harries, David Anthony, to Girling Limited. Hydraulic braking systems for vehicles. 3,843,209, 10-22-74, Cl. 303-21.0cg.
Ingram, Brian; Harries, David Anthony; and Phoenix, Lancelot, to Girling Limited. Anti-skid hydraulic braking systems. 3,843,211, 10-22-74, Cl. 303-21.00f.
Ingram, Brian; and Harries, David Anthony, to Girling Limited. Fluid pressure braking for vehicles. 3,844,625, 10-29-74, Cl. 303-21.00f.
Ingram, Charles E.; Gendron, Roger J.; Cronk, Vern V.; and Keefe, Harry J., to Baker Perkins Inc. Stacked tray processing and freezing system. 3,831,293, 8-27-74, Cl. 34-236.000.
Ingram, David John; and Mitchell, Keith James, to General Electric Company, Ltd., The. Retractable posts. 3,802,575, 4-9-74, Cl. 212-64.000.
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Inman, Harold W.; Surletta, Zygmunt M.; and Klicki, Chester E., to Lear Siegler, Inc. box spring. 3,825,960, 7-30-74, Cl. 5-247.000.
Inmaru, Daisaku: *See—*
Ueno., Saburo; Kawasaki, Takao; Inmaru, Daisaku; Ohsaka, Yoshiaki; Satomi, Kouji; Sasaki, Akio; and Ohtake, Osamu, 3,822,301.
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Innerfield, Irving, to Association for Pharmacologic Research, Inc. Serum diagnostic test for maladies causing change in fibrinolytic activity in the blood. 3,853,710, 12-10-74, Cl. 195-99.000.
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Innes, William B.; Michael, Malden W.; and Adler, Stephen F., to American Cyanamid Company. Activity and strength properties of reforming catalysts by aluminum chloride leaching. 3,784,484, 1-8-74, Cl. 252-442.000.
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Inoki, Kazuyoshi; Mastumura, Testuo; and Komiyama, Katsuhiko, to Citizen Watch Company Limited. Timepiece fitted with a regulator controllable from outside. 3,797,226, 3-19-74, Cl. 58-67.000.
Inokuchi, Seiji, to Tokyo Shibaura Electric Co., Ltd. Electromagnetic induction type pattern input apparatus. 3,819,857, 6-25-74, Cl. 178-19.000.
Inokuma, Akira: *See—*
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Inomata, Jihei; Hino, Seiichi; and Tani, Tatsuo, to Mitsubishi Chemical Industries, Limited. Process for producing conjugated diene polymers. 3,830,855, 8-20-74, Cl. 260-635.00e.
Inomata, Mamoru; and Hanabusa, Kazuo, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Purification of turpentine by a process for the recovery of one or more dissolved products from complex liquid mixtures. 3,87,902, 12-31-74, Cl. 260-675.500.
Inomata, Nobuhiro; Ohba, Eiji; and Ogiwara, Tomowo, to Nippon Kokan Kabushiki Kaisha. Gas cutting machine. 3,819,162, 6-25-74, Cl. 266-23.00m.
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Inose, Fumiyuki; and Kita, Yuzo, to Hitachi, Ltd. Arrangement for normalizing two-dimensional pattern. 3,811,110, 5-14-74, Cl. 340-146.30h.

Inose, Fumiyuki; and Thuruoka, Hisashi, to Hitachi, Ltd. Digital control apparatus. 3,824,383, 7-16-74, Cl. 235-153.00r.

Inose, Hiroshi; Masuko, Yutaka; and Saito, Tadao, to Bell Telephone Laboratories, Incorporated. Digital transmission terminal for voice and low speed data. 3,790,715, 2-5-74, Cl. 179-15.0bv.

Inoue, Akira: *See*—
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Inoue, Eiichi; Shimizu, Isamu; Endo, Ichiro; and Kobayashi, Hajime, to Canon Camera Kabushiki Kaisha. Photorecording process and photorecording member. 3,785,820, 1-15-74, Cl. 96-48.00r.

Inoue, Eiichi; Nakayama, Takao; Oka, Yutaka; and Nakai, Yasuo, to Fuji Photo Film Co., Ltd. and said Nakayama, Takao, Oka, Yutaka and Nakai, Yasuo assors. to Dai Nippon Printing Co., Ltd. Process for forming images. 3,811,884, 5-21-74, Cl. 96-27.00r.

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Inoue, Giichi; Kubo, Naoshi; and Hatano, Shogo, to Kubo, Naoshi, Osaka Cement Co., Ltd. and Osaka Consulting Engineers, Ltd. Method for placing hydraulic concrete. 3,791,153, 2-12-74, Cl. 61-46.000.

Inoue, Haruo: *See*—
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Inoue, Isaburo; Hanzawa, Teruo; Endo, Takaya; and Deguchi, Hidetaka, to Konishiroku Photo Industry Co., Ltd. Color photographic material. 3,832,386, 8-27-74, Cl. 260-471.00r.

Inoue, Isao: *See*—
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Inoue, Katashi, to Fuji Kuuki Kabushiki Kaisha. Air exhauster for a rotary pneumatic machine. 3,814,209, 6-4-74, Cl. 181-36.00a.

Inoue, Katsuaki: *See*—
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Inoue, Katsumi; and Fujiwara, Motokichi, to Toyobo Co., Ltd. Continuous pressing machine for textile fabric. 3,791,056, 2-12-74, Cl. 38-56.000.

Inoue, Katsumi, to Teipi Service & Sales Corporation. Golf training device. 3,820,794, 6-28-74, Cl. 273-183.00b.

Inoue, Kazuhiro; Kito, Kazutoshi; and Matsui, Fumio, to Nippon Oils and Fats Company Limited. Composite double base propellant with β-diketone stabilizer. 3,793,098, 2-19-74, Cl. 149-19.800.

Inoue, Kazuo: *See*—
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Inoue, Kiyoshi. Electrode for electrical machining. 3,814,892, 6-4-74, Cl. 219-69.00e.

Inoue, Kiyoshi, to IJR Inc. (Inoue-Japan Research Inc.). Method and apparatus for preparing dental cements and cavity-filling composition. 3,815,115, 6-4-74, Cl. 340-261.000.

Inoue, Kiyoshi. Apparatus for increasing the accuracy of electrochemical grinding process. 3,816,291, 6-11-74, Cl. 204-224.00m.

Inoue, Kiyoshi. Heat exchanger. 3,825,064, 7-23-74, Cl. 165-179.000.

Inoue, Kiyoshi; and Shimizu, Akihiko, to Inoue-Japax Research Inc. Apparatus for preparing a dental filling. 3,830,475, 8-20-74, Cl. 259-72.000.

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Inoue, Kiyoshi, to Inoue-Japax Research Inc. Water purification. 3,846,300, 11-5-74, Cl. 210-47.000.

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Rado, Andrei Gheorghe E., 3,799,446.
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Teodorescu, Constantin Gh.; Ceauselu, Constantin N.; and Vasilescu, Grigore Vlasie, 3,794,137.
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Haddad, Ihsan A.; and Krebs, William M., 3,847,777.
Haddad, Ihsan A., 3,855,100.
Zettler, John F.; and Lazar, Walter A., 3,789,662.
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Kay, Francis Xavier, 3,844,161.
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Baule, Gerhard M., 3,824,990.
Instytut Badan Jadrowych: *See—*
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Instytut Materialow Ogniotrwalych: *See—*
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Instytut Metalurgii Zelaza: *See—*
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Intech Corporation: *See—*
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Integrated Conversion Technology: *See—*
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Integrated Development and Manufacturing Company: *See—*
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Integrated Photomatrix Limited: *See—*
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Fry, Peter William, 3,790,812.
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Arikawa, Masayasu; Ohi, Atsushi; Arai, Toshio; Iochi, Akihiko; and Kada, Hironosuke, 3,832,522.

Ioffe, Benyamin Alexandrovich; Mikelson, Artur Eduardovich, and Kirko, Igor Mikhailovich. Method of orienting bodies in magnetic field and device for carrying same into effect. 3,854,110, 12-10-74, Cl. 335-302.000.

Ioffe, Felix Semenovich: *See—*
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Ioffe, Jury Konstantinovich: *See—*
Alexandrovich, Eduard-Gely Vitalievich; Belkin, Nikolai Vasilievich; Zelensky, Konstantin Fedorovich; Kanunov, Mikhail Alexeevich; Razin, Anatoly Alexandrovich; Tarasova, Ljudmila Viktorovna; Toropov, Anatoly Pavlovich; Troshkin, Ivan Andreevich; Khudyakov, Ljubov Nikolaevna; Tsukerman, Veniamin Aronovich; Dron, Ninel Alexeevna; Sloeva, Galina Nikolaevna; Ioffe, Jury Konstantinovich; and Vasiliev, Vasily Vasilievich, 3,821,580.

Iofina, Esfir Iliinichna: *See—*

Tsyganov, Vladimir Alexeevich; Namestnikova, Valentina Pavlovna; Antonova, Valentina Vasilievna; Iofina, Esfir Iliinichna; Malkov, Mark Abovich; Nyn, Vladimir Semenovich; Kuznetsova, Olga Alexandrovna; Malinovskaya, Galina Nikolaevna; Poluparneva, Galina Ptrovna; Anosova, Anastasia Mikhailovna; Pudakova, Tamara Kirillovna; Judina, Raisa Ivanovna; Yakovleva, Elena Pavlovna; and Morozov, Vladimir Mikhailovich, 3,802,998.

Iomec Corporation: *See—*
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Iomec, Inc.: *See—*
Heidecker, Robert F., 3,810,067.
Johnson, Albin Kenneth, 3,819,268.

Ion, John C.: *See—*
Perlman, Sheldon E.; and Ion, John C., 3,831,249.

Ionescu, Ligia: *See—*
Dogariu, Maria; Alupei, Georgeta; Verdes, Maria; Friedman, Gaby; Grumeza, Ecaterina; Cobzariu, Tudor; and Ionescu, Ligia, 3,798,127.

Ionescu, Mihai, to Institutul de Cercetari si Proiectari Pentru Industria Lemnului, Carrying frame for power saw. 3,823,474, 7-16-74, Cl. 30-383.000.

Ionescu, Vasile, to Institutul de Cercetari; I Proiectari Automatizari. Apparatus for the purification of air with a mercury vapor content. 3,817,713, 6-18-74, Cl. 23-284.000.

Ionic Industries Incorporated: *See—*
Wetzel, William R., 3,821,712.

Ionics, Incorporated: *See—*
Hodgdon, Russell B., Jr.; and Roach, Edward T., 3,787,339.
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Ionics, Incorporated, mesne: *See—*
Capuano, Italo A., 3,826,614.
Capuano, Italo A., 3,826,618.

Iorga, Dumitru C.: *See—*
Nastasi, Adrian Vasile; Zirna, Ion; Grigoriu, Ion Doru; Savu, Constantin L.; Stefanescu, Corneliu Nicolae; Iorga, Dumitru C.; Ghejan, Ion V.; Platon, Alexandru C.; Constantin, Flavia T.; Vilcu, Petru T.; Dumitrescu, Stelian GH.; and Bohiltea, Ion T., 3,793190.

Iorio, Amedeo, to SYN Cordion Musical Instruments Corporation. Reed accordion with programmable electronic organ sound. 3,833,750, 9-3-74, Cl. 84-1.010.

Iosue, Michael F.; and Sanders, Robert E., to Rogers Corporation. Bus strip. 3,829,818, 8-13-74, Cl. 339-19.000.

Iovine, Carmine P.: *See—*
Ray-Chaudhuri, Dilip K.; and Iovine, Carmine P., 3,810,939.
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Iowa Beef Processors, Inc.: *See—*
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Barbee, Wilford O., 3,810,277.

Iowa Beef Processors, Inc., mesne: *See—*
Anderson, A. D.; Lauridsen, Walter E.; and Overstreet, Charles L., 3,837,699.

Iowa Manufacturing Company: *See—*
Lillig, Floyd A.; and Spangler, Edward O., 3,845,906.
Schrimper, Vernon L., 3,829,032.

Iowa Mold Tooling Co., Inc.: *See—*
Zrostlik, Francis L.; and Collins, John J., 3,850,221.

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Buchele, Wesley F.; and Peters, Leo C., 3,794,198.
Buchele, Wesley F.; Peprah, Ignatius K.; and Mahmoud, Ali R., 3,817,256.
Buchele, Wesley F.; and Mahmoud, Ali R., 3,856,022.
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Hahn, Paul B.; Johnson, Dennis C.; Shanks, Howard R.; and Wechter, Margaret A., 3,856,634.
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Reinbold, George W.; and Hammond, Earl G., 3,798,340.
Stang, Elden J.; and Denisen, Ervin L., 3,838,559.
Van Ee, Gray R., 3,807,644.
Wallace, Leonard M., 3,828,334.
Wechter, Margaret A.; and Shanks, Howard R., 3,825,482.
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Iozzio, Phyllis, 20% to Lee, Raymond, Organization, Inc., The. Hand lotion dispensing device. 3,833,149, 9-3-74, Cl. 222-70.000.

IP Industria Chimica per l'Arredamento S.p.A.: *See—*
Spadolini, Pierluigi, 3,822,078.

IPC Services Limited: *See—*
Owen, David Gregory; Robinson, Alfred Henry; and Whalley, Norman, 3,828,319.

Ipco Hospital Supply Corporation, mesne: *See—*
Classe, Anthony V.; and Mehn, Robert P., 3,826,229.
Davis, Samuel R., Jr.; and Watson, Harry A., 3,829,350.

Ipekgil, Ayhan. Automatic control for venetian blind. 3,809,143, 5-7-74, Cl. 160-168.000.

Iplex Plastic Industries Pty., Ltd.: *See—*
Menzel, Otto C., 3,789,868.
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IPOS Gesellschaft fur integrierte Prothesen Entwicklung und orthopadietechnischen Service m.b.H. & Co., KG: *See—*
Prahl, Klaus, 3,851,337.

Ippen, Erich Peter: *See—*
Ashkin, Arthur; and Ippen, Erich Peter, 3,793,541.

Ippen, Heiko; and Preusker, Werner, to Arlac-Werk Heiko Ippen. Three-dimensional table game device with resiliently deformable spacer members. 3,806,124, 4-23-74, Cl. 273-130.0ac.

Ippolito, Anthony C.; McNerney, Roger J.; and Schwartz, Harold O., to Wurlitzer Company, The. Electronic musical synthesizer. 3,808,344, 4-30-74, Cl. 84-1.010.

Ippolito, Anthony C., to Wurlitzer Company, The. Electronic musical instrument circuit. 3,813,474, 5-28-74, Cl. 84-1.170.

Ippolito, Frank: *See—*
Duffy, Albert W.; and Ippolito, Frank, 3,797,356.

Ippolito, Oscar S. Bag closure. 3,856,062, 12-24-74, Cl. 150-3.000.

Ippoushi, Masahiko, to Kabushiki Kaisha Daini Seikosha. Day-and-date changing device for a wristwatch. 3,798,893, 3-26-74, Cl. 58-58.000.

Ipran-Institutul de Proiectari Pentru Industria Chimica Anorgonica si a Ingrasamintelor: *See—*
Dumitru, Ion D.; Grigoras, Victor A.; Turtureanu, Mircea Ioan T.; Stancio, Doina Ecaterina G.; and Anescu, Vasile V., 3,851,406.

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Limque, Ferdinand; and Bertand, Hans Josef, 3,801,079.
Limque, Ferdinand; Bertrand, Hans; and Bielefeldt, Irvin P., 3,820,766.
Schuster, Wilhelm; Hampel, Hans-Joachim; and Wittekind, Jurgen, 3,796,089.

Ipsen, William J., Jr. Portable camping equipment. 3,848,279, 11-19-74, Cl. 5-113.000.

IPT Corporation: *See—*
Greig, Alfred L., 3,834,815.

Iqbal, Abul F. M.: *See—*
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I.R.A., Incorporated: *See—*
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Irako, Koichi: *See—*
Ohnishi, Akira; Irako, Koichi; Yamamoto, Keisuke; Yokomizo, Yoshio; Odaka, Fumio; Kawagoe, Takahiro; Hayakawa, Yoshihiro; Aoki, Takao; Yamamoto, Akira; Kikuchi, Motoichi; and Sakata, Ryozo, 3,822,242.
Onishi, Akira; Irako, Koichi; Iseda, Yutaka; Hayakawa, Yoshihiro; Kawagoe, Takahiro; and Miyamoto, Shoji, 3,819,590.

Irani, Farhad A., to Du Pont de Nemours, E. I., and Company Process for the preparation of large particle silica sols. 3,789,009, 1-29-74, Cl. 252-313.00s.

Irani, Farhad Ardeshir, to Du Pont de Nemours, E. I., and Company. Preparation of silica sols of minimum turbidity. 3,839,221, 10-1-74, Cl. 252-313.00s.

Irani, Meherwan C., 1/2 to Buell, Eugene F. Method for recovery of elements and compounds from aqueous solutions. 3,849,535, 11-19-74, Cl. 423-140.000.

Irani, Nayyir F.: *See—*
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Babbitt, John M.; Spayd, Richard W.; and Irani, Nayyir F., 3,811,897.

Irani, Riyad R.; and Mitchell, Robert S., to Mansanto Company. Anhydrides of organo-phosphonic acids. 3,832,396, 8-27-74, Cl. 260-545.00p.

IRD Mechanalysis, Inc.: *See—*
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Ireco Chemicals. *See—*
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Ireco Industries, Inc.: *See—*
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Ireland, Donald T., to Cargill, Incorporated. Sodium chloride melt refining process. 3,840,651, 10-8-74, Cl. 423-499.000.

Ireland, Frank E. Absorption frequency meter having shielded inductor. 3,792,351, 2-12-74, Cl. 324-81.000.

Ireland, Roy D., Jr.: *See—*
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Irex Corporation: *See—*
Joeckel, Stanley V.; and Zuidema, Richard, 3,805,024.

Iribe, Seiki; Yamaguchi, Norihisa; and Kobayashi, Tukasa, to Teijin Limited. Method of weaving on water jet loom. 3,814,141, 6-4-74, Cl. 139-127.000.

Irick, Stephen C., to United States of America, National Aeronautics and Space Administration. Ejectable underwater sound source recovery assembly. 3,783,443, 1-1-74, Cl. 340-5.00r.

Irie, Hiroyuki: *See—*
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Irie, Hiroyuki; and Kitamura, Sadafumi, to Matsushita Electric Industrial Co., Ltd. Contactless switch. 3,806,739, 4-23-74, Cl. 307-252.00t.

Irie, Masanori, to Nippon Selfoc Kabushiki Kaisha. Process for producing a light-conducting structure. 3,819,782, 6-25-74, Cl. 264-49.000.

Irie, Masanori. Light-conducting structures and production thereof. 3,838,905, 10-1-74, Cl. 350-96.00r.

Irie, Namio: *See—*
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Irie, Nobuhiko, to Mitsubishi Jukogyo Kabushiki Kaisha. Mould assembly of tire vulcanizer. 3,852,006, 12-3-74, Cl. 425-47.000.

Irie, Tatsuhiko; Hara, Kazuhiko; and Kuroyanagi, Akihiro, to Matsushita Electric Works, Ltd. Electromagnetic counter. 3,845,899, 11-5-74, Cl. 235-92.00c.

Iriko, Fumio: *See—*
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Takeuchi, Setsuyuki; Ibe, Nobukuni; Iriko, Fumio; and Yuzawa, Yoshihiko, 3,850,562.

Irikura, Tsutomu; Kasuga, Kazunori; Hashizume, Taeko; Ohashi, Mitsuo; Yuge, Masuo; and Yamada, Michiko, to Kyorin Seiyaku Kabushiki Kaisha. Imidazo-pyridine derivatives. 3,790,586, 2-5-74, Cl. 260-296.00h.

Irikura, Tsutomu; Higo, Kyoichi; Maeda, Akitoshi; Morinaga, Fumihiko; Naruke, Takeshi; Fumihiko, Morinaga; and Takeshi, Naruke, to Kyorin Seyaku Kabushiki Kaisha. 2-Amino-4,6-diphenethylamino-s-triazine for treating arteriosclerosis. 3,816,629, 6-11-74, Cl 424-249.000.

Irikura, Tsutomu; Higo, Kyoichi; Maeda, Akitoshi; Morinaga, Fumihiko; and Naruke, Takeshi. 2-Amino-4,6-diphenethylamino-s-triazine as active serum cholesterol lowering agent. 3,821,378, 6-28-74, Cl. 424-249.000.

Irikura, Tsutomu; Hayashi, Masayuki; Koshirae, Kikuo; Kudo, Yoshitaka; Hatayama, Junji; and Hetsugi, Etsuko, to Kyorin Seiyaku Kabushiki Kaisha. 2-Alkyl-3-acyl-pyrazolo [1,5-A]pyridines. 3,850,941, 11-26-74, Cl. 260-295.00f.

Irish, Charles G., Jr.; Silva, Joseph W.; and Cowles, Raymond I. Electrical initiator. 3,795,195, 3-5-74, Cl. 102-38.000.

Irish, Charles G., Jr.; Silva, Joseph W.; and Owles, Raymond I. Electrical initiator. 3,799,055, 3-26-74, Cl. 102-100.000.

Irish, Charles G., Jr.; Silva, Joseph W.; and Cowles, Raymond I., to Olin Corporation. Electrical initiator. 3,815,507, 6-11-74, Cl. 102-103.000.

Irish, Edwin M., Jr., to Gilbreth International Corporation, mesne. Method of forming a closure cap having a heat shrinkable tubular element thereover. 3,844,861, 10-29-74, Cl. 156-69.000.

Irisova, Natalia Alexandrovna: *See—*
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Irissou, Pierre Regis Marie Henri, and Sarda, Pierre Jean Francois Jacques. Adjustable stepping drive for motion-picture film. 3,849,715, 11-19-74, Cl. 318-696.000.

Iritono, Yoshihisa; and Sakurai, Mitsuo, to Ogura Clutch Co., Ltd. Self-adjusting clutch or brake. 3,857,468, 12-31-74, Cl. 192-84.00c.

Iriuchijima, Makoto: *See—*
Suzuki, Hiroshi; Iriuchijima, Makoto; Nakamura, Koichi; and Yagi, Kazuharu, 3,814,724.

Irkfetz, Donald W.: *See—*
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IRL Daffin Associates, Incorporated: *See—*
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Kugle, John L.; and Futty, Robert C., 3,807,706.

Irlam, Philip Sidney: *See—*
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Irland, Frank W.: *See—*
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Irmscher, Klaus; Kramer, Josef; Cimbollek, Gerhard; Orth, Dieter; Nowak, Herbert; and Freisberg, Karl-Otto, to Merck Patent Gesellschaft mit beschrankter Haftung. 3-Aryl-benzazines. 3,829,421, 8-13-74, Cl. 260-244.00r.

Irmscher, Klaus; Freisberg, Karl-Otto; Orth, Dieter; Nowak, Herbert, and Simane, Zdenek, to Merck Patent Gesellschaft mit beschrankter Haftung. Water-soluble sterol sulfates. 3,836,527, 9-17-74, Cl. 260-239.55a.

Irnich, Werner; and Rosenbauer, Gerhard, 1/2 interest to Irnich, Werner, Dr. Pacemaker-electrode. 3,814,104, 6-4-74, Cl. 128-418.000.

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Irokawa, Hideo: *See—*
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Ironfield, Richard, to Amana Refrigeration, Inc. Waveguide filter for microwave heating apparatus. 3,819,900, 6-25-74, Cl. 219-10.550.

Ironfield, Richard, to Amana Refrigeration, Inc. Waveguide filter for microwave heating apparatus. 3,838,368, 9-24-74, Cl. 333-73.00w.

Irons, Duncan Kinloch: *See—*
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Irons, Henry R.: *See—*
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Irons, Stanton D.: *See—*
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Ironside, Donald S., to Biddle, James G., Company. Bridge having multiple nulls. 3,784,906, 1-8-74, Cl. 324-62.000.

Ironside, John Michael; Hodgson, Duncan Barry; Bertioli, Michael Murray; and Williams, Malcolm, to Lucas, Joseph, (Electrical) Limited. Process control apparatus. 3,814,913, 6-4-74, Cl. 235-151.100.

Ironside, John Michael; Hodgson, Duncan Barry; Cops, Michael Herbert; and Williams, Malcolm, to Lucas, Joseph, (Electrical) Limited. Process control apparatus. 3,824,574, 7-16-74, Cl. 340-213.00q.

Ironside, John Michael, to Lucas, Joseph, (Electrical) Limited. Engine control systems. 3,846,760, 11-5-74, Cl. 340-172.500.

Irrni, Meherwan C., 1/2 to Buell, Eugene F. Methods of treating silicious materials to form silicon carbide. 3,836,356, 9-17-74, Cl. 75-33.000.

Irsin, Robert P.; and Kwartiroff, Alexander, to Datadyne Corporation. Telephone line equalizer. 3,829,626, 8-13-74, Cl. 179-170.00r.

Irvin Air Chute Ltd.: *See—*
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Irvin Industries Inc.: *See—*
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Quinting, Rudi Franz; and Gavagan, James A., 3,806,678
Romanzi, Louis; and David, Robert Edward, 3,838,832.

Irvine, Alvin R., to United States of America, Atomic Energy Commission. Shipping cask neutron and heat shield. 3,851,179, 11-26-74, Cl. 250-506.000.

Irvine, Douglas S.: *See—*
Downey, Bruce R.; and Irvine, Douglas S., 3,832,469.

Irvine, Gerald D., to Scorpion, Inc. Suspension system. 3,800,897, 4-2-74, Cl. 180-5.00r.

Irvine, Owen R., to Canadian Patents and Development Limited. Continuous preparation of cheese. 3,822,361, 7-2-74, Cl. 426-491.000.

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Irvine, William M.: *See—*
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Irving, Donald W.: *See—*
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Irving, Edgar W., Jr., to GK Systems, Inc. Apparatus for the continuous filtration of thermoplastic or elastomeric materials used in extrusion processes. 3,825,121, 7-23-74, Cl. 210-132.000.

Irving, Gus M., Jr.: *See—*
Nunlist, Erwin J.; Pontes, Lionel J.; and Irving, Gus M., Jr., 3,857,336.

Irving Industries Inc.: *See—*
Bonn, Clifford; and Wilson, Kenneth R. A., 3,799,574.

Irving, John Anderson, to Findlay, Irvine Limited. Apparatus for providing an indication of the imminence of ice-formation. 3,782,130, 1-1-74, Cl. 62-128.000.

Irving, Seidman: *See—*

Josephson, Emanuel M., 3,793,839.

Irving, Stephen M.; and Lemons, Kyle E., to Signetics Corporation. Method for removing photoresist in manufacture of semiconductor devices. 3,837,856, 9-24-74, Cl. 96-36.200.

Irving Trust Company, mesne: *See—*
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Irwin, Carl Francis; and Wolfe, Harry Walter, Jr., to Du Pont de Nemours, E. I., and Company. Flexible polyurethane foam having improved compression set. 3,801,518, 4-2-74, Cl. 260-2.5at.

Irwin, Charles P., to Commercial Electronics, Inc. Gas analyzing apparatus. 3,826,577, 7-30-74, Cl. 356-201.000.

Irwin, Edgar L.: *See—*
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Irwin, James S.; and Morton, John R., to Motorola, Inc. Temperature compensated crystal oscillator. 3,821,665, 6-28-74, Cl. 331-116.00r.

Irwin, Jere F. Apparatus for matched-mold thermo-forming. 3,830,611, 8-20-74, Cl. 425-144.000.

Irwin, John W.: *See—*
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Devore, Ernest W.; and Irwin, John W., 3,800,281.
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Irwin, Malcolm F., to Pro-Tech, Inc. Liquid sampling. 3,788,145, 1-29-74, Cl. 73-421.00b.

Irwin, Michael G. Igniter. 3,801,260, 4-2-74, Cl. 431-128.000.

Irwin, Samuel N.; Apple, John M.; and Shah, Harshad B., to Sycor, Inc. Data-entry clock means and method of implementing same. 3,803,632, 4-9-74, Cl. 346-74.00m.

Irwin, Waverly G.; and Taube, Otto H., said Taube assor. to said Waverly, Irwin G. Concrete finishing float. 3,798,701, 3-26-74, Cl. 15-235.800.

Irwin-Childs, Francis. Panel connectors for reinforced concrete diaphrahm walls. 3,798,914, 3-26-74, Cl. 61-35.000.

IS Incorporated Systems Company: *See—*
Meckler, Gershon, 3,841,206.

Isaac, Donald, Jr.; and Bishop, Clifford F., to Square D Company. Handle extension assembly for a molded case electric circuit breaker. 3,821,532, 6-28-74, Cl. 200-330.000.

Isaac, Donald M. Chess type game with changeable board indicia. 3,844,563, 10-29-74, Cl. 273-131.00b.

Isaacs, Harold. Self-supporting nesting cart. 3,782,746, 1-1-74, Cl. 280-33.99h.

Isaacs, Philip K.; and Paton, Alexander C., to Grace, W. R., & Co. Vinyl acetate-alpha olefin coating compositions. 3,857,806, 12-31-74, Cl. 260-29.60r.

Isaacs, Roger, to Avant-Guard Devices, Inc. Wireless alarm system. 3,795,896, 3-5-74, Cl. 340-171.00r.

Isaacson, Calvin M: *See—*
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Newton, Emerson H.; Ketteringham, John M.; Sienczyk, John L.; and Isaacson, Calvin M., 3,785,950.

Isaacson, Leland H. Urethra magnetic valve structure. 3,812,841, 5-28-74, Cl. 128-1.00r.

Isaacson, Louis; and Herrin, Richard, to Woodingham Investment Company, mesne. Aquarium circulating apparatus. 3,816,026, 6-11-74, Cl. 417-90.000.

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Isaacson, Manfred A., to General Motors Corporation. Dampened shock absorbing bumper. 3,788,626, 1-29-74, Cl. 267-9.00c.

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Ishihara, Teruo: *See*—
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Ishii, Hideto; and Konishi, Hideki, to Nissan Motor Company, Limited. Rotary internal combustion engine. 3,805,746, 4-23-74, Cl. 123-8.130.

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Ishii, Hiroshi, to Nichicon Capacitor Limited. Explosion proof structure for electrolytic capacitor. 3,852,647, 12-3-74, Cl. 317-230.000.

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Ishii, Kenichi: *See*—
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Ishii, Kiyoshi; Konomi, Syobu; and Ishiouro, Yoshio, to Daicel Ltd. Membrane separation process. 3,804,754, 4-16-74, Cl. 210-23.000.

Ishii, Kiyoshi; Kojima, Katumi; and Ishikawa, Kazuo, to Darcel Ltd. Process for preparing semipermeable membranes. 3,804,932, 4-16-74, Cl. 264-49.000.

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Ito, Shinya, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Device for detecting and indicating a difference in hydraulic pressure. 3,810,142, 5-7-74, Cl. 340-242.000.
Ito, Shinya, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Automatic reset hydraulic switch. 3,811,021, 5-14-74, Cl. 200-82.00d.
Ito, Shoichi: *See*—
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Ito, Shoji; Okamoto, Mitsuhiro; and Hasegawa, Katsumi, to Toray Industries, Inc. Method for winding a plural number of yarns and an apparatus therefor. 3,782,648, 1-1-74, Cl. 242-35.50r.
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Ito, Yoichiro *See*—

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Ito, Yoichiro; and Bosman, Robert L., to United States of America, Health, Education and Welfare. Elution centrifuge-apparatus and method. 3,856,669, 12-24-74, Cl. 210-31.00c.
Ito, Yoji: *See—*
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Ito, Yoshiteru; and Sonoda, Minoru, to Fuji Photo Film Co., Ltd. Processing photographic materials. 3,844,786, 10-29-74, Cl. 96-35.100.
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Itoh, Takayuki, to Takachiho Koeki Kabushiki Kaisha. Random-access memory device using sequential-access memories. 3,789,366, 1-29-74, Cl. 340-172.500.
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Itoh, Yokichi; Sunami, Hideo; and Kamigaki, Yoshiaki, to Hitachi, Ltd. Charge-coupled semiconductor device provided with biasing charges. 3,852,801, 12-3-74, Cl. 357-24.000.
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Iyama, Sadaomi; and Uchida, Yasuo, to Konishiroku Photo Industry Co., Ltd. Exposure time control device for use in cameras. 3,843,248, 10-22-74, Cl. 354-32.000.
Iyengar, Madhur Srinivas: *See—*
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Iyengar, Rama; and Zuber, Bretislav Paul, to Northern Electric Company Limited. Method of and apparatus for applying insulating discs to conductors. 3,789,480, 2-5-74, Cl. 29-203.00c.
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Izara, Akio: *See—*
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Izawa, Minoru, to Kabushiki Kaisha Seikosha. Electronic time-keeping apparatus. 3,798,428, 3-19-74, Cl. 235-168.000.
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Izuta, Tadao, to Nippon Gakki Seizo Kabushiki Kaisha. Combination of archery bow with single or plural stabilizers. 3,804,072, 4-16-74, Cl. 124-24.00r.
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Jablonski, Edward R., to McGraw-Edison Company. Arrangement for achieving holding engagement with the inside of a pipe or stem. 3,794,826, 2-26-74, Cl. 240-54.000.
Jablonski, Raymond C. Arm propelled cycle. 3,854,754, 12-17-74, Cl. 280-242.00r.
Jablonski, Richard B.; Kotla, John J.; and Martone, Somerville, to International Business Machines Corporation. Pressure sensitive recording system and method of providing a split image therefor. 3,839,070, 10-1-74, Cl. 117-36.200.
Jablonski, Richard B.; and Martone, James F., to International Business Machines Corporation. Pressure-sensitive carbonless transfer sheet and method for providing a chemically formed image on an untreated substrate. 3,856,554, 12-24-74, Cl. 117-36.800.
Jablonski, Zygmunt: *See—*
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Jablonsky, Erich, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Steering mechanism. 3,824,905, 7-23-74, Cl. 92-136.000.
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Jabsen, Felix S., to Babcock & Wilcox Company, The. Pressurized water nuclear reactor with upper and lower core support and positioning means. 3,821,079, 6-28-74, Cl. 176-61.000.
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Jaccard, Roland; Hostettler, Paul; and Siegrist, Rudolf, to Ciba-Geigy AG. Apparatus for producing solids polymers by liquid transformation. 3,819,332, 6-25-74, Cl. 236-260.000.
Jachertz, Dietrer. Process for the enzymatic reproduction of informationally active RNA. 3,785,926, 1-15-74, Cl. 195-28.00n.
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Jachimowicz, Ludwik; and Olszewski, Jerzy Adam, to General Cable Corporation. "D." Internal shield in telephone cables. 3,803,340, 4-9-74, Cl. 174-36.000.
Jachimowicz, Ludwik; and Olszewski, Jerzy A., to General Cable Corporation. Method and apparatus for manufacturing fused watertight disc coaxial cable. 3,807,031, 4-30-74, Cl. 29-471.300.
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Jack, Charles L. Foot binding mechanism. 3,839,758, 10-8-74, Cl. 9-310.0aa.
Jack, David; Hartley, David; Henry, Lawrence; and Lunts, Charles, to Allen & Hanburys Limited. 5-E2-[(1-Methyl-3-phenylpropyl) amino]ethyl salicylamide hydrochloride. 3,803,230, 4-9-74, Cl. 260-559.00s.
Jack, David; and Glover, Ernest Edward, to Allen & Hansburys Limited. Pharmaceutical compositions containing 1,1-azo bis-(1H-imidazo (1,2a) pyridinium dibromide compounds and the use thereof. 3,849,557, 11-19-74, Cl. 424-226.000.
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Jacke, Stanley E.; and Jugler, John, to Branson Instruments Incorporated. Ultrasonic apparatus. 3,790,059, 2-5-74, Cl. 228-1.000.
Jackes, Arthur M. Air-cushion vehicle edge skirt arrangement. 3,805,913, 4-23-74, Cl. 180-128.000.
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Jackman, Richard L. Boat propulsion means. 3,845,733, 11-5-74, Cl. 115-28.00r.
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Jackson, Barry: *See*—
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Jackson, Billy G., to Lilly, Eli, and Company. Ester cleavage process. 3,799,924, 3-26-74, Cl. 260-243.00c.

Jackson, Billy G., to Lilly, Eli, and Company. Cleavage of 7-acylamido cephalosporins. 3,814,754, 6-4-74, Cl. 260-243.00c.

Jackson, Billy G.; Stamper, Martha C.; and Bottorff, Edmond M., to Lilly, Eli, and Company. Cephalosporin C derivatives. 3,843,642, 10-22-74, Cl. 260-243.00c.

Jackson, Billy G.; Stamper, Martha C.; and Bottorff, Edmond M., to Lilly, Eli, and Company. Cephalosporin C isolation process. 3,853,863, 12-10-74, Cl. 260-243.00c.

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Jackson, Byron, Inc.: *See*—
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Jackson, Clifford E. Demonstration filter liquid control circuit. 3,839,203, 10-1-74, Cl. 210-104.000.

Jackson Communication Corporation: *See*—
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Jackson, Daniel B., to Parker-Hannifin Corporation. Rotary shaft seal. 3,801,113, 4-2-74, Cl. 277-134.000.

Jackson, David A.: *See*—
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Jackson, Edward J.; and Linfield, Robert F., to Westinghouse Electric Corporation. Automatic identification and synchronization circuit. 3,796,957, 3-12-74, Cl. 325-58.000.

Jackson, Edward L. Process and apparatus for reclamation of abrasive grit. 3,802,916, 4-9-74, Cl. 134-10.000.

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Jackson, G. C., Jr., to Dresser Industries, Inc. Earth boring bit bearing system having a pitted bearing surface. 3,784,264, 1-8-74, Cl. 308-8.200.

Jackson, G. C., Jr., to Dresser Industries, Inc. Method of making an earth boring bit bearing system having a pitted bearing surface. 3,839,774, 10-8-74, Cl. 29-149.50r.

Jackson, Geoffrey N.; Pickard, Robert G.; Brackley, Graham; and Satchell, David W., to E.R.A. Patents Limited. Sputtering apparatus. 3,849,283, 11-19-74, Cl. 204-298.000.

Jackson, George Emmerd. Telephone bracket. 3,802,657, 4-9-74, Cl. 248-214.000.

Jackson, George Robert. Method for anchoring a drilling rig in permafrost. 3,825,077, 7-23-74, Cl. 175-57.000.

Jackson, George Wilburt: *See*—
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Jackson, Gordon Frederick William, to C.A.V. Limited. Liquid fuel pumping apparatus. 3,811,799, 5-21-74, Cl. 417-221.000.

Jackson, Harold W.: *See*—
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Jackson, Herman Roy. Drycleaning compositions. 3,835,036, 9-10-74, Cl. 208-249.000.

Jackson, Hewy E.; and Myers, Howard B., to Servco Company, The; division of Smith International Inc. Hard-facing article. 3,790,353, 2-5-74, Cl. 29-182.700.

Jackson, Ivan, to Squibb, E. R., & Sons, Inc. Topical steroid compositions. 3,856,954, 12-24-74, Cl. 424-241.000.

Jackson, Jack M.; and Hartfiel, Arlynn H., to Chemical Additives Company. Methods for minimizing fluid loss of wellbore fluids. 3,785,438, 1-15-74, Cl. 166-295.000.

Jackson, Jack M. Closed circuit method of circulating a substantially solid free drilling fluid. 3,844,361, 10-29-74, Cl. 175-66.000.

Jackson, Jack M. Clay free aqueous drilling fluid. 3,852,201, 12-3-74, Cl. 252-8.50a.

Jackson, James D.: *See*—
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Jackson, James Edward, to Deere & Company. Fuel sediment bowl assembly. 3,809,244, 5-7-74, Cl. 210-136.000.

Jackson, James S., to Caterpillar Tractor Company. Rack and pinion swing actuator for a backhoe. 3,803,925, 4-16-74, Cl. 74-89.170.

Jackson, Jerry L., to Gunkel, Walter A. Time base measurement circuit. 3,783,679, 1-8-74, Cl. 73-67.700.

Jackson, John; and Bradshaw, Robert Fagan Donat, to U.S. Philips Corporation. Methods and apparatus for determining the relative amount of substance present in a transparent medium. 3,784,307, 1-8-74, Cl. 356-51.000.

Jackson, John A.: *See*—
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Jackson, John L.; and Steinwinder, John E., to Baker Oil Tools, Inc. Tubing injector and stuffing box construction. 3,827,487, 8-6-74, Cl. 166-77.000.

Jackson, John M., to Armco Steel Corporation. Cube-on-edge oriented silicon-iron having improved magnetic properties and method for making same. 3,785,882, 1-15-74, Cl. 148-113.000.

Jackson, John MacKenzie: *See*—
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Jackson, John Maxwell, to Chromax Limited. Take off and stacker for container printing machine. 3,834,522, 9-10-74, Cl. 198-210.000.

Jackson, Julian H.: *See*—
Wells, Wayne W.; Christie, James R.; and Jackson, Julian H., 3,820,976.

Jackson, Julius, to Du Pont de Nemours, E. I., and Company. Silica encapsulated lead chromate pigment of the primrose yellow shade. 3,798,045, 3-19-74, Cl. 106-298.000.

Jackson, Julius, to Du Pont de Nemours, E. I., and Company. Production of phthalocyanine pigment. 3,801,591, 4-2-74, Cl. 260-314.500.

Jackson, Julius, to Du Pont de Nemours, E. I., and Company. Nacreous pigments treated with methacrylatochromic chloride for improved humidity resistance. 3,832,208, 8-27-74, Cl. 106-308.00q.

Jackson, Keith L., to General Steel Industries, Inc. Pneumatic railway center bearing. 3,789,771, 2-5-74, Cl. 105-199.00c.

Jackson, Keith L., to General Steel Industries, Inc. Railway truck supporting third rail collection equipment. 3,799,065, 3-26-74, Cl. 105-182.00e.

Jackson, Keith L., to General Steel Industries, Inc. Resilient railway truck suspension. 3,799,066, 3-26-74, Cl. 105-182.00r.

Jackson, Kenneth G. Method of repairing worn valve guide apertures. 3,802,055, 4-9-74, Cl. 29-401.000.

Jackson, Kenneth R. Apparatus for cleaning engines. 3,797,507, 3-19-74, Cl. 134-102.000.

Jackson, Leland B.; and Bertrand, John, to Rockland Systems Corporation. System using adaptive filter for determining characteristics of an input. 3,808,370, 4-30-74, Cl. 179-1.0sa.

Jackson, Leland B., to Rockland Systems Corporation. Apparatus and method for serial-parallel binary multiplication. 3,816,732, 6-11-74, Cl. 235-156.000.

Jackson, Michael Vivian, to Farmhand (U.K.) Ltd. Tipper vehicles. 3,833,263, 9-3-74, Cl. 298-5.000.

Jackson, Norman: *See*—
Lane, Edward Sydney; and Jackson, Norman, 3,804,772.

Jackson, Norman G. Mansard roof structure. 3,797,179, 3-19-74, Cl. 52-90.000.

Jackson, Norman W.: *See*—
Molins, Desmond Walter; Labbe, Francis A. M.; Preston, Edward G.; and Jackson, Norman W., 3,854,487.

Jackson, Norman Walter, to Molins Limited. Reel Mountings. 3,851,833, 12-3-74, Cl. 242-68.300.

Jackson, Obie R.; Olson, George R.; and Putney, Robert B., to Ashland Oil, Inc. Apparatus for backing tufted carpet. 3,810,807, 5-14-74, Cl. 156-381.000.

Jackson, Obie R., to B & J Machinery Company, Inc. Narrow gauge tufting machine. 3,850,120, 11-26-74, Cl. 112-79.00r.

Jackson, Patrick T. Sail furling. 3,835,804, 9-17-74, Cl. 114-107.000.

Jackson, Paul L., to Ford Motor Company. Device for determining the activity of oxygen in molten metal. 3,784,459, 1-8-74, Cl. 204-195.00s.

Jackson, Paul L., to Ford Motor Company. Slag depth indicator. 3,850,416, 11-26-74, Cl. 266-1.00r.

Jackson, Per Olof: *See*—
Ekstrom, Ake; Jackson, Per Olof; and Jansson, Lenhart, 3,835,365.

Jackson, Peter Frederick; and Morris, Arthur, to Imperial Chemical Industries Limited. Process for the preparation of aromatic polyesters. 3,847,873, 11-12-74, Cl. 260-75.00r.

Jackson, Peter Frederick; and Reid, James Angus Wilson, to Imperial Chemical Industries Limited. Polyesters. 3,849,380, 11-19-74, Cl. 260-75.00r.

Jackson, Philip C.: *See*—
Ehling, Ernest H.; Jackson, Philip C.; and McCarthy, James V., 3,854,125.

Jackson, Philip Elmo: *See*—
Moore, James Melvin; Newell, William Gilbert; Hampton, Anthony Everette; and Jackson, Philip Elmo, 3,815,179.

Jackson, Ralph Eugene, to McGraw-Edison Company. Ironer canopy. 3,844,063, 10-29-74, Cl. 49-115.000.

Jackson, Ralph W.: *See*—
Pettrie, Harry L.; and Jackson, Ralph W., 3,830,534.

Jackson, Richard H.: *See*—
Warner, Dale J.; and Jackson, Richard H., 3,806,136.

Jackson, Richard L., to Jackson Communication Corporation. Method of stringing aerial cable. 3,814,383, 6-4-74, Cl. 254-134.3cl.

Jackson, Richard L., to Jackson Communication Corporation. Cable bender. 3,824,835, 7-23-74, Cl. 72-389.000.

Jackson, Richard L., to Jackson Communication Corporation. Winch system. 3,829,064, 8-13-74, Cl. 254-166.000.

Jackson, Richard L., to Jackson Communication Corporation. Aerial blocks. 3,834,674, 9-10-74, Cl. 254-190.00r.

Jackson, Richard L., to Jackson Communication Corporation. Multi-sheave aerial block. 3,853,304, 12-10-74, Cl. 254-193.000.

Jackson, Richard L., to Jackson Communication Corporation. Apparatus for forming variable length cable offsets. 3,855,838, 12-24-74, Cl. 72-389.000.

Jackson, Richard L. Pool skimmer net. 3,856,679, 12-24-74, Cl 210-169.000.

Jackson, Richard L., to Lilly, Eli, and Company. Process for manufacturing alkali metal or ammonium insulin. 3,856,771, 12-24-74, Cl. 260-112.700.

Jackson, Richard R. Endotracheal tube with liquid fillable cuff. 3,854,484, 12-17-74, Cl. 128-351.000.

Jackson, Richard S., to Roll-O-Sheets, Incorporated. Apparatus for perforating a web of flexible film. 3,847,047, 11-12-74, Cl. 83-344.000.

Jackson, Robert B. Fence post support. 3,809,346, 5-7-74, Cl. 248-44.000.

Jackson, Robert G., to Conch International Methane Limited. Integrated tank containers for the bulk storage of liquids. 3,800,970, 4-2-74, Cl. 220-9.olg.

Jackson, Robert G., to Conch International Methane Limited. Containers for liquefied gases. 3,830,396, 8-20-74, Cl 220-9.01g.

Jackson, Robert L.: *See*—
Tate, John L.; and Jackson, Robert L., 3,793,692.

Jackson, Robert V., to McCulloch Corporation. Welding control circuit and method. 3,789,229, 1-29-74, Cl. 290-40.000.

Jackson, Ronnie Devell, to Lion Fat & Oil Co., Ltd. Process for producing sodium hydrosulfide solutions. 3,839,548, 10-1-74, Cl. 423-560.000.

Jackson, Spicer C., to United States of America, Navy. Mosquito trap. 3,796,001, 3-12-74, Cl. 43-113.000.

Jackson, Walter D. Vocabulary game device. 3,804,419, 4-16-74, Cl. 273-142.0ha.

Jackson, Walter G. Ultrasonic carburetion enchancer. 3,857,375, 12-31-74, Cl. 123-141.000.

Jackson, Weldon H.; and Lamy, John C., to Hewlett-Packard Company. Blocking capacitor for a thin-film RF transmission line. 3,784,937, 1-8-74, Cl. 333-84.00m.

Jackson, Wilbur C.; and Beck, William P., to Sunbeam Corporation. Electric dry shaver with inclined shaving head. 3,791,030, 2-12-74, Cl. 30-43.900.

Jackson, Wilbur F.: *See*—
Jess, Thurman S.; and Jackson, Wilbur F., 3,816,910.
Jess, Thurman S.; and Jackson, Wilbur F., 3,825,868.
Mitts, Richard K.; Jackson, Wilbur F.; and Willson, James R., 3,823,345.

Jackson, William B. Portable knockdown oven. 3,812,836, 5-28-74, Cl. 126-9.00r.

Jackson, William B., to Mobil Oil Corporation. High-protection egg carton cellular configuration. 3,817,441, 6-18-74, Cl. 229-2.500.

Jackson, William B. Oven enclosure for a grill. 3,845,753, 11-5-74, Cl. 126-9.00r.

Jackson, William C.: *See*—
Finger, John F.; Jackson, William C., and Pochop, Merle E., 3,838,247.

Jackson, William E.; and Becker, James M. Moment monitoring system for hydraulic-piston type cranes. 3,841,493, 10-15-74, Cl. 212-39.000.

Jackson, William F.: *See*—
Long, Larry K.; Knight, Thomas C.; and Jackson, William F., 3,837,635.

Jackson, William M. Steering unit for marine craft. 3,850,132, 11-26-74, Cl. 115-12.00r.

Jackson, William Wayne: *See*—
Hook, Richard Wayne; and Jackson, William Wayne, 3,809,164.

Jackson, Winston J., Jr.: *See*—
Grant, Peter M.; Taylor, Robert B.; and Jackson, Winston J., Jr., 3,842,021.
Kuhfuss, Herbert F.; and Jackson, Winston J., Jr., 3,804,805.
Musser, Harry R.; and Jackson, Winston J., Jr., 3,809,681.

Jackson, Winston J., Jr.; and Darnell, William R., to Eastman Kodak Company. Hot melt adhesive composition. 3,795,644, 3-5-74, Cl. 260-22.00d.

Jacob, Adir, to LFE Corporation. Process and material for manufacturing semiconductor devices. 3,795,557, 3-5-74, Cl. 156-8.000.

Jacob, Adir, to LFE Corporation. Process for use in the manufacture of semiconductive devices. 3,806,365, 4-23-74, Cl. 134-1.000.

Jacob, Bernarr A.: *See*—
Galasso, Francis S.; and Jacob, Bernarr A., 3,811,920.

Jacob, Ezekiel J. Disposable diaper with semielastic strip fasteners 3,800,796, 4-2-74, Cl. 128-284.000.

Jacob, Gernot, to Swiss Aluminium Ltd. Sacrificial anode. 3,809,640, 5-7-74, Cl. 204-197.000.

Jacob, Guy Michel: *See*—
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Jacob, Helmut: *See*—
Winter, Hermann; Smolinski, Manfred; Wolf, Hans-George; Roll, Harry; Hoffmann, Kurt; and Jacob, Helmut, 3,805,869.

Jacob, Hermann. Regenerating of casting sand. 3,857,201, 12-31-74, Cl. 51-8.00r.

Jacob, Ingolf; Buttner, Gert; and Heinrich, Karl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Equipment for the continuous crimp development of three-dimensionally crimped synthetic fibers and filaments. 3,785,017, 1-15-74, Cl 28-1.200.

Jacob, Jean-Baptiste; Renoulin, Roger; and Guezou, Jean, to Societe Lannionnaise d'Electronique and Compagnie Industrielle des Telecommunications. Synchronizing unit. 3,794,773, 2-26-74, Cl 179-15.0bs.

Jacob, Stanley W.: *See*—
Herschler, Robert J.; and Jacob, Stanley W., 3,790,682.

Jacobaeus, Anton Christian, to Telefonaktiebolaget L M Ericsson. Method for increasing in a signal with a given band width the amount of information transferred per time unit 3,851,106, 11-26-74, Cl. 179-15.0ap.

Jacobellis, Alphonse A., to Greer Hydraulics, Inc. Rotary actuator 3,783,746, 1-8-74, Cl. 92-121.000.

Jacobellis, Alphonse A., to Greer Hydraulics, Inc. Rotary actuator. 3,839,945, 10-8-74, Cl. 92-90.000.

Jacobi, Arno M., Sr., to Jacobi, Walter, & Sons, Inc. Stackable chair kneeler. 3,856,352, 12-24-74, Cl 297-425.000

Jacobi, Ernst: *See*—
Schneider, Gerhart; Lust, Sigmund; Niethammer, Konrad; Jacobi, Ernst; Erdmann, Dietrich; and Mohr, Gunther, 3,830,643.
Schneider, Gerhart; Lust, Sigmund; Niethammer, Konrad, Jacobi, Ernst; Erdmann, Dietrich; and Mohr, Gunther, 3,843,714.

Jacobi, Jacob, to Sly-Mark Enterprises. Fishing float device 3,800,461, 4-2-74, Cl. 43-44.880.

Jacobi, John A.; and Sedlar, Anthony E., to Wickes Corporation, The. Orbital crankshaft lathe mechanism and methods of machining. 3,832,919, 9-3-74, Cl. 82-1.00c.

Jacobi, Walter, & Sons, Inc.: *See*—
Jacobi, Arno M., Sr., 3,856,352.

Jacobi, William I., to Schjeldahl, G. T., Company Moveable heat sealing apparatus. 3,804,697, 4-16-74, Cl. 156-582.000.

Jacobowsky, Armin: *See*—
Rechmeirt, Gerhard; Jacobowsky, Armin; and Wirtz, Peter, 3,843,736.

Jacobs, Alan M.; and Kenney, Edward S., to Research Corporation. Enhancement and control of radiation beams by vibrating media. 3,832,562, 8-27-74, Cl. 250-503.000.

Jacobs, Alexander J. Portable pool cleaner. 3,797,508, 3-19-74, Cl. 134-167.00r.

Jacobs, Allan: *See—*
Afifi, Mostafa S.; and Jacobs, Allan, 3,832,715.

Jacobs, Allen D.; and Jacobs, Robert V., to Questor Corporation. Apparatus for automatically collapsing and erecting seat back of baby stroller. 3,822,072, 7-2-74, Cl. 280-36.00b.

Jacobs, Arthur F., to Prudential Lighting Corporation. Multiple detent retaining clip. 3,816,880, 6-18-74, Cl. 24-73.00b.

Jacobs, Arthur W. Injection molding machine. 3,810,728, 5-14-74, Cl. 425-244.000.

Jacobs Associates: *See—*
Williamson, Thomas N., 3,840,079.

Jacobs, Bernardus Antonius; and Kramer, Pieter, to U.S. Philips Corporation. Apparatus for aligning a mask with respect to a semiconductor substrate. 3,811,779, 5-21-74, Cl. 356-172.000.

Jacobs, Christopher A. Capacitive discharge ignition system having inductor in parallel with ignition coil. 3,827,418, 8-6-74, Cl. 123-148.0cd.

Jacobs, Christopher A. Capacitive discharge ignition system having protective diode network. 3,831,569, 8-27-74, Cl. 123-148.00r.

Jacobs, Christopher A. Capacitive discharge ignition system having variable capacitance. 3,855,984, 12-24-74, Cl. 123-148.00e.

Jacobs, Cornelis Adrianus Joannes: *See—*
Beyer, Louis Benjamin; Cornelissen, Gerardus Antonius Petrus Maria; Driessen, Antonius Jozephus Gerardus Cornelis; Jacobs, Cornelis Adrianus Joannes; and Siebers, Gerardus Henricus Maria, 3,842,304.

Jacobs, Danford S., to M & T Chemicals Inc. Novel halophosphazine compounds. 3,819,809, 6-25-74, Cl. 423-300.000.

Jacobs, David C., to Emerson Electric Co. Flow dividing means, particularly for thermal flowmeter. 3,805,610, 4-23-74, Cl. 73-202.000.

Jacobs, David F., to McGraw-Edison Company. Circuit breaker antipumping control system. 3,818,276, 6-18-74, Cl. 317-54.000.

Jacobs, David L. Bicycle seat. 3,807,793, 4-30-74, Cl. 297-214.000.

Jacobs, David R.: *See—*
Spanel, Abram N.; and Jacobs, David R., 3,824,939.

Jacobs, Eckart: *See—*
Siggel, Erhard; Meyer, Gerhard; Grotjahn, Heinz; Maegerlein, Helmut; Rupp, Hans-Dieter; Jacobs, Eckart; and Wallrabenstein, Michael, 3,839,244.

Jacobs, Edith Hope. Endocervical contraceptive device. 3,842,827, 10-22-74, Cl. 128-131.000.

Jacobs, F. L., Co.: *See—*
Blake, Jack W., 3,825,314.

Jacobs, Gerard O.: *See—*
Mortimer, Frans H.; Jacobs, Gerard O.; Decoene, Frans J. G. C.; Braet, August; and Rowland-Hill, Edward W., 3,848,609.

Jacobs, Gerard Octaaf; and Van Herpe, Francois, to Clayson N.V. Drive means for the rotors of axial flow type harvesting machines. 3,807,413, 4-30-74, Cl. 130-27.00t.

Jacobs, Gordon B.: *See—*
Fine, Martin; Glusick, Robert E.; and Jacobs, Gordon B., 3,840,293.

Jacobs, Gordon B., to General Electric Company. Apparatus for measuring vibration in a moving object. 3,782,176, 1-1-74, Cl. 73-71.300.

Jacobs, Harold J. Variable camber cleaner. 3,781,937, 1-1-74, Cl. 15-49.00r.

Jacobs, Harry Barry. Ventilating apparatus embodying selective volume or pressure operation and catheter means for use therewith. 3,794,026, 2-26-74, Cl. 128-145.800.

Jacobs, Harvey Barry. Weighted surgical clamp having foldable prop. 3,783,873, 1-8-74, Cl. 128-303.00r.

Jacobs, Harvey Barry. Distally perforated catheter for use in ventilating system. 3,788,326, 1-29-74, Cl. 128-305.000.

Jacobs, Harvey C., to Sperry Rand Corporation. Power transmission. 3,807,443, 4-30-74, Cl. 137-501.000.

Jacobs, Heinz, to Kleinewefers Industrie-Companie GmbH. Metallic recuperator and method of operating same. 3,797,558, 3-19-74, Cl. 165-1.000.

Jacobs, Hubert Hudson; and Jacobs, Virginia Michael. Milking system. 3,810,442, 5-14-74, Cl. 119-14.030.

Jacobs, Jacobus Hubertus: *See—*
Van Esdonk, Johannes; and Jacobs, Jacobus Hubertus, 3,842,308.
van Esdonk, Johannes; Jacobs, Jacobus Hubertus; Hornman, Johannes Petrus; and van de Laar, Wilhelmus Johannes, 3,843,427.

Jacobs, James W., to General Motors Corporation. Clutch device. 3,785,220, 1-15-74, Cl. 74-242.1fp.

Jacobs, James W., to General Motors Corporation. Rack apparatus to prevent tipping of a mobile dishwasher. 3,799,640, 3-26-74, Cl. 312-273.000.

Jacobs, James W., to General Motors Corporation. Vanes for rotary pumps and motors. 3,799,710, 3-26-74, Cl. 418-147.000.

Jacobs, James W., to General Motors Corporation. Unitary piston-suction valve assembly. 3,800,675, 4-2-74, Cl. 92-74.000.

Jacobs, James W., to General Motors Corporation. Automobile heating and air conditioning system. 3,802,490, 4-9-74, Cl. 165-23.000.

Jacobs, James W., to General Motors Corporation. Compressor with counterweight means. 3,806,284, 4-23-74, Cl. 417-534.000.

Jacobs, James W., to General Motors Corporation. Cantilever shelf assembly with pantography support arrangement for refrigerators. 3,814,492, 6-4-74, Cl. 312-273.000.

Jacobs, James W., to General Motors Corporation. Means for altering the effective displacement of an axial vane compressor. 3,819,309, 6-25-74, Cl. 418-219.000.

Jacobs, James W., to General Motors Corporation. Water heating system for a dishwasher. 3,847,666, 11-12-74, Cl. 134-57.00d.

Jacobs, James W., to General Motors Corporation. Potable dispenser apparatus for producing a carbonated beverage. 3,851,797, 12-3-74, Cl. 222-129.400.

Jacobs, James W., to General Motors Corporation. Fluid powered ultrasonic washing, rinsing, and drying system for a dishwasher. 3,854,998, 12-17-74, Cl. 134-191.000.

Jacobs, Jimmy L. Ball and cup game demonstrating properties of inertia. 3,810,623, 5-14-74, Cl. 273-101.000.

Jacobs, Joh., & Co.: *See—*
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Jacobs, Joh., & Company: *See—*
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Jacobs, John F.: *See—*
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Jacobs, John H.; Corrigan, Richard A.; and Gaynor, Josepah, to Bell & Howell Company. Photographic developing system and method. 3,826,653, 7-30-74, Cl. 96-50.00r.

Jacobs, John J. Apparatus for electrolytically treating articles. 3,853,733, 12-10-74, Cl. 204-203.000.

Jacobs, Joseph L.: *See—*
Biggs, William A., Jr.; and Jacobs, Joseph L., 3,851,838.

Jacobs, Justin M., Jr.: *See—*
Stafford, Neil S.; and Jacobs, Justin M., Jr., 3,817,184.

Jacobs, Justin M., Jr.; and Stafford, Neil S. Highly improved transportation system. 3,845,723, 11-5-74, Cl. 105-147.000.

Jacobs, Leland Harnden, to Tufdura Limited. Composite sheet capable of withstanding impingement by particulate materials. 3,857,751, 12-31-74, Cl. 161-89.000.

Jacobs, Leonard D.; and Bennett, Robert H., to Circle Milking, Inc. Rotating milking platform. 3,835,814, 9-17-74, Cl. 119-14.040.

Jacobs, Lester G. Carton. 3,850,363, 11-26-74, Cl. 229-51.00r.

Jacobs, Lewis G.: *See—*
Swicklik, Leonard J.; and Jacobs, Lewis G., 3,843,817.

Jacobs, Louis J.: *See—*
Klaudinyi, Bela; Fisher, Robert E.; and Jacobs, Louis J., 3,793,284.

Jacobs, Louis J.; Fisher, Robert E.; and Felice, Frank T., to Combustion Engineering, Inc. Insulating monolithic refractory. 3,793,042, 2-19-74, Cl. 106-68.000.

Jacobs, Louis John. Bonding and forming inorganic materials. 3,816,158, 6-11-74, Cl. 117-26.000.

Jacobs, Louis John, to Combustion Engineering, Inc. Densification of hard chrome plated surfaces. 3,849,206, 11-19-74, Cl. 148-6.200.

Jacobs, Louis John, to Combustion Engineering, Inc. Electric arc furnaces and refractory shapes therefor. 3,849,586, 11-19-74, Cl. 13-32.000.

Jacobs Manufacturing Company, Limited, The: *See—*
Derbyshire, George C., 3,811,693.
Derbyshire, George Cecil, 3,810,642.
Derbyshire, George Cecil, 3,853,495.

Jacobs Manufacturing Company, The: *See—*
Cartledge, Charles F., 3,809,033.
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Jacobs, Melvin A.; and Lee, David Q., to GTE Automatic Electric Laboratories Incorporated. Preference circuit for a marker. 3,786,197, 1-15-74, Cl. 179-18.0ed.

Jacobs, Melvin A.; and Woodward, John W., to GTE Automatic Electric Laboratories Incorporated. Subsystem data transfer in a telephone system. 3,789,150, 1-29-74, Cl. 179-18.0et.

Jacobs, Melvin A.; and Shiu, Michael H., to GTE Automatic Electric Laboratories, Incorporated. Continuity testing circuit for testing transmission paths. 3,808,381, 4-30-74, Cl. 179-175.30r.

Jacobs, Melvin A.; and Taugner, Jack W., to GTE Automatic Electric Laboratories, Incorporated. Automatic distribution of subscriber assistance calls. 3,809,823, 5-7-74, Cl. 179-27.00d.

Jacobs, Melvin A., to GTE Automatic Electric Laboratories, Incorporated. Arrangement and method for detecting faults in a switching network. 3,825,701, 7-23-74, Cl. 179-175.230.

Jacobs, Norman H.; and Susor, William C., to Reliance Electric Company. Monitor for moving vehicles. 3,825,734, 7-23-74, Cl. 235-151.330.

Jacobs, Orville W., to East Dayton Tool & Die Company, The. Method of pulley manufacture. 3,851,366, 12-3-74, Cl. 29-159.00r.

Jacobs, Peggy S. Artificial eyelashes. 3,833,007, 9-3-74, Cl. 132-53.000.

Jacobs, Philip M.: *See—*
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Jacobs, Ralph R.: *See—*

Lempicki, Alexander; Jacobs, Ralph R.; and Samelson, Harold, 3,805,187.

Jacobs, Richard L.: *See—*
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Schlaudecker, George F.; and Jacobs, Richard L., 3,828,042.

Jacobs, Richard L., to Sherwin-Williams Company, The. Production of trifluoromethylnitrophenols and related compounds. 3,813,446, 5-28-74, Cl. 260-622.00r.

Jacobs, Richard L., to Sherwin-Williams Company, The. Method of controlling plant growth 3-substituted lumazines. 3,847,589, 11-12-74, Cl. 71-92.000.

Jacobs, Robert B.: *See—*
Cropper, Wendell P.; Kapff, Staxt Frederick; and Jacobs, Robert B., 3,794,913.

Jacobs, Robert V.: *See—*
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Jacobs, Stanley C., to Aluminum Company of America. Refractory for production of aluminum by electrolysis of aluminum chloride. 3,785,941, 1-15-74, Cl. 204-67.000.

Jacobs, Stanley C., to Aluminum Company of America. Fluid sheathed electrode load for use in a corrosive environment. 3,809,794, 5-7-74, Cl. 174-11.0bh.

Jacobs, Stanley C., to Aluminum Company of America. Protected electrode lead for use in a corrosive environment. 3,838,384, 9-24-74, Cl. 339-112.001.

Jacobs, Stanley C.; Jarrett, Noel; and Graham, Robert W., to Aluminum Company of America. Alumina reduction process. 3,852,173, 12-3-74, Cl. 204-67.000.

Jacobs, Thomas A., to Tideland Signal Corporation. Navigational light system. 3,810,150, 5-7-74, Cl. 340-340.000.

Jacobs, Thomas A., to Tideland Signal Corporation. Navigational light system. 3,855,586, 12-17-74, Cl. 340-251.000.

Jacobs, Thomas A., to Tideland Signal Corporation. Navigational light system. 3,855,587, 12-17-74, Cl. 340-251.000.

Jacobs, Virginia Michael: *See—*
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Jacobs, William B.: *See—*
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Jacobs, William R.: *See—*
Mercola, Peter A.; and Jacobs, William R., 3,787,777.

Jacobsen, Andreas Christian, to Haldor Frederik Axel Topsoe. Hydrodesulphurization process. 3,841,996, 10-15-74, Cl. 208-112.000.

Jacobsen, Bjarne Hamilton, to Astra-Sjuco; a division under Astra-Gruppen A/S. Vein stripping surgical instrument. 3,788,325, 1-29-74, Cl. 128-303.00r.

Jacobsen, Karl Olav. Apparatus for manufacturing large, bonded panel elements such as wall elements for housing construction. 3,811,982, 5-21-74, Cl. 156-382.000.

Jacobsen, Lawrence E. Tin can folder. 3,853,054, 12-10-74, Cl. 100-233.000.

Jacobsen Manufacturing Company: *See—*
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Jacobsen, Robert K. Plastic box. 3,842,974, 10-22-74, Cl. 206-45.340.

Jacobson, Arthur F.: *See—*
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Jacobson, Sidney I.; Jacobson, Harold D.; and Jacobson, Arthur F., 3,830,415.

Jacobson, Arthur J.; and Huey, Gilbert J., to United States of America, Navy. Signal processing apparatus including doppler dispersion correction means. 3,798,590, 3-19-74, Cl. 340-3.00r.

Jacobson, Charles F.: *See—*
Crowther, Ted J.; Jacobson, Charles F.; and Sutherlin, Kent K., 3,849,766.

Jacobson, Charles L.: *See—*
Kanitz, Bruce R.; Koning, Virgil H.; and Jacobson, Charles L., 3,831,091.
Tambert, John; Zurakowski, Stanley J.; and Jacobson, Charles L., 3,798,598.

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Jacobson, David Stanley; and Duclos, Ronald Albert, to RCA Corporation. Method for making a radio frequency transistor structure. 3,807,039, 4-30-74, Cl. 29-578.000.

Jacobson, Harold D.: *See—*
Jacobson, Sidney I.; Jacobson, Harold D.; and Jacobson, Arthur F., 3,830,415.

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Jacobson, John William: *See—*
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Jacobson Manufacturing Company: *See—*
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Jacobson, Max. Film developing process. 3,832,178, 8-27-74, Cl. 96-50.00r.

Jacobson, Norman: *See—*
Pappas, James J.; Jacobson, Norman; and Kresge, Edward N., 3,842,010.
Rossi, Albert; Jacobson, Norman; and Miller, Harold N., 3,790,358.
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Jacobson, Peter E., to Sperry Rand Corporation. Hydrodynamic fluid-film bearings. 3,851,933, 12-3-74, Cl. 308-9.000.

Jacobson, Robert. Test scoring apparatus. 3,827,165, 8-6-74, Cl. 35-48.00a.

Jacobson, Robert L.: *See—*
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Jacobson, Robert S.: *See—*
Ross, Gerald F.; and Jacobson, Robert S., 3,789,413.

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Jacobson, Harold D.; and Jacobson, Arthur F., 3,811,434.
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Jacobson, Sava. Control circuit for telephone answering device. 3,818,141, 6-18-74, Cl. 179-6.00r.

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Jacobsson, Kurt Arne Gunnar, to Aktiebolaget IRO. Thread storage and supply device for textile machines. 3,831,875, 8-27-74, Cl. 242-47.130.

Jacobsson, Oake L. F. Bed-plant for hospitals. 3,846,853, 11-12-74, Cl. 5-60.000.

Jacobsz, Roelof F., to Honeywell Inc. Programing burner control device. 3,814,569, 6-4-74, Cl. 413-29.000.

Jacobus, Dan, to Buckbee-Mears Company. Matrix for forming mesh. 3,833,482, 9-3-74, Cl. 204-11.000.

Jacobus, David P.; Leanza, William J.; and Christensen, Burton G., to Merck & Co., Inc. 3-[(α-Methoxy-4-substituted cinnamoyl) oxymethyl]-7-acylamidoceph-3-em-4-carboxylic acids. 3,852,277, 12-3-74, Cl. 260-240.00j.

Jacobus, John J.: *See—*
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Jacoby, Abraham: *See—*
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Jacoby, Charles E.; and Lindqvist, Per Eric, to SI Handling Systems, Inc. Vehicle and track system. 3,818,837, 6-25-74, Cl. 104-166.000.

Jacoby, Charles H., to Akzona Incorporated. Method of mining a deposit of rock salt or the like. 3,820,847, 6-28-74, Cl. 299-5.000.

Jacoby, Charles H., to Akzona Incorporated. In-situ extraction of mineral values from ore deposits. 3,822,916, 7-9-74, Cl. 299-4.000.

Jacoby, David: *See—*
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Jacoby, Frederick J.: *See—*
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Jacoby, George Victor; and Woodsum, Sidney Perham, to RCA Corporation. Track following servo system. 3,840,893, 10-8-74, Cl. 360-77.000.

Jacoby, Henry C.; Jacoby, Abraham; and Jacoby, David, to Specialty Coatings & Chemicals, Inc. Vinyl repair process. 3,804,685, 4-16-74, Cl. 156-98.000.

Jacoby, Jerold L.: *See*—
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Jaconeli, Pierre, to A.V.D. (A Votre Disposition). Gratings. 3,839,837, 10-8-74, Cl. 52-674.000.
Jaconette, Frank C.: *See*—
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Jaconette, Frank C., Jr.: *See*—
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Jaconette, Frank C., Jr., to Hubbell, Harvey, Incorporated. Grounding clip for electrical fixtures. 3,810,069, 5-7-74, Cl. 339-14.00r.
Jacopini, Giuseppe; Bonelli, Albino; and Tonini, Roberto. Container-agitator. 3,792,838, 2-19-74, Cl. 259-161.000.
Jacquart, Christian A., to IBM Corporation. Switchable current generator. 3,825,776, 7-23-74, Cl. 307-270.000.
Jacquelin, Guy J. Corrugated cardboard containing sulphur foam. 3,787,276, 1-22-74, Cl. 161-137.000.
Jacquelin, Guy J., to Novipro. Fibrous structures. 3,823,059, 7-9-74, Cl. 161-150.000.
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Jacquemard, Raymond, to Compteurs Schlumberger. Valve mechanism for throttling a flowing fluid. 3,783,896, 1-8-74, Cl. 137-630.140.
Jacquemin, Francis: *See*—
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Jacquemiuns, Izaak Johannes, to Thomassen & Drijver-Verblifa N.V. Vacuum closure for a jar or container, especially a glass preserving jar. 3,782,576, 1-1-74, Cl. 215-42.000.
Jacques, Andre; Ostrowsky, Daniel; and Papuchon, Michel, to Thomson-CSF. Travelling wave frequency converter arrangement. 3,832,567, 8-27-74, Cl. 307-88.300.
Jacques, Edward J. Golf club grip training aid. 3,806,130, 4-23-74, Cl. 273-183.00d.
Jacques, Edward J. Golf club hand grip. 3,837,647, 9-24-74, Cl. 273-81.00r.
Jacques, James O., to Intelligent Memory Systems, Inc. Stacked flexible disc unit with head plugs. 3,846,837, 11-5-74, Cl. 360-99.000.
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Jacquot, Alain: *See*—
De Lavalette, Pierre de Lacroix; Hein, Daniel; Boudet, Georges; Meyer, Jean-Claude; Neron, Alain; Biaunier, Alain; Blaiberg, Alain; Nouveau, Jean Louis; Charpentier, Jacques Georges; and Jacquot, Alain, 3,825,982.
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Jacuzzi, Virgil, to Jacuzzi Bros., Incorporated. By-pass valve assembly for pool type heater. 3,840,175, 10-8-74, Cl. 236-20.000.
Jadamus, Hans; Magosch, Karl-Heinz; and Heuwinkel, Johannes, to Chemische Werke Huls Aktiengesellschaft. Thermoplastic polyester and polybutene-1 molding compositions. 3,839,499, 10-1-74, Cl. 260-873.000.
Jaddam, Abdulmassih Y., to GTE Laboratories Incorporated. Method of manufacturing an N-channel Mos field-effect transistor. 3,789,504, 2-5-74, Cl. 29-521.000.
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Jaecklin, Andre; and Strassler, Siegfried, to Brown Boveri & Company Limited. Holder member for a disc-shaped semiconductor element. 3,786,168, 1-15-74, Cl. 174-15.00r.
Jaecklin, Andre; and Scharli, Otto. Holder member for a semiconductor element. 3,789,248, 1-29-74, Cl. 310-9.400.
Jaeger, Ben E. Method and apparatus for trimming plastic bottles. 3,795,162, 3-5-74, Cl. 83-23.000.
Jaeger, Edwin C.: *See*—
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Jaeger, Horst, to Ciba-Geigy AG. Araomatic perfluoroalkylalkylmonocarboxylic acid esters. 3,818,058, 6-18-74, Cl. 260-408.000.
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Jaeger, Horst, to Ciba-Geigy AG. Perfluoroalkylalkylmonocarboxylic acid esters. 3,825,575, 7-23-74, Cl. 260-408.000.
Jaeger, Horst; and Schaefer, Paul. Perfluoroalkyl compounds, their manufacture, their polymerisation products and their use. 3,836,577, 9-17-74, Cl. 260-486.00h.
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Jaeger, Wilbert J. Fluid dispensing system. 3,825,154, 7-23-74, Cl. 222-136.000.
Jaeger, Wilbert J., to Lincoln-Hall Research Company. Beverage dispensing apparatus for dispensing a predetermined quantity of fluid. 3,830,405, 8-20-74, Cl. 222-129.300.
Jaegers, Leopold, to Trennjaeger Maschinen und Saegefabrik. Saw for cold metals. 3,812,752, 5-28-74, Cl. 83-478.000.
Jaeggi, Hans-Peter: *See*—
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Jaeschke, Harold R., to Hoerner Waldorf Corporation. Display carton. 3,853,216, 12-10-74, Cl. 206-45.140.
Jaeschke, Ralph L., to Eaton Corporation. Electromagnetic coupling having an end mounted field. 3,845,337, 10-29-74, Cl. 310-105.000.
Jaffa, David, and Szarka, Sandor, to Precision Screen Machines Inc. Dryer construction. 3,795,060, 3-5-74, Cl. 34-203.000.
Jaffa, David, to Precision Screen Machines Inc. Screen printing machine with oval rail for indexing pallets. 3,795,189, 3-5-74, Cl. 101-123.000.
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Jaffe, Edward E., to Du Pont de Nemours, E. I., and Company. α-2,9-Difluoroquinacridone. 3,793,327, 2-19-74, Cl. 260-279.000.
Jaffe, Edward E., to Du Pont de Nemours, E. I., and Company. Production of chlorine-containing copper phthalocyanines. 3,834,922, 9-10-74, Cl. 106-288.00q.
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Jaffe, Gerald Myer; Szkrybalo, William; and Weinert, Peter Hans, to Hoffmann-La Roche Inc. Process for producing xylose. 3,784,408, 1-8-74, Cl. 127-37.000.
Jaffe, Gerald Myer; and Pleven, Edward John, to Hoffman La-Roche Inc. Catalytic oxidation process. 3,832,355, 8-27-74, Cl. 260-340.700.
Jaffe, Israeli A., to Merck & Co., Inc. Treatment of rheumatoid arthritis. 3,852,454, 12-3-74, Cl. 424-263.000.
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Jaffe, Joseph, to Chevron Research Company. Hydrothermal method for manufacturing a novel catalytic material, catalysts containing said material, and processes using said catalysts. 3,791,963, 2-12-74, Cl. 208-111.000.
Jaffe, Joseph, to Chevron Research Company. Hydrodesulfurization with a porous xerogel catalyst containing hydrogenating components and metal phosphate dispersion. 3,791,967, 2-12-74, Cl. 208-216.000.
Jaffe, Joseph, to Chevron Research Company. Hydrothermal method of manufacturing a novel catalytic material, catalysts containing said material, and processes using said catalysts. 3,795,606, 3-5-74, Cl. 208-111.000.
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Jaffe, Joseph, to Chevron Research Company. Hydroconversion process. 3,846,284, 11-5-74, Cl. 208-216.000.
Jaffe, Joseph; and Reed, Echol M., Jr., to Chevron Research Company. Hydrodesulfurization. 3,846,287, 11-5-74, Cl. 208-216.000.
Jaffe, Morris D., Jr. Rotating illuminated display device having ultraviolet responsive members. 3,851,331, 11-26-74, Cl. 340-366.00b.
Jaffe, Paul E., to Pauldan Industries, Inc. Dental floss and method of making same. 3,800,812, 4-2-74, Cl. 132-89.000.
Jafs, Daniel; Marttala, Tapani; Christiansen, Kai; and Hakulin, Bertel, to Ahlstrom, A. Osakeyhtio. Process for recovering turpentine and heat in connection with the evaporation of black lye. 3,783,095, 1-1-74, Cl. 162-16.000.
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Jaggers, H. Dane, to Lectrasearch Corporation. Apparatus for transmitting the output of a musical instrument for amplification. 3,825,666, 7-23-74, Cl. 84-1.010.
Jaggers, Stuart Edward; Madinaveitia, Juan Luis; and Maisey, Roy Frederick, to Imperial Chemical Industries Limited. Method of producing anorexia. 3,806,595, 4-23-74, Cl. 424-248.000.
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Jagid, Bruce E., to Power Conversion, Inc. Battery sealing method receptive to injection filling. 3,823,040, 7-9-74, Cl. 136-162.000.
Jago, Edward John; and McCray, Walter A., to Foseco International Limited. Flat folded hot topping assemblies. 3,836,112, 9-17-74, Cl. 249-197.000.
Jagoda, Ajzyk. Modular building system. 3,805,461, 4-23-74, Cl. 52-79.000.
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Jahn, Helmut, to Kalle Aktiengesellschaft. Electrophotographic developing process and apparatus. 3,850,662, 11-26-74, Cl. 117-17.500.
Jahn, Martin D., to Chicago Metallic Corporation. Concealed grid suspended ceiling structure with simplified installation. 3,832,816, 9-3-74, Cl. 52-496.000.
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Jahnke, Earl M., to Joslyn Mfg. and Supply Co. Screw anchor. 3,793,786, 2-26-74, Cl. 52-157.000.
Jahnke, Earl Milton, to Joslyn Mfg. and Supply Co. Method and apparatus for installing anchors. 3,832,860, 9-3-74, Cl. 61-53.680.
Jahnke, Earl Milton; and Petres, Stephen Anthony, to Joslyn Mfg. and Supply Co. Method and apparatus for installing anchors. 3,832,861, 9-3-74, Cl. 61-53.580.
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Jain, Vijay K., to Cooper Laboratories, Inc. Process for production of eriodictyol. 3,803,177, 4-9-74, Cl. 260-345.200.
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Jakel, Gus R., to California Cement Shake Co., Inc. Cementitious roofing and siding. 3,841,885, 10-15-74, Cl. 106-93.000.
Jakeman, Eric; Jones, Robin; and Oliver, Christopher John, to National Research Development Corporation. Optical signal processing. 3,842,252, 10-15-74, Cl. 235-181.000.
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Jakob, Hans: *See—*
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Jakob, Hans, to American Safety Equipment Corporation. Push button buckle. 3,790,994, 2-12-74, Cl. 24-230.00a.
Jakob, Hans, to American Safety Equipment Corporation. Multiple point buckle. 3,825,979, 7-30-74, Cl. 24-205.190.
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Jakob, Heinz: *See—*
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Jakob, Peter, to Colortronic Reinhard & Co. KG. Dyeing process for synthetic materials. 3,814,388, 6-4-74, Cl. 259-191.000.
Jakob, Rolf, to Bayer Aktiengesellschaft. Automatically adjustable expansion nozzle. 3,801,021, 4-2-74, Cl. 239-571.000.
Jakobi, Wilhelm; and Voges, Bernd, to Koppers, Heinrich, Gesellschaft mit beschrankter Haftung. Regenerator construction. 3,834,864, 9-10-74, Cl. 432-222.000.
Jakobi, Wilhelm; and Schuffler, Arnulf, to Heinrich Koppers Gesellschaft mit beschrankter Haftung. Process and apparatus for controlling the heating of a horizontal by-product coke oven. 3,839,156, 10-1-74, Cl. 201-41.000.
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Jakobs, Ferdinand; and Sewing, Heinrich. Detonator cap assembly for firearm cartridges. 3,844,216, 10-29-74, Cl. 102-46.000.
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Jaksch, Ernst: *See—*
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Jakubek, Peter, to Fa. International Pollution Control Systems, Inc. Process and apparatus of handling water which is contaminated with an oil like liquid. 3,836,000, 9-17-74, Cl. 210-104.000.
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Jakubowski, Heinz, to Zeiss-Stiftung, Carl. Automatic diaphragm control for motion picture cameras used on operation microscopes. 3,820,882, 6-28-74, Cl. 352-131.000.
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Jakubowski, Thaddeus, Jr., to McDonnell Douglas Corporation. Internal ejector mechanism for stacked sequentially releasable separable units. 3,787,012, 1-22-74, Cl. 244-137.00r.
Jalbert, Domina C. Spinnaker construction. 3,851,612, 12-3-74, Cl. 114-103.000.
Jalbert, Donald A. Trap for fishing. 3,821,861, 7-2-74, Cl. 43-65.000.
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Jameel, Khaja M.; and Mueller, Von W., to GTE Automatic Electric Laboratories, Incorporated. In-line reed capsule crosspoint matrix switch. 3,789,332, 1-29-74, Cl. 335-152.000.
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James, Bill G. Heat sensitive novelty device. 3,802,945, 4-9-74, Cl. 161-5.000.
James, Bruce A.; Lawless, Michael J.; and Clark, David L., to General Motors Corporation. Closure latch arrangement. 3,785,186, 1-15-74, Cl. 70-240.000.
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James, Dean B.; Smiley, Seymour H.; and Whittaker, Ralph E., Jr., to Atlantic Richfield Company, mesne. Radio-luminescent sighting arrangement. 3,784,817, 1-8-74, Cl. 250-71.00r.
James, Dennis Bryan; and McEowen, James Royce, to Bell Telephone Laboratories, Incorporated. Conference bridge circuit. 3,824,344, 7-16-74, Cl. 179-11.0cn.
James, Dennis Bryan; and McEowen, James Royce, to Bell Telephone Laboratories, Incorporated. Relay release timing control circuit. 3,857,072, 12-24-74, Cl. 317-141.00r.
James, Doane A. Dishwashing apparatus. 3,804,104, 4-16-74, Cl. 134-72.000.
James, Donald N., to Ball Brothers Research Corporation. Scan deflection circuit device. 3,784,872, 1-8-74, Cl. 315-27.0td.
James, Earl W. Adjustable granular material dispenser. 3,834,593, 9-10-74, Cl. 222-440.000.
James, Edward Anthony: *See—*
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James, Fred, to Library Binding Service, Inc. End paper assembly. 3,811,998, 5-21-74, Cl. 161-100.000.
James, George Stephen, to Anglo American Corporation of South Africa Limited. Flow controlling devices. 3,840,209, 10-8-74, Cl. 251-216.000.
James, Gerald E., to Oxford Laboratories, Inc. Determination of vanilmandelic acid in urine. 3,836,332, 9-17-74, Cl. 23-230.00b.
James, Glenn D. Obtaining increased head in water systems. 3,795,587, 3-5-74, Cl. 202-185.00a.
James, Horace A. Leaf and rubbish shovel. 3,809,421, 5-7-74, Cl. 294-50.800.
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James, James R.; and Eliason, Kay E., to Atlantic Richfield Company. Fluid dispenser manipulation. 3,786,965, 1-22-74, Cl. 222-176.000.
James, Jesse C., 25% to Martin, Charles D. Vehicle for rough and muddy terrain. 3,845,831, 11-5-74, Cl. 180-8.00f.
James, John William: *See—*
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James, Kenneth E., to Stressed Pipe Research, Inc. Reinforcing cage. 3,841,356, 10-15-74, Cl. 138-175.000.
James, Larry S., to Coleman Company, Inc., The. Pilot reclamation system for gas-fires forced draft heater. 3,834,856, 9-10-74, Cl. 431-30.000.
James, Lawrence W., to Varian Associates. Avalanche photodiode. 3,821,777, 6-28-74, Cl. 357-30.000.
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James, Pierre Lucien Jules, to U.S. Philips Corporation. Cassette holder. 3,801,789, 4-2-74, Cl. 250-468.000.
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James, Randall V., to Scott & Fetzer Company, The. Slip clutch. 3,797,621, 3-19-74, Cl. 192-56.000.
James, Randell Leland, to International Business Machines Corporation. Method of testing MOSFET planar boards. 3,789,205, 1-29-74, Cl. 235-153.0ac.
James, Randell Leland, to International Business Machines Corporation. Serial test patterns for MOSFET testing. 3,790,885, 2-5-74, Cl. 324-73.00r.
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James, Robert G. Oil well pumping apparatus. 3,782,117, 1-1-74, Cl. 60-372.000.
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James, Robert L., to Bendix Corporation, The. Compass coupler. 3,837,086, 9-24-74, Cl. 33-317.00d.
James, Ronald, to Wilkinson Sword Limited. Compositions containing a source of hypochlorite ions. 3,843,548, 10-22-74, Cl. 25-187.00h.
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James, Russell P., 1/4 to Bagwell, Thomas W. and 1/4 to Heim, James A. Line square. 3,828,443, 8-13-74, Cl. 33-227.000.
James, Urban E.; and Barton, Glen B. Wood cutting mitre saw. 3,830,127, 8-20-74, Cl. 83-435.100.
James, William E. Materials handling devices. 3,849,974, 11-26-74, Cl. 56-226.000.
James, William R.; and Hardy, Charles J., to Chesapeake and Ohio Railway Company, The and Baltimore and Ohio Railroad Company, The. Power assembly removal tool. 3,843,185, 10-22-74, Cl. 294-67.0aa.
James, William T., III, to Renner Company, The. Tailgate conveyor. 3,804,278, 4-16-74, Cl. 214-509.000.
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Jamet, Edmond; and Jaquard, Paul, to Societe d'Applications Generales d'Electricite et de Mecanique. Emitter and receiver devices for remote control of mining machines. 3,810,098, 5-7-74, Cl. 340-170.000.
Jamet, Jean F.; and Balageas, Daniel L., to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Apparatus for the measurement of heat extraction coefficients. 3,822,580, 7-9-74, Cl. 73-15.00r.
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Jamiol, Edward R., to Envirotech Corporation. Enclosure assembly. 3,839,850, 10-8-74, Cl. 55-341.000.
Jamison, Joel D., to Hercules Incorporated. O,O-Di(C_1 and C_4 alkyl) phosphorodithioate and phosphorothioate esters as insecticides and acaricides. 3,812,253, 5-21-74, Cl. 424-200.000.
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Jamison, Saunders E., to Celanese Corporation. Terephthalic based unsaturated polyesters. 3,804,921, 4-16-74, Cl. 260-861.000.
Jamison, Saunders Eliot, to Celanese Corporation. Method of coating soil with an agricultural mulch. 3,812,615, 5-28-74, Cl. 47-9.000.
Jamison, Will B., to Consolidated Coal Company. Fire alarm device. 3,786,461, 1-15-74, Cl. 340-227.100.
Jamison, Will B., to Consolidated Coal Company. Method and apparatus for drilling and bolting a mine roof. 3,849,995, 11-26-74, Cl. 61-63.000.
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Jampen, Ulrich; and Zaba, Tadeusz, to Brown, Boveri & Company Limited. Apparatus for cooling an electrical generator. 3,816,751, 6-11-74, Cl. 290-2.000.
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Jamshidi, Khosrow. Muscle biopsy device. 3,800,783, 4-2-74, Cl. 128-2.00b.
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Jan Verstegen, Judicus Marinus Pieter; and De Meester, Emiel Petrus Juliaan, to U.S. Philips Corporation. Luminescent alkali metal gallate. 3,856,697, 12-24-74, Cl. 252-301.40r.
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Janci, John. Reamer. 3,824,027, 7-16-74, Cl. 408-225.000.
Jancik, Frantisek; and Polach, Josef, to SVIT, narodni podnik. Apparatus for assembling shoe parts. 3,828,385, 8-13-74, Cl. 12-24.500.
Janda, Joseph F. Turntables for heavy objects. 3,854,404, 12-17-74, Cl. 104-44.000.
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Janer, Jacques Louis Jean-Baptiste. Tractor, in particular, agricultural tractor with attitude control. 3,806,141, 4-23-74, Cl. 280-6.100.
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Janiak, Stefan, to Ciba-Geigy AG. Control of phytopathogenic fungi with N-benzothiazole-2-yl N'-propylureas. 3,810,988, 5-14-74, Cl. 424-270.000.
Janiak, Stefan; and Rohr, Otto, to Ciba-Geigy AG. Fungicidal preparations containing benzimidazole compounds. 3,821,393, 6-28-74, Cl. 424-273.000.
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Jankowiak, Joseph Edward. Automatic sine-cosine trigonometer. 3,814,903, 6-4-74, Cl. 235-61.0gm.
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Jankowski, Matthew A.; and Donahue, Simeon J., to American Chain & Cable Company, Inc. Set-point assembly with spiral resistor to reduce resistor wear. 3,784,949, 1-8-74, Cl. 335-196.000.
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Janning, John L., to National Cash Register Company, The. Alignment film for a liquid crystal display cell. 3,834,792, 9-10-74, Cl. 350-160.01c.
Janning, John L., to NCR Corporation. Plasma display device for selectively displaying several fixed images. 3,839,714, 10-1-74, Cl. 340-324.00m.
Jannoni, Richard, to Blessings Corporation. Disposable headrest cover with improved attaching means. 3,804,458, 4-16-74, Cl. 297-220.000.
Jannot, Michel Rene; Vaillant, Robert Guillaume; and Dzalba-Lyndis, Serge Yvan, to Societe Nationale Industrielle Aerospatiale. Acoustic damping and cooling of turbojet exhaust ducts. 3,848,697, 11-19-74, Cl. 181-33.0hb.
Jannson, Birger F.; and Schmitz, Albert A., to Case, J. I., Company. Support means for rotating elements. 3,814,554, 6-4-74, Cl. 418-73.000.
Jannssen, Casper Johannes Gerardus Ferdinand; Jonker, Hendirk; Postma, Lambertus; and Vondeling, Jacob Klass, to U.S. Philips Corporation. Photomask. 3,811,893, 5-21-74, Cl. 96-79.000.
Janome Sewing Machine Co., Ltd.: *See—*
Hanyu, Susumu, 3,782,307.
Hanyu, Susumu, 3,854,433.
Kasuga, Noboru, 3,782,312.
Kasuga, Noboru, 3,811,392.
Nakada, Tetsuo; and Oyama, Noboru, 3,782,276.
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Nakada, Tetuo; Ooyama, Noboru; and Miyazkaki, Kenichi, 3,783,778.
Ozaki, Yoshiaki; and Mishima, Fumiyuki, 3,814,015.
Janosi, Francis L.: *See—*
Cook, Harry E.; and Janosi, Francis L., 3,782,509.
Janosko, Michael J. Non-marring horizontal clamp. 3,851,358, 12-3-74, Cl. 24-248.00c.
Janosko, Michael J. Patio canopy structure. 3,854,254, 12-17-74, Cl. 52-63.000.
Janous, Donald Frank: *See—*
Kenny, Andrew Augustine; Larson, Richard Kendall; and Janous, Donald Frank, 3,856,045.
Janousek, Zdenek: *See—*
Viehe, Heinz Gunter; and Janousek, Zdenek, 3,855,293.
Janowak, John F.: *See—*
Ryntz, Edward F., Jr.; Janowak, John F.; and Watton, John F., 3,813,944.
Janowski, Kenneth R.: *See—*
Spielberg, David H.; Janowski, Kenneth R.; and Levesque, Charles J., 3,844,830.
Janred, Nils Rune: *See—*
Jungle, Nils Ake Curt; and Janred, Nils Rune, 3,816,861.
Jansa, Edward F. Fishing rod holder. 3,834,057, 9-10-74, Cl. 43-21.200.
Jansen, Alex G. Cement compositions containing soda lime glass. 3,823,021, 7-9-74, Cl. 106-97.000.
Jansen, Alexander Bertus Arnold; Hollowood, John; and Wilson, Alan Brian. 4-Biphenylyl isoquinoline derivatives. 3,823,148, 7-9-74, Cl. 260-289.00r.
Jansen, Carl E.: *See—*
Beumer, Joseph A.; Jansen, Carl E.; and Radstake, Herman, 3,800,141.
Jansen, Gert Peter, to Beecham Group Limited. Chemical process. 3,821,250, 6-28-74, Cl. 260-329.00r.
Jansen, Grant E.: *See—*
Douros, John D., Jr.; Warder, Ira T., Jr.; Jansen, Grant E.; and Richards, Carol M., 3,808,102.
Jansen, Harvey B., to Garrett Corporation, The. Fluid control valve. 3,805,835, 4-23-74, Cl. 137-625.300.
Jansen, Herbert, to Mannesmann-Meer Aktiengesellschaft. Machine for bending sheet stock. 3,820,378, 6-28-74, Cl. 72-465.000.
Jansen, Johann H.: *See—*
Hoffman, Neil R.; and Jansen, Johann H., 3,827,535.
Jansen, Theodore J., to Automatic Switch Company. Temperature compensator device and fluidic assembly incorporating it. 3,815,635, 6-11-74, Cl. 137-833.000.
Jansing, Walter: *See—*
Buscher, Enno; Eils, Friedrich; Jansing, Walter; Kirchner, George; and Markfort, Dieter, 3,853,504.
Jansma, Andrew M.: *See—*
Eshuis, Adolph; and Jansma, Andrew M., 3,804,085.
Jansma, Roger H.: *See—*
Allen, Earle E., Jr.; Smit, James A.; Walter, Robert R.; and Jansma, Roger H., 3,853,609.
Janson, Bengt Gotthard. Method and apparatus for separating finer particles from coarse particles suspended in a liquid. 3,789,978, 2-5-74, Cl. 209-10.000.
Janson, David Wenzel Alexander, to ESAB-Hebe Aktiebolag. An apparatus for grit balsting the edge of a plate like member. 3,824,737, 7-23-74, Cl. 51-8.000.
Janson, Eugene Ernst; and Muterspaugh, Max Ward, to RCA Corporation. Switchable antenna circuit for television providing for reception of UHF and VHF signals utilizing a single built-in monopole antenna or two external antennas. 3,787,773, 1-22-74, Cl. 325370.000.
Janson, Gunnar H., to Lear Siegler, Inc. Adjustable-torque magnetic brake. 3,822,390, 7-2-74, Cl. 310-104.000.
Janson, Paul E.: *See—*
Cohen, John B.; Janson, Paul E.; and McFarland, Harold L., Jr., 3,815,099.
Janson, Stig; and Janson, Ulf Stig. Milking installation for cow stables. 3,822,672, 7-9-74, Cl. 119-14.110.
Janson, Sven Olof. Safety device for sauna rooms. 3,813,628, 5-28-74, Cl. 337-322.000.
Janson, Sven-Olof. Humidifier for sauna rooms. 3,854,662, 12-17-74, Cl. 236-44.00c.
Janson, Ulf Stig: *See—*
Janson, Stig; and Janson, Ulf Stig, 3,822,672.
Janssen, Daniel Johannes Gerardus, to U.S. Philips Corporation. Supply circuit for a gas discharge character display tube. 3,794,881, 2-26-74, Cl. 315-84.600.
Janssen, Daniel Johannes Gerardus, to U.S. Philips Corporation. Tone generator for generating selected frequencies. 3,832,639, 8-27-74, Cl. 328-14.000.

Janssen, Donovan M.: *See—*
Fisher, Gene A.; Janssen, Donovan M.; and Stedman, David, 3,823,415.
Janssen, Edward W.: *See—*
Oehmke, Richard W.; Ofstead, Ronald F.; and Janssen, Edward W., 3,798,837.
Janssen, Hans Georg, to Aktiengesellschaft "Weser". Arrangement for connecting two marine vessels. 3,802,375, 4-9-74, Cl. 114-235.00r.
Janssen, Hans Georg; and Weissenborn, Gustav, to Aktiengesellschaft 'Weser". Device for coupling adjacent ends of two marine vessels. 3,830,186, 8-20-74, Cl. 114-235.00a.
Janssen, Joannes Franciscus Maria: *See—*
Merz, Josef; Van Esdonk, Johannes; and Janssen, Joannes Franciscus Maria, 3,801,184.
Merz, Josef; Van Esdonk, Johannes; and Janssen, Joannes Franciscus Maria, 3,848,973.
Merz, Josef; Van Esdonk, Johannes; and Janssen, Joannes Franciscus Maria, 3,854,827.
Janssen, Johannes Hendrikus Hubertus, to U.S. Philips Corporation. Hall element. 3,823,354, 7-9-74, Cl. 357-27.000.
Janssen, Paul: *See—*
Ismail, Roshdy; and Janssen, Paul, 3,853,935.
Schubel, Hans; Janssen, Paul; and Ratz, Heinz, 3,794,655.
Schubel, Hans; Janssen, Paul; and Ratz, Heinz, 3,796,750.
Janssen, Paul Adriaan, to Janssen Pharmaceutica N.V. Antidepressive activity of tetramisole. 3,852,458, 12-3-74, Cl. 424-270.000.
Janssen, Paul Adriaan Jan: *See—*
Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,838,118.
Soudijn, Willem; van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,842,076.
Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,843,634.
Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,843,635.
Janssen, Paul Adriaan Jan; Van Wijngaarden, Ineke; and Soudijn, Willem, to Janssen Pharmaceutica N.V. 1-[1-(2-Hydroxy-3-aryloxypropyl)-4-piperidyl]-2-benzimidazolinones and related compounds..3,818,017, 6-18-74, Cl. 260-293.600.
Janssen, Peter Johannes Michiel, to U.S. Philips Corporation. Camera tube comprising insulated diodes and a resistance layer. 3,793,571, 2-19-74, Cl. 317-235.00r.
Janssen, Peter Johannes Michiel, to U.S. Philips Corporation. Servo system for reading from a disc-shaped record carrier containing signals coded in optical form. 3,854,015, 12-10-74, Cl. 179-100.30v.
Janssen Pharmaceutica N.V.: *See—*
Godefroi, Erik Fred; and Heeres, Jan, 3,793,453.
Godefroi, Erik Fred; and Heeres, Jan, 3,839,574.
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Soudijn, Willem; van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,842,076.
Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,843,634.
Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, 3,843,635.
Janssen, Robert I. Paint roller frame with spray shield and clean-up means. 3,825,970, 7-30-74, Cl. 15-230.110.
Janssen, Theodorus S. T.: *See—*
Elbert, Ketil E.; Janssen, Theodorus S. T.; and Gotzmann, Karl J., 3,844,362.
Janssen, Wilhelmus Henricus. Device for packing in foil a bunch of elongated objects. 3,823,528, 7-16-74, Cl. 53-198.00r.
Janssen, Willem P. H. A.: *See—*
Vola, Mathias J. J. M.; and Janssen, Willem P. H. A., 3,833,296.
Janssen, Willem P. H. A.; and Paulissen, Martin G., to Oce-van der Grinten N.V. Drive for reciprocable parts of a photocopying optical system. 3,815,991, 6-11-74, Cl. 355-66.000.
Janssens, Wilhelmus: *See—*
Mannens, Marc Godfried; Jaeken, Jan; Janssens, Wilhelmus; and Priem, Jan Jozef, 3,813,255.
Janssens, Wilhelmus; and Van Den Bergh, Armand Maria, to Agfa-Gevaert, N.V. Filter layer composition comprising ultraviolet-absorbing polymers. 3,793,217, 2-19-74, Cl. 252-300.000.
Janssens, Wilhelmus; Vanheertum, Johannes Josephus; Pollet, Robert Joseph; Sneyers, Hendrik Hubert; and Dierckx, Jozef Aime, to Agfa-Gevaert N.V. Photoconductive 1,2,3,4-tetrahydroquinolines employed in electrophotography. 3,798,031, 3-19-74, Cl. 96-1.800.
Janssens, Wilhelmus; Vanheertum, Johannes Josephus; Poot, Albert Lucien; and Pollet, Robert Joseph, to Agfa-Gevaert N.V. Recording process and element employing as photoconductive material fluorene ring system fused 1,2-dihydro-2,2,4-trialkyl-quinolines. 3830,647, 8-20-74, Cl. 96-1.500.
Janssens, Wilhelmus; Vanheertum, Johannes Josephus; Poot, Albert Lucien; and Pollet, Robert Joseph, to Agfa-Gevaert N.V. Recording process and element employing as photoconductive material duplo-dihydroquinoline compounds. 3,832,171, 8-27-74, Cl. 96-1.500.
Janssens, Wilhelmus; and Lemahieu, Raymond Gerard, to Agfa-Gevaert N.V. Photographic processes and recording materials for use therein. 3,839,035, 10-1-74, Cl. 96-3.000.
Janssens, Willhelmus: *See—*
Grisar, Johann M.; and Janssens, Willhelmus, 3,818,072.
Jansson, Curt Evert: *See—*
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Jansson, Klas Efnar; and Sjostrand, Staffan Gunnar. Device at musical instruments with a piano keyboard or the like. 3,857,318, 12-31-74, Cl. 84-403.000.
Jansson, Leif A.: *See—*
Karlstrom, Rolf G. E.; and Jansson, Leif A., 3,853,027.
Jansson, Lenhart: *See—*
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Jansson, Robert A.; and Reese, Thomas J., to PPG Industries, Inc. Method of shaping glass sheets to sharp bends. 3,795,501, 3-5-74, Cl. 65-106.000.
Jansson, Robert A.; and Thomas, Dean L., to PPG Industries, Inc. Method of shaping glass sheets to sharp bends and shaped glass sheets produced thereby. 3,795,570, 3-5-74, Cl. 161-125.000.
Jansson, Sven A.; and Gulbransen, Earl A., to Westinghouse Electric Corporation. Tungsten-halogen incandescent lamp with group IVA metal getter, and method of manufacture. 3,821,585, 6-28-74, Cl. 313-178.000.
Jansta, Jiri; and Lasota, Otokar, to Ceskoslovenska akademie ved. Electrolytic hydrogen source. 3,840,454, 10-8-74, Cl. 204-230.000.
Jansz, Joost Werner, to Hollandsche Beton Groep N.V. Impulse driving apparatus. 3,828,866, 8-13-74, Cl. 173-101.000.
Janszen, Arthur A., to Electrostatic Research Corporation. Electrostatic transducer and method and means for making same. 3,800,102, 3-26-74, Cl. 179-111.00r.
Jantzen, Johannes K.; and Moore, Robert L., to International Video Corporation. Self-threading magnetic tape transport and magazine. 3,783,200, 1-1-74, Cl. 179-100.200.
Jantzen, Johannes K., to International Video Corporation. Reel clamp. 3,794,265, 2-26-74, Cl. 242-68.300.
Jantzen, Johannes K., to International Video Corporation. Helical tape guide. 3,800,318, 3-26-74, Cl. 360-84.000.
Jantzen, Johannes K., to International Video Corporation. Tape reel cartridge. 3,857,531, 12-31-74, Cl. 242-197.000.
Janu, George J., to Johnson Service Company. Diaphragm pressure sensor. 3,791,397, 2-12-74, Cl. 137-82.000.
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Janus, Alan R.; Fletcher, Peter C.; Ridosh, Michael H., Jr.; and Freihube, Walter P., to Material Sciences Corporation, mesne. Process for forming a metal oxide pattern. 3,853,648, 12-10-74, Cl. 156-7.000.
Janzen, Dennis W.; and Dell, Curtis G., to Du Pont de Nemours, E. I., and Company. Phase lock detection and control for piezoelectric fluid analyzers. 3,828,607, 8-13-74, Cl. 73-23.000.
Janzen, George J. Sunflower gatherer for combine harvesters and the like. 3,844,094, 10-29-74, Cl. 56-126.000.
Janzen, Jay; and Rush, Elton E., to Phillips Petroleum Company. Dispersing and mixing apparatus. 3,807,704, 4-30-74, Cl. 259-72.000.
Janzen, Peter: *See—*
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Jepsen, Kurt Friedrich; Stahl, Bernhard; and Janzen, Wolfgang, 3,830,486.
Janzow, Lester G.; and Lipke, Ronald D. Expansion joint. 3,815,818, 6-11-74, Cl. 238-228.000.
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Japan Atomic Energy Research Institute: *See—*
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Japan Carlit Co., Ltd., The: *See—*
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Japan Exlan Company Limited: *See—*
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Japan Gas-Chemical Company, Inc.: *See—*
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Isogai, Nobuo, 3,839,428.
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Japan Gasoline Co., Ltd.: *See—*
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Japan Metal Finishing Company Limited: *See—*
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Japan Metals & Chemicals Co., Ltd.: *See—*
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Japan Natural Food Co., Ltd.: *See—*
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Japan Non-Slip Pavement Co., Inc.: *See—*
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Japan Oxygen Co.,Ltd.: *See—*
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Japan Ship's Machinery Development Association: *See—*
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Japan Ship's Machinery Development Association, mesne: *See—*
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Japan Ship's Machinery Development Associations: *See—*
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Japan Society for the Promotion of Machine Industry: *See—*
Ishii, Takemochi; Koshi, Masaki; and Iguchi, Masakazu, 3,822,648.
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Japan Steel Works Ltd.: *See—*
Iijima, Akira; Yokoyama, Yujiro; Yamada, Yosuke; and Kimura, Makoto, 3,856,448.
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Kishino, Shunji; Abe, Takahiro; and Tamura, Reishi, 3,827,273.
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Japan Storage Battery Co., Ltd.: *See—*
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Japan Styrene Paper Incorporation: *See—*
Miyamoto, Akira; Akiyama, Hiroyuki; Noguchi, Toshiaki; and Ohtsuka, Isao, 3,856,719.

Japan Synthetic Rubber Co., Ltd.: *See—*
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Japan Synthetic Rubber Company, Limited: *See—*
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Japanese Geon Company, Ltd., The: *See—*
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Japanese National Railway: *See—*
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Japanese National Railways: *See—*
Kikuchi, Takashi; Motoki, Toshitsune; Kobayashi, Hideo; and Kamei, Toshiaki, 3,799,064.
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Yamazaki, Shigezo; Wakao, Mitsuru; and Inami, Kenichi, 3,854,598.

Japenga, Ronald, to Reliable Electric Company. Negative resistance repeater. 3,814,866, 6-4-74, Cl. 179-170.00g.

Japenga, Ronald, to Reliable Electric Company. Telephone line loop extender. 3,821,483, 6-28-74, Cl. 179-16.00f.

Jaquard, Paul: *See—*
Jamet, Edmond; and Jaquard, Paul, 3,810,098.

Jaquay, Louis H.: *See—*
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Jaquay, Louis H.; Rathburn, Donald R.; Andersen, Axel P.; and Rasmussen, Einar L., to Smidth, F. L., & Co. Apparatus for treating ores and other solid material. 3,838,848, 10-1-74, Cl. 266-18.000.

Jaques, Roland: *See—*
Helfer, Hannelore; Jaques, Roland; and Noelpp, Bernhard, 3,795,742.

Jaquet, Andre Gustave, to Canron, Inc. Measuring device for checking and/or correcting the transverse slope of railway tracks. 3,835,546, 9-17-74, Cl. 33-338.000.

Jaquette, Robert D., to Air-Way Manufacturing Company. O-ring mounting machine. 3,808,664, 5-7-74, Cl. 29-235.000.

Jaquillard, George E. Sign board. 3,793,757, 2-26-74, Cl. 40-142.000.

Jaquiss, Donald B. G.; and Liberti, Frank N., to General Electric Company. Thermally stable flame retardant polycarbonate composition containing in admixture a polycarbonate and a phosphinic or a phosphoric acid additive. 3,786,114, 1-15-74, Cl. 1-3-72.

Jaquiss, Donald B. G., to General Electric Company. Process for recovering 2,2,4-trimethyl-4-(4-hydroxyphenyl) chroman. 3,825,562, 7-23-74, Cl. 260-235.200.

Jaquiss, Donald B. G., to General Electric Company. Oxidatively stable polycarbonate composition. 3,833,537, 9-3-74, Cl. 260-45.80a.

Jaquith, Howard Randall: *See—*
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Jaquith, Howard Randall, to Sybron Corporation. Volumetric measuring system. 3,853,007, 12-10-74, Cl. 73-395.000.

Jarabek, Robert D., to PPG Industries, Inc. Method of electrodepositing cationic compositions. 3,799,854, 3-26-74, Cl. 204-181.000.

Jaras, Anthony. Apparatus for installing hammers in musical instrument. 3,841,191, 10-15-74, Cl. 84-453.000.

Jarboe, Alfred J.; deceased (by Jarboe, Hilda Estelle; administratrix) . Ladder supporting device. 3,853,202, 12-10-74, Cl. 182-108.000.

Jarboe, Hilda Estelle: *See—*
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Jarc, Robert A.; and Ritzinger, Frederick, to General Electric Company. Method of manufacture of an incandescent lamp. 3,850,489, 11-26-74, Cl. 316-20.000.

Jardin, Hans, to Webasto-Werke W. Baier KG. Clamping linkage for automobile sliding roofs. 3,857,603, 12-31-74, Cl. 296-137.00f.

Jardine, Robert W., to Reed International Limited. Web feeding apparatus. 3,844,189, 10-29-74, Cl. 83-98.000.

Jarecki, John S., to Skil Corporation. Hammer drill. 3,789,933, 2-5-74, Cl. 173-48.000.

Jarema, Chester P.: *See—*
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Niebylski, Leonard M.; and Jarema, Chester P., 3,790,365.
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Niebylski, Leonard M.; and Jarema, Chester P., 3,847,591.
Niebyski, Leonard M.; Jarema, Chester P.; and Lee, Thomas E., 3,816,952.

Jarema, Chester P.; and Niebylski, Leonard M., to Ethyl Corporation. Apparatus for casting molten metal/foaming agent compostion. 3,826,303, 7-30-74, Cl. 164-335.000.

Jarema, Chester P.; and Niebylski, Leonard M., to Ethyl Corporation. Plastic coated metallic foams. 3,839,080, 10-1-74, Cl. 117-132.00b.

Jarke Corporation: *See—*
Jay, Richard S., 3,810,530.
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Jarman, David J. Feedback conveyor system. 3,793,916, 2-26-74, Cl. 83-155.000.

Jarman, Davis R. Vehicle straightening device. 3,796,084, 3-12-74, Cl. 72-447.000.

Jarman, Hall B.: *See—*
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Jarman, Ronald D., to Dover Corporation. Filter unit having a generally cylindrical filter element supported on bearings. 3,847,817, 11-12-74, Cl. 210-297.000.

Jarolim, Vaclav; Sehnal, Frantisek; and Sorm, Frantisek, to Ceskoslovenska akademie ved. Esters of 10- oxa-2,4-alkadienoic acids. 3,799,957, 3-26-74, Cl. 260-410.90r.

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Jaron, Dov: *See—*
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Jaronen, Niilo N.: *See—*
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Jaros, Frantisek: *See—*
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Jaross, Robert A., to United States of America, Atomic Energy Commission. Gas void detector for liquid metal. 3,830,095, 8-20-74, Cl. 73-19.000.

Jarratt, Robert L., Trustee; in bankruptcy for Semiconductor Electronic Memories, Inc.: *See—*
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Jarrault, Maurice Louis, to Societe Civile d'Etudes et de Recherches pour l'Application de la Ceramique Dentaire en Abreviation S.E.R.A.C. Process for manufacturing false teeth. 3,786,565, 1-22-74, Cl. 32-8.000.

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Jarrett, E. K.: *See—*
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Jarvinen, Uro Tapio; and Salminen, Olli Olavi. Headlight wiper. 3,832,750, 9-3-74, Cl. 15-250.160.

Jarvis, Edward C. Accessory rim with dental bite correlator and impression aid. 3,855,703, 12-24-74, Cl. 32-17.000.

Jarvis, Edward D.: *See—*
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Jarvis, Edward M., to Standard Pressed Steel Co. Tensioning device. 3,823,908, 7-16-74, Cl. 248-351.000.

Jarvis Geochemical Limited: *See—*
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Jarzynski, Michael J., to L & A Products, Inc. Manifold for high pressure washer in mechanical mode selection. 3,801,017, 4-2-74, Cl. 239-310.000.

Jaschinski, Klemens: *See—*
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Jasinski, Andrew S. Spray can safety cap. 3,820,683, 6-28-74, Cl 220-60.00a.

Jasinski, John, to Owens-Illinois, Inc. Colored glass compositions. 3,844,796, 10-29-74, Cl. 106-52.000.

Jasinski, Leon, to Motorola, Inc. Rapid battery charging system and method. 3,852,652, 12-3-74, Cl. 320-35.000.

Jasinski, Raymond J.: *See—*
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Jasinski, Raymond J.; and Trachtenberg, Isaac, to United States of America, Interior, mesne. Determination of sulfate using ferric ion-selective electrode. 3,826,971, 7-30-74, Cl. 204-1.00t.

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Jasinski, Stanley C., to Timberjack Machines Limited. Control valve. 3,847,060, 11-12-74, Cl. 91-453.000.

Jasinski, Stefan A., to Xerox Corporation. Dual function document stop for a caping device. 3,804,514, 4-16-74, Cl. 355-75.000.

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Jasper Electronics Manufacturing Company: *See—*
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Jasper, Hans: *See—*
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Jaspers, Hans; and Torenbeek, Reinder, to Koninklijke Industrieele Maatschappij Noury & van der Lande N.V. Chemically-stable non-separating organic peroxide compositions. 3,795,630, 3-5-74, Cl. 252-426.000.

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Jaspers, Hans; Hansma, Hendrik; and Oosterwijk, Hendrik Harm Jannes, to Akzo N.V. Process for carrying out chemical reactions initiated by organic peroxides. 3,808,185, 4-30-74, Cl. 260-93.50r.

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Jassman, Gerald R., to GTE Automatic Electric Laboratories, Incorporated. Programmable electrical connector. 3,784,956, 1-8-74, Cl. 339-18.00r.

Jasson, Philippe; and Chatourel, Pierre, to Regie Nationale des Usines Renault. Methods of manufacturing shell moulds. 3,788,380, 1-29-74, Cl. 164-26.000.

Jasson, Philippe; and Chatourel, Pierre, to Regie Nationale des Usines Renault and Automobiles Peugeot. Machine for manufacturing shell moulds for lost-pattern precision casting. 3,796,251, 3-12-74, Cl. 164-166.000.

Jaster, Heinz; Kosky, Philip G.; and Staub, Fred W., to General Electric Company. Double valve vapor push pump. 3,834,835, 9-10-74, Cl. 417-209.000.

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Jaunarajs, Karlis L.; and Yang, Julie C., to Johns-Manville Corporation. Method for the preparation of fibrous soluble calcium sulfate anhydrite. 3,835,219, 9-10-74, Cl. 423-555.000.

Jaupain, Maurice: *See*—
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Javan, Ali; and Feld, Michael S., to Massachusetts Institute of Technology. Apparatus and method for controlling direction of radiation. 3,809,887, 5-7-74, Cl. 250-199.000.

Javan, Ali; and Levine, Jeffrey Steven, to Massachusetts Institute of Technology. Laser pumped by photoionization generated, electrically heated plasma. 3,826,997, 7-30-74, Cl. 331-94.560.

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Jaw-Bar Plastics Corporation: *See*—
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Jawelak, Melbourne G.; and Boni, Richard R., to McGraw-Edison Company. Auxiliary contact means for a circuit breaker. 3,819,893, 6-25-74, Cl. 200-146.00r.

Jawor, Tadeusz Bronislaw, to Molins Machine Company Limited. Material treating apparatus. 3,813,794, 6-4-74, Cl. 34-136.000.

Jawor, Tadeusz Eronislaw, to Molins Limited. Apparatus for measuring density and moisture. 3,783,373, 1-1-74, Cl. 324-58.05a.

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Jaworek, Dieter, to Boehringer Mannheim GmbH. Process for the chromatographic separation of mixtures. 3,787,317, 1-22-74, Cl. 210-31.00c.

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Jay, Richard S., to Jarke Corporation. Wheel chock. 3,810,530, 5-14-74, Cl. 188-32.000.

Jay, Richard S., to Jarke Corporation. Modular storage rack for cylindrical loads. 3,844,600, 10-29-74, Cl. 294-67.00d.

Jayachandra, Yemmanur; and Watson, Ronald G., to Western Electric Company. Incorporated. Method and apparatus for obtaining a stereoscopic termal image of internal and surface portions of an article. 3,805,073, 4-16-74, Cl. 250-353.000.

Jayachandra, Yemmanur, to Western Electric Company, Incorporated. Infrared scanning apparatus using a plurality of parallel detectors. 3,842,277, 10-15-74, Cl. 250-341.000.

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Jaynes, Harry E. Boat mooring and guard device. 3,842,779, 10-22-74, Cl. 114-230.000.

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Jeandel, Ferdinand. Engines and compressors of the kind in which a valve device engages with a helicoidal rotor. 3,810,722, 5-14-74, Cl. 418-195.000.

Jeane, Harvey L., to California Institute of Technology. Priority interrupt system. 3,829,839, 8-13-74, Cl. 340-172.500.

Jeanmaire, David: *See*—
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Jeanmaire, Walter. Machine for opening cotton bales. 3,820,197, 6-28-74, Cl. 19-80.000.

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Jeanmart, Claude: *See*—
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Jeannet, Jean-Pierre; and Leuba, Jean-Pierre, to Tesa S.A. Micrometer with digital reading. 3,851,397, 12-3-74, Cl. 33-166.000.

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Jederstrom, Gustaf L., to Pharmacia AB. Inhalation compositions containing 7-(B-hydroxypropyl) -theophylline. 3,823,229, 7-9-74, Cl. 424-45.000.

Jedlicka, James R.; Guist, Le Roy R.; and Beam, Richard M., to United States of America, National Aeronautics and Space Administration. Solid medium thermal engine. 3,830,060, 8-20-74, Cl. 60-527.000.

Jedlicka, Woodrow Wilson, to Lubrizol Corporation, The. Novel, low-viscosity epoxy curing agents. 3,790,633, 2-5-74, Cl. 260-561.00b.

Jednacz, Thomas C.; and Norbeck, Dean K., to Borg-Warner Corporation. Control system for refrigeration compressor. 3,803,863, 4-16-74, Cl. 62-209.000.

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Jeffers, Barney W. Recording device. 3,798,658, 3-19-74, Cl. 346-131.000.

Jeffers, Frederick J.: *See*—
Duck, Sherman W.; Jeffers, Frederick J.; and Lemke, James U., 3,815,987.
Garland, Thomas H.; Duck, Sherman W.; Jeffers, Frederick J.; and McClure, Richard J., 3,824,601.

Jeffers, Frederick J., to Bell & Howell Company. High sensitivity semiconductor strain gauge. 3,805,601, 4-23-74, Cl. 73-88.5sd.

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Bentley, Floyd Edward, 3,852,221.
Carlson, Sheldon D., 3,817,997.
Cavitt, Stanley Bruce, 3,784,482.
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Cuscurida, Michael; and Rice, Doris Marvin, 3,798,184.
Gipson, Robert Malone; Yeakey, Ernest Leon; and Peppel, William Jennings, 3,835,166.
Godfrey, Norman Bell, 3,785,997.
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Yeakey, Ernest Leon; and Moss, Philip Hotchkiss, 3,829,494.
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Jefferson, Raymond. Aerofoil assembly. 3,813,059, 5-28-74, Cl. 244-12.00c.

Jefferson, Robin, to Ilford Limited. Gelatino silver halide emulsion layer containing a halogen substituted heterocyclic nitrogen compound, as hardner and cysteine, methionine or cystine as. 3,843,372, 10-22-74, Cl. 96-109.000.

Jefferts, Keith B. Tag implanting machine. 3,820,545, 6-28-74, Cl. 128-330.000.

Jeffery, Jeffery J.; and Walus, Aloysius N., to Du Pont de Nemours, E. I., and Company. Aqueous sealer composition of an epoxy ester resin of a maleinized drying oil fatty acid and an epoxy resin and an acrylic-epoxy ester graft copolymer. 3,835,076, 9-10-4, Cl. 260-23.0ep.

Jeffery, Jeffery J.; and Walus, Aloysius N., to Du Pont de Nemours, E. I., and Company. Aqueous coating composition of an epoxy ester resin and a water-dispersible cross-linking agent. 3,844,998, 10-29-74, Cl. 260-29.40r.

Jeffery, Philip Auriol Edgar: *See*—
Beurer, Robert John; and Jeffery, Philip Auriol Edgar, 3,809,334.

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Jeffery, Robert W.; and Breeden Robert H., to Sperry Rand Corporation. Power transmission. 3,799,096, 3-26-74, Cl. 114-150.000.

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Cilles, Arthur L., 3,804,466.
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Bratu, Nicholas George, Jr.; and Jeffries, James Frederick, Jr., 3,826,619.

Jeffries, Robert; and Grover, Martin M., to National Starch and Chemical Corporation, mesne. Adhesive products. 3,850,786, 11-26-74, Cl. 161-164.000.

Jeffries, Stuart W.: *See*—
Harford, James W.; and Jeffries, Stuart W., 3,811,625.

Jeffries, Thomas Oliver, to Brunel University. Vehicle-control apparatus. 3,788,234, 1-29-74, Cl. 104-152.000.

Jeffries, William G.: *See*—
Houser, Lloyd; and Jeffries, William G., 3,847,584.

Jeffs, Carley: *See*—
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Jeffs, Gene: *See*—
Hunter, Roland L., 3,834,656.

Jeger, Oskar: *See*—
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Jehly, Lynn C.; and Johanson, Carl E., to Bendix Corporation, The. Electromagnetic coupling for an altimeter. 3,795,151, 3-5-74, Cl. 73-387.000.

Jehn, David H.: *See*—
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Jehring, Arnfried: *See*—
Johne, Hans; Schumann, Gunter; Jehring, Arnfried; and Reichenberger, Kurt, 3,795,193.

Jehu, Robert Ramsay, to Spacetac Incorporated. Automatic converter tester. 3,816,813, 6-11-74, Cl. 324-73.00r.

Jehu, Victor James; and Pearson, Leonard Charles, to National Research Development Corporation. Safety device for vehicles. 3,829,140, 8-13-74, Cl. 293-15.000.

Jelalian, Albert V.: *See*—
United States of America, National Aeronautics and Space Administration, 3,856,402.

Jelich, George W. Hot tube handling device. 3,857,598, 12-31-74, Cl. 294-27.00r.

Jelicic, Dusan; and Jelicic, Ivan. Dental drill handgrip. 3,786,566, 1-22-74, Cl. 32-29.000.

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Jelicic, Dusan; and Jelicic, Ivan, 3,786,566.

Jelinek, Hugo G. Frame for processing photographic cut sheet film. 3,792,489, 2-12-74, Cl. 354-344.000.

Jelinek, Robert M., to Ceco Corporation, The. Adjustable road bar assembly. 3,796,403, 3-12-74, Cl. 248-119.00r.

Jelinek, Vaclav: *See—*
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Jelinek, Vaclav, deceased (by Jelinkova, Vera; and Jelinek, Vaclav; heirs); Semonsky, Miroslav; Hartl, Jiri; and Borovansky, Alois, to SPOFA, United Pharmaceutical Works. α, αDiaryl-α, β-dihalocrotonic acids. 3,829,473, 8-13-74, Cl. 260-515.00a.

Jelinkova, Vera: *See—*
Jelinek, Vaclav, deceased; Semonsky, Miroslav; Hartl, Jiri; and Borovansky, Alois, 3,829,473.

Jellinek, Karl; Post, Udo; Gieben, Wibmar Uber; and Oellig, Rudi, to Rutgerswerke Aktiengesellschaft. Process for the production of molded articles or coating from polyadducts by reaction of polyethers with polyisocyanates. 3,784,601, 1-8-74, Cl. 260-77.5a.

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Jelusic, Fedor, to Escher Wyss Limited. Multi-stage pump-turbine. 3,794,456, 2-26-74, Cl. 415-122.000.

Jemal, Emile Joseph. Process of preparing molybdenum trioxide by sublimation. 3,848,050, 11-12-74, Cl. 423-59.000.

Jemison, William, to Heyman Manufacturing Company. Cable hanger. 3,819,139, 6-25-74, Cl. 248-73.000.

Jen, Dian P.: *See—*
Bochman, Raymond A.; Dessauer, Ralph G.; and Jen, Dian P., 3,798,007.

Jen, Dixon T.: *See—*
Casey, Richard C.; Duggan, Robert J.; Grosky, Stephen A.; Jen, Dixon T.; and Serra, John J., 3,792,462.

Jen, Dixson Teh-Chao: *See—*
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Jen, Dixson Teh-Chao; and Lotan, Amram Zvi, to Bunker Ramo Corporation. Processor interrupt system. 3,789,365, 1-29-74, Cl. 340-172.500.

Jen, Teh-Sen: *See—*
Chang, Chi Shih; and Jen, Teh-Sen, 3,821,781.
Chin, William B.; and Jen, Teh-Sen, 3,806,738.
Doo, Ven Y.; Ho, Irving T.; and Jen, Teh-Sen, 3,796,928.

Jen, Timothy Yu-Wen: *See—*
Blackburn, Dale W.; Devenney, Robert F.; and Jen, Timothy Yu-Wen, 3,790,573.

Jen, Timothy Yu-Wen; and Weisbach, Jerry A., to Smithkline Corporation. 4-Substituted 3-cephem compounds. 3,799,922, 3-26-74, Cl. 260-243.00c.

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Jencks, Charles L.; and Murphy, Frank H., to General Electric Company. Electric circuit breaker with auxiliary trip mechanism. 3,848,102, 11-12-74, Cl. 200-153.001.

Jendrisak, Joseph E.; and McKelvey, Harold E. Apparatus for seaming the edges of glass sheets. 3,800,477, 4-2-74, Cl. 51-139.000.

Jenei, Joseph, to General Motors Corporation. Method of making a sunshade. 3,790,420, 2-5-74, Cl. 156-251.000.

Jenike and Johanson, Inc.: *See—*
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Jenike, Andrew W., and Johanson, Jerry R., to Jenike and Johanson, Inc. Bins for storage and flow of bulk solids. 3,797,707, 3-19-74, Cl. 222-193.000.

Jeninga, John, to Sit N Rest Golf, Inc. Wheel support structure for golf cart. 3,807,751, 4-30-74, Cl. 280-41.00d.

Jenkin, Arthur S., to Komline-Sanderson Engineering Corporation. Traction applying tool. 3,791,012, 2-12-74, Cl. 29-254.000.

Jenkins, Anthony; and Vincett, Colin Jeffrey. Method and apparatus for leak testing sealed containers. 3,857,278, 12-31-74, Cl. 73-40.700.

Jenkins, Cecil: *See—*
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Jenkins, Cecil; and Donnally, Robert B., to Lee C. Moore Corporation. Oil well drilling apparatus. 3,807,109, 4-30-74, Cl. 52-120.000.

Jenkins, Cecil; and Woolslayer, Joseph R., to Moore, Lee C. Pivoted well drilling mast and separate tower. 3,851,770, 12-3-74, Cl. 214-2.500.

Jenkins, Charles J.: *See—*
Edwards, Arnold Glen; and Jenkins, Charles J., 3,831,680.

Jenkins, Conrad Geoffrey: *See—*
Lee, Stephen John; Duffey, James Anthony; and Jenkins, Conrad Geoffrey, 3,802,683.

Jenkins, Dave H., to Lockheed Aircraft Corporation. Walking tread for air cushion vehicles. 3,831,691, 8-27-74, Cl. 180-8.00c.

Jenkins, Dave H., to Lockheed Aircraft Corporation. Air cushion trunk valving system for aircraft. 3,844,509, 10-29-74, Cl. 244-100.00a.

Jenkins, Edgar M., Jr. Solid state dial selector signalling apparatus. 3,790,718, 2-5-74, Cl. 179-17.00d.

Jenkins, Frank Llewellyn, to Wiggins Teape Research & Development Limited. Colour reacting components. 3,803,074, 4-9-74, Cl. 260-29.70m.

Jenkins, Frank Llewellyn, to Wiggins Teape Research & Development Limited. Pressure sensitive copying paper. 3,856,551, 12-24-74, Cl. 117-36.200.

Jenkins, Garry W. Package for disposal of chewing gum. 3,845,858, 11-5-74, Cl. 206-233.000.

Jenkins, Genelle: *See—*
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Jenkins, Ian; Moffatt, John G.; and Verheyden, Julien P., to Syntex (U.S.A.) Inc. 4-Fluoro nucleosides and sugar intermediates, and methods of preparing. 3,817,978, 6-18-74, Cl. 260-210.00r.

Jenkins, Joe H., to Clay, Robert and King, Kenneth F. Hoop pushing toy. 3,788,000, 1-29-74, Cl. 46-205.000.

Jenkins, John P., to International Tapetronics Corporation. Cassette tape transport with pivotally supported universally adjustable head and upright front-mounted cassette. 3,800,323, 3-26-74, Cl. 360-96.000.

Jenkins, John P., to International Tapetronics Corporation. Compact cassette tape transport with direct capstan and torque motor drives. 3,801,043, 4-2-74, Cl. 242-199.000.

Jenkins, John P., to International Tapetronics Corporation. Tape transport with automatic torque motor brake. 3,809,329, 5-7-74, Cl. 242-204.000.

Jenkins, John P., to International Tapetronics Corporation. Cassette tape transport with universally adjustable head. 3,833,925, 9-3-74, Cl. 360-109.000.

Jenkins, Jonathan Moubray, to Unigate Limited. Method of constructing a multi-plate electrode structure. 3,846,879, 11-12-74, Cl. 29-2.000.

Jenkins, Martyn Frederick, to Dunlop Limited. Platform conveyors. 3,844,219, 10-29-74, Cl. 104-25.000.

Jenkins Metal Shops, Inc.: *See—*
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Jenkins, Murgatroyd H.: *See—*
DeWoskin, Irvin S.; and Jenkins, Murgatroyd H., 3,816,209.

Jenkins, Philip W.; Heseltine, Donald W.; and Mee, John D., to Eastman Kodak Company. Crosslinkable polymer compositions utilizing N-hetero-cyclic compounds with cleavable oxy substituents. 3,799,786, 3-26-74, Cl. 106-125.000.

Jenkins, Philip W.; Heseltine, Donald W.; and Mee, John D., to Eastman Kodak Company. Fogged, direct positive silver halide emulsion sensitized with a cyanine dye containing hetercylic nitrogen atom substituted with an -OR group. 3,826,656, 7-30-74, Cl. 96100.000.

Jenkins, Philip W.; Heseltine, Donald W.; and Mee, John D., to Eastman Kodak Company. Heat-sensitive copying systems. 3,832,212, 8-27-74, Cl. 117-36.700.

Jenkins, Robert Bain, Sr.: *See—*
Bass, Oscar, Jr.; Jenkins, Robert Bain, Sr.; and Horvat, Ivan, 3,849,837.

Jenkins, Robert L. Electric plug with both removable and pivotable ground pins. 3,792,411, 2-12-74, Cl. 339-14.00p.

Jenkins, Roger M.: *See—*
Streeter, John H.; and Jenkins, Roger M., 3,815,719.
Streeter, John H.; and Jenkins, Roger M., 3,820,407.

Jenkins, Theron W., Jr., to Leeds & Northrup Company. Boiler-turbine control system. 3,802,189, 4-9-74, Cl. 60-665.000.

Jenkins, Thomas A.: *See—*
Iisch, Thomas A.; and Jenkins, Thomas A., 3,815,145.

Jenkins, Thomas E.: *See—*
Cushing, Donald S.; and Jenkins, Thomas E., 3,807,419.
Cushing, Donald S.; and Jenkins, Thomas E., 3,826,553.
Cushing, Donald S.; and Jenkins, Thomas E., 3,841,342.

Jenkins, Thomas E., to General Electric Company. Sealing system for washing machine. 3,785,566, 1-15-74, Cl. 239-259.000.

Jenkins, Thomas E., to General Electric Company. Dish-washer with soil detecting means. 3,807,418, 4-30-74, Cl. 134-57.00d.

Jenkins, Thomas E., to General Electric Company. Dishwasher assembly. 3,825,373, 7-23-74, Cl. 417-360.000.

Jenkins, Thomas E., to General Electric Company. Means for sealing a component supporting assembly in a washing appliance tub. 3,829,191, 8-13-74, Cl. 312-346.000.

Jenkins, Thomas E., to General Electric Company. Thermal growth compensation and mounting for plastic dishwasher tub. 3,834,783, 9-10-74, Cl. 312-253.000.

Jenkins, Thomas E.; and Cushing, Donald S., to General Electric Company. Dishwasher. 3,837,917, 9-24-74, Cl. 134-144.000.

Jenkins, Victor Frederick; Beeken, Michael John; and Pennington, Stephen, to Laporte Industries, Limited. Copolymers of epoxides and lactones. 3,795,701, 3-5-74, Cl. 260-484.00a.

Jenkins, Victor Frederick; and Lee, Stephen Arthur, to Laporte Industries Limited. Quasi-prepolymerization technique for preparation of polyurethane foams. 3,853,795, 12-10-74, Cl. 260-2.5ac.

Jenkins, Victor Frederick; and Doherty, Daniel Anthony, to Laporte Industries Limited. High density polyurethane foams. 3,856,716, 12-24-74, Cl. 260-2.5bd.

Jenkins, William: *See—*
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Jenkins, William A., to Monarch Marking Systems, Inc. Composite web of pressure sensitive labels. 3,783,083, 1-1-74, Cl. 161-38.000.

Jenkins, William A.; and Hamisch, Paul H., Jr., to Monarch Marking Systems, Inc. Lable printing and applying apparatus. 3,798,106, 3-19-74, Cl. 156-384.000.

Jenkins, William A., to Monarch Marking Systems, Inc. Method of dispensing labels. 3,852,139, 12-3-74, Cl. 156-250.000.

Jenkins, William A., to Monarch Marking Systems, Inc. Method of making composite web of labels. 3,852,140, 12-3-74, Cl. 156-253.000.

Jenkins, William Melchior: *See—*
Hunt, Ronald Eugene; and Jenkins, William Melchior, 3,854,784.

Jenkins, William Melchior, to International Business Machines Corporation. Disc unloading apparatus. 3,823,948, 7-16-74, Cl. 274-9.00b.

Jenkinson, Bruce Ian, to SI Handling Systems, Inc. Controlling the supply of articles. 3,830,409, 8-20-74, Cl. 221-236.000.

Jenkinson, John, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Cooling of turbine blades. 3,791,758, 2-12-74, Cl. 415-116.000.

Jenkinson, Ronald James, to Exxon Research and Engineering Company. Regulating fluidized beds. 3,849,899, 11-26-74, Cl. 34-10.000.

Jenkinson, William David; and Marke, Paul Anthony Bryant, to Texaco Inc. Method and apparatus for offshore geophysical exploration with low power seismic source. 3,786,408, 1-15-74, Cl. 340-15.5mc.

Jenkintown Metal Products, Inc.: *See—*
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Jenkner, Herbert: *See—*
Praetzel, Hans Eberhard; and Jenkner, Herbert, 3,830,766.

Jenkner, Herbert, to Chemische Fabrik Kalk GmbH. Process for bromomethylating aromatic hydrocarbons. 3,833,666, 9-3-74, Cl. 260-612.00r.

Jenko, William J.; and Stanley, Lamont C., to International Business Machines Corporation. Strain relief cable anchor. 3,802,654, 4-9-74, Cl. 248-73.000.

Jenks, John W.: *See—*
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Jenmart, Claude: *See—*
Challier, Jean-Louis; Jenmart, Claude; Messer, Mayer Naoum; and Simon, Pierre, 3,818,011.

Jenn, Louis Joseph. Dining arrangement. 3,853,115, 12-10-74, Cl. 126-299.00b.

Jenn-Air Corporation: *See—*
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Jenne, Frederick B., to Rockwell International Corporation. Substrate bias circuit. 3,794,862, 2-26-74, Cl. 307-304.000.

Jenne, Leonard W., Jr., to General Electric Company. Electron gun assembly with flexible electrical interconnection for corresponding electrodes and method of fabricating same. 3,838,306, 9-24-74, Cl. 313-409.000.

Jenne, Oswald; Steinkuhl, Josef; Wiechmann, Otto; and Reimann, Gerhard, to Rheinstahl AG. Apparatus for the production of polyphase gypsum. 3,829,280, 8-13-74, Cl. 432-58.000.

Jenner, Heinrich; and Schmidt, Georg, to Fraenkische Isolierrohr-und Metallwaren-Werke Gebrueder Kirchner. Corrugated plastic pipe and drainage system using the same. 3,820,340, 6-28-74, Cl. 61-11.000.

Jenner, Heinrich, to Frankische Isolierrohr-und Metallwaren-Werke Gebr. Kirchner. Flexible sheath for tachometer shafts or the like. 3,837,364, 9-24-74, Cl. 138-122.000.

Jenner-Clarke, Allan: *See—*
Dent, William Barron; and Jenner-Clarke, Allan, 3,814,541.

Jenness, Raymond C., to Allis-Chalmers Corporation. Discharge assembly and method of discharging for rotary grinding mill. 3,806,045, 4-23-74, Cl. 241-24.000.

Jenniges, Ernst, to Chemiebau Dr. A. Zieren G.m.b.H., & Co., K.G. Process for the cracking of sulfuric acid. 3,825,657, 7-23-74, Cl. 423-540.000.

Jennings, Alan K.: *See—*
Mayne, David W.; and Jennings, Alan K., 3,803,555.

Jennings, Barry Randal; and Baily, Edward Dyson. Apparatus for linear dichroism determination. 3,801,204, 4-2-74, Cl. 356-117.000.

Jennings, Cedric Copeland: *See—*
Feigin, Abner Oscar; Bailey, Floyd Leroy; and Smith, Russell Yerby, Jr., 3,803,753.

Jennings, Donald G. Trailer chock. 3,836,179, 9-17-74, Cl. 280-476.000.

Jennings, James Robert; and Simon, David Gavin, to Imperial Chemical Industries, Limited. Vinyl polymerisation. 3,786,032, 1-15-74, Cl. 260-91.700.

Jennings, Joseph W. Method of shaving. 3,811,349, 5-21-74, Cl. 83-14.000.

Jennings, Kirk E.; and Seiple, Ronald L., to United States of America, Navy. Depthometer. 3,857,283, 12-31-74, Cl. 73-300.000.

Jennings, Lewis C.: *See—*
Mercer, Charles S.; and Jennings, Lewis C., 3,822,081.

Jennings, Lewis C.; and Rickley, Samuel S., to Morgan Construction Company. Neck seal. 3,832,021, 8-27-74, Cl. 308-36.100.

Jennings, Luree C. Infant support. 3,840,916, 10-15-74, Cl. 5-327.000.

Jennings, Marvin D.: *See—*
Howells, Arthur J., Jr.; Jennings, Marvin D.; Eastman, Donald R.; and Sheets, Edward G., 3,840,132.

Jennings, Ralph Ernest: *See—*
Barth, Gerald Dean; and Jennings, Ralph Ernest, 3,800,653.

Jennings, Reuel E.; Moliterno, Louis J.; and Amend, Clifford L., to Ajax Magnethermic Corporation. Apparatus and method for heat-treating large diameter steel pipe. 3,804,390, 4-16-74, Cl. 266-4.00e.

Jennings, Robert R.; and Thornton, William M., 1/2 to Dow Chemical Company, The and 1/2 to Marathon Oil Company. Process for the recovery of oil. 3,783,944, 1-8-74, Cl. 166-274.000.

Jennings, Robert R., to Dow Chemical Company, The. Method for reducing polymer adsorption in secondary oil recovery operations. 3,804,173, 4-16-74, Cl. 166-274.000.

Jennings, Rodney L.: *See—*
Jennings, Rodney L.; Teets, Rodney J.; Kerby, Perry L., and Moss, Charles H. (said Teets, Kerby & Moss assor. to said), 3,816,731.

Jennings, Rodney L.; Teets, Rodney J.; Kerby, Perry L.; and Moss, Charles H., said Teets, Kerby & Moss assor. to said Jennings, Rodney L. Conversion apparatus utilized with an electronic calculator. 3,816,731, 6-11-74, Cl. 235-156.000.

Jennings, Roger G.: *See—*
Lowery, William E.; and Jennings, Roger G., 3,834,967.

Jennings, Roy E., to Royal Seating Corporation. Chair table arm support. 3,847,432, 11-12-74, Cl. 297-160.000.

Jennings, Thomas A., to Hull Corporation. Thin film coils and method and apparatus for making the same. 3,785,046, 1-15-74, Cl. 29-602.000.

Jennings, William M.: *See—*
Cole, Carroll R.; Ferriell, Warren L.; and Jennings, William M., 3,806,196.

Jenny, Erwin F.; and Schenker, Karl. 1-Amine-cyclobutene. 3,784,642, 1-8-74, Cl. 260-558.00a.

Jenny, Hans: *See—*
Safir, Edward; and Jenny, Hans, 3,838,563.

Jenny, Robert W., to Boeing Company, The. Landing gear truck pitch damping. 3,845,919, 11-5-74, Cl. 244-103.00r.

Jenny, Ronald L. Power drive wrench. 3,805,645, 4-23-74, Cl. 81-57.220.

Jenny, Walter: *See—*
Desai, Nalin Binduprasad; Jayaraman, Ponnusami; Ramanathan, Visvanathan; Artz, Klaus; Naik, Navnitrai Nagarji; and Jenny, Walter, 3,784,559.
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Jense, Willem Frederick, to Koninklijie Nederlandse Textile-Uncel N.V. Device for the manufacture of non-woven textile-like and textile-reinforced materials. 3,805,341, 4-23-74, Cl. 28-1.0cl.

Jensen, Arne, to Danfoss A/S. Three-phase inverter. 3,838,331, 9-24-74, Cl. 321-9.00r.
Jensen, Arthur S.; McIntyre, James L.; and Hamiston, Homer A., to Westinghouse Electric Corporation. Radiation modulation apparatus. 3,818,222, 6-18-74, Cl. 250-213.000.
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Jensen, Borge; Fischer, Aksel; and Falck, Rolf Christian Luja. Coupling arrangement for connecting an insulating housing enclosing an electric device to an installation panel duct. 3,844,078, 10-29-74, Cl. 52-221.000.
Jensen, Dennis H.; and McKinley, Thomas E., to M. J. Manufacturing Consultants, Inc. Apparatus for compressing article holding racks. 3,856,290, 12-24-74, Cl. 269-14.000.
Jensen, Donald D. Air cleansing unit. 3,813,856, 6-4-74, Cl. 55-444.000.
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Jensen, Edward R., to CPC International Inc. Extrusion of detergent compositions. 3,803,285, 4-9-74, Cl. 264-143.000.
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Jensen, Flemming E., to Smidth, F. L., & Co. Conveyor flights for rotary kiln. 3,799,735, 3-26-74, Cl. 432-16.000.
Jensen, Fred H. Method and apparatus for sequestering open flame combustion gas. 3,799,142, 3-26-74, Cl. 126-39.00j.
Jensen, Frederick K.; and Jewell, Gordon W., to Elektro-Ion, Inc. Powder spray booth. 3,824,912, 7-23-74, Cl. 98-115.50b.
Jensen, Frederick K., to Elektro-Ion, Inc. Powder hopper for electrostatic powder spraying apparatus. 3,826,540, 7-30-74, Cl. 302-57.000.
Jensen, Garold K.; and McGeogh, James E., to United States of America, Navy. Frequency spectrum display for radar. 3,855,595, 12-17-74, Cl. 343-8.000.
Jensen, Gary D.: *See—*
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Jensen, Henry E., to Eltra Corporation. Water cooled industrial battery. 3,834,945, 9-10-74, Cl. 136-161.000.
Jensen, Herman G., to Seeburg Corporation of Delaware, The. Coin handling escrau device. 3,805,936, 4-23-74, Cl. 194-1.00h.
Jensen, Herman George, to Seeburg Corporation of Delaware, The. Escrow and security device for coin and dollar bill operated vending machine. 3,783,989, 1-8-74, Cl. 194-4.00g.
Jensen, Jack. Airplane hijacking injector. 3,841,328, 10-15-74, Cl. 128-218.00f.
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Jensen, Jens-Lauge Bolund; Moller, Per Julius Leth; and Mortensen, Anna Birthe. Method of thawing deep-frozen meat products. 3,857,988, 12-31-74, Cl. 426-506.000.
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Jensen, Reed J.; Rice, Walter W.; and Beattie, Willard H., to United States of America, Atomic Energy Commission. Metal atom oxidation laser. 3,829,793, 8-13-74, Cl. 331-94.50p.
Jensen, Robert M. Baghouse dust collector. 3,837,151, 9-24-74, Cl. 55-341.000.
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Jepsen, Kurt Friedrich; Stahl, Bernhard; and Janzen, Wolfgang, to Amsted-Siemag Kette GmbH. Rapid action clamp. 3,830,486, 8-20-74, Cl. 269-216.000.
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Jepson, John W.; Lyon, Herbert W.; and Brown, Robert A., to Acushnet Company. Golf ball dimple milling apparatus. 3,841,199, 10-15-74, Cl. 90-13.00c.
Jepson, Peter; Johnson, Eric P.; and Wyndham, Alan, to Gas Council, The. Measurement of edge sharpness. 3,807,225, 4-30-74, Cl. 73-104.000.
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Jerila, Torsti T. T., to Acme General Corporation. Spring hinge for bifold doors. 3,849,835, 11-26-74, Cl. 16-182.000.
Jeris, John S.; Beer, Carl; and Mueller, James A., to Ecolotrol, Inc. Waste treatment process. 3,846,289, 11-5-74, Cl. 210-8.000.

Jernigan, James L., to United States of America, Navy. Inverted time umpulsed bragg angle matched filter. 3,821,548, 6-28-74, Cl. 250-216.000.
Jernow, Jane Liu; and Rosen, Perry, to Hoffmann-La Roche Inc. Certain 2-oxo-2H-cyclopenta (b)-furans. 3,855,250, 12-17-74, Cl. 260-343.300.
Jernstrom, Karl W. Deodorized garbage compactor and appurtenances. 3,831,514, 8-27-74, Cl. 100-70.000.
Jeronimus, Patrick R., to Gillette Company, The. Shipping and display container. 3,799,332, 3-26-74, Cl. 206-44.00r.
Jerpbak, Selmer L. Device and method for facilitating the filling of flexible trash bags. 3,822,524, 7-9-74, Cl. 53-37.000.
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Jerry, Albert; and Baum, Jasper, to Sonotone Corporation, mesne. Articulated hearing aid temple and behind-the-ear hearing aid element. 3,825,700, 7-23-74, Cl. 179-107.00s.
Jerry, Frederick Lonnie. Liquid absorbing device having an endless towel belt. 3,813,723, 6-4-74, Cl. 15-119.00r.
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Jerson, Donald D.; and Minter, Herbert F., to Westinghouse Electric Corporation. High temperature-stable abrasion-resistant coatings for conductors. 3,844,834, 10-29-74, Cl. 117-226.000.
Jerue, Richard A., to Devlieg Machine Company. Machine tool with automatic tool changing mechanism. 3,810,299, 5-14-74, Cl. 29-568.000.
Jerue, Richard A., to Devlieg Machine Company. Machine tool with automatic tool changing mechanism. 3,823,466, 7-16-74, Cl. 29-568.000.
Jerue, Richard A., to Devlieg Machine Company. Power draw bolt. 3,823,642, 7-16-74, Cl. 90-11.00d.
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Jesevich, John; and Simkus, Vyto, to American Flange & Manufacturing Co., Inc. Method of making container closure construction. 3,800,401, 4-2-74, Cl. 29-432.200.
Jesevich, John; and Simkus, Vyto, to American Flange & Manufacturing Co., Inc. Closure feeding apparatus. 3,854,600, 12-17-74, Cl. 214-1.0bb.
Jesevich, John; and Simkus, Vyto, to American Flange & Manufacturing Co., Inc. Closure feeding method. 3,856,162, 12-24-74, Cl. 214-152.000.
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Jessop, Thomas C., to Eastman Kodak Company. Photographic processing solution filling and circulating apparatus. 3,851,662, 12-3-74, Cl. 137-563.000.
Jessup, Richard J., to Oxy Metal Finishing Corporation, mesne. Method for treating workpieces in bulk. 3,803,007, 4-9-74, Cl. 204-23.000.
Jessup, Wallace B., to Stebbins Engineering and Manufacturing Company, mesne. Glass fiber reinforced resin tank structures and method of fabricating. 3,843,429, 10-22-74, Cl. 156-69.000.
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Jeurissen, Lambert Gaston; Bollen, Romain Henri; Ghys, Theofiel Hubert; and Heylen, Renaat Frans, to Agfa-Gevaert N.V. Radiographic recording element and its use in radiography. 3,849,658, 11-19-74, Cl. 250-486.000.

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Jewett, Harold A. Frontward-rowing boat spanning angular oars having self-surfacing blades. 3,857,356, 12-31-74, Cl. 115-24.100.

Jewett, Vernon L. Necktie holing method and combination. 3,827,108, 8-6-74, Cl. 24-49.0cf.

Jewett, Warren R. Method and apparatus for treating multi-phase systems. 3,826,740, 7-30-74, Cl. 210-19.000.

Jewett, Warren R., to Jewett-Ashley Holding Corporation, mesne. Catheter advancing device with nip rollers. 3,835,854, 9-17-74, Cl. 128-214.400.

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Jezo, Maurice L., to International Telephone and Telegraph Corporation. Method and apparatus for determining tacan bearing. 3,836,864, 9-17-74, Cl. 331-1.00r.

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Obenchain, Keith T.; and Jimerson, James C., 3,832,607.

Jin, Jung Il: *See*—
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Jin, Jung Il, to Stauffer Chemical Company. Fire retardant cross-linked copolymers. 3,842,048, 10-15-74, Cl. 260-78.5bb.

Jin, Kunio: *See*—
Nimura, Takao; Jin, Kunio; and Komatsu, Hajime, 3,809,563.
Sakazume, Yugoro; Oshima, Akio; Jin, Kunio; Nakano, Masashi; and Uchida, Takashi, 3,833,379.

Jindra, Theodore H. Apparatus for shaping and welding plastic sheet material for packaging articles. 3,793,115, 2-19-74, Cl. 156-381.000.

Jines, Chester G. Baggage lift for motels. 3,820,632, 6-28-74, Cl. 187-3.000.

Jinguji, Jun; Nakano, Takao; Akiyama, Tadahiko; and Nakano, Hiroyuki, to Hitachi, Ltd. and Nippon Telegraph and Telephone Public Organization. Communication switching system provided with video signal generating means. 3,806,649, 4-23-74, Cl. 179-2.0tv.

Jinkawa, Nozomu, to Kawasaki Jukogyo Kabushiki Kaisha. Rotor cooling device in an oscillation type compressor. 3,827,833, 8-6-74, Cl. 417-482.000.

Jinno, Seizo: *See*—
Hamada, Yoshitugu; Nakamoto, Yasunori; and Jinno, Seizo, 3,808,955.

Jinno, Sigeru: *See*—
Uchida, Mitsuo; Jinno, Sigeru; Suzuki, Yoshiki; Itagaki, Ryuya; and Sumi, Tooru, 3,834,224.

Jinno, Sigeru; and Uchida, Mitsuo, to Toray Industries, Inc. Densimeter. 3,808,893, 5-7-74, Cl. 73-452.000.

Jintan Terumo Co., Ltd.: *See*—
Ichikawa, Hiroshi, 3,834,124.
Saijo, Mitsuaki, 3,788,374.

Jira, Arata, to Toyota Jidosha Kogyo Kabushiki Kaisha. Impact energy absorbing apparatus. 3,801,123, 4-2-74, Cl. 280-87.00r.

Jirak, Thomas L.: *See*—
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Jirauch, Charles W.: *See*—
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Jirgens, Zigfrids, Sr.: *See*—
Maruniak, Adam B.; and Jirgens, Zigfrids, Sr., 3,817,390.

Jirka, Howard F., to Zenith Radio Corporation. Line sequential color video encoding with equally contributed luminance. 3,832,483, 8-27-74, Cl. 178-5.4cd.

Jirkovsky, Ivo: *See*—
Demerson, Christopher A.; Humber, Leslie G.; Santroch, George; Dobson, Thomas A.; and Jirkovsky, Ivo, 3,833,575.
Demerson, Christopher A.; Humber, Leslie G.; Asselin, Andre A.; Jirkovsky, Ivo; and Dobson, Thomas A., 3,852,285.

Jirkovsky, Ivo L.: *See*—
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Jirkovsky, Ivo L., to American Home Products Corporation. Derivatives of 3-amino-2-cyclohexene-1-one. 3,823,189, 7-9-74, Cl. 260-577.000.

Jirousek, Arthur E., to Anderson Machine and Tool Works, Inc. Machine for cutting non-rigid materials. 3,815,458, 6-11-74, Cl. 83-83.000.

Jirousek, John K.; and Hickman, G. Daniel, to United States of America, Navy. Automatic jammer. 3,845,482, 10-29-74, Cl. 343-18.00e.

Jirousek, Thomas A., to Develco Manufacturing Company. Adjustable distributor. 3,817,234, 6-18-74, Cl. 123-146.50a.

Jirovetz, Andre J. Carpet strip installation apparatus. 3,805,862, 4-23-74, Cl. 145-46.000.

Jiruse, Jaroslav, to Adamovske strojirny, narodni podnik. Arrangement for generating control pulses for the adjustment of the level of a feed board, particularly for printing machines. 3,819,174, 6-25-74, Cl. 271-154.000.

Jiruse, Jaroslav, to Adamovske strojirny, narodni podnik. Apparatus for the adjustment of paper sheets. 3,843,116, 10-22-74, Cl. 271-183.000.

Jiskra, Miroslav: *See*—
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Jiu, James: *See*—
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Jividen, Norman D.; and Ludka, Joseph M. Randomex, Inc. 3,803,660, 4-16-74, Cl. Apparatus for cleaning discs.

J.M.J. Industries, Inc.: *See*—
Gundlach, Theodore F.; and Hawthorne, Arthur L., 3,792,568.

Jo-Line Tools, Inc.: *See*—
Trimble, Lester B.; and Sopinski, Zygmunt J., 3,783,703.
Trimble, Lester B.; and Sopinski, Zygmunt J., 3,788,132.

Joa, Curt G., Inc.: *See*—
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Joachim Erbprinz Zu Foustenberg: *See*—
Kwasnitschka, Karl, 3,785,477.

Joachimides, Thomas: *See*—
Liebergott, Norman; Clayton, David W.; Joachimides, Thomas; and Merka, Joseph, 3,806,404.

Joanis, Norman R.; and Lavoie, Raymond R. Knife blade and handle. 3,845,554, 11-5-74, Cl. 30-125.000.

Joanna Western Mills Company: *See*—
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Joannes, Giuseppe, to Finterm S.p.A. Gruppo Finanziario Termico. Combustion heads for burners. 3,817,685, 6-18-74, Cl. 431-116.000.

Joannes, Gustave: *See*—

Sluse, Guy; and Joannes, Gustave, 3,837,879.

Joannon, Jean J., to Societe Civile Bermec. Apparatus for controlling a tap automatically. 3,805,822, 4-23-74, Cl. 137-390.000.

Joannou, Constantinos J. Phonograph record player turntable and motor assembly. 3,786,288, 1-15-74, Cl. 310-68.000.

Joannou, Constantinos J. Phonograph record player tone arm assembly. 3,836,155, 9-17-74, Cl. 274-23.00r.

Joannou, Constantinos J. Teaching system and devices. 3,838,211, 9-24-74, Cl. 178-18.000.

Job, Andre, to Burroughs Corporation. Data monitoring apparatus including a plurality of presettable control elements for monitoring preselected signal combinations and other conditions. 3,831,149, 8-20-74, Cl. 340-172.500.

Job, Brian Ernest; and Medinger, Till, to Imperial Chemical Industries Limited. Polymerisation process. 3,830,788, 8-20-74, Cl. 260-94.90c.

Jobe, Benjamin L.: *See*—
Cannon, Glyn E.; Kruger, James R.; Short, Theodore A.; and Jobe, Benjamin L., 3,851,492.

Jobe, John D., to Shell Oil Company. Conductivity monitor. 3,808,523, 4-30-74, Cl. 324-30.00r.

Jobes, Forrest C., Jr.; and Hickok, Robert L., Jr., to Mobil Oil Corporation. Systems for measuring the properties of plasma with an ion probe. 3,833,851, 9-3-74, Cl. 374-71.0eb.

Jobling, James A., & Company Limited: *See*—
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Jobst Institute, Inc.: *See*—
Fowler, Susan M.; Gottfried, Carolyn Jobst; Mosiniak, Dennis G.; and Tenteris, Ansis U., 3,856,008.
Tenteris, Ansis U.; and Wetzel, Bruce W., 3,800,342.

Jobst, Raymond O.; and Perry, William A. Crane bucket equipment. 3,853,346, 12-10-74, Cl. 294-72.000.

Jocelyn, William E. File device. 3,815,967, 6-11-74, Cl. 312-327.000.

Jochaud du Plessix, Michel Guy Marie; and Lecouffe, Yves Jacques Felix, to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Electrochemical D.C. current transformer system. 3,798,527, 3-19-74, Cl. 320-66.000.

Jochen, Peter: *See*—
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Jochim, Friedrich; Peetz, Dieter; Karla, Heinz; and Luerssen, Hermann, to Compagnie de Saint-Gobain. Electrically heated glass window. 3,813,519, 5-28-74, Cl. 219-522.000.

Jochimski, Stefan. Boat fender and brake. 3,823,682, 7-16-74, Cl. 114-219.000.

Jochum, Christian: *See*—
Bartmann, Wilhelm; Alpermann, Hans-Georg; and Jochum, Christian, 3,829,572.

Jochum, Enos R. Apparatus for catching and crating poultry. 3,805,744, 4-23-74, Cl. 119-82.000.

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Jockey International, Inc.: *See*—
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Joco, Incorporated: *See*—
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Jocoy, Jesse L. Trailer hitch adapter. 3,840,252, 10-8-74, Cl. 280-415.00a.

Jocoy, Kenneth P.; and Nanus, Gregory. Apparatus for controlling fingerprint identification. 3,804,524, 4-16-74, Cl. 356-138.000.

Jonsak, William, to Ingersoll-Rand Company. Condenser tube support plate insert. 3,844,588, 10-29-74, Cl. 285-162.000.

Jodal, Sandor: *See*—
Mandzsu, Jozsef; Jagicza, Laszlo; Peter, Attila; Kellner, Laszlo; and Jodal, Sandor, 3,827,042.

Jodet, Alain; Noret, Hubert; and Demichelis, Jacques, to Etat Francais, represented by Ministere de l'Equipement et du Logement, Laboratoire Central des Ponts et Chaussees. Universal drilling machine. 3,786,874, 1-22-74, Cl. 173-49.000.

Jodon Engineering Associates AG: *See*—
Antes, Gregor, 3,847,469.

Joeck, Willi Friedrich, to National Rejectors Inc. GMBH. Coin testing device. 3,837,454, 9-24-74, Cl. 194-1.00k.

Joeckel, Stanley V.; and Zuidema, Richard, to Irex Corporation. Electrical infrared heater with a coated silicon carbide emitter. 3,805,024, 4-16-74, Cl. 219-553.000.

Joeckel, Stanley V., to Lincoln Manufacturing Company, Inc. Program timer with adjustable cam having shaft locking and removal means. 3,821,502, 6-28-74, Cl. 200-38.0ba.

Joel, Amos Edward, Jr., to Bell Telephone Laboratories, Incorporated. Intermedium magnetic domain logic control arrangement. 3,811,118, 5-14-74, Cl. 340-174.0tf.

Joelson, Karl Evert Anders, to AB Vabyma, mesne. Device for diving a fluid flow into predetermined proportions. 3,850,081, 11-26-74, Cl. 91-413.000.

Joerchel, Egon; and Kohlhaas, Rudolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the recovery of antimony pentachloride from catalyst solutions. 3,784,671, 1-8-74, Cl. 423-88.000.

Joeres, Paul: *See*—
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Joerns Furniture Company: *See*—
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Joesting, Frederick D., to Honeywell Inc. Long timing, slow flow device. 3,783,892, 1-8-74, Cl. 137-493.000.

Joffe, Frederick Martin: *See*—
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Joh, Seiji: *See*—
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Joh, Yasushi; and Sugimori, Teruhiko, to Mitsubishi Rayon Company Limited. Method of manufacturing acrylonitrile polymers having an excellent whiteness. 3,813,372, 5-28-74, Cl. 260-88 70r

Johannes, Alfred: *See*—
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Johannes, John H. Gooseneck trailer hitch fixture for pick-up trucks. 3,790,188, 2-5-74, Cl. 280-423.000.

Johannes, Robert: *See*—
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Johannessen, Jorgen Mosbaek, 1/2 to Sorensen, Per Pontoppidan Universal basin for use in a sewer system. 3,815,748, 6-11-74, Cl. 210-163.000.

Johannessen, Paul R.: *See*—
Ver Planck, Peter; and Johannessen, Paul R., 3,832,573.

Johannessen, Paul R., to Mesapulse Incorporated. Magnetic pulse compression radio-frequency generator apparatus. 3,786,334, 1-15-74, Cl. 321-45.00r.

Johanns, Johannes Hendricus Maria, De Boer, Thijs Johannes, Van Gelder, Zeger; and Mattheij, Mathieu Martinus Maria Petros, to U.S. Philips Corporation. Gas discharge display device. 3,803,586, 4-9-74, Cl. 340-324.00m.

Johanns, Johannes Hendricus Maria; Van Roosmalen, Johannes Hendricus; and De Boer, Thijs Johannes, to U.S. Philips Corporation. Display device with a channel plate and a cross bar electrodes addressing system. 3,819,969, 6-25-74, Cl. 313-105.000.

Johanns, Johannes Hendricus Maria; De Boer, Thijs Johannes; De Haan, Edward Fokko; Van Gelder, Zeger; and Mattheij, Mathieu Martinus Maria Petrus, to U.S. Philips Corporation. Picture display device comprising a plurality of light producing elements. 3,836810, 9-17-74, Cl. 313-484.000.

Johanns, Johannes Hendricus Maria; and Hasker, Jan, to U.S. Philips Corporation. Cathode-ray tube having an astigmatic lens element in its electron gun. 3,852,608, 12-3-74, Cl. 313-449.000.

Johannsen, Hans Werner, to Braun Aktiengesellschaft. Indicating mechanism for a projection apparatus. 3,832,050, 8-27-74, Cl 353-42.000.

Johannsen, Hans Werner, to Braun Aktiengesellschaft. Storage magazine for diapositive slides. 3,843,246, 10-22-74, Cl. 353-117.000.

Johannsmeier, Karl-Heinz, to Kasper Instruments, Inc. Method and means for forming an aligned mask that does not include alignment marks employed in aligning the mask. 3,844,655, 10-29-74, Cl. 355-43.000.

Johannsson, Paul. *See*—
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Johansen, Harold R.: *See*—
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Johansen, Ole Bjerke. Device in water closets. 3,798,681, 3-26-74, Cl. 4-85.000.

Johansen, Thor H. Method of treating raw cellulosic materials. 3,785,920, 1-15-74, Cl. 162-19.000.

Johanson, Carl E.: *See*—
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Johanson, Clarence Ruben. Feed distributing apparatus. 3,817,216, 6-18-74, Cl 119-52.0af.

Johanson, Donald L.; and Stutz, Rolf, to Audivox, Inc. Hearing aid having selectable directional characteristics. 3,836,732, 9-17-74, Cl. 179-107.0fd.

Johanson, Edward E.: *See*—
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Johanson, Hans A.; Whittaker, Dewey E.; and Phillippi, Larry R., to Moore, Samuel, & Company. Composite hose for conductive fluid 3,828,112, 8-6-74, Cl. 174-47.000.

Johanson, Jerry R.: *See*—
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Johansson, Allan Hilbert, to AB Bahco Ventilation. Arrangement in heat exchangers. 3,834,171, 9-10-74, Cl. 62-3.000.

Johansson, Anders, to Johansson, Tor. Vehicle lifting device. 3,836,014, 9-17-74, Cl. 214-1.00a.
Johansson, Arne: *See—*
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Johansson, Arne; and Lyckstedt, Bertil, to Allmanna Svenska Elektriska Aktiebolaget. Enclosed surge diverter. 3,821,608, 6-28-74, Cl. 317-62.000.
Johansson, Axel Bernhard. Spectrometer in which a desired number of spectral lines are focused at one fixed output slit. 3,791,737, 2-12-74, Cl. 356-79.000.
Johansson, Bengt. Device for taking caught fish out of the water. 3,844,602, 10-29-74, Cl. 294-110.00a.
Johansson, Bengt, to Centro-Maskin i Goteborg AB. Safety hood for grinding discs. 3,849,088, 11-19-74, Cl. 51-269.000.
Johansson, Bjorn-Olow, to Alfa-Laval AB. Piston and cylinder apparatus with cleaning arrangement. 3,818,805, 6-25-74, Cl. 92-13.100.
Johansson, C. E., AB: *See—*
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Johansson, Eric H., Jr., to Dorsey Gage Co., Inc. Gage. 3,839,799, 10-8-74, Cl. 33-147.00k.
Johansson, Ernst Lennar; and Lumen, Karl Lennart Gosta, to Sandvik Aktiebolag. Drill rod coupling. 3,822,952, 7-9-74, Cl. 403-343.000.
Johansson, Folke, to Granges Engineering Aktiebolag. Method of heating goods and a heating furnace. 3,852,026, 12-3-74, Cl. 432-23.000.
Johansson, Folre: *See—*
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Johansson, Hans Arne Valentin. Lifting and transporting device for disabled persons. 3,790,974, 2-12-74, Cl. 5-86.000.
Johansson, Inge J. G. Grinding apparatus for vegetable materials. 3,845,909, 11-5-74, Cl. 241-65.000.
Johansson, Jarl Harald: *See—*
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Johansson, Johan A. E., to International Standard Electric Corporation. Tearable insulation sheath for cables. 3,812,282, 5-21-74, Cl. 174-68.00c.
Johansson, Johan Gunnar Inge, to Defibrator Aktiebolag. Grinding apparatus. 3,827,644, 8-6-74, Cl. 241-259.300.
Johansson, Karl Lennart Birger; and Wikholm, Karl Oskar, to Interwest General Corporation, mesne. Method of manufacturing sandwich elements. 3,843,486, 10-22-74, Cl. 156-276.000.
Johansson, Kurt Eilert: *See—*
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Johansson, Lennart; and Horvath, Josef, to Allmanna Svenska Elektriska Aktiebolaget. Spreader for cargo containers. 3,799,601, 3-26-74, Cl. 294-81.0sf.
Johansson, Lennart Ragnar; and Tenne, Lave, to Hasselbed, Fritz Victor. Control device for an exposure meter for photographic cameras. 3,800,684, 4-2-74, Cl. 354-58.000.
Johansson, Odd Olov. Apparatus for determination of courses on nautical charts etc. 3,846,913, 11-12-74, Cl. 33-76.00v.
Johansson, Per U., to Johansson, Unoma, & Co., Firma. Freight brace. 3,795,202, 3-5-74, Cl. 105-369.00s.
Johansson, Rolf Anders Gunnar. Centrifugal clutches in series with brake. 3,785,465, 1-15-74, Cl. 192-48.500.
Johansson, Rolf Anders Gunnar. Safety device in motor saw centrifugal clutch mechanisms. 3,807,538, 4-30-74, Cl. 192-104.00c.
Johansson, Ronald C.; and Vogel, Norman P., to Minnesota Mining and Manufacturing Company. Connector. 3,793,611, 2-19-74, Cl. 339-98.000.
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Johansson, Sture Ragnar; and Carlsson, Hilding Ake Gerry, to Monark-Crescent AB. Control and security device for burners. 3,825,397, 7-23-74, Cl. 431-79.000.
Johansson, Sven Lissol; and Lundblad, Leif, to Norob System AB. Cash register intended for safe and fast operation during reception and issue of banknotes and comparable documents. 3,828,166, 8-6-74, Cl. 235-7.09a.
Johansson, Tor: *See—*
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Johansson, Trik Lennart Waldemar. Device for holding a ring-formed workpiece intended to be machines on its inner envelope surface. 3,789,553, 2-5-74, Cl. 51-237.00r.
Johansson, Uno Waldemar, to Teem Incorporated AB. Air conditioning unit. 3,834,453, 9-10-74, Cl. 165-54.000.
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John, Andrew E. Vehicle occupant restraint system. 3,795,412, 3-5-74, Cl. 280-150.0ab.
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Baum, Hans; Reinicke, Ralf; and John, Dieter, 3,852,564.
John, Erwin Roy; and Laupheimer, Robert, to Neuro-Data, Inc. Hearing testing method and audiometer. 3,799,146, 3-26-74, Cl. 128-2.10b.
John, Harald: *See—*
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John, Robert Sawyer, Jr., to Bell & Howell Company. Optical document sensor for reading machines. 3,836,248, 9-17-74, Cl. 355-50.000.
John-Manville Corporation: *See—*
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Mohr, John Gilbert, 3,850,869.
Johncock, Allan W., to Standard Oil Company. Electronic speed governor for a turbine. 3,834,830, 9-10-74, Cl. 415-30.000.
Johndrow, John Paul; and Turner, Harold Roy, to Turner, H. R., Willenhall Limited. Vehicle seats and mechanism therefor. 3,840,268, 10-8-74, Cl. 297-366.000.
Johne, Albrecht; Forster, Karl Heinz; and Schanze, Klaus, to VEB Polygraph Leipzig, Komibnat fur Polygraphische Maschinen und Ausrustungen. Control arrangement for multiple color printing machines. 3,818,827, 6-25-74, Cl. 101-184.000.
Johne, Hans: *See—*
Forster, Karl-Heinz; Vetter, Lothar; Johne, Hans; and Schanze, Klaus, 3,831,100.
Johne, Hans; Schumann, Gunter; Jehring, Arnfried; and Reichenberger, Kurt, to VEB Polygraph Leipzig Kombinat fur Polygraphische Machinen und Ausrustungen. Device for rapidly and precisely mounting flexible printing plates. 3,795,193, 3-5-74, Cl. 101-415.10.
Johnke, Winfried: *See—*
Steinberg, Diedrich; Johnke, Winfried; Roth, Helmut; Ruf, Walter; Steinbrenner, Ulrich; and Linstedt, Hans, 3,854,466.
Johns, Burton A., 1/4 each to Loechner, John M., Griff, John K. and Griff, Gary J. Modular nestable pallet. 3,857,342, 12-31-74, Cl. 108-53.000.
Johns, Harold W., to General Motors Corporation. Garment hook and garnish molding retainer. 3,845,890, 11-5-74, Cl. 224-42.10c.
Johns, Henry Van Dyke. Continuous fiber tennis racquet. 3,787,051, 1-22-74, Cl. 273-73.00i.
Johns Hopkins University, The: *See—*
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Johns, Martha Marie; and Lynch, John Andrew, Jr., to Du Pont de Nemours, E. I., and Company. Disposable diaper. 3,815,602, 6-11-74, Cl. 128-287.000.
Johns, Max F., to General Zipper Corporation. Closure arrangement for coil filament zippers. 3,822,444, 7-9-74, Cl. 24-205.13c.
Johns, Paul A.: *See—*
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Bergson, Arnold A.; and Johns, Paul A., 3,853,200.
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Johns, Reed L. Dual wheel mounting assembly. 3,840,273, 10-8-74, Cl. 301-36.00r.
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Johnsen, Erich Cornelius. Radiation detection of low pressure in pneumatic tires. 3,801,787, 4-2-74, Cl. 250-388.000.
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Johnson, Arthur L. Mulch packet. 3,857,195, 12-31-74, Cl. 47-32.000.

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Johnson, Bertram C.; and Steinmetz, Lloyd L., to United States of America, Atomic Energy Commission. Synchronously driven q-switched or q-switched-mode-locked laser oscillator. 3,815,046, 6-4-74, Cl. 331-94.500.

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Johnson, Bobby G. Fiberglass pour-in-place form. 3,835,608, 9-17-74, Cl. 52-426.000.

Johnson, Boyd R. Non-corrosive aquarium lamp assembly. 3,849,700, 11-19-74, Cl. 315-72.000.

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Johnson, Cecil J. Method and apparatus for reducing nitrogen oxide air pollution. 3,782,115, 1-1-74, Cl. 60-274.000.

Johnson, Cecil J., to Total Energy Corporation. Hydrocracking of coal liquids. 3,839,191, 10-1-74, Cl. 208-108.000.

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Johnson, Chester A. Process for preparation and preservation of eggs. 3,857,980, 12-31-74, Cl. 426-250.000.

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Johnson, Christopher Linley, to Rolls-Royce (1971) Limited. Control system. 3,816,715, 6-11-74, Cl. 235-150.100.

Johnson, Claiborne H., Jr.; and Foote, Robert S., to Texas Instruments, Incorporated. Method and apparatus for aerial radioactivity surveying for surface mineral deposits which compensates for the radioactive decay products in the atmosphere of the earth. 3,825,751, 7-23-74, Cl. 250-253.000.

Johnson, Clarence R.; and Kidder, Jay T. Arm rest. 3,841,702, 10-15-74, Cl. 297-416.000.

Johnson, Clarence S. Temperature responsive valve assembly. 3,838,812, 10-1-74, Cl. 236-99.000.

Johnson, Clark E., Jr.; and Richman, Peter L., to Micro Communications Corporation. Sound reproducing apparatus in which the drive means operates in response to a prerecorded control signal. 3,846,831, 11-5-74, Cl. 360-74.000.

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Johnson, Coyote, to Atkins & Merrill, Incorporated. Map display system. 3,783,542, 1-8-74, Cl. 40-132.00r.

Johnson, Craig A., to Aladdin Industries, Incorporated. Vacuum insulated carafe. 3,844,450, 10-29-74, Cl. 222-183.000.

Johnson, Curtiss S., Jr., to Johnson, C. Sherman, Co., Inc. Steering mechanism for sailboats and the like. 3,810,440, 5-14-74, Cl. 114-162.000.

Johnson, Dale R., to Nörfin, Inc. No-counter sorter-stacker. 3,848,867, 11-19-74, Cl. 271-173.000.

Johnson, Daniel B., to Anaconda Company, The. Glass insulated magnet wire. 3,842,193, 10-15-74, Cl. 174-120.00c.

Johnson, Daniel D., to Du Pont de Nemours, E. I., and Company. Antistatic additive compositions. 3,811,848, 5-21-74, Cl. 44-62.000.

Johnson, Daniel E. Photo projection drawing board. 3,837,740, 9-24-74, Cl. 353-122.000.

Johnson, Darrell. Combination article carrier. 3,796,357, 3-12-74, Cl. 224-5.00r.

Johnson, David E.; and Polsfuss, Terrance E., to Despatch Industries, Inc. Ovens. 3,782,892, 1-1-74, Cl. 432-132.000.

Johnson, David E., to Mobil Oil Corporation. Apparatus for extrusion of thermoplastics. 3,785,760, 1-15-74, Cl. 425-207.000.

Johnson, David E.; and Rehfeld, Frederick, to General Motors Corporation. Fluid pump with flow control means. 3,788,770, 1-29-74, Cl. 417-62.000.

Johnson, David E., to Mobil Oil Corporation. Method and apparatus for extrusion of thermoplastics. 3,821,129, 6-28-74, Cl. 260-2.50e.

Johnson, David Emil, to Mobil Oil Corporation. Apparatus for butt welding thermoplastics sheets and films. 3,834,971, 9-10-74, Cl. 156-507.000.

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Johnson, Delbert L.; and Muehleman, Kenneth B., to Johnson, Delbert L. Method and circuit for providing an optically coupled linear isolator. 3,818,235, 6-18-74, Cl. 250-551.000.

Johnson, Delf W., Poole & Storm, Architects: *See*—
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Johnson, Delmar R.; and Elkus, Rickard J., Jr., to Ampex Corporation. Magnetic tape recording and/or reproducing apparatus having means to relocate a previous termination of recording or reproducing. 3,852,814, 12-3-74, Cl. 360-72.000.

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Johnson, Delp W. Method of forming a multi-unit folding slab construction for use of restricted building site. 3,828,512, 8-13-74, Cl. 52-745.000.

Johnson, Delp W. Method of erecting foldable building structures. 3,831,337, 8-27-74, Cl. 52-745.000.

Johnson, Delp W. Method of threading a cable through panel and tube sections to make a folding structure. 3,834,005, 9-10-74, Cl. 29-433.000.

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Johnson, Donald C., to Ludlow Corporation. Slip-resistant mat. 3,804,699, 4-16-74, Cl. 161-39.000.

Johnson, Donald R.; and Sawers, James R., Jr., to Du Pont de Nemours, E. I., and Company. Diamond joined to metal. 3,856,480, 12-24-74, Cl. 29-195.000.

Johnson, Donald W., to Snyder Manufacturing Company Inc. Animal anesthesia machine. 3,794,027, 2-26-74, Cl. 128-188.000.

Johnson, Dwight N., to Singer Company, The. Axial flow valve. 3,836,113, 9-17-74, Cl. 251-5.000.

Johnson, Dwight N. Method of assembling an axial flow valve. 3,838,704, 10-1-74, Cl. 137-15.000.

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Johnson, Earl C.; and Hiseler, Stanley Robert, to Deere & Company. Felling head structure. 3,826,295, 7-30-74, Cl. 144-34.00e.

Johnson, Earl Clinton, to Deere & Company. Collapsible link for a tree shear. 3,808,909, 5-7-74, Cl. 74-585.000.

Johnson, Earl E.: *See*—
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Johnson, Earl S. Sport shoe conversion attachment. 3,822,489, 7-9-74, Cl. 36-2.50c.

Johnson, Edgar G., to Minnesota Mining and Manufacturing Company. Hand retroviewer. 3,832,038, 8-27-74, Cl. 350-236.000.

Johnson, Edgar G., Jr.; and Cornelison, James J. Light filter unit having snap-action device for shifting filter means into and out of operative position. 3,813,167, 5-28-74, Cl. 356-74.000.

Johnson, Edgar G., Jr.; and Cornelison, James J., to Micromedic Systems, Inc. Apparatus for transferring a liquid from one container to another. 3,826,621, 7-30-74, Cl. 23-259.000.

Johnson, Edward. Furniture module. 3,787,909, 1-29-74, Cl. 5-352.000.

Johnson, Edward A.; Miedaner, Wendelin H.; and Larson, Warren E., to Swift & Company. Food processing system. 3,850,089, 11-26-74, Cl. 99-483.000.

Johnson, Edward B. Composition for reducing co emission. 3,820,962, 6-28-74, Cl. 44-56.000.

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Johnson, Edward P.; and Waite, Ross E. Measuring apparatus. 3,845,883, 11-5-74, Cl. 222-30.000.

Johnson, Edwin A.; Knockeart, Ronald P.; and Russo, Frank A., to Bendix Corporation, The. Symmetrically encoded label for automatic label reading systems. 3,808,405, 4-30-74, Cl. 235-61.12n.

Johnson, Edwin S.: *See*—
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Johnson Enterprise Co., Ltd.: *See*—
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Johnson, Eric P.: *See*—
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Johnson, Erlon Fitch: *See*—
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Johnson, Ernest D., to Goodyear Tire & Rubber Company, The. High speed passenger conveyor. 3,799,060, 3-26-74, Cl. 104-18.000.

Johnson, Ernest D.; Kirschner, Gerald D.; Kondrajian, Edward; and Woodling, Gerald L., to Goodyear Tire & Rubber Company, The. Transportation system. 3,811,385, 5-21-74, Cl. 104-167.000.

Johnson, Everett A.: *See*—
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Johnson, Everett A.; and Silverman, Daniel. Holographic systems. 3,807,828, 4-30-74, Cl. 350-3.500.

Johnson, Everett M.; Vermillion, Herbert E.; and Wetmiller, Robert S., to Texaco Inc. Service station gasoline vapor recovery system. 3,791,422, 2-12-74, Cl. 141-11.000.

Johnson, Everett M.; and Wetmiller, Robert S., to Texaco Inc. Vaporizable fuel transfer system and seal therefor. 3,805,857, 4-23-74, Cl. 141-287.000.

Johnson, Everett M., to Texaco Inc. Fuel-dispensing nozzle seal. 3,845,792, 11-5-74, Cl. 141-46.000.

Johnson, Everett R.; and Holtzcheiter, Earl W., Jr., to United States of America, Atomic Energy Commission. Fixation of nitrogen to form nitrates. 3,801,484, 4-2-74, Cl. 204-157.10h.

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Johnson, Floyd C., to Dow Chemical Company, The. Film size control apparatus and method. 3,821,339, 6-28-74, Cl. 264-40.000

Johnson, Frances H. Pet door structure. 3,797,554, 3-19-74, Cl. 160-354.000.

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Johnson, Frank B.; and Palm, Theodore O., to Davis Electric Company. Apparatus and method for continuous spooling. 3,837,589, 9-24-74, Cl. 242-25.00a.

Johnson, Frederick Mark. Mobile communication console 3,827,772, 8-6-74, Cl. 312-7.00r

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Johnson, George R., to Ranpak Corporation, mesne. Cushioning dunnage mechanism and method. 3,799,039, 3-26-74, Cl. 93-1.00w.

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Johnson, George Verne. Hydraulic auto winch. 3,788,605, 1-29-74, Cl. 254-150.0fh

Johnson, George W.; and Teichner, Maurice D., to Presin Company, Inc. Electronic counter. 3,824,378, 7-16-74, Cl. 235-92.0pe.

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Johnson, Gladys M. Anti-skid device for boots and shoes. 3,838,528, 10-1-74, Cl. 36-7.700.

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Johnson, Jack, to Hunt & Moscrop Limited. Textile fabric or paper shrinking machines. 3,832,758, 9-3-74, Cl. 26-18.600.
Johnson, James C., to General Cable Corporation. Layer winding wire using an electric eye as a control. 3,814,348, 6-4-74, Cl. 242-158.00r.
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Johnson, James D.; and Maytum, Alan T., to Rockwell International Corporation. Wheel speed sensor. 3,812,391, 5-21-74, Cl. 310-168.000.
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Johnson, James E., to Construction Machinery Company. Mounting device for mobile concrete mixing drum. 3,785,622, 1-15-74, Cl. 259-176.000.
Johnson, James R. Pipe cutting and beveling tool. 3,856,283, 12-24-74, Cl. 266-23.0nn.
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Johnson, Lloyd D.; and Raudat, John L., to Emhart Corporation. Apparatus for opening a carton flap. 3,852,942, 12-10-74, Cl. 53-382.000.
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Johnson, Marvin M.; Tabler, Donald C.; and Nowack, Gerhard P., to Phillips Petroleum Company. Selective hydrogenation employing nickel arsenide catalyst. 3,787,511, 1-22-74, Cl. 260-666.00a.
Johnson, Marvin M.; and Nowack, Gerhard P., to Phillips Petroleum Company. Selective hydrogenation of aromatics. 3,793,383, 2-19-74, Cl. 260-667.000.
Johnson, Marvin M.; and Kuper, Donald G., to Phillips Petroleum Company. Dehydration of 3-methyl-3-buten-1-ol. 3,809,727, 5-7-74, Cl. 260-681.000.
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Johnson, Oliver D.; and Maynard, Kenneth B., to International Business Machines Corporation. Continuous card form. 3,809,410, 5-7-74, Cl. 281-5.000.
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Johnson, Raymond E.; Miller, Wendell E.; and McMillen, Kenneth G.; deceased (by McMillen, Leanne S., administratrix), to Borg-Warner Corporation. Open center control of variable pumps. 3,788,077, 1-29-74, Cl. 60-452.000.

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Johnson, Richard G. Rotary piston machine. 3,807,368, 4-30-74, Cl. 123-8.470.

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Johnson, Robert. Fluid pressure device. 3,810,723, 5-14-74, Cl. 428-205.000.

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Johnson, Robert A., to Rockwell International Corporation. Stable and compact low frequency filter. 3,858,127, 12-31-74, Cl. 333-72.000.

Johnson, Robert Allen, to Deere & Company. Tapered keyway checking gauge. 3,845,567, 11-5-74, Cl. 33-174.00e.

Johnson, Robert Allen; and Raisbeck, Wesley Paul, to Deere & Company. Tapered bore checking gauge. 3,845,568, 11-5-74, Cl. 33-174.00e.

Johnson, Robert B.; and Robert, Louis F., to Fibreboard Corporation. Bag packing apparatus. 3,834,115, 9-10-74, Cl. 53-55.000.

Johnson, Robert C.: *See—*
Neel, Robert M.; Lloyd, Clarence Robert; and Johnson, Robert C., 3,788,331.

Johnson, Robert C.; and Merrifield, Richard E., to Du Pont de Nemours, E. I., and Company. Modulation by a magnetic field of electromagnetic radiation produced by the decay of triplet states. 3,850,506, 11-26-74, Cl. 350-160.00p.

Johnson, Robert Carol, to Modulus Corporation. Strain indicator and method. 3,850,133, 11-26-74, Cl. 116-114.00r.

Johnson, Robert E.: *See—*
Carr, Keith E.; and Johnson, Robert E., 3,815,171.

Johnson, Robert E., to Whittaker Corporation. Vehicle traction bar. 3,788,629, 1-29-74, Cl. 267-66.000.

Johnson, Robert F., to Phillips Petroleum Company. Polyolefin blends with occluded nitrogenous heterocyclic polyamides in the fibers differentially dispersed dyes. 3,820,949, 6-28-74, Cl. 8-21 00b.

Johnson, Robert H.: *See—*
Garrett, Jim C.; Johnson, Robert H.; Shelton, Jack; and Sherwood, Ross E., 3,795,937.
O'Dea, Orrin B.; and Hanneman, Thomas W., 3,792,210.
O'Dea, Orrin B.; and Arce, Luis Albert, 3,822,366.
Richardson, John L., 3,795,830.

Johnson, Robert H.; and Phillips, Melvin C. Multi-channel combustible gas detector. 3,815,114, 6-4-74, Cl. 340-237.00r.

Johnson, Robert J.: *See—*
Weiss, Harald H.; and Johnson, Robert J., 3,786,257.

Johnson, Robert J. Joint forming and sealing device. 3,782,846, 1-1-74, Cl. 404-48.000.

Johnson, Robert L.: *See—*
Bhuta, Pravin G.; Johnson, Robert L.; Aprahamian, Robert; and Jacoby, Jerold L., 3,812,454.
Bhuta, Pravin G.; Johnson, Robert L.; and Graham, Douglas J., 3,831,756.
Bhuta, Pravin G.; Johnson, Robert L.; Graham, Douglas J.; and Aprahamian, Robert, 3,836,950.

Johnson, Robert L. Fishing rod holder. 3,824,730, 7-23-74, Cl. 43-17.000.

Johnson, Robert N.; and Karol, Frederick J., to Union Carbide Corporation. Polymerization of ethylene with supported π allyl chromium complexes. 3,836,595, 9-17-74, Cl. 260-683.15d.

Johnson, Robert P.: *See—*
Bordenca, Carl; Johnson, Robert P.; and Dorschner, Kenneth P., 3,826,842.
Hall, Roger D.; and Johnson, Robert P., 3,820,117.

Johnson, Robert Phillip, to Abbott Laboratories. Accelerating the lysis of blood clots. 3,821,365, 6-28-74, Cl. 424-94.000.

Johnson, Robert T.: *See—*
Beck, Robert J.; Heikkinen, Wilbert; and Johnson, Robert T., 3,782,219.

Johnson, Robert W.: *See—*
Fahey, Wm. David; and Johnson, Robert W., 3,832,488.
Taylor, Victor E.; Choate, Wallace R.; Banachowski, Stanley; Johnson, Robert W.; and Faison, Robert C., 3,835,743.

Johnson, Robert W.; Wave, George H.; Golden, William R.; and Mosquera, Hugo O., to International Harvester Company. Safety lock lever and starting safety switch operable thereby. 3,811,020, 5-14-74, Cl. 200-61.880.

Johnson, Robert W. Jr.: *See—*
Kobetz, Paul; Laran, Roy J.; and Johnson, Robert W. Jr., 3,832,456.
Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., 3,812,195.
Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., 3,830,906.
Shepherd, Lawrence H., Jr.; Kobetz, Paul; Laran, Roy J.; and Johnson, Robert W., Jr., 3,847,998.

Johnson, Robert William: *See—*
Raddi, William J.; and Johnson, Robert William, 3,826,246.

Johnson, Robert William; and Shanker, Irvin Paul, to ESB Incorporated. Dual film picture viewer. 3,811,759, 5-21-74, Cl. 352-79.000.

Johnson, Roger L.; and Coates, William J., to University of Illinois Foundation. Optical read-out/read-in apparatus for plasma display/memory panels. 3,796,997, 3-12-74, Cl. 340-173.0pl.

Johnson, Roger W.: *See—*
Curcio, Joseph; Hufstetler, Perry P.; and Johnson, Roger W., 3,801,772.

Johnson, Roland N.; and Anderson, Jon A., to Morton-Norwich Products, Inc. 2-p-Nitro- or p-chlorobenzamidoacetohydroxamic acid. 3,787,569, 1-22-74, Cl. 424-229.000.

Johnson, Roland N.; and Andersen, Jon A., to Morton-Norwich Products, Inc. 2-p-Nitro-benzamidoacetohydroxamic acid. 3,804,888, 4-16-74, Cl. 260-500.50h.

Johnson, Roland N.; and Andersen, Jon A., to Morton-Norwich Products, Inc. 2-p-Nitro-benzamidoacetohydroxamic acid for treating urinary tract infections. 3,839,580, 10-1-74, Cl. 424-299.000.

Johnson, Ronald: *See—*
Yarrow, Christopher John; and Johnson, Ronald, 3,858,107.

Johnson, Ronald F., to United States of America, Army. Method and apparatus for rapid subsurface exploration. 3,836,952, 9-17-74, Cl. 340-15.5cp.

Johnson, Ronald Leslie: *See—*
Hoy, Herbert Raymond; Johnson, Ronald Leslie; and Battcock, Whalley Vowe, 3,784,108.

Johnson, Roy A.: *See—*
Calvert, Rodney K.; and Johnson, Roy A., 3,850,282.

Johnson, Roy B.: *See—*
Ristvedt, Victor G.; and Johnson, Roy B., 3,830,142.

Johnson, Roy D.; and Rubis, Casimer Joseph, to United States of America, Navy. Dynamic braking of a gas turbine powered ship propulsion system utilizing a D.C. electric drive. 3,812,411, 5-21-74, Cl. 318-376.000.

Johnson Rubber Company, The: *See—*
Finefrock, Doanld W., 3,799,101.
Finefrock, Donald W., 3,826,547.
Forschner, Andrew C., 3,841,818.

Johnson, Russell L.; Peerenboom, Robert J.; Fries, Donald M., Kaczmarzyk, Leonard M.; and Buss, Arnold J., to Kimberly-Clark Corporation. Conformable absorbent tampon and inserter device therefor. 3,857,395, 12-31-74, Cl. 128-263.000.

Johnson, S. C., & Son, Inc.: *See—*
Dill, Douglas W., 3,817,897.
D'Orazio, Vincent T., 3,792,079.
Hagarty, John D., 3,856,896.
Kandathil, Thomas V.; and Johnson, S. C., & Son, Inc., 3,833,393.
Lajiness, Thomas A., 3,825,555.
Lo, Mei-Kuo, Thompson, Gary R.; and Sheppard, Erwin, 3,795,137.
Thornton, James C.; and Whyte, Donald E., 3,790,081.

Johnson Service Company: *See—*
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Broker, David C.; and Wisniewski, Judith L., 3,826,284.
Buchanan, Stuart R.; Froehling, Paul H.; Oman, Gary F.; and Huebner, Thomas W., 3,845,472.
Chacon, Manuel Frank, 3,814,987.
Chacon, Manuel Frank, 3,852,727.
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Donovan, John C.; Klein, Carl F.; Korta, Lawrence B.; and Krishnaiyer, Ramesh, 3,792,470.
Hajny, Charles Emil, 3,803,923.

Hayes, Thomas Edward; and Bechtel, Jon Harold, 3,792,400.
Hilgert, Adolph J., 3,784,334.
Huebner, Thomas W., 3,798,608.
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Strawn, Charles F., 3,848,411.
Strojny, Lawrence J.; and Froehling, Paul H., 3,832,688.
Strouny, Lawrence J., 3,796,995.
Thoma, Paul E., 3,802,268.
Thoma, Paul E.; and Atkinson, Louis D., 3,850,038.
Thomas, Paul E.; and Colla, Jeannine O., 3,814,998.

Johnson Service Company, mesne: *See—*
Nettles, Robert G., 3,849,674.

Johnson, Sidney D.: *See—*
Frankeny, Richard F.; and Johnson, Sidney D., 3,794,831.

Johnson, Stanley G., to Johnson Gage Company, The. Screw thread gage using drag for testing. 3,816,934, 6-18-74, Cl. 33-199.00r.

Johnson, Stanley G., to Johnson Gage Company, The. Stud for a movable gaging element and its combination with the gaging element and with a gage. 3,844,046, 10-29-74, Cl. 33-147.00m.

Johnson, Stephen C.; and Ward, Jesse C. Illuminated flying saucer. 3,786,246, 1-15-74, Cl. 240-6.40r.

Johnson, Stephen I.; and Thompson, Harry B., to Hastings Manufacturing Company. Low friction piston ring. 3,814,444, 6-4-74, Cl. 277-139.000.

Johnson, Tage George. Air conditioner covers. 3,831,321, 8-27-74, Cl. 49-465.000

Johnson, Theodore B. Ground anchor. 3,810,364, 5-14-74, Cl. 61-72.100.

Johnson, Theodore E., Jr.; and Dahn, Edward W., to Comdel, Inc. Spread rate controller. 3,792,709, 2-19-74, Cl. 137-47.000.

Johnson, Theodore K.; and Sataloff, Joseph, to Marion Health and Safety, Inc. Method of making an aural hearing protecting device. 3,833,701, 9-3-74, Cl. 264-129.000.

Johnson, Thomas D., to General Electric Company. Archimedes spiral wobble control. 3,822,045, 7-2-74, Cl. 242-83.000.

Johnson, Thomas J.; and O'Rourke, John F., to Celestron Pacific. Method for making replica contour block masters for producing schmidt corrector plates. 3,837,124, 9-24-74, Cl. 51-283.000.

Johnson, Thomas J., to Celestron Pacific. Method and system for making schmidt corrector lenses. 3,837,125, 9-24-74, Cl. 51-284.000.

Johnson, Thomas R.: *See—*
Freismuth, Richard J.; and Johnson, Thomas R., 3,831,567.

Johnson, Tom W.; and Johnson, Joe L., to Sajar Plastics, Inc. Molded plastic plumbing fixture. 3,796,380, 3-12-74, Cl. 239-590.500.

Johnson, Vern; and Snyder, Bobbie L., to Fixtures Manufacturing Corporation. Chair structure. 3,827,749, 8-6-74, Cl. 297-248.000.

Johnson, Vern Harry; and Harms, Robert George. All-craft level. 3,832,782, 9-3-74, Cl. 33-88.000.

Johnson, Verne E. Siphon. 3,783,888, 1-8-74, Cl. 137-145.000.

Johnson, Verner A. Metal layer rivetform and two layer assembly. 3,828,517, 8-13-74, Cl. 52-758.00d.

Johnson, Victor C., Jr. Deflection tester. 3,818,753, 6-25-74, Cl. 73-94.000.

Johnson, Victor P.: *See—*
Evnas, John L.; De Cotiis, C. John; and Johnson, Victor P., 3,824,865.

Johnson, Virgil E., Jr., to Hydronautics, Incorporated. System for eroding solids with a cavitating fluid jet. 3,807,632, 4-30-74, Cl. 239-104.000.

Johnson, Walker P.; Cotton, Charles C.; Bon, David R.; and Peterson, Trules L., to United States of America, Navy. Helicopter cargo lifting system. 3,845,937, 11-5-74, Cl. 258-1.800.

Johnson, Wallace D., to Phillips Petroleum Company. ABS polymer compositions. 3,817,888, 6-18-74, Cl. 260-23.70n.

Johnson, Wallace E.; and Fraser, James H., to Avco Corporation. Water purification system. 3,813,892, 6-4-74, Cl. 62-58.000.

Johnson, Wallace H. Elevator system. 3,845,842, 11-5-74, Cl. 187-15.000.

Johnson, Wallace J. S., to Up-Right, Inc. Continuous press. 3,831,516, 8-27-74, Cl. 100-116.000.

Johnson, Walter E., Jr.: *See—*
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Johnson, Walter, Jr.: *See—*
Baldwin, Arnold Victor; and Johnson, Walter, Jr., 3,817,564.

Johnson, Warren M., to GTE Sylvania Incorporated. Light source with RF interference shield. 3,801,808, 4-2-74, Cl. 240-2.100.

Johnson, Wayne: *See—*
Adler, Ronald E.; and Bax, Ronald F., 3,797,010.

Johnson, Wayne E., to Allis-Chalmers Corporation. Dual lever control. 3,800,614, 4-2-74, Cl. 74-473.00r.

Johnson, Wayne F.: *See—*
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Burtis, Carl A.; Johnson, Wayne F.; and Walker, William A., 3,854,508.

Johnson, Wayne F., to United States of America, Atomic Energy Commission. Automatic photomultiplier tube voltage controller 3,783,300, 1-1-74, Cl. 250-564.000.

Johnson, Wayne F., to United States of America, Atomic Energy Commission. Miniature multistation photometer rotor temperature control. 3,792,231, 2-12-74, Cl. 219-497.000.

Johnson, Wendell C.; Gomez, Nicolas G., and Foret, Claude H., to Xerox Corporation. Plated wire memory plane. 3,803,565, 4-9-74, Cl. 340-179.0pn.

Johnson, Wendell C.; Gomez, Nicolas G.; and Foret, Claude H., to Xerox Corporation. Apparatus for assembling a plated wire memory plane. 3,832,766, 9-3-74, Cl. 29-203.0mm.

Johnson, Wilfred V., to U.S. Fire Control Corporation. Automatic fire sprinkler head. 3,802,510, 4-9-74, Cl. 169-19.000.

Johnson, Will A.: *See—*
Franks, Aud J.; and Johnson, Will A., 3,835,797.

Johnson, Willard L.: *See—*
Evans, Dewey M.; and Johnson, Willard L., 3,811,252.

Johnson, William Arthur; North, James Clayton, and Wolfe, Raymond, to Bell Telephone Laboratories, Incorporated. Differential etching of garnet materials. 3,808,068, 4-30-74, Cl. 156-8.000.

Johnson, William E., to Owens-Illinois, Inc. Selection and addressing circuitry for matrix type gas display panel. 3,840,778, 10-8-74, Cl. 315-169.0tv.

Johnson, William H., to Research Corporation. Tobacco treatment to increase volume thereof. 3,785,385, 1-15-74, Cl. 131-140.00p.

Johnson, William H., to Research Corporation. Apparatus for turgor conditioning tobacco. 3,786,818, 1-22-74, Cl. 131-136.000.

Johnson, William J. Fastener device. 3,803,670, 4-16-74, Cl. 24-73.00p.

Johnson, William L.: *See—*
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Johnson, William L.; and Massey, William R., said Massey assor. to said Johnson, William L. Method of regenerating waste pickle liquor. 3,816,593, 6-11-74, Cl. 423-140.000.

Johnson, William Lawrence. Laundry finisher folder. 3,795,995, 3-12-74, Cl. 38-2.000.

Johnson, William M.: *See—*
Harte, Richard A.; Amstutz, Edwin A., Bigliardi, Achille M., III, and Johnson, William M., 3,792,272.

Johnson, William Peter, 20% to Lee, Raymond, Organization Inc., The. Boot zipper. 3,855,715, 12-24-74, Cl. 36-50.000.

Johnson, William S.; and Ku, San-Mei, to International Business Machines Corporation. Method for manufacturing ion implanted insulated gate field effect semiconductor transistor devices. 3,852,120, 12-3-74, Cl. 148-1.500.

Johnson, Winston O., to Lockheed Aircraft Corporation. Method and apparatus forming plural focused images with a common lens system. 3,794,409, 2-26-74, Cl. 350-194.000.

Johnson, Winston O.; and Davis, David W., 1/7 interest each to Willis, Ted; Holley, Willis H.; Lyles, Harold L. and 2/7 interest each to Sharp, Kennedy H.; Stuart, William L. Photodynamic monitor for and process of detecting the momentary presence of an obect between two points. 3,819,947, 6-25-74, Cl. 250-559.000.

Johnsson, Bo, to Svenska Rotor Maskiner Aktiebolag. Regenerator bodies for rotary regenerative heat exchangers. 3,800,860, 4-2-74, Cl. 165-9.000.

Johnsson, Erik Borje, to Aktiebolaget Atomenergi. Locking device for the lid of a pressure vessel 3,856,338, 12-24-74, Cl. 292-256.000.

Johnsson, Lars Bertil, to Societe Anonyme Genoud & Cie. Piezoelectric lighters. 3,829,737, 8-13-74, Cl. 317-81.000.

Johnsson, Lennart Birger Valentin, to Aktiebolaget Volvo. Wheel suspension sealing. 3,820,810, 6-28-74, Cl. 280-96.200.

Johnston, Alan R.; and Melville, Richard D. S., to California Institute of Technology. Stark-effect modulation of CO_2 laser with NH_2D. 3,806,834, 4-23-74, Cl. 332-7.510

Johnston, Billy Ray; and Schescke, William O. Detachable diver's weight. 3,808,824, 5-7-74, Cl. 61-70.000.

Johnston, Byron E., to Mobil Oil Corporation. Oxidation of isoparaffins to tertiary alcohols. 3,825,605, 7-23-74, Cl. 260-632.00c.

Johnston, Dale Montieth; and Keith, Nelson Paul, to Deere & Company. Variable elliptical and variable profile turning attachment for a lathe. 3,803,957, 4-16-74, Cl. 82-19.000.
Johnston, Daniel H.; Mannheimer, Rudy; Rinkleib, Helfried O.; Walker, Ivan D.; and Kellner, John R., to International Business Machines Corporation. Cartridge and storage apparatus. 3,825,208, 7-23-74, Cl. 242-197.000.
Johnston, David K.: *See*—
Temple, William F.; and Johnston, David K., 3,813,184.
Johnston, David Lawrence, to Cominco Ltd. Phosphate rock flotation. 3,807,556, 4-30-74, Cl. 209-166.000.
Johnston, Dickie L.: *See*—
Willis, Wilfred Ernest; and Johnston, Dickie L., 3,854,616.
Johnston, Donald A.; and Voss, Walter A., to Canadian Patents and Development Limited. Multimode microwave cavities for microwave heating systems. 3,851,131, 11-26-74, Cl. 219-10.550.
Johnston, Dorothy D. Chain key holder. 3,804,307, 4-16-74, Cl. 224-28.00c.
Johnston, Earnest L.: *See*—
Christena, Ray C.; Johnston, Earnest L.; and Whobrey, Ronald W., 3,787,282.
Johnston, Edward J.; Macha, Frank J., Jr.; Knapp, William H.; and Peacock, Peter J., to International Harvester Company. Side delivery rake. 3,834,142, 9-10-74, Cl. 56-377.000.
Johnston, Edwin T. Playground slide. 3,796,429, 3-12-74, Cl. 272-56.50r.
Johnston, George E.: *See*—
Meyer, Delbert H.; and Johnston, George E., 3,853,924.
Johnston, Harlin D., to Phillips Petroleum Company. Barium promoted iron oxide catalyst suited for use in steam-iron process for producing hydrogen. 3,855,155, 12-17-74, Cl. 252-473.000.
Johnston, Howard: *See*—
Gulbenk, Aylin H.; Horne, Dorothy J.; and Johnston, Howard, 3,808,208.
Johnston, Howard, to Dow Chemical Company, The. Substituted aminohalopyridines. 3,838,159, 9-24-74, Cl. 260-296.00r.
Johnston, James D.: *See*—
Becker, Warren E.; Johnston, James D.; and Hildreth, Clarence L., 3,856,511.
Johnston, James F. Laterally and longitudinally extensible truck. 3,854,747, 12-17-74, Cl. 280-34.00b.
Johnston, James G., to Stanray Corporation. Shock absorbing apparatus for heavy loads. 3,854,706, 12-17-74, Cl. 267-116.000.
Johnston, James J., to Automatic Equipment Development Corporation. Circuit board assembly. 3,789,271, 1-29-74, Cl. 317-101.0cc.
Johnston, James Joseph, to AMP Incorporated. Apparatus for connecting conductors to terminals in a preloaded electrical connector. 3,800,390, 4-2-74, Cl. 29-203.00p.
Johnston, James Meill: *See*—
Allen, Howard John Brandsom; and Johnston, James Meill, 3,813,655.
Johnston, James R.: *See*—
Moertel, George B.; and Johnston, James R., 3,787,952.
Johnston, James R.; and Moertel, George B., to Textron Inc. Method of forming end stops on slide fasteners. 3,818,575, 6-25-74, Cl. 29-408.000.
Johnston, James R. Sandpaper holder block. 3,842,549, 10-22-74, Cl. 51-392.000.
Johnston, James Stewart; and Fellows, David Frank, to Rosemount Engineering Company Limited. Analogue to digital converters. 3,810,151, 5-7-74, Cl. 340-347.0ad.
Johnston, James V., to United States of America, Army. Constrained gyro for strapdown application. 3,802,276, 4-9-74, Cl. 74-5.60d.
Johnston, James V., to United States of America, Army. Automatic lead and electric aiming device for close support missiles. 3,802,787, 4-9-74, Cl. 356-247.000.
Johnston, L. Lyle, to Zimmer Manufacturing Co. Prosthetic joint for total knee replacement. 3,824,630, 7-23-74, Cl. 3-1.000.
Johnston, Laird E.: *See*—
Bowler, Lauren L.; and Johnston, Laird E., 3,817,585.
Bowler, Lauren L.; and Johnston, Laird E., 3,819,235.
Harned, John L.; and Johnston, Laird E., 3,787,094.
Johnston, Leland P. Creative optical artistic medium. 3,835,307, 9-10-74, Cl. 240-1.000.
Johnston, Lowell B. Bicycle brake lever. 3,803,937, 4-16-74, Cl. 74-489.000.
Johnston, Mack S. Dynamite detonator assembly. 3,793,954, 2-26-74, Cl. 102-28.00r.
Johnston, Mack S. Liquid dispensing apparatus. 3,836,053, 9-17-74, Cl. 222-400.700.
Johnston, Otis A., to Western Geophysical Company of America. Soil-compaction method and apparatus for a seismic energy source transducer. 3,811,530, 5-21-74, Cl. 181-.5vm.
Johnston, Paul M.: *See*—
MacKenzie, Raymond W.; Johnston, Paul M.; and Reeves, John R., 3,796,959.
Ravas, Richard J.; Heinrich, Theodore M.; Johnston, Paul M.; and Reeves, John R., 3,796,989.
Johnston, Paul M.; MacKenzie, Raymond W.; and Reeves, John R., to Westinghouse Electric Corporation. Transmitter circuit. 3,796,958, 3-12-74, Cl. 325-185.000.
Johnston, Paul R.: *See*—
Rausch, David A.; and Johnston, Paul R., 3,823,279.
Johnston, Paul R., to Diamond Power Specialty Corporation. Power connecting apparatus for movable members. 3,819,880, 6-25-74, Cl. 191-12.00r.
Johnston, Philip Douglas; Lawton, James; and Mackison, Ian, to Electricity Council, The. Method and apparatus for the production of liquid titanium from the reaction of vaporized titanium tetrachloride and a reducing metal. 3,825,415, 7-23-74, Cl. 75-84.50.
Johnston, Reed H., to Little, Arthur D., Inc. Coin discriminator. 3,797,307, 3-19-74, Cl. 73-163.000.
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Johnston, Richard D., to Phillips Petroleum Company. Angled cutoff in bottom of blow mold. 3,793,422, 2-19-74, Cl. 264-99.000.
Johnston, Richard L.: *See*—
Johnston, Richard L., 3,848,543.
Johnston, Richard L., to Johnston, Richard L. and Ruben, Sam L. Adjustable shelf structure. 3,848,543, 11-19-74, Cl. 108-5.000.
Johnston, Richard P.: *See*—
Martini, William R.; Johnston, Richard P.; and White, Maurice A., 3,822,388.
Noble, Jack E.; and Johnston, Richard P., 3,788,772.
Johnston, Robert A., Company, Inc.: *See*—
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Johnston, Robert Bernard: *See*—
Rees, John Michael; Coxon, George Eric; and Johnston, Robert Bernard, 3,811,063.
Johnston, Robert F., to Bell & Howell Company. Sensing fiducial markings from motion picture film. 3,794,416, 2-26-74, Cl. 352-92.000.
Johnston, Robert John: *See*—
Lyall, Angus Alexander; and Johnston, Robert John, 3,840,685.
Johnston, Roger L., to Harnischfeger Corporation. Telescoping crane boom. 3,795,321, 3-5-74, Cl. 212-55.000.
Johnston, Roger L., to Harnischfeger Corporation. Structural design of boom section with inverted "A" frame cross-section. 3,807,108, 4-30-74, Cl. 52-115.000.
Johnston, Roy C.; and Sullivan, Lawrence B., to Texas Instruments, Incorporated. Method of producing a matched parameter acceleration cancelling hydrophone. 3,832,762, 9-3-74, Cl. 29-25.350.
Johnston, Samuel A.; Lyons, John G.; and Riedmayer, Henry J., to Bunker Ramo Corporation. Integrated circuit package of unified structure with variable resistor. 3,784,948, 1-8-74, Cl. 338-183.000.
Johnston, Samuel A.; Lyons, John G.; and Riedmayer, Henry J., to Bunker Ramo Corporation. Method of making integrated circuit package. 3,837,067, 9-24-74, Cl. 29-613.000.
Johnston, Samuel Andrew, to Bunker Ramo Corporation. Capacitive pressure transducer. 3,808,480, 4-30-74, Cl. 317-256.000.
Johnston, Samuel Andrew, to Bunker Ramo Corporation. Trimmer potentiometer. 3,815,075, 6-4-74, Cl. 338-159.000.
Johnston, Thomas E.; and Matt, John W., to Du Pont de Nemours, E. I., and Company. Antistatic additive compositions. 3,807,977, 4-30-74, Cl. 44-62.000.
Johnston, Thomas E., to Du Pont de Nemours, E. I., and Company. Metal-deactivated organic compositions and process therefor. 3,843,536, 10-22-74, Cl. 252-51.0sr.
Johnston, Thomas L.: *See*—
Davies, Richard G.; and Johnston, Thomas L., 3,795,510.
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Joyce, Jerry R.: *See—*
Smith, Jay G., Jr.; and Joyce, Jerry R., 3,855,760.

Joyce, Jerry Ray: *See—*
Pinkham, Jesse R.; Cockman, Arthur G.; and Joyce, Jerry Ray, 3,841,071.

Joyce, John E., to International Equipment Company, mesne. Method and apparatus for producing a liquid concentration-volume gradient. 3,815,618, 6-11-74, Cl. 137-1.000.

Joyce, John E., to International Equipment Company, mesne. Apparatus for producing a liquid concentration-volume gradient. 3,840,040, 10-8-74, Cl. 137-262.000.

Joyce, John E. Rotors and rotor cores for continuous flow centrifuges. 3,843,046, 10-22-74, Cl. 233-32.000.

Joyce, John F.; and McIntire, Hoy O., to National-Standard Company, mesne. Metal bonding with sintering. 3,791,798, 2-12-74, Cl. 29-182.200.

Joyce, Michael F., to North American Philips Corporation. Solid-state relay. 3,801,832, 4-2-74, Cl. 307-252.00b.

Joyce, Michael F., to North American Philips Corporation. Pulse generator using bi-lateral solid state breakover device energized by a vice signal. 3,801,893, 4-2-74, Cl. 321-43.000.

Joyce, Patrick J.: *See—*
Leveen, Harry H., 3,857,140.

Joyce, Robert D., to Vergas Manufacturing Company. Finger ring holder and display device. 3,822,849, 7-9-74, Cl. 248-350.000.

Joyce, Ronald W., to Victor Comptometer Corporation. Pneumatic gun with valve operating mechanism. 3,802,408, 4-9-74, Cl. 124-13.00a.

Joyce, Ronald W.; and Dozier, Ross T., to Victor Comptometer Corporation. Air gun valve apparatus assembly. 3,855,990, 12-24-74, Cl. 124-13.00a.

Joynson, Reuben E.: *See—*
Mundy, Joseph L.; and Joynson, Reuben E., 3,808,458.

Joyota Jidosha Kogyo Kabushiki Kaisha: *See—*
Inoue, Tokuta; Nakanishi, Kiyoshi; and Kato, Kenji, 3,804,597.

Jozsef Balogh: *See—*
Martfay, Ernst; and Rohrer-Spichtig, Karl, 3,815,242.

Jozuka, Masao, to Brother Kogyo Kabushiki Kaisha. Repeat spacing mechanism for typewriters. 3,799,312, 3-26-74, Cl. 187-82.000.

Jozwicki, Ryszard; Kubica, Henryk; Ankudowicz, Waclaw; Jedryka, Tadeusz; Roszewska, Irena; Kurzyniec, Stanislaw; Swietoslawski, Roman; and Olczyk, Franciszek, to Instytut Wlokiennictwa. Method for manufacturing yarn from natural and chemical fibers and a dvice for carrying out the method. 3,851,455, 12-3-74, Cl. 57-58.950.

Ju, Fred: *See—*
Richardson, John Lloyd; Segovia, Gilbert; Ju, Fred; and Bachle, Wilfred Hugo, 3,784,470.

Juarbe, Puro De Jesus. Vehicle lock protector. 3,792,883, 2-19-74, Cl. 292-1.000.

Juba, Bernard T.: *See—*
Chandler, Wesley M.; Heuser, Paul F.; and Juba, Bernard T., 3,787,545.

Juba, Bernard Thomas; and Schubert, Rolf Bernd, to Fuller, H. B., Company. Storage stable, one-package, heat curable, water based compositions useful as adhesives, coatings, and the like. 3,806,483, 4-23-74, Cl. 260-29.6nr.

Jubany, Modesto Lopez. Manufacture of chenille yarn. 3,855,768, 12-24-74, Cl. 57-24.000.

Jubb, Albert; and Williams, David Eyre, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Fluidized bed power-plant with helium circuit, on direct heat exchange and compressd air bypass control. 3,791,137, 2-12-74, Cl. 60-39.18r.

Jubenville, Arthur R. Trailer anti-fishtail acceleration responsive switch assembly with actuator magnetic holding structure. 3,784,773, 1-8-74, Cl. 200-61.45m.

Jubenville, Arthur R.; deceased (by Jubenville, Irene L.; administratrix). Control circuit for automatic brake system. 3,840,276, 10-8-74, Cl. 303-20.000.

Jubenville, Irene L.: *See—*
Jubenville, Arthur R., 3,840,276.

Juby, Charles W. Plastic ornament and composition for forming the same. 3,822,214, 7-2-74, Cl. 252-301.30r.

Juchniewicz, Romuald, to Politechnika Gdanska. Method of protecting tin-packings against corrosion and making them glossy. 3,822,998, 7-9-74, Cl. 21-2.70a.

Jucker, Erich, to Portescap. Device and process for measuring a characteristic value of the operation of a clockwork. 3,817,083, 6-18-74, Cl. 73-6.000.

Juculano, Charles T., to Symons Corporation. Toeboard clamp for steel scaffolding. 3,785,602, 1-15-74, Cl. 248-214.000.

Juculano, Theodore C., to Symons Corporation. Releasable metal scaffolding connector. 3,807,884, 4-30-74, Cl. 403-49.000.

Juda, Walter; and Novak, Robert Lee, to Prototech Company. Method of electrodeposition using catalyzed hydrogen. 3,793,165, 2-19-74, Cl. 204-106.000.

Judd, Claude I.: *See—*
Drukker, Alexander E.; and Judd, Claude I., 3,836,534.
Drukker, Alexander E.; and Judd, Claude I., 3,847,904.

Judd, Edwin B., to General Electric Company. Wire connector with wire locating device. 3,816,819, 6-11-74, Cl. 339-99.00r.

Judd, Everett W., 51% to Hammon, Daniel F. and 9% to Olson, La Clead. Pressure change actuated sequencing valve. 3,853,145, 12-10-74, Cl. 137-624.180.

Judd, Gordon W.: *See—*
Bristol, Thomas W.; and Judd, Gordon W., 3,803,520.

Judd, H. Edward: *See—*
Stofey, William D.; and Judd, H. Edward, 3,850,016.

Judd, Robert R.: *See—*
Chao, Hung-Chi; Judd, Robert R.; Rueckl, Roger L.; and Russell, Charles K., 3,811,878.

Judd, Tyler W.: *See—*
Toth, James M.; and Judd, Tyler W., 3,791,199.

Judge, Edward E., Jr. Servo control for manufacturing stations. 3,832,082, 8-27-74, Cl. 408-10.000.

Judge, Roderick B.: *See—*
Skov, Ebbe R.; Judge, Roderick B.; and Hamphill, Geoffrey, 3,786,086.

Judin, Valentin Dmitrievich: *See—*
Groza, Viktor Filimonovich; Drozdov, Nikolai Ivanovich; Sharapov, Jury Nikolaevich; Garbovitsky-Gordon, Alexandr Iosipovich; Shakhpazov, Khristofor Sergeevich; Filatov, Nikolai Grigorievich; Skripnik, Ivan Timofeevich; Semkin, Alexei Trofimovich; Vasiliev,Vladimir Ivanovich; Judin, Valentin Dmitrievich; Belenky, Evgeny Jurievich; Grigorenko, Anatoly Evgenievich; and Baryshnikov, Gennady Fedorovich, 3,785,139.

Judin, Viktor Petrovich: *See—*
Shatalov, Valentin Pavlovich; Judin, Viktor Petrovich; and Krivoshein, Vladimir Viktorovich, 3,808,186.

Judina, Raisa Ivanovna: *See—*
Tsyganov, Vladimir Alexeevich; Namestnikova, Valentina Pavlovna; Antonova, Valentina Vasilievna; Iofina, Esfir Iliinichna; Malkov, Mark Abovich; Nyn, Vladimir Semenovich; Kuznetsova, Olga Alexandrovna; Malinovskaya, Galina Nikolaevna; Poluparneva, Galina Ptrovna; Anosova, Anastasia Mikhailovna; Pudakova, Tamara Kirillovna; Judina, Raisa Ivanovna; Yakovleva, Elena Pavlovna; and Morozov, Vladimir Mikhailovich, 3,802,998.

Judith, Vincent J., to Excello Corporation. Processor unit for data retrieval and processing. 3,832,694, 8-27-74, Cl. 340-172.500.

Juditzki, Franz, to Hoesch Aktiengesellschaft. Method of and machine for severing compound plates. 3,837,246, 9-24-74, Cl. 83-26.000.

Judkins, Alfred E., to General Electric Company. Membrane package construction. 3,793,111, 2-19-74, Cl. 156-253.000.

Judkins, Herbert T.; and Miller, Lucian C. Ambulatory amusement and exercise device. 3,854,717, 12-17-74, Cl. 272-70.000.

Judochkin, Sergei Sergeevich: *See—*
Agushev, Vladimir Alexandrovich; Brusilovsky, Iosif Veniaminovich; Gamajunov, Alexandr Mikhailovich; Lanchikov, Konstantin Vasilievich; Sosner, Jury Moiseevich; Tsodikov, Veniamin Yakovlevich; and Judochkin, Sergei Sergeevich, 3,820,916.

Judson, George T.: *See—*
Jones, Alan L.; Judson, George T.; and Kellogg, Robert M., 3,801,142.

Judson, Roger D.: *See—*
Tilley, Aubra E.; Judson, Roger D.; and Brown, Robert J. S., 3,806,863.

Judy, Millard M.: *See—*
Payne, Thomas R.; Plumlee, Hubert R.; and Judy, Millard M., 3,808,399.

Juelke, Charles V.; and Trapasso, Louis E., to Celanese Corporation. Flame-retardant polyesters. 3,813,454, 5-28-74, Cl. 260-873.000.

Juelke, Charles V.; and Cook, Norman K., said Juelke assor. to Celanese Corporation. Process for producing aromatic sulfonates. 3,816,520, 6-11-74, Cl. 260-512.00r.

Juels, Ronald J., to Comstron Corporation. Compensating techniques for sensitive wide band voltmeters. 3,857,097, 12-24-74, Cl. 324-132.000.

Juenger, Hans; and Weissenfels, Franz. Process for the preparation of filled phenol resin foam materials. 3,830,894, 8-20-74, Cl. 264-41.000.

Juergens, Alfred J., to Fleet Engineers, Inc. Mud flap assembly and bracket therefor. 3,782,757, 1-1-74, Cl. 280-154.500.

Juergens, Dieter C., to American Hoist & Derrick Company. Crawler vehicle with dual extensible side frames. 3,820,616, 6-28-74, Cl. 180-9.480.

Jufa, Tatyana Lvovna; Poletaeva, Irina Alexandrovna; Kormer, Vitaly Abramovich; Babitsky, Boris Davydovich; Lobach, Mark Iosifovich; Markova, Viktoria Vladimirovna; and Churlyaeva, Lidia Alexandrovna. Process for producing linear polymers of alicyclic compunds. 3,821,181, 6-28-74, Cl. 260-91.500.

Jugle, Don B.; and Thompson, Robert L., to Xerox Corporation. Development electrode system. 3,795,222, 3-5-74, Cl. 118-637.000.

Jugler, John: *See—*
Jacke, Stanley E.; and Jugler, John, 3,790,059.

Juguin, Bernard; Le Page, Jean Francois; and Miquel, Jean, to Institut Francais du Petrole des Carburants et Lubrifiants. Substantially neutral platinum series catalyst. 3,801,516, 4-2-74, Cl. 252-466.0pt.

Juhasz, Charles, to Carborundum Company, The. Differential pressure indicator with internal reset. 3,812,816, 5-28-74, Cl. 116-70.000.

Juhasz, Francois: *See—*
Lemaistre, Rene; and Juhasz, Francois, 3,838,107.

Juhasz, Jean: *See—*
Cariou, Jean M.; and Juhasz, Jean, 3,844,721.

Juhasz, John E.: *See—*
Davis, Dennis J.; and Juhasz, John E., 3,794,389.
Davis, Dennis J.; and Juhasz, John E., 3,832,013.
Davis, Dennis J.; Juhasz, John E.; and Eslinger, Ralph G., 3,838,892.

Juhel, Bernard, to Compagnie des Freins et Signaux Westinghouse. Electro-pneumatic valve. 3,837,618, 9-24-74, Cl. 251-129.000.

Juhlin, Lars-Erik: *See—*
Ekstrom, Ake; Juhlin, Lars-Erik; and Olsson, Karl-Erik, 3,842,337.

Juhnke, Paul B. Magnetic annunciator or signal device for control panels. 3,820,047, 6-25-74, Cl. 335-229.000.

Juhran, Wolfgang: *See—*
Jahn, Werner; Kampe, Wolfgang; Fauland, Erich; Juhran, Wolfgang; and Stork, Harald, 3,787,391.
Kampe, Wolfgang; Fauland, Erich; Stork, Harald; Juhran, Wolfgang; and Dietmann, Karl, 3,817,981.
Kampe, Wolfgang; Fauland, Erich; Thiel, Max; Juhran, Wolfgang; and Stork, Harald, 3,845,035.

Juichi, Morishima, to Fuji Denki Seizo Kabushiki Kaisha. Shaft bearing-and-sealing device. 3,797,898, 3-19-74, Cl. 308-187.000.

Juillerat, Remy; and Leduc, Paul, to Societe Lignes Telegraphiques et Telephoniques and Office National d'Etudes et de Recherches Aeropatiales. Stress sensor with digital output. 3,807,223, 4-30-74, Cl. 73-88.50r.

Juillou, Michel: *See—*
Brun, Jean-Pierre; Bulvestre, Gerard; Juillou, Michel; Thirion, Pierre; and Pautrat, Rene, 3,819,742.

Jujitsu Limited: *See—*
Hida, Makoto; and Goto, Akira, 3,797,021.

Jujo, Yukio: *See—*
Kurokawa, Takaaki; Yamada, Junji; Hoshika, Susumu; and Jujo, Yukio, 3,834,884.

Jukes, Norman Alfred; and Grainger, Derek Robert, to Lucas, Joseph, (Electrical) Limited. Ignition distributor. 3,795,236, 3-5-74, Cl. 123-148.00d.

Jukes, Norman Alfred, to Lucas, Joseph, (Electrical) Limited. Vacuum units. 3,854,461, 12-17-74, Cl. 123-117.00a.

Julev, Stoyan Iliev; Milkov, Mihail Yordanov; Dachev, Lyubomir Petrov; Vasilev, Rosen Petrov; Kostov, Vasil Alexandrov; and Aroyo, Jacky Sivcho, to DSO 'Textil'. Machine for producing non woven floor coverings. 3,829,344, 8-13-74, Cl. 156-435.000.

Julia, Marc: *See—*
Chabardes, Pierre; and Julia, Marc, 3,803,252.
Chabardes, Pierre; Julia, Marc; and Menet, Albert, 3,848,000.
Chabardes, Pierre; Julia, Marc; and Menet, Albert, 3,850,991.

Julia, Marc, to Rhone-Poulenc S.A. Intermediates useful in the synthesis of Vitamin A. 3,804,882, 4-16-74, Cl. 260-470.000.

Julian, Donald Victor, to Procter & Gamble Company, The. Process for preparing sterols from tall oil pitch. 3,840,570, 10-8-74, Cl. 260-397.250.

Julian Engineering Company: *See—*
Freeman, Carl R., 3,818,813.

Julian, Eric William. Tent. 3,843,190, 10-22-74, Cl. 296-23.00r.

Julian, Maurice F.; and Tork, James A. Helicopter hover simulator. 3,818,613, 6-25-74, Cl. 35-12.00k.

Julian, Percy L.; and Hirsch, Arnold, to Ciba-Geigy Corporation and Ciba Corporation. Process for the conversion of a 3-hydroxy-5,6-oxide-group of a steroid into a delta 4-3-oxo group. 3,784,598, 1-8-74, Cl. 260-239.55d.

Julian, Percy L. Preparation of wool wax alcohol product of low cholesterol content useful as dispersing and emulsifying agent. 3,821,121, 6-28-74, Cl. 252-351.000.

Julian, Ralph R.; and Collins, Larry L. Support means providing translational movement. 3,798,705, 3-26-74, Cl. 16-94.00r.

Julian, Randall K., to Sunbeam Plastics Corporation. Childproof medicine vial. 3,825,143, 7-23-74, Cl. 215-9.000.

Julian, Richard L.: *See—*
Gundersen, James L.; Julian, Richard L.; Kosco, Thomas J.; Lewis, Dan E.; and Sklar, Richard E., 3,795,771.

Julian, Ronald: *See—*
Lockwood, Charles Alfred; Goffe, Frederick William Frank; and Julian, Ronald, 3,837,025.

Juliano, Peter C., to General Electric Company. Fluorescent screens. 3,787,238, 1-22-74, Cl. 117-335.00r.

Julie, Loebe, to Julie Research Laboratories, Inc. High voltage shielded divider. 3,839,695, 10-1-74, Cl. 338-64.000.

Julie Research Laboratories, Inc.: *See—*
Julie, Loebe, 3,839,695.

Julien, Georges. Framework assembling members. 3,795,453, 3-5-74, Cl. 403-3.000.

Julien, Maurice Francois Alexandre, to Luxembourgeoise de Brevets et Participatiars. Railway car roll stablizing bogie. 3,818,841, 6-25-74, Cl. 105-164.000.

Julin, Gustav: *See—*
Svensson, Lars Erik; and Julin, Gustav, 3,819,022.

Julinot, Helmut D. Fluorescent fixture. 3,805,053, 4-16-74, Cl. 240-51.11r.

Julita, Piera: *See—*
Cotta, Ernesto; Julita, Piera; and Sanfilippo, Aurora, 3,853,991.

Juliusburger, Hans Yohanan: *See—*
Ghougasian, John; Hart, Jon; Juliusburger, Hans Yohanan; and Lowy, Paul, 3,836,912.

Juliussen, Jan Egil, to Texas Instruments Incorporated. Bubble memory organization with two port major/minor loop transfer. 3,838,407, 9-24-74, Cl. 340-174.0tf.

Jullard, Yves, to Societe Alsacienne de Constructions Mecaniques de Mulhouse. Device for controlling the heddles of the harness of a loom. 3,831,637, 8-27-74, Cl. 139-1.00e.

Jullien, Alexandra Francine: *See—*
Carron, Claude Louis Clement; Bucher, Bernard Philippe; and Jullien, Alexandra Francine, 3,787,436.

Jullien, Marie-Jacques: *See—*
Le Parquier, Guy; and Jullien, Marie-Jacques, 3,792,478.

Jullien, Yves; and Cicile, Jean-Charles, to Societe Pour L'Equipment Des Industries Chimiques. Mass exchange columns. 3,797,811, 3-19-74, Cl. 261-114.000.

Jullien-Davin, Jean, to Crouzet. Mould for injection moulding presses. 3,794,286, 2-26-74, Cl. 249-67.000.

Jullig, Karl, to General Motors Corporation. Energy-absorbing bumper bar arrangement for motor vehicles. 3,815,946, 6-11-74, Cl. 293-99.000.

Jumberca, S.A.: *See—*
Guell, Jose Maria Dalmau, 3,791,174.

Jumel, Yves: *See—*
Gabano, Jean-Paul; and Jumel, Yves, 3,796,604.

Jumentier, Claude; and Bonnet, Alain, to Certain-Teed Products Corporation, mesne. Apparatus for manufacture of plates or shaped sheets having a base of mineral firbers, particularaly glass fibers. 3,830,638, 8-20-74, Cl. 65-14.000.

Jumer, John F. Electrochemical processing of inner surfaces of large vessels. 3,857,764, 12-31-74, Cl. 204-26.000.

Jun, Hung Won: *See—*
Luzzi, Louis Anthony; Whitworth, Clyde Weydell; and Jun, Hung Won, 3,842,170.

Jun, Mong-Jon: *See—*
Barzynski, Helmut; Jun, Mong-Jon; Saenger, Dietrich; and Volkert, Otto, 3,849,137.

Jun, Mong-Jon; Penzien, Klaus; and Wegner, Gerhard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Photopolymerizable element comprising a conjugated diacetylene layer on the photopolymer layer. 3,836,368, 9-17-74, Cl. 96-69.000.

Jun, Sekiba, to Yamauchi Rubber Industry Co., Ltd. Apparatus for multipolar magnetization. 3,858,136, 12-31-74, Cl. 335-284.000.

Juna, Kiyoshi; Imai, Takeo; Nakayama, Hiroyuki; Nobuyuki, Kita; Kiyohiko, Asada; and Tetsud, Aihara, to Kansai Paint Company, Limited. Radiation curable compositions from acrylurethane resins. 3,850,770, 11-26-74, Cl. 204-159.190.

Junck, John A.; and Kokaly, Joseph, to Caterpillar Tractor Company. Hydraulic control for self-loading scraper with three-speed elevator drive. 3,785,156, 1-15-74, Cl. 60-421.000.

Junck, John A.; and Scheidt, James E. Self-loading scraper hydraulic control system with automatic load relieving circuit. 3,820,257, 6-28-74, Cl. 37-8.000.

Juncker, Friedrich; Kranz, Johannes; Streich, Margin; Tanz, Heiner; and Vollrath, Gerd, to Linde Aktiengesellschaft. Single-stage fractionation of natural gas containing nitrogen. 3,797,261, 3-19-74, Cl. 62-40.000.

Juncker, Friedrich, to Messer Griesheim GmbH. Fractionation of air to obtain oxygen of about 70% purity. 3,798,917, 3-26-74, Cl. 62-14.000.

Juncosa Lopez, Jose. Rail joint. 3,851,821, 12-3-74, Cl. 238-230.000.

Juneja, Subhash C., to Canadian Patents and Development Limited. Melamine-dicyandiamide-base resin solutions. 3,832,316, 8-27-74, Cl. 260-29.40r.

Junek, Jan: *See—*
Marsalek, Milan; Junek, Jan; Brynda, Vaclav; Burysek, Frantisek; Hortlik, Frantisek; Ripka, Josef; and Lanta, Jiri, 3,812,667.

Junes, Norman E.; and Stanyer, William R. Skyline clamp for logging carriage. 3,820,663, 6-28-74, Cl. 212-99.000.

Jung, Anton L.: *See—*
Schmidt-Burbach, Gerhard; Jung, Anton L.; Hubert, Helmut; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Strauss, Heinz, 3,798,879.

Jung, Anton Ladislaus: *See—*
Hubert, Helmut; Jung, Anton Ladislaus; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Burbach, Gerhard Schmidt, 3,804,548.

Jung, Berthold: *See—*
Grube, Werner; Rutz, Karl-Friedrich; Jung, Berthold; and Schrage, Johannes, 3,827,643.

Jung, Bolko: *See—*
Henkel, Erich Gustav; and Jung, Bolko, 3,803,654.

Jung, Christopher J.; and Pappo, Raphael, to Searle, G. D., & Co. 2-(3-Hydroxy-3-optionally alkylated-1-alkynyl)-3-hydroxy-5-oxygenated cyclopent-1-enealkanoic acids, optical isomers thereof and esters corresponding. 3,840,573, 10-8-74, Cl. 260-410.90r.

Jung, Dieter: *See—*
Fries, Walter; Hachmann, Klaus; Jung, Dieter; Neuhausen, Peter; and Walter, Dieter, 3,833,506.

Jung, Ernst: *See—*
Maisch, Hans; and Jung, Ernst, 3,781,923.

Jung, Ewald, to La Porte Sohne. Round furniture recess lock. 3,797,285, 3-19-74, Cl. 70-83.000.

Jung, Friedrich: *See—*
Decker, Herbert; and Jung, Friedrich, 3,797,387.

Jung, Herbert August, to Esso Research and Engineering Company. Process of producing alcohols. 3,798,278, 3-19-74, Cl. 260-638.00r.

Jung, Johann: *See—*
Zeeh, Bernd; Jung, Johann; and Rentzea, Costin, 3,856,501.

Jung, Margarete, to Varta A.G. Hydrazine fuel cell and method of operating same. 3,811,949, 5-21-74, Cl. 136-86.00d.

Jung Products, Inc.: *See—*
Gamm, Paul B.; and Clare, Billy C., 3,828,785.

Jung, Robert Hugo: *See—*
Eckerle, Otto; and Jung, Robert Hugo, 3,840,323.

Jung, Werner, to Teletype Corporation. Bounce suppressing mechanism. 3,807,542, 4-30-74, Cl. 197-55.000.

Jung, Wilhelm H.: *See—*
Cummins, Donald; and Jung, Wilhelm H., 3,839,973.

Junge, Bjarne: *See—*
Beach, Laurence R.; Junge, Bjarne; and Zentgraf, Henry J., 3,831,197.

Jungell, Hans A., to Esterol AG. Molded abrasives with a binder of a copolymer of an unsaturated polyester and an ethylenically unsaturated monomer. 3,804,607, 4-16-74, Cl. 51-298.000.

Junger, Hans: *See—*
Seiler, Claus-Dieter; Vahlensieok, Hans-Joachim; and Junger, Hans, 3,847,860.

Junger, Miguel C.: *See—*
Kleinschmidt, Klaus, 3,837,426.

Jungermann, Eric, to 'Armours-Dial, Inc. Synergistic antiseptic compositions. 3,794,587, 2-26-74, Cl. 252-107.000.

Jungers, Jean, to Ste Nouvelle des Ventilateurs G. Mouzon. Devices for transporting objects over long distances by induced air. 3,822,918, 7-9-74, Cl. 302-2.00r.

Jungersen, Thoger G.; and Jungersen, Thoger G., Jr., to Snyder, Stephen L. Harness buckle device. 3,805,336, 4-23-74, Cl. 24-230.0au.

Jungersen, Thoger G., Jr.: *See—*
Jungersen, Thoger G.; and Jungersen, Thoger G., Jr., 3,805,336.

Jungesjo, Harald N.: *See—*
Anderson, Marvin R.; and Jungesjo, Harald N., 3,793,866.

Junggren, Ulf Krister: *See—*
Brandstrom, Arne Elof; Gustavii, Klas Ragnar; Junggren, Ulf Krister; and Lamm, Bo Robert, 3,816,533.

Junghanb, Helmut: *See—*
Roever, Wilhelm; Junghanb, Helmut; Roeder, Alfred; Kauczor, Hans-Werner; and Kuhne, Gunter, 3,801,695.

Junghans, Gebruder, G.m.b.H., Firma: *See—*
Kaiser, Paul; Kaiser, Hans; and Muller, Josef, 3,824,889.

Junginger, Klaus: *See—*
Blzig, Karl F.; and Junginger, Klaus, 3,786,243.

Jungkind, Roland: *See—*
Marker, Hannes; and Jungkind, Roland, 3,854,741.

Jungle, Nils Ake Curt; and Janred, Nils Rune, to Aktiebolaget Gotaverken. Mean for grinding the surface of welding seam interconnecting two tubular members. 3,816,861, 6-18-74, Cl. 5-241.00s.

Jungle, Nils Ake Curt, to AB Gotaverken. Device for interconnecting two plates. 3,855,445, 12-17-74, Cl. 219-121.0eb.

Jungling, Alfred: *See—*
Daester, Henri H.; and Jungling, Alfred, 3,822,866.

Junichi, Kabushiki Kaisha: *See—*
Niizawa, Yoshiaki; Hirano, Reiji; and Ito, Matsutoshi, 3,820,107.

Junichi, Teranishi: *See—*
Nakahara, Teiji; Ueda, Misao; Kuninaga, Minoru; and Junichi, Teranishi, 3,857,228.

Junk, Heinrich J., to Chamois Electronic Manufacturing Company, Inc. Mounting bracket. 3,853,292, 12-10-74, Cl. 248-203.000.

Junker, Arnold E., to Avco Corporation. Pressure balanced seal assembly. 3,836,216, 9-17-74, Cl. 308-187.100.

Junker, Bernhard T., to Monsanto Company. Apparatus for producing wire from the melts of steel alloys. 3,853,171, 12-10-74, Cl. 164-283.00s.

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Kalopissis, Gregoire, and Bugaut, Andree, to L'Oreal. Basic anthraquinone dye for keratinic fibers and method of making same. 3,806,525, 4-23-74, Cl. 260-380.000.
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Kanai, Hiromi, to Hitachi, Ltd. Colour picture tube with improved color purity. 3,835,347, 9-10-74, Cl. 313-408.000.
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Kanai, Tomiyoshi; and Ushioda, Shunta, to Showa Aluminium Kabushiki Kaisha. Composite extrusion. 3,827,864, 8-6-74, Cl. 29-191.600.
Kanai, Toshio. *See*—
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Kanarr, George W. Necktie storage device. 3,801,174, 4-2-74, Cl. 312-136.000.
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Kanayama, Mitsutoshi, and Toda, Takao, to Canon Kabushiki Kaisha. Roll duplicator. 3,784,298, 1-8-74, Cl. 355-109.000
Kanayama, Mitsutoshi, and Konishi, Motofumi, to Canon Kabushiki Kaisha. Film reproduction device. 3,811,772, 5-21-74, Cl. 355-111.000
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Kanazawa, Yasunori, to Hitachi, Ltd. Color information reproducing system. 3,843,960, 10-22-74, Cl. 358-61.000.
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Kanda, Alvin F., to Sperry Rand Corporation. Gas discharge display apparatus having time multiplex operated anode and cathode driver circuits. 3,815,120, 6-4-74, Cl. 340-336.000.
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Kanda, Masami. Extractor tool. 3,823,462, 7-16-74, Cl. 29-268.000.
Kanda, Masao, to Fuji Photo Film Co., Ltd. Web moistening device. 3,782,330, 1-1-74, Cl. 118-325.000.
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Kanda, Shozo. *See*—
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Kane, Allen G., and Becher, Gerard M., said Kane, Allen G., assor. of 25% to Kane, Steven D. Forming system for concrete floor and roof decks. 3,807,681, 4-30-74, Cl. 249-29.000
Kane and Company. *See*—
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Kane, Daniel F. Car pod. 3,796,015, 3-12-74, Cl. 52-64.000.
Kane, Jacqueline C., to Stauffer Chemical Company. Method of manufacturing synthetic cryolite. 3,833,713, 9-3-74, Cl. 423-465.000.
Kane, James, to RCA Corporation. Process for depositing electrically conductive indium oxide coatings on a substrate. 3,854,992, 12-17-74, Cl. 117-201.000.
Kane, John F. Body waist exerciser. 3,820,781, 6-28-74, Cl. 272-57.00r
Kane, Richard E., and Reese, Frank L.; deceased (by Reese, Blanche C.; executrix), to Westinghouse Electric Corporation. High-voltage circuit interrupter incorporating series vacuum interrupter elements. 3,792,213, 2-12-74, Cl. 200-144.00b
Kane, Richard E.; and Fischer, William H., to Westinghouse Electric Corporation. Combination hand-jack, semaphore and travel indicator for high-voltage circuit interrupter. 3,852,556, 12-3-74, Cl. 200-310.000.
Kane, Robert J. Swimming pool cleaning apparatus. 3,820,172, 6-28-74, Cl. 4-172.150
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Kane, William S.; and Cardwell, Paul H., to Deepsea Ventures, Inc. Method for selective by leaching metal values from ocean floor nodules. 3,795,596, 3-5-74, Cl. 204-105.00m.
Kane, William S., and Cardwell, Paul H., to Deepsea Ventures, Inc. Mixed ore treatment of ocean floor nodule ore and iron sulfidic land based ores. 3,809,624, 5-7-74, Cl. 204-105.00m
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Kane, William S.; and Cardwell, Paul H., to Deepsea Ventures, Inc. Process for recovering manganese from its ore. 3,832,165, 8-27-74, Cl. 75-80.000
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Kaneda, Tadayoshi, and Tanaka, Mitsuaki, to Glory Kogyo Kabushiki Kaisha. Theftproof coin receptacle for coin-operated apparatus. 3,841,550, 10-15-74, Cl. 232-15.000
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Kaneko, Eigi; and Nakajima, Masa. Chromium plating bath. 3,790,455, 2-5-74, Cl. 204-51.000.

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Kaneko, Haruo; Katagiri, Yoshio; and Okada, Tomonori, to Nippon Electric Company, Limited. Drift-compensated double sampling sequential feedback type encoding system. 3,816,825, 6-11-74, Cl. 340-347.0ad.

Kaneko, Hideo; and Inoue, Kiyoshi. Magnetic alloys. 3,806,336, 4-23-74, Cl. 75-122.000.

Kaneko, Hisashi, to Nippon Electric Company, Limited. Circuits and methods for processing delta-modulated signals. 3,793,513, 2-19-74, Cl. 235-152.000.

Kaneko, Kazuko. Freeze-drying process for producing a dry plant. 3,835,550, 9-17-74, Cl. 34-5.000.

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Kaneko, Masahiko; Miyama, Hiroshi; and Nishida, Jun, to Matsushita Electric Industrial Co., Ltd. Frame-by-frame video image recording apparatus. 3,786,182, 1-15-74, Cl. 178-6.70a.

Kaneko, Mitsutaka: *See*—
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Kaneko, Susumu: *See*—
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Kaneko, Tamaki, and Mizuno, Katsumi, to Ricoh Co., Ltd. Combination new master supply and used master receiving assembly. 3,793,950, 2-26-74, Cl. 101-142.000.

Kaneko, Toshiaki: *See*—
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Kaneko, Tutomu; Turumi, Takashi; Emori, Shuichi; and Ito, Ken, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for the manufacture of a non-woven web of continuous filaments through the wet stretch spinning method. 3,833,438, 9-3-74, Cl. 156-167.000.

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Kaneko, Yasuhisa; Komatsu, Yasuhiko; and Okada, Yasuo, to Toyota Jidosha Kogyo Kabushiki Kaisha. Cylinder head. 3,786,795, 1-22-74, Cl. 123-193.00h.

Kaneko, Yoichi: *See*—
Takahashi, Susumu; Sato, Hitoshi; Kaneko, Yoichi; Migitaka, Masatoshi; and Iida, Shinya, 3,814,997.

Kaneko, Yoichi; and Kimura, Katsuhiro, to Hitachi, Ltd. Solid state microwave oscillator with stabilizing resonator and AFC loop. 3,858,121, 12-31-74, Cl. 331-9.000.

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Kaneko, Yuichiro; Teraoka, Fuminori; Kubota, Tatsushi; and Nishikawa, Takehiko, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Safety belt device. 3,831,702, 8-27-74, Cl. 180-82.00c.

Kaneko, Yuichiro; Teraoka, Fuminori; Kubota, Tatsushi; and Nishikawa, Takehiko, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Safety belt winding energy accumulator device for use in vehicles. 3,831,971, 8-27-74, Cl. 280-150.0sb.

Kaneko, Yuichiro; Teraoka, Fuminori; Kubota, Tatsushi; and Nishikawa, Takehiko, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Safety belt device for vehicles. 3,857,581, 12-31-74, Cl. 280-150.0sb.

Kanekominami, Keiji; Okuzawa, Yasutoshi; and Numata, Saburo, to Fuji Photo Film Co., Ltd. Magazine. 3,804,351, 4-16-74, Cl. 242-199.000.

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Kanemoto, Kazuo; Ito, Toshikatsu; and Amano, Matsuo, to Hitachi, Ltd. Automatic temperature controller for air conditioner. 3,840,178, 10-8-74, Cl. 236-86.000.

Kanengieter, Glenn G., to Owatonna Manufacturing Company, Inc. Center axle suspension system for trailers. 3,792,870, 2-19-74, Cl. 280-81.00r.

Kanengieter, Glenn G.; and Barry, Gerald E., to Owatonna Manufacturing Company, Inc. Automatic hood system. 3,793,156, 2-19-74, Cl. 302-60.000.

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Kaner, Gary M.: *See*—
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Kanetaka, Junichi; Shimodiara, Takashi; and Hayashi, Kuniaki, to Mitsubishi Petrochemical Company Limited. Production of N-vinyl pyrrolidone. 3,821,245, 6-28-74, Cl. 260-326.5fn.

Kanetaka, Junichi; Shimodaira, Takashi; and Mori, Shoichiro, to Mitsubishi Petrochemical Company Limited. Process for producing α-lactones and cyclic ethers. 3,829,448, 8-13-74, Cl. 260-343.600.

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Kanetake, Norio, to Kabushiki Kaisha Kito. Metallic cementation. 3,811,929, 5-21-74, Cl. 117-107.20r

Kanetake, Thomas T.: *See*—
Pao, John; Wang, Raymond; Takashima, Ben Tsutomu; Pon, Chuck Y., and Kanetake, Thomas T., 3,836,959.

Kaneyasu, Mutsumi: *See*—
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Ziegler, Charles O., 3,809,064.

Kanfoush, James J., 1/2 to Saad, Farida M. Medicinal preparation for skin diseases. 3,808,319, 4-30-74, Cl. 424-308.000.

Kang, Chunghee Kim; Warner, William D.; and Rice, Eldon E., to Swift & Company. Tenderization of meat with proteolytic enzymes. 3,818,106, 6-18-74, Cl. 426-2.000.

Kang, George S., to Bunker Ramo Corporation. Method and apparatus for walsh function filtering. 3,821,527, 6-28-74, Cl. 235-152.000.

Kang, Jung W.: *See*—
Mattlis, Peter M., White, Colin, Kang, Jung W., and Gill, Devinder S., 3,849,459.

Kang, Pierson S., to ChemPar Corporation. Die and method for cutting labels and the like. 3,850,059, 11-26-74, Cl. 83-7.000.

Kangas, Donald; and Neuendorf, W. Robert, to Dow Chemical Company, The. Coacervation of anion-containing aqueous disperes systems with amphoteric polyelectrolytes. 3,843,585, 10-22-74, Cl. 260-29.70n.

Kangas, Henry A.: *See*—
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Kangol Magnet Limited: *See*—
Minter, Robert Ernest; and Ashbridge, Derek McDonald, 3,838,845.

Kanicki, Walter J. Protective cushioning device. 3,801,984, 4-9-74, Cl. 2.002.000.

Kanig, Gerhard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of ion-exchanging shaped articles. 3,847,840, 11-12-74, Cl. 260-2.10e.

Kanij, Johannes B. W.; Noothout, Arend J.; and Hermans, Marie'E. A., to Reactor Centrum Nederland. Method for the preparation of concentrated anion-deficient salt solutions. 3,838,062, 9-24-74, Cl. 252-301.10r.

Kanij, Johannes Bastiaan Willem: *See*—
Bruijn, Engelbertus Jacobus; Hamburg, Fokko Wessel; Kanij, Johannes Bastiaan Willem; and De Rooy, Robert, 3,846,520.
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Furuya, Tetsuo; Ibe, Yoshio; Kanisawa, Hideo; and Sugino, Osakazu, 3,825,429.

Kanitz, Bruce R.; Koning, Virgil H., and Jacobson, Charles L., to Xerox Corporation. Data communication system. 3,831,091, 8-20-74, Cl. 325-18.000.

Kanjanavanit, Rachot. Method and apparatus for spread-foot piles. 3,832,859, 9-3-74, Cl. 61-53.600.

Kanjo, Wajih, to Cardwell Westinghouse Company. Cushioned bumper for scrapers. 3,836,180, 9-17-74, Cl. 280-481.000.

Kankaanpaa, Matti, to Valmet Oy. Twin-wire paper forming with wires wrapping around a suction web-forming breast roll and then following a curved path to a suction couch roll. 3,846,232, 11-5-74, Cl. 162-301.000.

Kankaanpaa, Matti, to Valmet Oy. Papermaking machine having a single wire run and a double wire run over a downwardly curving detwatering box. 3,846,233, 11-5-74, Cl. 162-312.000.

Kankakee Paint Manufacturing Company, Inc.: *See*—
Yovich, Daniel J., Stout, John L.; and Tribbey, Ralph E., 3,845,212.

Kanki, Hiroshi; Suzuki, Torao; and Kurita, Kazuyoshi, to Takeda Chemical Industries Ltd. Device for the transport and filling of ampoules. 3,837,378, 9-24-74, Cl. 141-146.000.

Kann, Shlomo: *See*—
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Kannari, Takehiko: *See*—
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Kannegiesser, Herbert, Kommanditgesellschaft. *See*—
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Kanner, Bernard: *See*—
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Kanner, Bernard; Prokai, Bela; and Rosemund, Walter R., to Union Carbide Corporation. Organosilicone polymeric foam stabilizer composition and polyester urethane foam produced therewith. 3,796,676, 3-12-74, Cl. 260-2.5ah.

Kanner, Rowland W.; and Smith, Clifford D., to Owens-Corning Fiberglas Corporation. Method and apparatus for applying a jacket to an elongated body. 3,798,870, 3-26-74, Cl. 53-30.000.

Kanngiesser, Karl-Werner, to Aktiengesellschaft Brown, Boveri & Cie. Method for controlling HVDC transmission system to avoid line frequency overvoltage upon load dumping. 3,801,895, 4-2-74, Cl. 321-27.00r.

Kanno, Hiroaki. Clamping iron for ski boots. 3,790,186, 2-5-74, Cl. 280-11.35c.

Kanno, Isawo; Takashima, Toshiyuki; and Bokuda, Yoshiyuki, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Laminated safety glass and interlayer therefor. 3,838,091, 9-24-74, Cl. 260-31.20r.

Kanno, Isawo; Takashima, Toshiyuki, and Bokuda, Yoshiyuki, to Seikisui Kagaku Kogyo Kabushiki Kaisha. Laminated safety glass and interlayer therefor. 3,855,055, 12-17-74, Cl. 161-199.000.

Kanno, Kyusei, to Asahi Kogaku Kogyo Kabushiki Kaisha. Single lens reflex camera. 3,848,984, 11-19-74, Cl. 354-38.000.

Kanno, Masashi; Miki, Sukeichi, and Takezaki, Tsuneo, to Matsushita Electric Industrial Co., Ltd. FM stereo demodulator. 3,824,346, 7-16-74, Cl. 79-15.0bt.

Kanno, Morio: *See*—
Kanai, Yoshio, Nohara, Akira, Honda, Haruomi, Kanno, Morio, and Sanno, Yasushi, 3,840,543.

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Kano, Gota; Fujiwara, Shohei; Iizuka, Mutsuo; Hasegawa, Hiromasa, and Sawaki, Tsukasa, to Matsushita Electronics Corporation. Schottky barrier pressure sensitive semiconductor device with air space around periphery of metal semiconductor junction. 3,786,32, 1-15-74, Cl. 317-235.00r.

Kano, Hideo; Ogata, Masuru; and Yukinaga, Hisajiro, to Shionogi & Co., Ltd. Quinone derivatives and compositions containing the same. 3,835,168, 9-10-74, Cl. 260-396.00r.

Kano, Ichiro; and Yamada, Yu, to Canon Kabushiki Kaisha. Projected image viewing device. 3,794,421, 2-26-74, Cl. 355-45.000.

Kano, Ichiro, to Canon Kabushiki Kaisha. High resolving-power duplicating lens of unit magnification. 3,797,916, 3-19-74, Cl. 350-214.000.

Kano, Ichiro, to Canon Kabushiki Kaisha. Mask pattern printing device. 3,853,398, 12-10-74, Cl. 355-43.000.

Kano, Minoru: *See*—
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Kano, Saburo: *See*—
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Kano, Sadaaki: *See*—
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Kanoh, Masatoshi: *See*—
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Kanou, Kimjo: *See*—
Nishimura, Hideo, Kanou, Kimjo; Ishigaki, Tamotsu, Hosotani, Tetsuo, and Kato, Sadamu, 3,817,129

Kanow, Willy, to Loewe-Opta GmbH. Frequency drift compensation for a voltage controlled oscillator. 3,857,108, 12-24-74, Cl. 331-14.000.

Kansai Hoon Kogyo Kabushiki Kaisha. *See*—
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Kansai Paint Company, Limited: *See*—
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Inamura, Keizo; Tatsuno, Tadayoshi, and Okoshi, Toshio, 3,850,660.
Juna, Kiyoshi; Imai, Takeo, Nakayama, Hiroyuki, Nobuyuki, Kita, Kiyohiko, Asada, and Tetsud, Aihara, 3,850,770
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Kansier, Denis A., to Ford Motor Company. Sling means for shoulder harness. 3,834,730, 9-10-74, Cl. 280-150.0sb

Kant, Michel, to Agence Nationale de Valorisation de la Recherche (ANVAR) Anvar. Method and apparatus for regulating the speed of an asynchronous electromagnetic machine having an open magnetic circuit. 3,801,840, 4-2-74, Cl. 310-13.000

Kanter, Hans Joachim, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Counter for condensation nuclei in air. 3,850,524, 11-26-74, Cl. 356-37.000

Kanter, Jerome J. Protection of columbium against oxidation. 3,802,929, 4-9-74, Cl. 148-6.300

Kanter, Jerome J. Protecting ferrous base metal articles against corrosion by treatment with niobium oxide. 3,809,572, 5-7-74, Cl. 117-127.000.

Kanter, Lawrence E. *See*—
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Kanter, Yale C., and Nemer, Bruce A. Compression opthalmodynamometer. 3,835,836, 9-17-74, Cl. 128-2.00t.

Kanto Denka Kogyo Co., Ltd. *See*—
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Kanto Seiki Company, Limited. *See*—
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Kataoka, Hirobumi; Suzuki, Kazunari; Takayama, Yoshio; and Iwata, Yoshisuke, 3,800,062

Kantola, Mikko, Haataja, Paavo, and Saarinen, Pentti. Tree cross-cutting device, in particular for felling growing trees. 3,817,303, 6-18-74, Cl. 144-34.00r.

Kantor, Frank J., to James, David, Corporation. Adjustable tray. 3,850,398, 11-26-74, Cl. 248-225.000.

Kantor, Frederick W. Rotary thermodynamic apparatus. 3,808,828, 5-7-74, Cl. 62-116.000.

Kantor, Ilia Solomonovich. *See*—
Alexandrov, Adolf Moritsovich; Balaian, Ruben Dzhangirovich; Suladze, Ippolit Davidovich; Aglitsky, Vladimir Efimovich; Kakhniashvili, Avtandil Semenovich; Kantor, Ilia Solomonovich; Dzhanelidze, Vazha Venediktovich; and Lachinov, Alexandr Alexandrovich, 3,747,007

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Martin, John Henry Edward James; and Kantor, Sidney, 3,812,249

Kantorski, Joseph W., Smith, Donald A., LaMarre, David A., Hansen, Donald H., and Thorburn, Milton R., to American Optical Corporation. Laser microprobe. 3,782,823, 1-1-74, Cl. 356-85.000

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Kantrowitz, Arthur R., and Rosa, Richard J., to Avco Corporation. Ram jet powered by a laser beam. 3,818,700, 6-25-74, Cl. 60-203.000

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Kanz, John W., and Gerds, Hermann, to Siemens Electrogerate GmbH. Method of making electric heating unit. 3,798,759, 3-26-74, Cl. 29-611.000.

Kanzaki Kokyukoki Mfg. Co., Ltd. *See*—
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Kanzaki Paper Mfg. Co., Ltd. *See*—
Higaki, Taiji, and Mikumo, Masao, 3,816,838

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Kapell, Henry K. Re-enterable splice enclosure. 3,836,694, 9-17-74, Cl. 174-22.000.

Kapff, Sixt Frederick: *See*—
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Kapff, Staxt Frederick: *See*—
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Kaphalakos, Peter. Antiseptic dental floss. 3,830,247, 8-20-74, Cl. 132-90.000.

Kapilow, Marvin Disposable ball point pen with eraser. 3,833,307, 9-3-74, Cl. 401-195.000.

Kapilow, Marvin. Disposable mechanical pencil assembly. 3,836,265, 9-17-74, Cl. 401-80.000.

Kapitan, John R. Self-attaching button. 3,787,935, 1-29-74, Cl. 24-113.0mp.

Kapitan, John R. Method and apparatus for attaching buttons. 3,795,948, 3-12-74, Cl. 24-90.0ta.

Kapitan, John R. Data mailing set. 3,833,167, 9-3-74, Cl. 229-69.000.

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Kaplan, Edward L., and Cless, Gerhard, to Gutner, Kenneth H. Plastic guide for drawer. 3,846,001, 11-5-74, Cl. 308-3.600.

Kaplan, Eric S. Connector for coaxial cable. 3,854,789, 12-17-74, Cl. 339-177.00r.

Kaplan, Ervin. *See*—
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Kaplan, Harry, and Papalos, John, to GAF Corporation. Phosphosulfurized surface active materials and method of producing same. 3,828,084, 8-6-74, Cl. 260-399.000.

Kaplan, Herbert E. Extension arrangement for glass top tables. 3,837,297, 9-24-74, Cl. 108-69.000.

Kaplan, Jean-Pierre, and Kyburz, Emilio, to Hoffmann-La Roche Inc. Process for benzothiepins. 3,811,026, 5-14-74, Cl. 4-20-72

Kaplan, Joseph, to Machine Components Corporation. Multidirectional joy stick type lever actuated switches. 3,811,018, 5-14-74, Cl. 200-6.00a.

Kaplan, Leonard Abraham, to RCA Corporation. Oscillator using controllable gain differential amplifier with three feedback circuits. 3,851,276, 11-26-74, Cl. 331-108.00d.

Kaplan, Martin *See*—
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Kaplan, Michael, and Matthies, Dennis Lee, to RCA Corporation. Metallized video disc having an insulating layer thereon. 3,843,399, 10-22-74, Cl. 117-217.000.

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Kaplan, Murray Arthur *See*—
Granatek, Edmund Stanley; Kaplan, Murray Arthur, and Granatek, Alphonse Peter, 3,814,800

Kaplan, Murray Arthur, and Granatek, Alphonse Peter, to Bristol-Myers Company. Dimethanesulfonates of certain 7-(o-aminomethylphenylacetamido)-3-[(heterocyclylthio)methyl] ceph-3-em-4-carboxylic acids. 3,840,535, 10-8-74, Cl. 260-243.00c

Kaplan, Norman C. Animal elevating means. 3,807,361, 4-30-74, Cl. 119-102.000.

Kaplan, Reuben A. Method of making a disposable precharged coffee bag. 3,846,569, 11-5-74, Cl. 426-394.000.

Kaplan, Richard B., Gonnella, Sebastian, and Abrams, Walter M., to Ultramet. Composite anode for rotating-anode X-ray tubes thereof. 3,819,971, 6-25-74, Cl. 313-330.000.

Kaplan, Ronald. Brush construction. 3,831,218, 8-27-74, Cl. 15-192.000.

Kaplan, Sam H., and Stachniak, Raymond M., to Zenith Radio Corporation. Interchangeable shadow mask. 3,794,873, 2-26-74, Cl. 313-85.00s.

Kaplan, Sam H., to Zenith Radio Corporation. Shadow mask blank for color cathode ray tube. 3,804,601, 4-16-74, Cl. 29-191.000.

Kaplan, Sam H., to Zenith Radio Corporation. Cathode ray tube image screen with single, optically continuous filter. 3,812,394, 5-21-74, Cl. 313-467.000.

Kaplan, Stanley D. Locking mechanism. 3,800,570, 4-2-74, Cl. 70-18.000.

Kaplar, Zsigmond *See*—
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Kaplow, Robert L. *See*—
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Kapolyi, Laszlo, Kaszanitzky, Ferenc, Lazar, Ferenc, and Vamos, Gyorgy, to Tatabanyai Szenbanyak. Production of aluminum and its alloys. 3,832,164, 8-27-74, Cl. 75-68.00b.

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Kappa Holding A.G. *See*—
Rohan, George Alexander, 3,809,567

Kappas, Nick. Cleaning solution. 3,843,544, 10-22-74, Cl. 252-156.000

Kappel, Freidhelm. Apparatus for anchoring an exchangeable battery box in the carriage of a battery driven vehicle. 3,847,242, 11-12-74, Cl. 180-68.500

Kapper, Friedhelm. Mounting support for the battery box in the carriage of battery driven vehicles. 3,838,745, 10-1-74, Cl. 180-68.500

Kappeler, Heini *See*—
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Kappenhagen, George A., and Tabor, James B., to Westinghouse Electric Corporation. Regulated dimmer for incandescent lamps. 3,821,601, 6-28-74, Cl. 315.311.000

Kappius, Fredrich, to Siemens Aktiengesellschaft. Electrical drive arrangement for rewinding equipment. 3,805,131, 4-16-74, Cl. 318-77.000

Kappl, Gerhard, and Dehlink, Alous F., to Reichert, C., Optische Werke AG. Microscope transmitting light illumination system using the kokler system. 3,833,282, 9-3-74, Cl. 350-87.000

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Kappus, Peter Gottfried to General Electric Company. Exhaust vectoring means. 3,792,587, 2-19-74, Cl. 60-229.000

Kapr, Charles F. *See*—
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Kapron, Felix P., to Corning Glass Works. Coupler for optical waveguide light source. 3,832,028, 8-27-74, Cl. 350-96.0wg.

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Karch, Ludwig, and Nowack, Siegfried, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Guidance means for magnetically suspended railway vehicles. 3,820,470, 6-28-74, Cl. 104-148.0ms

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Karlstrom, Rolf G E., and Jansson, Leif A., to Forenade Fabriksverken. Apparatus for cutting resilient porous material. 3,853,027, 12-10-74, Cl. 83-4.000.
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Karmas, George, to Ortho Pharmaceutical Corporation. Derivatives of the 2-(lower alkyl)-3-(lower alkyl)-4-aryl-3-or-4-cyclohexenecarbinols. 3,816,507, 6-11-74, Cl. 260-468.00r.
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Karmas, George. Derivatives of the 2-(lower alkyl)-3-(lower alkyl)-4-phenyl-3- or 4-cyclohexenecarboxylic acids. 3,832,376, 8-27-74, Cl. 260-469.000.
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Karnes, George T., to Shell Oil Company. Selectively perforating and treating a cased well. 3,820,604, 6-28-74, Cl. 166-297.000.
Karnes, George Thomas, to Shell Oil Company. Plug-displaced sand-packing process. 3,826,310, 7-30-74, Cl. 166-276.000.
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Karol, Joseph A., to Avco Corporation. Control system incorporating an improved three-dimensional cam arrangement. 3,803,929, 4-16-74, Cl. 74-99.00r.
Karol, Kenneth N., to International Business Machines Corporation. Aluminum surface and treatment thereof to enhance adhesion in printed circuit laminates. 3,838,506, 10-1-74, Cl. 29-625.000.
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Kasprzak, Vincent D., to Arvin Industries, Inc. Television scan converter bandwidth reduction device. 3,825,677, 7-23-74, Cl. 178-6.800.
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Kato, Masao: *See*—
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Kato, Michio: *See*—
Kubota, Tadashi; and Kato, Michio, 3,787,768.

Kato, Mihoru, and Nagasawa, Masao, to Nippondenso Co., Ltd. Ignition device for use in multiple cylinder internal combustion engine. 3,809,041, 5-7-74, Cl. 123-148.00e.

Kato, Mikio. Bathtub or the like drain control and overflow regulator. 3,835,484, 9-17-74, Cl. 4-199.000.

Kato, Mitsukuni; Komai, Takeshi; and Aoshima, Kazuyohi, to Nippon Oils and Fats Company Limited. Process for producing organic peroxides. 3,829,503, 8-13-74, Cl. 260-610.00r.

Kato, Motohiko, to Kabushiki Kaisha Yoshida Seisakusho. Apparatus for holding dental or medical instruments. 3,805,388, 4-23-74, Cl. 32-22.000.

Kato, Motohiko, to Kabushiki Kaisha Yoshida Seisakusho. Tray with astral lamp for dental use. 3,821,852, 7-2-74, Cl. 32-22.000.

Kato, Naoomi; and Tao, Morio, to Nippon Kogaku K K. Ophthalmoscopic camera. 3,851,954, 12-3-74, Cl. 351-7.000.

Kato, Nori, and Momose, Katsumi, to Canon Kabushiki Kaisha. Semiconductor wafer positioning device. 3,830,592, 8-20-74, Cl. 355-73.000.

Kato, Ryuichi: *See*—
Yanagida, Kisaku; Kato, Ryuichi; Suzuki, Tadao; and Takano, Yoshio, 3,843,436.

Kato, Saburo, to Ricoh Co., Ltd. Device for moving magnetic head away from magnetic sheet in magnetic recording and reproducing apparatus of the spiral track type. 3,821,812, 6-28-74, Cl. 360-101.000.

Kato, Saburo; and Hokari, Saburo. Audio-visual apparatus including magnetic sheet mounting and hold-down means. 3,837,738, 9-24-74, Cl. 353-23.000.

Kato, Saburo, to Ricoh Co., Ltd. Head feed means for magnetic spiral track recorder having two heads. 3,855,620, 12-17-74, Cl. 360-101.000.

Kato, Sadamu: *See*—
Nishimura, Hideo; Kanou, Kimjo, Ishigaki, Tamotsu; Hosotani, Tetsuo; and Kato, Sadamu, 3,817,129.

Kato, Satoru, and Tayama, Isamu, to Mitsubishi Denki Kabushiki Kaisha. Electric vacuum cleaner. 3,841,067, 10-15-74, Cl. 55-300.000.

Kato, Satoru, Fukuda, Kouki, and Nannichi, Kuninobu, to Mitsubishi Denki Kabushiki Kaisha. Electric vacuum cleaner. 3,856,488, 12-24-74, Cl. 55-300.000.

Kato, Seijun: *See*—
Hamana, Isao; Fujiwara, Yoshio, Yoshikawa, Hirofumi, Shiokawa, Kanzi, Kato, Seijun, and Nozawa, Testuo, 3,803,282.

Kato, Shigeru. *See*—
Kawakami, Masato, Ono, Ryotaro; Furuichi, Minoru, and Kato, Shigeru, 3,850,870.

Kato, Shogo. *See*—
Kitai, Kitoshi, Koyama, Mitsuo, Kato, Shogo, Takazawa, Yozuro, and Nagaoka, Shinji, 3,797,227.

Kato, Shoichi. *See*—
Aoki, Yukio, Yoshida, Susumu; Kato, Shoichi; Inada, Satoshi, and Ishida, Shuichi, 3,857,954.

Kato, Tadanari, Ikemi, Tadashi, Ooishi, Tutomu, Sano, Mitsuyoshi, Hayashida, Kengo, and Matsumoto, Chinami, to Nissan Motor Company, Limited. Method for preparing a monolithic catalyst containing a sol and the catalyst obtained therefrom. 3,856,707, 12-24-4, Cl. 252-455.00r.

Kato, Tadashi, to Ricoh Co., Ltd. Apparatus for the production of recording electrodes of the multiple needle type. 3,801,057, 4-2-74, Cl. 249-83.000.

Kato, Tadashi; Fujita, Michitaka; Kamakura, Masahi; Mizuta, Yutaka; Koyanagi, Hiroki; and Mizoguchi, Takuo, to Sumitomo Metal Industries, Limited. Process and device for cooling hot-rolled wire rods. 3,832,788, 9-3-74, Cl. 34-13.000.

Kato, Tadayoshi: *See*—
Nakamura, Hiroshi; Oyama, Hiroaki; Kato, Tadayoshi; and Miyo, Tokihiro, 3,805,173.

Kato, Taizo: *See*—
Mori, Keisuke; Yamada, Takehiro; Nakamoto, Katsumi, Onaka, Hirosi; Yamamoto, Takeshi; and Kato, Taizo, 3,831,918.

Kato, Taizo. Shaft-coupling device preventable from over-torque transmission. 3,827,260, 8-6-74, Cl. 64-29.000.

Kato, Takashi: *See*—
Mori, Kenjiro; Ikebe, Shigueaqui; Hirooka, Masaaki; and Kato, Takashi, 3,856,685.
Sugiura, Takahisa; Arai, Nobuyasu; Kato, Takashi, and Hotta, Hiroshi, 3,821,172.
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Toda, Tadahide; Nagano, Tetsuro; and Kato, Takashi, 3,849,984.
Yoda, Kazuhiro, and Kato, Takashi, 3,834,153.

Kato, Takashi, to Kabushiki Kaisha Daini Seikosha. Digital electronic timepiece having a perpetual calendar display device. 3,797,222, 3-19-74, Cl. 58-4.00a.

Kato, Takashi, Takahashi, Isao, Wakamatsu, Kojiro; and Shimizu, Yashuhiko, to Shimizu Kensetsu Kabushiki Kaisha and Toyo Kuki Chowa Kabushiki Kaisha. Air purifier. 3,804,942, 4-16-74, Cl. 423-239.000.

Kato, Takeshi. *See*—
Kaizaki, Hiroyuki, and Kato, Takeshi, 3,784,262.

Kato, Taketoshi. *See*—
Nakamura, Masakatsu, Yonezawa, Toshio; Kato, Taketoshi; Watanabe, Masaharu, and Akatsuka, Minoru, 3,812,519.
Nakamura, Masakatsu, Yonezawa, Toshio; Kato, Taketoshi; Watanabe, Masaharu, and Akatsuka, Minoru, 3,834,953.
Nakamura, Masakatsu; Yonezawa, Toshio; Kato, Taketoshi, Watanabe, Masaharu, and Akatsuka, Minoru, 3,858,238.

Kato, Taketosi, Umetsu, Masakazu, and Kobayashi, Toshio, to Ishizuka Garasu Kabushiki Kaisha. Process for producing metal coated glass-ceramic articles. 3,790,360, 2-5-74, Cl. 65-32.000.

Kato, Teruo. *See*—
Sugita, Yoshimitsu; Kato, Teruo; Sugawara, Katsuro; and Tamura, Masao, 3,821,783.

Kato, Tetsuji, Izumi, Mikio, and Morifuji, Kazuhiko, to Mitsubishi Rayon Company, Limited. Acrylic resinous composition and process therefor from a 3-stage emulsion polymerization system. 3,804,925, 4-16-74, Cl. 260-885.000.

Kato, Tetsuji, Izumi, Mikio, Chikanishi, Kunio, Handa, Ryoji; and Kobayashi, Jinpee, to Mitsubishi Rayon Company, Limited. Weather-and impact -resistant resin composition comprising a graft copolymer containing multi-layer polymer particles and a rigid resin. 3,830,878, 8-20-74, Cl. 260-876.00r.

Kato, Tetsuya, and Ohira, Tutomu, to Toray Industries, Inc. Flame retardant polyamide fiber composition using oxy-tin compounds and process for the preparation thereof. 3,829,400, 8-13-74, Cl. 260-37.00n.

Kato, Tetuo. *See*—
Katsumori, Teiji, Ohsaka, Yoshisuke, and Kato, Tetuo, 3,804,216.

Kato, Tojo. *See*—
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Kato, Tomezo Safe. 3,828,338, 8-6-74, Cl. 340-261.000.

Kato, Toshiaki. *See*—
Oishi, Kazuo, Kato, Toshiaki, Matsui, Takeshi, Hinachi, Matatoyo, and Yamada, Takashi, 3,846,796.

Kato, Toshio, and Shibuya, Chisei, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for preparing dialkyl (ethylenedioxy) bis-benzoate. 3,855,274, 12-17-74, Cl. 260-473.00r.

Kato, Toshitake, to Citizen Watch Company Limited. Calendar timepiece. 3,842,590, 10-22-74, Cl. 58-58.000.

Kato, Yasuo. *See*—
Ochiai, Kazuo; Araseki, Takashi, and Kato, Yasuo, 3,828,147.

Kato, Yasutosi *See*—
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Kato, Yoshiaki *See*—
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Kato, Yoshihiko *See*—
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Kato, Yoshio *See*—
Furukawa, Kazuo, Kato, Yoshio, Ohno, Hideo, and Katsuta, Hiroji, 3,854,933.

Kato, Yoshio; and Ogiwara, Yutaka, to Nippon Kogaku K.K. Optical measuring device employing a diaphragm with reflecting surfaces. 3,827,811, 8-6-74, Cl. 356-225.000.

Kato, Yoshiro; and Kado, Masaru, to Mitsui Toatsu Chemicals, Incorporated and Kumiai Chemical Industry Co., Ltd. Mixed herbicide composition. 3,849,109, 11-19-74, Cl. 71-100.000.

Kato, Yoshito: *See*—
Nakamura, Kenya; Fukuma, Nobuo, and Kato, Yoshito, 3,817,125.

Kato, Yukiya: *See*—
Ohira, Takuya, Shiraishi, Shunta, Matsushima, Hiroshi, Kato, Yukiya, Shimokawa, Kiyomitsu, and Yoshida, Kiroshi, 3,782,738.

Katoh, Hiroshi, to Victor Company of Japan, Ltd. Automatic tape loading type recording and/or reproducing apparatus having a pinch roller actuating device. 3,851,816, 12-3-74, Cl. 226-91.000.

Katoh, Jun. *See*—
Kurihara, Masayuki, Takebayasi, Akira, Goto, Kazuo, Higuchi, Norio, Kimata, Ryuzo, Katoh, Jun, and Minyu, Toshikazu, 3,801,726.

Katoh, Kanji *See*—
Matsushita, Mitsuhiro, Mirua, Akihiko, Uemura, Takeshi, and Katoh, Kanji, 3,818,671.

Katoh, Reichi. Process for producing a structural concrete block. 3,821,347, 6-28-74, Cl. 264-162.000.

Katoh, Takashi *See*—
Araki, Hidejiro, Katoh, Takashi, and Otani, Susumu, 3,846,870.

Katoh, Yoshiki. *See*—
Rokugawa, Kyuji, Katoh, Yoshiki, Kuninaka, Akira, and Yoshino, Hiroshi, 3,849,249.

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Katonak, David Allen. *See*—
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Katori, Youhei. *See*—
Niimi, Itaru; Kaneko, Yasuhisa, Noguchi, Masamitu, Uchida, Tsuneo, and Katori, Youhei, 3,852,063.

Katow, Takehumi, to Iwasaki Tsushinki Kabushiki Kaisha, a/k/a Iwatsu Electric Co., Ltd. Target of a cathode-ray tube. 3,829,887, 8-13-74, Cl. 357-31.000.

Katsafouros, Stavros George: *See*—
Ambrico, Louis Edward; Katsafouros, Stavros George, Kleen, Bergert George, and Lamoureux, William Roger, 3,809,947.

Katscher, Werner *See*—
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Leonid Savvich; Volokhonsky, Lev Avramovich; Nikulin, Alexandr Alexandrovich; Artemiev, Vladimir Dmitrievich; Edemsky, Vladiir Mikhailovich; and Voronin, Georgy Alexandrovich, 3,838,200.

Katsimbas, Themistoklis; Dalibor, Horst; and Quednau, Peter, to Reichhold-Albert-Chemie Aktiengesellschaft. Stoving lacquers. 3,812,067, 5-21-74, Cl. 260-28.50r.

Katsitadze, Shota Semenovich; Chkonia, Dzhansug Ilich; and Martiashvili, Alexandr Petrovich. Impact antispark alloy for machine parts. 3,793,009, 2-19-74, Cl. 75-159.000.

Katsube, Jinki: *See*—
Nakao, Masaru; Sasajima, Kikuo; Maruyama, Isamu; Takayama, Masaharu; Katayama, Shigenari; Ono, Keiichi; Yanagihara, Izumi; Tanaka, Yoshihiro; Katsube, Jinki; Inaba, Shigeho; and Yamamoto, Hisao, 3,850,935.

Katsube, Junki: *See*—
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Katsuda, Yoshio: *See*—
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Katsuda, Yoshio; and Kawanami, Toru, to Sumitomo Chemical Company, Ltd. and Dainippon Jochugiku Company, Ltd. Alkynylbenzyl cyclopropanecarboxylates. 3,795,696, 3-5-74, Cl. 260-468.00h.

Katsuda, Yoshio, to Dainippon Jochugiku Kabushiki Kaisha. Can for mosquito coils. 3,796,002, 3-12-74, Cl. 43-125.000.

Katsuda, Yoshio; and Ohno, Takashi, to Sumitomo Chemical Company, Ltd. and Dainippon Jochugiku Company, Ltd. Certain 5-alkynyl-2-furylmethyl esters of 2,2,3,3-tetramethyl cyclopropane carboxylic acid. 3,821,260, 6-28-74, Cl. 260-347.400.

Katsuda, Yoshio, to Dainippon Jochugiku Kabushiki Kaisha. Certain substituted furfurylesters of chrysanthemumic acid. 3,843,690, 10-22-74, Cl. 260-347.400.

Katsuda, Yushio, to Dainippon Jochugiku Kabushiki Kaisha. Substituted furfurylesters of chrysanthemumic acid. 3,796,730, 3-12-74, Cl. 260-347.400.

Katsuki, Hiroshi: *See*—
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Katsumata, Masayuki: *See*—
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Katsumata, Mitsuo; Miyamoto, Mitsunori; and Shirai, Kiyoshi, to Kokusan Denki Co., Ltd. Capacitor charge-discharge type ignition system for use in a two-cycle internal combustion engine. 3,824,976, 7-23-74, Cl. 123-148.00e.

Katsumata, Tomoaki: *See*—
Takeo, Keinosuke; Katsumata, Tomoaki; and Hijikata, Akimitsu, 3,788,120.

Katsumi, Mamoru: *See*—
Sato, Toshio; Katsumi, Mamoru; Kojima, Osamu; and Hara, Tadao, 3,822,312.

Katsumi, Mamoru; and Sato, Toshio, to Kao Soap Co., Ltd. Antistatic softening composition containing a quaternary ammonium salt and a ethenoxy quaternary ammonium salt. 3,850,818, 11-26-74, Cl. 252-8.800.

Katsumori, Teiji, to Tokico Ltd. Telescopic suspension unit. 3,788,433, 1-29-74, Cl. 188-314.000.

Katsumori, Teiji; Ohsaka, Yoshisuke; and Kato, Tetuo, to Tokico Ltd. Shock absorber and suspension mechanism. 3,804,216, 4-16-74, Cl. 188-314.000.

Katsura, Toyozo. *See*—
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Katsuragawa Denki Kabushiki Kaisha: *See*—
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Katsuragawa, Seiichi; and Fujinaga, Teruo, to Central Glass Co., Ltd. Stabilized 1,1,1-trichloroethane composition. 3,848,004, 11-12-74, Cl. 260-652.50r

Katsuragawa, Seiichi; and Koketsu, Norihisa, to Central Glass Co., Ltd. Stabilized trichloroethylene or tetrachloroethylene. 3,852,367, 12-3-74, Cl. 260-652.50r

Katsushima, Atsuo, Hisamoto, Iwao; Fukui, Shoshin; Takahisa, Kato; Nagai, Masayoki; and Iwatani, Akitoshi, to Daikin Kogyo Kabushiki Kaisha. Oil- and water repellent composition consisting of a fluorine containing polymer, selected salts and an antistatic gent 3,824,126, 7-16-74, Cl. 117-139.50r.

Katsuta, Hiroji: *See*—
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Katsuta, Takashi; Hattori, Masataka; Inaba, Masao; Iwamoto, Minao; and Suzuki, Takashi, to Nippon Electric Company, Limited. Video recording and/or reproducing apparatus having an automatic tape threading mechanism. 3,845,501, 10-29-74, Cl. 360-85.000.

Katsutani, Ryoseki: *See*—
Toda, Kenzo; Gondo, Hisashi; Kawasaki, Bunichiro; Abe, Mitsunobu; Katsutani, Ryoseki; Kawano, Tsuyoshi; Uehara, Norimasa; Saito, Yoshio; Suemune, Kenichiro; Shiraishi, Masahiko; Tadashige, Yoshifumi; Morimoto, Masao; Tsukamura, Takao; Watanabe, Kurayoshi; nd Nishimura, Teruhiko, 3,805,571.
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Katsuura, Tsuguo: *See*—
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Katsuyama, Shigeo; Atsumi, Asami; Masahide, Watanabe; Tsutomu, Sato; Toshiaki, Norimatsu; and Eizo, Nakajima, to Asahi Kasei Kogyo Kabushiki Kaisha. Apparatus for the scouring of wet-spun filament bundles. 3,781,950, 1-1-74, Cl. 28-1.0sm.

Katsuyama, Takehiro: *See*—
Kawai, Atsushi; Katsuyama, Takehiro; Suzuki, Migaku; and Ohta, Hidenori, 3,832,281.

Katt, Herbert L. Highway sign post. 3,820,906, 6-28-74, Cl. 403-2.000.

Katt, Herbert L. Post. 3,846,030, 11-5-74, Cl. 403-2.000.

Kattenberg, Hans Robert: *See*—
Haighton, Adolf Johan; and Kattenberg, Hans Robert, 3,855,254.

Kattenhorn, Marion R. Teaching aid device. 3,783,531, 1-8-74, Cl. 35-35.00b.

Katter, Gene S. Gravity ore classifier. 3,815,737, 6-11-74, Cl. 209-44.000.

Katter, Lincoln B.: *See*—
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Katter, Lincoln E.; and Galbraith, Lyle D., to Rocket Research Corporation. Crash restraint aspirating inflation system with canted nozzles. 3,801,127, 4-2-74, Cl. 280-150.0ab.

Katterheinrich, Fred H.; and Fox, Gerald B., to Hobart Manufacturing Company, The. Method and apparatus for treating dishwasher discharge. 3,789,860, 2-5-74, Cl. 134-104.000.

Kattner, Erich; and Bork, Klaus, to Siemens Aktiengesellschaft. Ink jet printer interchangeable recording head. 3,787,880, 1-22-74, Cl. 346-75.000.

Kattner, Erich; and Bork, Klaus, to Siemens Aktiengesellschaft. Waste ink disposal means for spray printing devices. 3,826,192, 7-30-74, Cl. 101-335.000.

Kattner, Ronald D., to General Tire & Rubber Company, The. Apparatus for applying high viscosity mixture of reactive components. 3,795,364, 3-5-74, Cl. 239-8.000.

Katto, Takayuki: *See*—
Murayama, Naohiro; Katto, Takayuki; and Funabashi, Shinichiro, 3,813,461.
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Katum Corporation: *See*—
Farmer, Robert B., 3,855,476.

Katunich, Samuel; and McKelvey, George C., to United States Steel Corporation. Method of starting tubes through drawing die. 3,820,230, 6-28-74, Cl. 29-470.300.

Katusha, Jerome M. Powder dispensing apparatus having a predictable controlled flow rate. 3,791,558, 2-12-74, Cl. 222-161.000

Katyll, Tadeusz: *See*—
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Katz, Alex J.; and Caldwell, Robert J., to Mohasco Industries, Inc. Chair with backrest movable up and down and hardware therefor. 3,813,150, 5-28-74, Cl. 297-353.000.

Katz, Alex J., Caldwell, Robert J.; and Cycowicz, Izchak, to Mohasco Industries, Inc. Lounger recliner with backrest up and down and hardware therefor. 3,850,475, 11-26-74, Cl. 297-85.000

Katz, Bernard. Adjustable time constant operating circuit. 3,845,398, 10-29-74, Cl. 328-127.000.

Katz, Bernard R. Proximity measuring employing a self-balancing bridge and measuring the adjustable balancing component thereof. 3,852,662, 12-3-74, Cl. 324-34.0ps.

Katz, Carlos: *See*—

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Bahder, George; and Katz, Carlos, 3,845,235.

Katz, Carlos; Garcia, Felipe; and Allam, Elsayed, to United States of America, Interior. Connector for use in capacitive graded splices. 3,825,670, 7-23-74, Cl. 174-73.00r.

Katz, Daniel; and Syben, Peter H., to United States of America, Army. Ammunition round with non-rigid attachment of projectile to cartridge case. 3,832,951, 9-3-74, Cl. 102-38.000.

Katz, Edward, to Anheuser-busch, Incorporated. Method for drying polymers. 3,816,939, 6-18-74, Cl. 34-9.000.

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Kawasski, Masahiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera flash controls with internal light detection. 3,842,428, 10-15-74, Cl. 354-145.000.
Kawasumi, Shohachi; Hirooka, Masaaki; and Yabuuchi, Hiroshi, to Sumitomo Chemical Company, Limited. Multicomponent interpolymers having alternating sequential structure. 3,814,734, 6-4-74, Cl. 260-63.00r.
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Kaye, Gordon E., to Mallory, P. R., & Co. Inc. Activator for a reserve electric cell, as in a flashlight. 3,827,914, 8-6-74, Cl. 136-113.000.
Kaye, Howard, to Research Corporation. Non-cyclopolymerized poly-l-vinyluracils. 3,824,225, 7-16-74, Cl. 260-88.30r.
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Kaye, Robert Lee. Image projection system with filmstrip cassette. 3,801,199, 4-2-74, Cl. 353-74.000.
Kaye, Saul. Method and means for assaying biological factors demonstrating quantal response. 3,787,290, 1-22-74, Cl. 195-103.50r.
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Kazaoka, Kenichi; Hirose, Kimiharu; Matsumoto, Hisao; and Takeshita, Yasuo, to Aisin Seiki Kabushiki Kaisha. Seatbelt retractor. 3,848,888, 11-19-74, Cl. 280-150.0sb.
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Keappler, Ernest W. Apparatus for pyrolysis of wastes. 3,787,292, 1-22-74, Cl. 202-118.000.
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Keener, Gary F.; Choiniere, Alcide; and Richitelli, Charles G., to Automation Industries, Inc. Disposable face mask. 3,815,596, 6-11-74, Cl. 128-188.000.
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Kelley, Albert W. Method and apparatus for transplanting. 3,846,936, 11-12-74, Cl. 47-58.000.

Kelley, Arnetta B.; and Poe, Harvey C. Renewable bait and tackle container. 3,835,575, 9-17-74, Cl. 43-56.000.

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Kelley, Leon O. Variable ripper plow shank assembly. 3,807,508, 4-30-74, Cl. 172-484.000.

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Kelley, Winfield L. Modular insulated heating element supports. 3,842,244, 10-15-74, Cl. 219-550.000.

Kelling, Leroy U. C., to General Electric Company. Anti-backlash servomotor drive system. 3,833,847, 9-3-74, Cl. 318-630.000.

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Kelly, Frederick Griffin. Heat engine. 3,822,554, 7-9-74, Cl 60-655.000.

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Kelly, John J. Combined mud flap and stabilizer therefor. 3,830,520, 8-20-74, Cl. 280-154.50r.

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Kelly, Larry. Gun-leveling device. 3,808,943, 5-7-74, Cl. 89-14.00c.

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Kelly, Michael J. Elastic scale instrument. 3,811,191, 5-21-74, Cl. 33-137.001.

Kelly, Michael J.; Kobylar, Alex W.; and Rekiere, Bernard J., to GTE Automatic Electric Laboratories Incorporated. Lossless network junctor for PCM digital switching systems. 3,825,690, 7-23-74, Cl. 179-15.0at.

Kelly, Michael J.; and Simon, Charles J., to GTE Automatic Electric Laboratories Incorporated. Digital dial pulse receiver. 3,851,110, 11-26-74, Cl. 179-18.0eb.

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Kelly, Robert C., to Upjohn Company, The. Tricyclic lactone bisalkanesulfonates. 3,816,460, 6-11-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Tricyclic lactone epoxides. 3,816,461, 6-11-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Tricyclic lactone aldehyde. 3,816,462, 6-11-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Tricyclic glycol. 3,816,463, 6-11-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Certain bicyclic lactone diols. 3,818,045, 6-18-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Process for preparing bicyclic lactone diols. 3,821,255, 6-28-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Process for preparing bicyclic lactone diols. 3,823,163, 7-9-74, Cl. 260-343.300.
Kelly, Robert C., to Upjohn Company, The. Novel tetrahydropyranyl lactol derivatives. 3,836,530, 9-17-74, Cl. 260-240.00r.
Kelly, Robert C., Wechter, William J.; and Gish, Duane T., to Upjohn Company, The. N4-Trihaloethoxy carbonyl arabinofuranosyl cytosine 5'-esters. 3,847,898, 11-12-74, Cl. 260-211.50r.
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Kelly, Samuel T., to Robertshaw Controls Company. Linear actuator. 3,805,099, 4-16-74, Cl. 310-12.000.
Kelly, Thomas E.; and Shelton, James K. Cofferdam. 3,857,249, 12-31-74, Cl. 61-68.000.
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Kelly, Timothy A.; and Callahan, David T., to Graham-White Sales Corporation, mesne. Hingeless ventilator. 3,839,950, 10-8-74, Cl. 98-216.000.
Kelly, Warner M.; and Fredd, John V., to Otis Engineering Corporation. Fire sufety valve. 3,842,853, 10-22-74, Cl. 137-75.000.
Kelly, William; deceased (by Kelly, Monica; and Kelly, John; representatives); and Halpern, Alfred, to Mundipharma AG. Stabilized choline salicylate compounds. 3,855,282, 12-17-74, Cl. 260-501.150.
Kelly, William A.; Lander, Lynn H.; and Mlcoch, Frank C., Jr., to Lever Brothers Company. Spray dried controlled density detergent composition. 3,799,880, 3-26-74, Cl. 252-110.000.
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Kelseaux, Ray M.; and Biles, Jerry W., to Cities Service Oil Company. Arctic islands. 3,842,607, 10-22-74, Cl. 61-46.000.
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Kemmerer, Wayne J.; Dicola, Vincent C.; and Raddatz, Gene R., to Thomas Industries, Inc. Track light system. 3,801,951, 4-2-74, Cl. 339-21.00r.
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Kemmetmueller, Roland, to American Waagner-Biro Company, Inc. Apparatus for drying coal. 3,793,743, 2-26-74, Cl. 34-57.00a.
Kemmetmueller, Roland. Cooling or preheating device for coarse or bulky material with heat recovery equipment. 3,795,987, 3-12-74, Cl. 34-168.000.
Kemmetmueller, Roland, to American Waagner-Biro Company, Inc. Method of drying coal. 3,800,427, 4-2-74, Cl. 34-10.000.
Kemmetmueller, Roland. Apparatus for smokeless pushing and transportation of hot coke. 3,801,472, 4-2-74, Cl. 202-263.000.
Kemmetmueller, Roland, to American Waagner-Biro Company, Inc. Coal treating method and apparatus for coke plants. 3,843,458, 10-22-74, Cl. 201-39.000.
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Kemnitz, Robert H., to Allis-Chalmers Corporation. Crusher with hydraulically adjusted rotary assembly for supporting and gyrating a conical head. 3,788,569, 1-29-74, Cl. 241-214.000.
Kemnitz, Robert H., to Allis-Chalmers Corporation. Gyratory crusher with a pair of interchangeable axial thrust bearings. 3,811,626, 5-21-74, Cl. 241-214.000.
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Kemnitzer, Ronald. Educational toy. 3,849,912, 11-26-74, Cl. 35-28.300.
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Kemp, Rodney J., to Eastman Kodak Company. Aromatic compositions for treating silver images. 3,832,175, 8-27-74, Cl. 96-29.00l.
Kemp, Woodrow E., to Koppers Company, Inc. 1-(Bis(2-hydroxypropyl)-nitriloethylene)-5-arsa-1-aza-4,6-dioxacycloactyl arsenic ether. 3,819,670, 6-25-74, Cl. 260-440.000.
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Kempler, Aurora Constantinesco. Drain plugs. 3,795,924, 3-12-74, Cl. 4-287.000.
Kempson, Bertram Carl; and Nicholls, James Andrew, to Dowty Hydraulic Units Limited. Hydraulic apparatus. 3,788,063, 1-29-74, Cl. 60-19.000.
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Kempton, Calvin E.; and Reinicke, Robert H., to Parker-Hannifin Corporation. Solenoid valve with electronic position indicator. 3,789,876, 2-5-74, Cl. 137-554.000.
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Kendall, Don Leslie, to Texas Instruments, Incorporated. Process for the fabrication of semiconductor materials. 3,810,791, 5-14-74, Cl. 148-1.500.

Kendall, Earl W., to Rohr Corporation. Method of electrolitic descaling-activating and brightening and plating titanium and its alloys. 3,817,844, 6-18-74, Cl. 204-15.000.

Kendall, George A.; and Roseberry, Donald E., to Wickers Corporation, The. Orbital crankshaft lathe. 3,789,709, 2-5-74, Cl. 82-9.000.

Kendall, Giles A.; and Bhutani, Harish K., to Menasco Manufacturing Company. Shock absorber device. 3,795,390, 3-5-74, Cl. 267-33.000.

Kendall, Giles A.; and Wallace, William D., 1/2 each to Menasco Manufacturing Co. and Miner Enterprises, Inc. Damping apparatus. 3,819,060, 6-25-74, Cl. 213-43.000.

Kendall, Giles A.; Hoppe, James C.; and Hsieh, Wilbur P., to Manasco Manufacturing Company. Dual length pendulum shock absorbing system. 3,823,903, 7-16-74, Cl. 248-18.000.

Kendall, Harold E., Jr. Apparatus for peeling fruit and vegetables. 3,818,821, 6-25-74, Cl. 99-540.000.

Kendall, Jack B.; and Nordahl, James H., to Atlantic Richfield Company. High capacity geometrically-favorable solvent extraction columns for processing fissile materials. 3,854,176, 12-17-74, Cl. 23-267.00c.

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Kendall, Roger Vernon, to American Cyanamid Company. Process for the synthesis of bis-N-phosphorylated compounds. 3,852,397, 12-3-74, Cl. 260-968.000.

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Kendall, Wyvil R., to General Electric Company. Irradiated fuel processing system. 3,827,579, 8-6-74, Cl. 214-8.50c.

Kendall, Wyvil R., to General Electric Company. Nuclear fuel rod bundle handling means useful in an irradiated fuel reprocessing system. 3,855,684, 12-24-74, Cl. 29-200.00d.

Kendick Manufacturing Co.: *See—*
Bugg, Kenly C., 3,789,525.

Kendler, Hayden Brian; Ripley, Lionel George; and Woollons, David John, to National Research Development Corporation. Light pen. 3,825,746, 7-23-74, Cl. 250-209.000.

Kendrick, Earl L.; and Sandberg, Harry W., to Du Pont de Nemours, E. I., and Company. Fluid heat exchange system. 3,804,160, 4-16-74, Cl. 165-145.000.

Kendrick, Gary R.: *See—*
Sauder, Robert A.; Kendrick, Gary R.; and Mase, John R., 3,819,468.

Kendrick, Lucian A., Jr., to Tennessee Valley Authority. Production of suspension fertilizers from wet-process orthophosphoric acids. 3,813,233, 5-28-74, Cl. 71-34.000.

Kendrick, William T. Model rocket. 3,795,194, 3-5-74, Cl. 102-34.100.

Kendy, Leonard; and Frey, Richard L., to Hughes Aircraft Company. Laser-sight and computer for anti-aircraft gun fire control system. 3,845,276, 10-29-74, Cl. 235-61.50s.

Keneko, Kozo: *See—*
Miyajima, Nobuo; Keneko, Kozo; Ohnuki, Iwao; and Noboru, Okubo, 3,813,088.

Kenics Corporation: *See—*
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Grout, Kenneth M.; and Devellian, Richard D., 3,800,985.

Kenison, Walter D. Drapery hanger. 3,792,776, 2-19-74, Cl. 211-118.000.

Kenjesky, Raymond J., to U.S. Industries, Inc. Egg guard for poultry cages. 3,799,114, 3-26-74, Cl. 119-17.000.

Kenkyusho, Kagaku: *See—*
Okamura, Seizo; and Hino, Tsunetoshi, 3,808,113.

Kenna, Fenton L., Jr.: *See—*
Fachini, Robert M.; Kenna, Fenton L., Jr.; Barrett, Monroe C., Nickla, Louis E.; and Graham, Robert L., 3,788,495.

Kennametal Inc.: *See—*
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Brown, Thomas A.; and Huber, Joseph B., 3,786,546.
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Kennard, Harry M.: *See—*
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Kennard, Ronald Lester: *See—*
Moscony, John Joseph; and Kennard, Ronald Lester, 3,833,375.

Kennard, Thomas J.; and Moseman, Lawrence E. Number guessing game device. 3,825,255, 7-23-74, Cl. 273-1.00e.

Kennecott Copper Corporation: *See—*
Adamson, David L.; and Tuddenham, William M., 3,832,296.
Agarwal, Jagdish C.; and Wilder, Thomas C., 3,788,841.
Ammann, Paul R.; Kim, Jang Ho; and Redman, Michael J., 3,857,699.
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Carey, Curtis D.; and Platzke, Ronald N., 3,848,069.
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Templeton, Frederick E.; Tuddenham, William M.; Butterfield, Veloy H., Jr.; and Shipley, Barton F., 3,792,457.
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Palm, Bert E.; and Kennedy, Alexander W., 3,849,141.

Kennedy, Alvin B., Jr., to Catalyst Services, Inc. Method of analyzing catalyst action. 3,787,183, 1-22-74, Cl. 23-230.00r.

Kennedy, Andrew J., to United States of America, Army. Tuneable infrared photocathode. 3,814,993, 6-4-74, Cl. 357-30.000.

Kennedy, Anthony W.: *See—*
Koboldt, Melvin A., 3,837,523.

Kennedy, Brian R., to Chevron Research Company. Extreme pressure lubricating oil additive. 3,844,964, 10-29-74, Cl. 252-48.200.

Kennedy, C. Bruce, to Polaroid Corporation. Automatic photostudio comprising automatic film cassette changing apparatus. 3,820,136, 6-25-74, Cl. 354-81.000.

Kennedy, C. Bruce; and Pasieka, John F., to Polaroid Corporation. Compact automatic photostudio. 3,821,760, 6-28-74, Cl. 354-76.000.

Kennedy, C. Bruce; and Pasieka, John F., to Polaroid Corporation. Photographic apparatus for successively presenting a sequence of film units to an exposure station and then processing the film units. 3,852,783, 12-3-74, Cl. 354-174.000.

Kennedy, Carl D.: *See—*
Clark, Charles R.; Gregory, M. Duane; Kerfoot, Oliver C.; Veatch, Fred C.; Krehbiel, Delmar D.; and Kennedy, Carl D., 3,847,823.
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McGuire, Stephen E.; Kennedy, Carl D.; and Stauter, John C., 3,845,862.

Kennedy, Carl D.; Butler, Claude D.; Krehbiel, Delmar D.; and Nicks, Gene E., to Continental Oil Company. Sultone recovery. 3,787,441, 1-22-74, Cl. 260-327.00s.

Kennedy, Carl D. Production of macrocyclic compounds. 3,833,491, 9-3-74, Cl. 204-158.00s.

Kennedy, Daniel M.: *See—*
Hess, Earl H.; Kennedy, Daniel M.; and Whitman, Charles I., 3,846,545.

Kennedy, David C.: *See—*
Hurwitz, Marvin J.; Kennedy, David C.; and Kollman, Carl J., 3,853,758.

Kennedy, David C., to Rohm & Haas Company. Abatement of air pollution from organic compounds with polymeric adsorbents. 3,798,876, 3-26-74, Cl. 55-59.000.

Kennedy, David H.: *See—*
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Kennedy, David O.; and Paleos, John, to Rohm and Haas Company. Fuel evaporative emission control based on polymeric adsorbents. 3,805,493, 4-23-74, Cl. 55-74.000.

Kennedy, Dennis L., to Martec Corporation. Vehicular steering system. 3,817,555, 6-18-74, Cl. 280-266.000.

Kennedy, Dorothy L.: *See—*
Eberhardt, George J.; and Kennedy, Gilbert, 3,791,016.

Kennedy, Duane O.: *See—*
Eskridge, Wade A.; and Kennedy, Duane O., 3,853,036.

Kennedy, Eugene F., to Continental Oil Company. Anionic surfactant slurry containing dihexyl ether as viscosity reducer and method of providing said slurry. 3,794,601, 2-26-74, Cl. 252-355.000.

Kennedy, Frank, to United States Steel Corporation. Trunnion shaft fluid supply device. 3,795,389, 3-5-74, Cl. 266-36.00p.

Kennedy, Frank, to United States Steel Corporation. Polystyrene extruder die plate. 3,857,665, 12-31-74, Cl. 425-378.000.

Kennedy, Gilbert. *See—*
Eberhardt, George J.; and Kennedy, Gilbert, 3,791,016.

Kennedy, Harvey J. Lock mechanism for freight car doors. 3,836,186, 9-17-74, Cl. 292-189.000.

Kennedy, James: *See—*
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O'Callaghan, Cynthia Hilda; Clark, John Colin; Kennedy, James; Kirby, Susan Mary; Long, Alan Gibson; Morris, Allan; Shingler, Anthony Harold; and Weir, Niall Galbraith, 3,830,700.

Kennedy, James; Long, Alan Gibson; and Underwood, William George Elphinstone, to Glaxo Laboratories, Limited. Cephalosporin compounds. 3,790,567, 2-5-74, Cl. 260-243.00c.

Kennedy, James; Long, Alan Gibson; and Underwood, William George Elphinstone, to Glaxo Laboratories Limited. Cephalosporin compounds. 3,846,416, 11-5-74, Cl. 260-243.00c.

Kennedy, James C., Jr.: *See—*
Duncanson, William T.; and Kennedy, James C., Jr., 3,800,909.

Kennedy, James D., to Beatrice Foods Co. Spoke mountable display device with integral bracket. 3,820,852, 6-28-74, Cl. 301-37.00r.

Kennedy, James D., to Beatrice Foods Co. Spoke mountable bracket assembly. 3,854,777, 12-17-74, Cl. 301-37.0sa.

Kennedy, James H.: *See—*
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Kennedy, James S.: *See—*
West, Charles M.; Graham, Glen H.; and Kennedy, James S., 3,856,891.

Kennedy, John B.; and Pepper, Kenneth L., to Glober Tool and Engineering Company. Wire guides for armature winding machines. 3,785,580, 1-15-74, Cl. 242-7.05b.

Kennedy, John B., Jr.: *See—*
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Rarey, Kenneth W.; and Kennedy, John B., Jr., 3,824,924.

Kennedy, John B., Jr., to Continental Can Company, Inc. Method and apparatus for electrostatic printing using triboelectric inking developers. 3,828,670, 8-13-74, Cl. 101-114.000.

Kennedy, John D.: *See—*
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Kennedy, John J.: *See—*
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Kennedy, Joseph P.: *See—*
Thaler, Warren A.; Buckley, Donald J.; and Kennedy, Joseph P., 3,808,177.
Thaler, Warren A.; Buckley, Donald J., Sr.; and Kennedy, Joseph P., 3,856,763.

Kennedy, Maurice E.; and Golbeck, Bernard J., to Lewandowski, Raymond F. Oak Industries Inc. Multiple circuit control pushbutton switch assembly with improved pushbutton actuator latch bar mechanism and movable contacts. 3,783,204, 1-1-74, Cl. 200-5.0eb.

Kennedy, Maxine D. Cast sandal. 3,798,803, 3-26-74, Cl. 36-11.500.

Kennedy, Melvin R.: *See—*
Pitkanen, Alan R.; Kennedy, Melvin R.; Nagel, Dietmar; Gross, William J.; and Bosley, Denis V., 3,825,265.

Kennedy, Neal R.; and Kennedy, William A., Jr., to Corken Pump Company. Compressor valve. 3,805,827, 4-23-74, Cl. 137-516.170.

Kennedy, Paul G.: *See—*
Wood, Kenneth E.; Parrish, William F.; and Kennedy, Paul G., 3,792,194.

Kennedy, Paul G.; and Sziklai, George C., to Westinghouse Electric Corporation. Frequency selective network. 3,793,593, 2-19-74, Cl. 330-103.000.

Kennedy, Paul G., to Westinghouse Electric Corporation. Scan conversion with magnetic drum or disc. 3,837,004, 9-17-74, Cl. 358-11.000.

Kennedy, Peter D., to United States of America, Navy. Automatic memory test and correction system. 3,794,818, 2-26-74, Cl. 235-153.0am.

Kennedy, Ralph C., to Colt Industries Operating Corp. (Firearms Division). Cross bolt safety for single action revolvers. 3,824,728, 7-23-74, Cl. 42-66.000.

Kennedy, Robert J., and Kennedy, Rose M. Garbage can holder. 3,822,845, 7-9-74, Cl. 248-147.000.

Kennedy, Rose M.: *See—*
Kennedy, Robert J.; and Kennedy, Rose M., 3,822,845.

Kennedy, Sterling R. Method of purifying water. 3,801,501, 4-2-74, Cl. 210-59.000.

Kennedy, Sterling R. Mixing apparatus for forming a slurry. 3,807,700, 4-30-74, Cl. 259-4.000.

Kennedy, Sterling R. Sewage treatment apparatus. 3,809,245, 5-7-74, Cl. 210-207.000.

Kennedy Tank & Manufacturing Company, Inc.: *See—*
Herdman, William B.; and Sonnenberg, Charles W., 3,803,692.

Kennedy, Waldron Nathaniel, to Lear Siegler, Inc. Heat exchange shell having an offset seam. 3,807,382, 4-30-74, Cl. 126-116.00r.

Kennedy, Wiley T.: *See—*
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McNeely, Arthur O.; Kennedy, Wiley T.; and Huska, Paul, 3,855,031.

Kennedy, William A., Jr.: *See—*
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Kennedy, William A., Jr., to Corken Pump Company. Automatic pressure control system for pumps. 3,811,792, 5-21-74, Cl. 417-28.000.

Kennel, Michael; and Quiquerez, Joseph, to Societe Anonyme dite: Compagnie Francaise de Raffinage. Method for the preparation of

a bituminous paving compositions and compositions obtained thereby. 3,832,200, 8-27-74, Cl. 106-281.00r.
Kennell, Franklin B. Burglar and personal protection alarm for vehicles. 3,820,066, 6-25-74, Cl. 340-65.000.
Kennelly, Cleve F. Bicycle rack. 3,785,500, 1-15-74, Cl. 211-5.000.
Kennerk, Robert D.: *See—*
Haifley, William E.; Kennerk, Robert D.; and Woods, Richard E., 3,815,898.
Kennette, John Wilson; and Ness, Irving Stanley, to Johnson & Johnson. Absorbent facing material. 3,828,783, 8-13-74, Cl. 128-284.000.
Kenney, Donald M.: *See—*
Fitzgibbons, William A.; Kenney, Donald M.; and Michaud, Ronald A., 3,806,382.
Foehring, Robert A.; Garnache, Richard R.; and Kenney, Donald M., 3,805,736.
Kenney, Edward J.: *See—*
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Kenney, Edward S.: *See—*
Jacobs, Alan M.; and Kenney, Edward S., 3,832,562.
Kenney, Harold E.; and Donahue, Edward T., to United States of America, Agriculture. Metallic dibasic fatty soap based greases. 3,828,086, 8-6-74, Cl. 260-413.000.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, to United States of America, Agriculture. Lithium polycyanoethylated keto fatty soap based greases. 3,832,368, 8-27-74, Cl. 260-404.000.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, to United States of America, Agriculture. Cyanoethoxylated fatty acid metal soap thickened greases. 3,835,051, 9-10-74, Cl. 252-33.600.
Kenney, Harold E.; Donahue, Edward T.; and Maerker, Gerhard, to United States of America, Agriculture. Greases thickened with keto fatty acid lithium soaps or keto cyanoethylated fatty acid lithium soaps. 3,836,468, 9-17-74, Cl. 252-33.600.
Kenney, Harold E.; and Donahue, Edward T., to United States of America, Agriculture. Ether-containing dibasic fatty acid metal soap thickened greases. 3,856,688, 12-24-74, Cl. 252-39.000.
Kenney, James W.: *See—*
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Kenney, James W., to Drummond Scientific Company. Apparatus for drawing liquids into, and expelling liquids from, a pipette or the like. 3,834,240, 9-10-74, Cl. 73-425.600.
Kenney, John Thomas: *See—*
Ferrara, Anne Marie, and Kenney, John Thomas, 3,791,939.
Kenney, John Thomas, to Western Electric Company, Incorporated. Method of depositing a metal on a surface of a nonconductive substrate. 3,783,005, 1-1-74, Cl. 117-212.000.
Kenney, John Thomas; and Litt, Frederic Alan, to Western Electric Company Incorporated. Dispersing a water-immiscible liquid in an aqueous medium. 3,816,329, 6-11-74, Cl. 252-312.000.
Kenney, John Thomas, to Western Electric Company, Incorporated. Photosensitive silver halide composition. 3,854,952, 12-17-74, Cl. 96-94.0bf.
Kenney, Malachi P. Continuous steel casting method. 3,840,062, 10-8-74, Cl. 164-66.000.
Kenney Manufacturing Company: *See—*
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Kenney, Michael J., to Dunlap Limited. Conveyor belts. 3,810,278, 5-14-74, Cl. 24-31.00w
Kenney, Michael John, to Dunlop Limited. Conveyor belts. 3,839,766, 10-8-74, Cl. 24-31.00w.
Kenney, Phillip E., to Ledex Inc. Contactless selector switch. 3,800,204, 3-26-74, Cl. 318-480.000.
Kenney, Ralph L.: *See—*
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Kennicutt, Robert B.; and Mounts, William T., to Caterpillar Tractor Company. Tractor cab mounting apparatus. 3,847,492, 11-12-74, Cl. 403-224.000.
Kennington, Joseph B., to Brennan, Francis P. Packing brace for washing machines and the like. 3,809,232, 5-7-74, Cl. 206-320.000.
Kennon, Richard D.: *See—*
Grove, Louis C., Jr.; Harder, John E., Kennon, Richard D.; and Santilli, James N., 3,801,870.
Kenny, Andrew Augustine; Larson, Richard Kendall; and Janous, Donald Frank, to Eaton Corporation. Vacuum control valve. 3,856,045, 12-24-74, Cl. 137-625.110.
Kenny, John; and Wilds, Alan. Long life implantable cardiac pacer generator and method of construction. 3,842,842, 10-22-74, Cl. 128-419.00p.
Kenny, Joseph R.; Welch, Rolland Ernst; Reading, William H., III, and Carson, Alfred H., to Optical Recognition Systems. Character recognition apparatus. 3,851,309, 11-26-74, Cl. 340-146.30c.
Kenny, Neal S.: *See—*
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Kenny, Philip C.: *See—*
Bliss, Arthur E.; and Kenny, Philip C., 3,852,521.
Kenny, Thomas M. Temperature-sensitive snap-action valve. 3,857,446, 12-31-74, Cl. 169-60.000.
Kenon, Clarence. Golf set. 3,848,737, 11-19-74, Cl. 206-315.000.
Kenon Corporation: *See—*
Panico, Richard, 3,782,889.
Kenreich, Richard R.; Schulz, Paul L.; Houck, Albert; and Kretchman, Gerald L., to Whirlpool Corporation. Brake yoki rod retainer for automatic washers. 3,818,729, 6-25-74, Cl. 68-23.700.
Kenrick, Archibald, & Sons Limited: *See—*
Burnell, Hughie, 3,854,516.
Kenrick, Earl L.; and Sandbert, Harry W., to Du Pont de Nemours, E. I., and Company. Fluid heat exchange system. 3,805,881, 4-23-74, Cl. 165-1.000.
Kensai Paint Co., Ltd.: *See—*
Nakayama, Hiroyuki; and Asasa, Kiyohiko, 3,814,703.
Kensington Scientific Corporation: *See—*
Allen, Donald M.; and Lee, Thomas E., 3,815,790.
Kensler, Daniel L., Jr.; and Walgenbach, David D., to Chevron Research Company. Preservative composition for moist grain. 3,836,655, 9-17-74, Cl. 424-286.000.
Kensrue, Milo M. Automatic fillet and butt welding apparatus. 3,843,866, 10-22-74, Cl. 219-124.000.
Kensruf, Milo M. Scaffold planking clamp. 3,854,552, 12-17-74, Cl. 182-222.000.
Kent, Alan; and Topley, Bryan, to United Kingdom of Great Britain and Northern Ireland, Minister of Supply in Her Britannic Majesty's Government of the. Preparation of alkyldichlorophosphines. 3,829,479, 8-13-74, Cl. 260-543.00p.
Kent, Alan Walter; and O'Riley, Kenneth Walter, to Vickers Limited. Removal of flexible sheet from rotary drums. 3,839,958, 10-8-74, Cl. 101-132.000.
Kent, Allan R.: *See—*
Kotok, Alan; Kent, Allan R.; and Gross, David A., 3,810,110.
Kotok, Alan; Kent, Allan R.; and Gross, David A., 3,836,889.
Kent, Arthur P.; and Marks, Mortimer, to Marks Polarized Corporation. Apparatus for converting motion picture projectors for stereo display. 3,851,955, 12-3-74, Cl. 352-60.000.
Kent, Brean Ernest: *See—*
Wilson, Alan Donald; and Kent, Brean Ernest, 3,814,717.
Kent, Bromley: *See—*
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Kent, Cecil, to Creators Limited. Plastic trim strips. 3,843,475, 10-22-74, Cl. 161-4.000.
Kent, David Earl: *See—*
Dempsey, Edward Justing; Kent, David Earl; and Hudspeth, Patrick William, 3,789,279.
Kent, Eric George: *See—*
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Kent, Eric George; and Wei, Yung-Kang, to Polymer Corporation Limited. Vulcanizable compositions. 3,808,295, 4-30-74, Cl. 260-888.000.
Kent, Eric George, to Polymer Corporation Limited. Moldable compositions based on trans-1,4 polymers of isoprene. 3,838,098, 9-24-74, Cl. 260-41.50r.
Kent, Francis J.; and Jaworski, George M., to Wean United, Inc. Container cooling system for presses. 3,835,685, 9-17-74, Cl. 72-263.000.
Kent, Francis J.; and Jaworski, George M., to Wean United, Inc. Positioning apparatus for containers of extrusion presses. 3,839,894, 10-8-74, Cl. 72-263.000.
Kent, Francis J.; to Wean United, Inc. Positioning means and method for containers of a press. 3,842,641, 10-22-74, Cl. 72-263.000.
Kent, Francis J.; and Jaworski, Goerge, to Wean United Inc. Driving means for containers of extrusion press 3,842,642, 10-22-74, Cl. 72-263.000.
Kent, Francis Joseph; and Steinbrook, Seymour E., to Wean United, Inc. Control means for opposed rams of a press. 3,848,525, 11-19-74, Cl. 100-48.000.
Kent, Frederick M.: *See—*
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Kent, George, Limited: *See—*
Cousins, Terence; and Zanker, Klaus Joachim, 3,810,388.
Notley, John Percy William; and Noble, James Simon, 3,786,433.
Kent, Graham B., to Actuated Controls Limited. Pressure switch with operating lever having manually adjustable pre-loading means therefor. 3,789,171, 1-29-74, Cl. 200-83.00s.
Kent, Harry S., to Rohm & Haas Company Desuperheater. 3,791,351, 2-12-74, Cl. 122-479.00b
Kent, John Allan: *See—*
Madura, Francis Eli; and Kent, John Allan, 3,827,709.
Kent, John Scott: *See—*
O'Rourke, Anne Cecile; and Kent, John Scott, 3,826,823.

Kent, Joseph B. Roll off container. 3,841,505, 10-15-74, Cl. 214-83.300.
Kent, Peter Michael, to Brico Engineering Limited. Method of making a fuel injector. 3,820,213, 6-28-74, Cl. 29-156.70r.
Kent Plastics Corporation: *See—*
Haag, John Henry, 3,854,860.
Kent, Raymond C., to Armstrong Cork Company. Method of making a non-woven needled fabric having a random linear streaked design. 3,849,223, 11-19-74, Cl. 156-148.000.
Kent, Robert L.: *See—*
Hurtig, Carl R.; Kent, Robert L.; and Blumle, Leo J., 3,848,633.
Kent, Ronald Allan; and Evans, Robert Dee, to Dart Industries Inc. Carbon supported palladium catalyst. 3,804,779, 4-16-74, Cl. 252-447.000.
Kent, William Harold, Jr.: *See—*
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Kentner, Willard E. Vise for plastic pipe. 3,815,888, 6-11-74, Cl. 269-2.000.
Kenton, Joseph R., to Phillips Petroleum Company. Polythiol based sealants. 3,798,192, 3-19-74, Cl. 260-29.20m.
Kentor, William E., to Servbest Foods, Inc. Process for shaping comminuted meat products. 3,853,999, 12-10-74, Cl. 426-105.000.
Kentro, Dan M., to Molybdenum Corporation of America. Process for the removal of lead from molybenite. 3,854,930, 12-17-74, Cl. 75-1.000.
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Kenworthy, Milton J., to General Electric Company. Cooling film promoter for combustion chambers. 3,845,620, 11-5-74, Cl. 60-39.650.
Kenworthy, Samuel P., and Hall, Marcus A., to Claghorn, Frederic S. and DeWitt, John H.; d/b/a Cezoma International. Apparatus for fastening yarn winding tails. 3,784,119, 1-8-74, Cl. 242-18.00r.
Kenyon, Derek, to Imperial Chemical Industries Limited. High modulus tire cord. 3,849,976, 11-26-74, Cl. 57-140.00r.
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Kenyon, Richard Arthur, to International Business Machines Corporation. Double density non-volatile memory array. 3,851,317, 11-26-74, Cl. 340-173.00r.
Kenyon, Richard Arthur, to International Business Machines Corporation. Integrated driver circuit. 3,858,060, 12-31-74, Cl. 307-270.000.
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Kepka, Alfred Anton Franz; and Kepka, Herwig Guenther. Safety ski pole. 3,797,845, 3-19-74, Cl. 280-11.37b.
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Keppel, Charles M., to General Motors Corporation. Passive restraint belt arrangement for a vehicle occupant. 3,831,974, 8-27-74, Cl. 280-150.0sb.
Keppel, Wolf-Dieter, to Mannesmann & Keppel Electronics. Fluid flow regulators. 3,847,178, 11-12-74, Cl. 137-515.700.
Kepple, Richard K.; and Smith, Claude A., to General Motors Corporation. Transmission. 3,851,546, 12-3-74, Cl. 74-785.000.
Keppler, Hans-Georg; Zuern, Ludwig; and Stahnecker, Erhard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Purification of waste water from styrene bead polymer production. 3,829,378, 8-13-74, Cl. 210-42.000.
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Kerlman, Isadore B.; Strash, Alfred; and Kastner, Jacob, to United States of America, Atomic Energy Commission. Radiation detector using electro-optics. 3,831,028, 8-20-74, Cl. 250-336.000.
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Kern, Hall S.; and Barnes, Murphy L., Jr., to Environmental Design, Inc. Waterconserving methods and apparatus for flush toilets. 3,820,170, 6-28-74, Cl. 4-18.000.
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Kern, Loyd R.; and Striegler, John H., to Atlantic Richfield Company. Downhole drilling tool bearing and seal assembly. 3,807,513, 4-30-74, Cl. 175-107.000.

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Kerr, Bruce Goring, to Goring Kerr Limited. Two threshold level detector using a capacitive or inductive probe for sorting. 3,815,021, 6-4-74, Cl. 324-61.00r.

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Kerr, Edwin L., to Perkin-Elmer Corporation, The. Method and apparatus for measuring thin film absorption at laser wavelengths. 3,811,782, 5-21-74, Cl. 356-201.000.

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Kerr, Howard Stewart, to Spar Aerospace Products Limited. Multispectral camera. 3,796,826, 3-12-74, Cl. 179-7.200.

Kerr Instruments Limited: *See*—
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Kerr, James W. Safety device for hydraulically operated lift. 3,783,976, 1-8-74, Cl. 187-8.450.

Kerr, John F. Cyclist's heated suit. 3,858,028, 12-31-74, Cl. 219-211.000.

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Kerr, Lamar L.; Pees, James M.; and Riner, Robert J., to General Motors Corporation. Energy absorbing unit. 3,820,771, 6-28-74, Cl. 267-116.000.

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Kerr, Richard H., to Kelsey-Hayes Company. Torque limiter. 3,835,967, 9-17-74, Cl. 188-134.000.

Kerr, Robert M. Implement for manipulation of snap rings. 3,813,750, 6-4-74, Cl. 29-229.000.

Kerr, Robert M. Puller for bearing carrier. 3,846,898, 11-12-74, Cl. 29-259.000.

Kerr, William J., to Chicago Lock Co. Keeper lock for a slide fastener. 3,785,185, 1-15-74, Cl. 70-68.000.

Kerr, William J., to Chicago Lock Co. Axial split-pin tumbler-type lock. 3,813,906, 6-4-74, Cl. 70-363.000.

Kerr-McGee Chemical Corporation: *See*—
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Kerschbaumer, Hans Gerhard; and Endress, James W., to Carrier Corporation. Economizer pressure regulating system. 3,827,250, 8-6-74, Cl. 62-196.000.

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Kershaw, Robert William; and Lubbock, Frederick John, to Balm Paints Limited. Matte aqueous coating compositions containing pigmented synthetic polymer. 3,839,253, 10-1-74, Cl. 260-29.60r.

Kershaw, Sydney L.: *See*—
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Kershaw, Thomas N., to Albany International Corporation. Electric outlet sentinel. 3,809,961, 5-7-74, Cl. 317-18.00b.

Kerst, Al F.: *See*—
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Kerst, Al F.; and Douros, John D., Jr., to Gates Rubber Company, The. Diethyl allyl phosphonate as an antimicrobial agent. 3,783,160, 1-1-74, Cl. 426-219.000.

Kerst, Al F., to Monsanto Company Substituted epoxy ethane polyphosphonic acids and salts. 3,808,237, 4-30-74, Cl. 260-348.00r.

Kerst, Al F., to Gates Rubber Company, The. Process for preparing amino-substituted phosphonates. 3,813,456, 5-28-74, Cl. 260-968.000.

Kerst, Al F., to Monsanto Company. Preparation of ethane disposphinic acids substituted with both amine and hydroxy groups. 3,816,518, 6-11-74, Cl. 260-502.500.

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Kersten, Daniel D. Structures for use in creating artificial dentures. 3,783,514, 1-8-74, Cl. 32-2.000.

Kersten, George Paul Franz. Methods and devices for packing and loading ammunition. 3,789,531, 2-5-74, Cl. 42-87.000.

Kersten, Gunter: *See*—
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Kerstetter, Ammon W., to Equitable Equipment Company, Inc. Hatch cover. 3,785,322, 1-15-74, Cl. 114-201.00r.

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Kerstetter, Donald R.; and Regec, John J., to GTE Sylvania Incorporated. Rapid warmup furnace for processing electron discharge device cathodes. 3,804,158, 4-16-74, Cl. 165-61.000.

Kerstetter, Virginia Ann; and Mizell, Louis Richard, to I.W.S. Nominee Company Limited. Method for making pile fabric. 3,809,589, 5-7-74, Cl. 156-68.000.

Kersting, Emil Friedrich; and Deimann, Frank, to Machinenfabrik Sack GmbH. Bearing assembly for a roller. 3,799,636, 3-26-74, Cl. 308-207.00r.

Kertel, Stanley S., to Eastman Kodak Company. Silver halide emulsion containing ketomethylene photographic color-forming couplers. 3,841,880, 10-15-74, Cl. 96-100.000.

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Kerwin, Daniel, to Meyercord Co., The. Machine and method for applying indicia to articles. 3,813,268, 5-28-74, Cl. 156-238.000.

Kerwin, Richard G.: *See*—
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Kery, Edmund. Air bed. 3,784,994, 1-15-74, Cl. 5-348.000.

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Keshishian, Vahe, to Rockwell International Corporation. Radioisotope fuel material and method. 3,790,440, 2-5-74, Cl. 252-301.10r.

Kesinger, Donald A.; Gates, Charles C., Jr.; and Jenkins, George H., to Gates Rubber Company, The. Ash tray. 3,802,560, 4-9-74, Cl. 209-235.000.

Keskitalo, Tage O.: *See*—
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Kesler, Clyde E., to United States Steel Corporation. Fiber-reinforced cement composite. 3,834,916, 9-10-74, Cl. 106-99.000.

Kesler, Johan Peter: *See*—
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Kesler, Richard B., to O'Meara Company, Inc., The. Apparatus for analysis of fluid suspensions. 3,838,594, 10-1-74, Cl. 73-61.00r.

Kesling, Keith K.; and Bailey, Paul D., to General Motors Corporation. Integral hinge push button for appliance control panel. 3,853,366, 12-10-74, Cl. 312-223.000.

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Kesling, Peter C. Preformed tooth positioning and retaining appliance. 3,837,081, 9-24-74, Cl. 32-14.00b.

Kessel, Bernhardt. Apparatus for producing tubing, especially from material suitable for injection molding. 3,853,299, 12-10-74, Cl 249-168.000.

Kessell, Archie, to Rohe Scientific Corporation. Adjustable syringe plunger. 3,831,601, 8-27-74, Cl. 128-218.0pa.

Kesselring, Fritz, to Siemens Aktiengesellschaft. Synchronous puffer circuit breaker. 3,813,507, 5-28-74, Cl. 200-148.00a.

Kessick, Michael A., to California Institute of Technology. Snake-cage rasins. 3,803,059, 4-9-74, Cl. 260-2.10e.

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Kessler, Gerald. Nailing clip for plastic siding. 3,824,756, 7-23-74, Cl. 52-548.000.

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Kessler, Lawrence P., to Eastman Kodak Company. Automatic searching film reader. 3,833,294, 9-3-74, Cl. 353-27.000.

Kessler, Lawrence W.; and Korpel, Adrianus, to Zenith Radio Corporation. Combined system for acoustical-optical microscopy 3,790,281, 2-5-74, Cl. 356-72.000.

Kessler, Milton. Screw cap with safety cover. 3,782,604, 1-1-74, Cl 222-153.000.

Kessler, Milton. Bacteriological titration tray. 3,785,928, 1-15-73, Cl. 195-140.000.

Kessler, Milton. All-plastic driveway marker and the like. 3,802,378, 4-9-74, Cl. 116-63.00p.

Kessler, Milton. Snap-top bottle cap with safety pry-off. 3,856,170, 12-24-74, Cl. 215-224.000.

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Kessler, William D.: *See—*
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Kester, Charles E.; and Hughes, Thomas E., to Coleman Company, Inc., The. Removable clip with rotary projectile cylinder for a gun. 3,782,359, 1-1-74, Cl. 124-48.000.
Kester, Charles E. Range finder. 3,817,621, 6-18-74, Cl. 356-17.000.
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Kesterson, Albert O.; Lancia, Frederick N.; and Liebert, Ralph C., to Liebert Corporation. Environmental condition control. 3,844,475, 10-29-74, Cl. 236-1.00e.
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Ketelaar, Peter, to U.S. Philips Corporation. Circuit for generating a sawtooth-shaped current through a coil by compensating for deflection coil resistance. 3,823,340, 7-9-74, Cl. 315-27.0gd.
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Ketterer, Stanley J., to Singer Company, The. Electromechanical disc adder mechanisms. 3,812,729, 5-28-74, Cl. 74-56.000.
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Kilian, Rodolfo G. Particle separation system. 3,822,529, 7-9-74, Cl. 55-1.000.

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King, Arthur S. Particle collector. 3,828,526, 8-13-74, Cl. 55-118.000.
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King, Edward I., Jr., to Westinghouse Electric Corporation. Rotor for dynamoelectric machines. 3,793,546, 2-19-74, Cl. 310-183.000.
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King, Jack B., to General Motors Corporation. Purge control valve and system. 3,818,942, 6-25-74, Cl. 137-625.500.
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King, James G., to International Business Machines Corporation. Complementary offset binary converter. 3,824,589, 7-16-74, Cl. 340-347.0dd.
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King, James M. Floral accessory. 3,826,041, 7-30-74, Cl. 47-41.120.
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King, Junior Keith. Hole drilling apparatus with dirt receiving and storing means. 3,835,941, 9-17-74, Cl. 175-88.000.
King, Kenneth Bryan, to Imperial Chemical Industries Limited. Method of forming extruder screw. 3,843,501, 10-22-74, Cl. 204-129.650.
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King, Kenneth Gordon, to Westinghouse Brake and Signal Company Limited. Inverter circuits. 3,824,442, 7-16-74, Cl. 321-5.000.
King, Kenneth Gordon, to Westinghouse Brake and Signal Company Limited. Inverters. 3,839,667, 10-1-74, Cl. 321-9.00r.
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King, Larry K.; Knapp, Lester L.; Schoener, Ronald C.; Kloap, Nicholas; Starner, Bernard M.; and Remper, John A., to Aluminum Company of America. Recovery of solid selectively constituted high purity aluminum chloride from hot gaseous effluent. 3,786,135, -15-74, Cl. 423-446.000.
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King, Laurence F., to Esso Research and Engineering Company. Compositions comprising a blend of a vinyl resin and grafted olefin polymer. 3,830,888, 8-20-74, Cl. 260-876.000.
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King, Randall N.; and Skelly, David W., to General Electric Company. Method of making a thin cadmium oxide electrode with an ionic polymer and subsequent removal of the polymer. 3,783,025, 1-1-74, Cl. 136-76.000.
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King, Thomas M.; and Mitchell, Robert S., to Monsanto Company. Methods of inhibiting corrosion with condensed polyalkylenepolyamine derivatives. 3,816,333, 6-11-74, Cl. 252-389.00a.
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King, William J., to Alpha Industries, Inc. Ion accelerator and ion species selector. 3,786,359, 1-15-74, Cl. 328-233.000.
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Kinkade, William A.; and Roe, Clyde B. Process for making gypsum board. 3,813,312, 5-28-74, Cl. 156-39.000.
Kinkaid, Robert John; and Asick, John Carl, to AMP Incorporated. Electrical receptacle and connector. 3,796,987, 3-12-74, Cl. 339-217.00s.
Kinkaid, Robert John; and Asick, John Carl, to AMP Incorporated. Releasing tool for multiple contact. 3,818,569, 6-25-74, Cl. 29-203.00h.
Kinkead Industries Incorporated: *See*—
Glejf, Robert G., 3,803,662.
Kinkel, Christian Frederick, to American Can Company. Triple score pressure relief system for an aerosol container. 3,850,339, 11-26-74, Cl. 220-89.00a.
Kinkel, John F., to North American Rockwell Corporation. Automatic gain control circuit. 3,808,547, 4-30-74, Cl. 330-85.000.
Kinki Printing Company Limited: *See*—
Ohkubo, Hachiro, 3,823,864.
Kinley, John C.: *See*—
Kinley, Myron M.; and Agee, Charles W., 3,785,193.
Kinley, Myron M.; and Agee, Charles W., to Kinley, John C. Liner expanding apparatus. 3,785,193, 1-15-74, Cl. 72-393.000.
Kinloch, James C., to United States of America, Navy. Adhesively releasable and reusable shock load absorbing system. 3,804,698, 4-16-74, Cl. 161-7.000.
Kinnai, Kazuhiko: *See*—
Kuroiwa, Tadaharu; Isayama, Yukio; Yokota, Akira; Kamio, Tsukasa; Kinnai, Kazuhiko; Abe, Eiichi; Kimura, Kunio; Hioki, Morihisa; and Noguchi, Hisataka, 3,847,806.
Kinnan, Frank R. Adjustable elbow for split conduit. 3,848,903, 11-19-74, Cl. 285-179.000.
Kinne, Frank E.; and Carmack, Phil D., to Permatank Engineering & Mfg. Co., Inc. Method for manufacturing foam sandwich panels. 3,846,525, 11-5-74, Cl. 264-46.500.
Kinne, Howard R. Mechanical skimmer. 3,857,787, 12-31-74, Cl. 210-470.000.
Kinnear, Joseph D. Cable connector. 3,813,638, 5-28-74, Cl. 339-64.00r.
Kinnear Moddie (Concrete) Limited: *See*—
McBean, Rupert John Sidney, 3,850,000.
Kinneging, Johannes Wilhelmus: *See*—
Berg, Leo; Lenemann, Gerhard Johann; and Kinneging, Johannes Wilhelmus, 3,831,644.
Berg, Leo; Lenemann, Gerhard Johann; and Kinneging, Johannes Wilhelmus, 3,834,622.
Kinneman, William P., Jr.: *See*—
Gilbert, Jack J.; and Kinneman, William P., Jr., 3,795,721.
Kinney, Alfred W., to Phillips Petroleum Company. Method and apparatus for orienting elements. 3,791,512, 2-12-74, Cl. 198-33.0aa.
Kinney, Alfred W., to Phillips Petroleum Company. Closure applying apparatus. 3,792,566, 2-19-74, Cl. 53-298.000.
Kinney, Alfred W., to Phillips Petroleum Company. Separating and dispensing means for nested containers. 3,840,150, 10-8-74, Cl. 221-222.000.
Kinney, Alfred W., to Phillips Petroleum Company. Worm-type dispenser for rimmed containers. 3,849,970, 11-26-74, Cl. 53-282.000.
Kinney, Gary W. Device for spoking and alignment of wire wheels. 3,841,379, 10-15-74, Cl. 157-1.500.
Kinney, James F.: *See*—
Gadzala, Antoni E.; and Kinney, James F., 3,840,490.
Kinney, James F.; and Gadzala, Anthoni Edward, to Avon Products, Inc. Treatment for improving curl retention, luster, manageability, strength and other mechanical properties. 3,820,550, 6-28-74, Cl. 132-7.000.
Kinney, John M., to American Welding & Manufacturing Company. Method and apparatus for calibrating the position of a tool and for gauging dimension of a workpiece. 3,795,054, 3-5-74, Cl. 33-174.0pl.
Kinney, Layton C.; and Tompkins, Edwin H., to American Screen Process Equipment Company, mesne. Method and apparatus for printing. 3,855,928, 12-24-74, Cl. 101-471.000.
Kinney, Robert E.: *See*—
Anderson, James J.; Camacho, Vasco G.; and Kinney, Robert E., 3,789,091.
Anderson, James J.; Canacho, Vasco G.; and Kinney, Robert E., 3,849,368.
Kinnroth, Samuel F.; and Friedman, Irving I. Shutter-blind device. 3,842,891, 10-22-74, Cl. 160-35.000.
Kinnune, William P., Jr., to Western Kraft Corporation. Suspendible load spacer. 3,842,757, 10-22-74, Cl. 105-486.000.
Kinnune, William P., Jr., to Western Kraft Corporation. Locking means for suspension member in suspendible load spacer. 3,854,426, 12-17-74, Cl. 105-369.00b.
Kino, Gordon S., to Leland Stanford Junior University, The Board of Trustees of. Parametric acoustic surface wave apparatus. 3,816,753, 6-11-74, Cl. 307-88.300.
Kinoshita, Hideo: *See*—
Iwami, Isamu; Kawasaki, Hironobu; and Kinoshita, Hideo, 3,789,035.
Kinoshita, Joseph, to Underwood Rivers Company. Carrier for portable heater. 3,793,643, 2-26-74, Cl. 2-66.000.
Kinoshita, Kazuhisa: *See*—
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Mimino, Tohru; Kinoshita, Kazuhisa; and Hattori, Keisuke, 3,847,600.
Kinoshita, Kazuhisa; and Yamaguchi, Tetsuo. Process of manufacturing heat resisting steel sheet for deep drawing. 3,826,692, 7-30-74, Cl. 148-12.000.
Kinoshita, Keijiro, to Nissan Motor Company, Limited. Hydraulic torque converter and power system incorporating same. 3,848,410, 11-19-74, Cl. 60-347.000.
Kinoshita, Koichi; and Fukuda, Tadaji, to Katsuragawa Denki Kabushiki Kaisha. Photosensitive elements for use in electrophotography. 3,795,515, 3-5-74, Cl. 96-1.500.
Kinoshita, Koichi; and Watanabe, Masanori, to Katsuragawa Denki Kabushiki Kaisha. Apparatus for electrophotography. 3,797,928, 3-19-74, Cl. 355-3.000.
Kinoshita, Koichi; and Watanabe, Masanori, to Katsuragawa Denki Kabushiki Kaisha. Method of colour electrophotography. 3,807,998, 4-30-74, Cl. 96-1.200.
Kinoshita, Koichi; Uehara, Shiro; and Nagame, Hiroshi, to Katsuragawa Denki Kabushiki Kaisha. Method of electrophotography with a photoconductive layer manifesting persistent internal polarization. 3,832,169, 8-27-74, Cl. 96-1.00r.
Kinoshita, Koichi; and Fukuda, Tadaji, to Katsuragawa Denki Kabushiki Kaisha. Electrophotographic element containing Se-Te alloy layers. 3,849,129, 11-19-74, Cl. 96-1.500.
Kinoshita, Kunio; and Itoh, Mitsuto, to Olympus Optical Co., Ltd. Endoscope. 3,804,081, 4-16-74, Cl. 128-6.000.
Kinoshita, Kunio; and Itoh, Mitsuto, to Olympus Optical Co., Ltd. Endoscope assembly having its optical system provided with a direction shifter. 3,818,902, 6-25-74, Cl. 128-6.000.
Kinoshita, Shigeo: *See*—
Goto, Isamu; Matoba, Isao; Kinoshita, Shigeo; Sadayori, Toshio; Shimizu, Yo; Goto, Tomomichi; and Takeuchi, Fumihiko, 3,802,936.
Kinoshita, Shinji; and Kobayashi, Tadashi, to Hokkaido University. Method and apparatus for preparing vectorcardiograms with colors in accordance with depth. 3,816,849, 6-11-74, Cl. 358-81.000.
Kinoshita, Shouzo, to Pioneer Electronic Corporation. Loudspeaker with improved voice coil support. 3,819,876, 6-25-74, Cl. 179-115.5vc.
Kinoshita, Shushi: *See*—
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Kinoshita, Yoshikuni, to Ryohsei Plastic Industry Co., Ltd. Automatic cap sealing device. 3,852,940, 12-10-74, Cl. 53-292.000.
Kinoshita, Yoshio, to Glory Kogyo Kabushiki Kaisha. Device for automatic closure of coin slot of rental locker. 3,792,764, 2-19-74, Cl. 194-1.00r.
Kinoshita, Yoshio; and Akamatsu, Mitsuhiro, to Glory Kogyo Kabushiki Kaisha. Rental locker system. 3,836,945, 9-17-74, Cl. 339-119.00r.
Kinoshita, Yoshio, to Glory Kogyo Kabushiki Kaisha. Rental Locker system. 3,841,458, 10-15-74, Cl. 194-32.000.
Kinoshita, Yoshitaka, to Sumitomo Shipbuilding & Machinery Co., Ltd. Installation for assemblying ship hull subassemblies. 3,854,435, 12-17-74, Cl. 114-65.00r.
Kins Developments, Limited: *See*—
Faville, Warwick Scott, 3,796,369.
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Kinsella, Howard R., to Emerson Electric Co. Electromagnet with detachable casting and nonrotatable armature. 3,813,625, 5-28-74, Cl. 335-263.000.
Kinsella, Howard R.; and Smith, Carl A., to Emerson Electric Co. Manifold valve for domestic gas ovens. 3,841,552, 10-15-74, Cl. 236-99.000.
Kinsella, Richard I.: *See*—
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Kinsella, Richard Irving: *See*—
Andler, Richard C.; and Kinsella, Richard Irving, 3,802,051.
Kinsey, James L., to Alpeda Industries, Inc. Device for handling articles such as bottle or jar type containers. 3,802,549, 4-9-74, Cl. 198-165.000.
Kinsey, Lewis R. Method of recharging a storage battery with exchangeable elements. 3,830,662, 8-20-74, Cl. 136-165.000.
Kinsey, Lewis R. Exchangeable elements for a storage battery. 3,832,237, 8-27-74, Cl. 136-134.000.
Kinsey, Lewis R. Handlebar-mounted clutch actuating and gear shifting device for motorcycles. 3,856,123, 12-24-74, Cl. 192-3.620.
Kinsey, Richard R., to General Electric Company. Monopulse radar antenna array feed network. 3,803,624, 4-9-74, Cl. 343-854.000.
Kinsley, George R., to Scott Paper Company. Safety air nozzle. 3,790,084, 2-5-74, Cl. 239-291.000.
Kinsley, Homan B., Jr.: *See*—

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Kinslow, William G., Jr. Infant seat rocker. 3,851,343, 12-3-74, Cl. 5-109.000.
Kinsman, Gordon F., to Polaroid Corporation. Photographic film assemblage. 3,832,731, 8-27-74, Cl. 354-304.000.
Kinsolving, C. Richard: *See*—
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Carr, Albert A.; Kinsolving, C. Richard; and Meyer, Donald R., 3,829,433.
Kintner, Edwin K.; and Titley, C. Edward. Check Valve. 3,831,628, 8-27-74, Cl. 137-512.150.
Kinugasa, Hiroaki; Tsukamoto, Masatoshi; Mizuta, Hiroyuki; and Uno, Hitoshi, to Dainippon Pharmaceutical Co., Ltd. Chalcone derivatives and preparation thereof. 3,828,030, 8-6-74, Cl. 260-240.00j.
Kinyo-Sha Co., Ltd.: *See*—
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Kinzel, Walter: *See*—
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Kinzenbaw, Jon E., to Dietrich Manufacturing, Inc. Plow system with plurality of plow units and means for adjusting spacing between units in a continuous manner. 3,817,333, 6-18-74, Cl. 172-283.000.
Kinzer, Jackson E.; and Fallandy, Martin A., to Rockwell International Corporation. Fuel pin securing apparatus. 3,857,755, 12-31-74, Cl. 176-78.000.
Kinzie, James E.: *See*—
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Kiovsky, Joseph R., to Norton Company. Catalyst for decomposition of hydrocarbons and process. 3,845,200, 10-29-74, Cl. 423-653.000.
Kiovsky, Joseph R.; and Meacham, Jeffrey W., to Norton Company. Formed alumina bodies for catalytic uses. 3,850,849, 11-26-74, Cl. 252-463.000.
Kiovsky, Thomas E., to Shell Oil Company. Hydrocracking petroleum and related materials by homogeneous catalysis. 3,824,179, 7-16-74, Cl. 208-108.000.
Kipfer, Fritz. Bedstead with slats of different stiffness. 3,813,713, 6-4-74, Cl. 5-238.000.
Kipnis, Daniel D.: *See*—
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Kira, Alexander; and Scheuring, George R., to American Standard Inc. Toilet seat. 3,786,522, 1-22-74, Cl. 4-237.000.
Kirakawa, Hoichi: *See*—
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Kirata, Sadao: *See*—
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Kirby, Charles A.; and Munger, Warren B., to Northwest Design Products, Inc. Playground climbing structures. 3,814,416, 6-4-74, Cl. 272-56.50r.
Kirby, David B.; and Kroening, Roger D., to Dow Chemical Company, The. Method of treating clay to improve optical properties of paper. 3,844,828, 10-29-74, Cl. 117-152.000.
Kirby, Edward, to TRW, Inc. Electrical connector assembly. 3,824,552, 7-16-74, Cl. 339-128.000.
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Kirby, James Ray, to Monsanto Company. Color stabilization of fibers from acrylonitrile polymers. 3,784,511, 1-8-74, Cl. 260-45.95p.
Kirby, John, to Kirby, Lester, Electronics Limited. Relating to counting machines. 3,789,194, 1-29-74, Cl. 235-92.0pk.
Kirby, John A., to Lilly, Eli, and Company. Bromination process. 3,824,292, 7-16-74, Cl. 260-602.000.
Kirby, John Ashley, to Colonnese, Louis J. and Batcheller, George C., Co., Inc. Brassiere worn breast prosthesis. 3,845,507, 11-5-74, Cl. 3-36.000.
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Kirby, Robert Andrew, to Esso Production Research Company. Seismic energy source. 3,799,285, 3-26-74, Cl. 181-5.0nc.
Kirby, Russell B., Jr.; and Wing, Stephen C., to Minnesota Mining and Manufacturing Company. Precision molded refractory articles. 3,823,002, 7-9-74, Cl. 29-182.100.
Kirby, Russell F. Toy automobile speed trap device. 3,789,543, 2-5-74, Cl. 46-1.00r.
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Kircher, Charles E., Jr.: *See*—
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Kircher, Charles R.; and Kole, Richard L., to Kolmar Laboratories, Inc. Method for preparing pressed powder makeup sticks and product produced. 3,800,034, 3-26-74, Cl. 424-63.000.
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Kirchheim, Jean-Jacques, to Saint-Gobain. Apparatus for the production of sheets or mats from fibers of thermoplastic material. 3,787,195, 1-22-74, Cl. 65-9.000.
Kirchhof, Hans Werner: *See*—
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Kirchmayr, Rudolf; Heller, Hansjorg; and Rody, Jean, to Ciba-Geigy AG. V-triazolyl coumarins. 3,784,569, 1-8-74, Cl. 260-308.00a.
Kirchmayr, Rudolf, to Ciba-Geigy Corporation. Process for the production of halogen-containing V-triazole compounds. 3,816,413, 6-11-74, Cl. 260-240.00c.
Kirchmayr, Rudolf, to Ciba-Geigy Corporation. v-Triazolylcoumarins. 3,819,645, 6-25-74, Cl. 260-308.00b.
Kirchmayr, Rudolf; Peterli, Hans Jakob; and Heller, Hansjorg, to Ciba-Geigy Corporation. UV absorbent, light stable compounds. 3,824,273, 7-16-74, Cl. 260-473.00r.
Kirchmayr, Rudolf; Heller, Hansjorg; and Rody, Jean, to Ciba-Geigy AG. Preparation of coumarin-V-triazole oxides and process for producing coumarin-V-triazoles therefrom. 3,839,352, 10-1-74, Cl. 260-308.00a.
Kirchner, Frederick K.; and Zalay, Andrew W., to Sterling Drug, Inc. 3-Amino-2,3-dihydro-4(1H) quinazolinones. 3,843,654, 10-22-74, Cl. 260-256.40f.
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Kiritani, Masataka; Matsukawa, Hiroharu; and Aoki, Masayuki, to Fuji Photo Film Co., Ltd. Pressure sensitive recording paper. 3,836,383, 9-17-74, Cl. 117-36.200.
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Kirk, Colin John, to Martonair Limited. Fluid logic circuit. 3,785,403, 1-15-74, Cl. 137-608.000.
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Kirk, Donald, Jr.; and Paolini, Michael J., to Computer Television Inc. Electronic bilateral communication system for commecial and supplementary video and digital signaling. 3,833,757, 9-3-74, Cl. 178-5.600.
Kirk, Frederick Arthur, to Davy-Ashmore Limited. Method of extruding a porous compacted mass of metal powder having a sealed outer surface. 3,798,740, 3-26-74, Cl. 29-420.500.
Kirk, Geoffrey Eric: *See—*
Crossley, Ian Alexander; Kirk, Geoffrey Eric; Anthony, Norman Howell; and Bamber, Derek Robert, 3,843,279.
Kirk, Glenn E.: *See—*
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Kirk, Gregory H.: *See—*
Kitchen, Elwyn L., Jr.; and Kirk, Gregory H., 3,785,601.
Kirk, Harold L., to American Air Filter Company, Inc. Control arrangement for air ventilating and air heating systems having automatic reset and manual reset safety devices. 3,794,460, 2-26-74, Cl. 431-37.000.
Kirk, Harvey D.: *See—*
Goodman, Roy S. Jr.; Kirk, Dee Maryon; and Kirk, Harvey D., 3,834,565.
Kirk, Hugh A.,: *See—*
Hilyard, Gail D., 3,837,670.
Kirk, Irvin: *See—*
Cometto, Dante James; Morse, Jeremy Painter; Crickmer, Robert Edward; and Kirk, Irvin, 3,814,635.
Kirk, Joseph Pennell, to International Business Machines Corporation. Optical cavity for a laser. 3,855,547, 12-17-74, Cl. 331-94.50c.
Kirk, Merritt C., Jr., to Sun Oil Company. Production of high quality blended jet fuels. 3,788,971, 1-29-74, Cl. 208-57.000.
Kirk, Merritt C., Jr., to Sun Oil Company of Pennsylvania. Multistage process for producing high UR oil by hydrogenation. 3,788,976, 1-29-74, Cl. 208-89.000.
Kirk, Nellie: *See—*
Love, Charles E., 3,830,315.
Kirk, Robert T., to Eaton Corporation. Remote device control communication system. 3,815,091, 6-4-74, Cl. 340-147.00r.
Kirk, Russell F.; Moreno, Frederick E.; and Foster, Jack D., to GTE Sylvania Incorporated. Mirror mount for high power lasers. 3,836,236, 9-17-74, Cl. 350-310.000.
Kirk, Thomas E., to General Motors Corporation. Motor vehicle power supply system. 3,835,363, 9-10-74, Cl. 320-64.000.
Kirk, William P.; and Reynolds, Dwight W. Method and apparatus for collecting a floating liquid. 3,788,079, 1-29-74, Cl. 61-1.00f.
Kirker, Alton Everett, Jr., to Sealol, Inc. Rotary mechanical fluid seal. 3,841,642, 10-15-74, Cl. 277-40.000.
Kirkes, William O. Process and apparatus for constructing foundations and setting prefabricated buildings thereon. 3,789,559, 2-5-74, Cl. 52-169.000.
Kirkham, Bruce E.: *See—*
De Vincent, Patsy; and Kirkham, Bruce E., 3,853,148.
Kirkham, Edward E., to Kearney & Trecker Corporation. Reversing drive for a tool changer. 3,786,938, 1-22-74, Cl. 214-1.0bd.
Kirkham, Kathleen E., to Franklin Mint Corporation. Method of producing a metal object with high relief and having a proof finish from powdered metal. 3,848,312, 11-19-74, Cl. 29-160.600.
Kirkham, Malcolm Cedric: *See—*
Corish, Patrick Joseph; Kirkham, Malcolm Cedric; and Powell, Brian David William, 3,793,252.
Kirkham, William Brian, to Domtar Limited. Paper coated with clay and asbestos. 3,856,564, 12-24-74, Cl. 117-155.0ua.
Kirkhill Inc.: *See—*
Holm, James P.; VanGerpen, Rolland P.; and Paradis, Maurice E., 3,797,518.
Kirkhof Manufacturing Corporation: *See—*
Medendorp, Roger L., 3,837,526.
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Kirkhuff, William Joseph. Interlocking shingle arrangement. 3,852,934, 12-10-74, Cl. 52-539.000.
Kirkland, A., & Company Limited: *See—*
Carrotte, Frederick Henry; and Ellis, John Ernest, 3,789,629.
Carrotte, Frederick Henry; Moxloe, Kirby; and Ellis, John Ernest, 3,802,225.
Kirkland, John Henry; and Harvey, Samuel Eric, to Dunlop Limited. Oscillatory output devices. 3,829,925, 8-20-74, Cl. 15-250.170.
Kirkland, Joseph J., to Du Pont de Nemours, E. I., and Company. Completely porous microspheres for chromatographic uses. 3,782,075, 1-1-74, Cl. 55-67.000.
Kirkland, Joseph J.; and Yates, Paul C., to Du Pont de Nemours, E. I., and Company. Chromatographic packing with chemically bonded organic stationary phases. 3,795,313, 3-5-74, Cl. 210-198.00c.

Kirkland, Kenneth C., Jr.; and Hunt, Raymon E., to Garlock, Inc., mesne. Method and apparatus for controlling vehicle noise. 3,856,991, 12e24-74, Cl. 179-1.00p.
Kirkland, Walter Dean: *See—*
Davis, Loren Roger; and Kirkland, Walter Dean, 3,788,524.
Kirkman, Douglas Frederick, to I. V. Pressure Controllers Limited. Fluid flow control devices. 3,783,898, 1-8-74, Cl. 137-596.200.
Kirkman, Earl L.: *See—*
Olson, Donald M., 3,841,318.
Kirkman, Earl L.; and Bowers, Gerald M., to Unicorp, Incorporated. Continuous deposition reactor. 3,785,853, 1-15-74, Cl. 117-106.000.
Kirko, Igor Mikhailovich: *See—*
Ioffe, Benyamin Alexandrovich; Mikelson, Artur Eduardovich; and Kirko, Igor Mikhailovich, 3,854,110.
Kirkpatrick, Frederick J., to Nuclearay Inc. Container fill level inspector with product averaging system. 3,818,232, 6-18-74, Cl. 250-357.000.
Kirkpatrick, George F.: *See—*
Bassett, Howard D.; Schrage, Franklin E.; and Kirkpatrick, George F., 3,798,116.
Kirkpatrick, George Fred, to Union Carbide Corporation. Degradable polyolefin film. 3,795,654, 3-5-74, Cl. 260-45.9nc.
Kirkpatrick, George M., to Syracuse University Research Corporation. PPI display system with deflection modulation to reduce spoking. 3,810,173, 5-7-74, Cl. 343-5.00r.
Kirkpatrick, Harold B., to Reichhold Chemicals, Inc. Molding process for foamed articles using an expandable mold with inner and outer restraints. 3,856,902, 12-24-74, Cl. 264-45.200.
Kirkpatrick, Joel L.: *See—*
Doyle, William C., Jr.; and Kirkpatrick, Joel L., 3,823,005.
Kirkpatrick, Johnny T.: *See—*
Macintyre, John S.; and Kirkpatrick, Johnny T., 3,792,615.
Kirkpatrick, Max B.; deceased (by Kirkpatrick, Mildred E.; executrix); Harvey, Andrew G.; and Erichsen, Roger H., to Alaska General Credit. Article making machine and method. 3,797,228, 3-19-74, Cl. 59-37.000.
Kirkpatrick, Mildred E.: *See—*
Kirkpatrick, Max B.; Harvey, Andrew G.; and Erichsen, Roger H., 3,797,228.
Kirkpatrick, Milton E.; and Mendelson, Ralph A., to TRW Inc. Method for producing and evaluating alloys. 3,782,926, 1-1-74, Cl. 75-129.000.
Kirkpatrick, Milton E.; and Mendelson, Ralph A., to TRW Inc. Method of forming powder compacts. 3,835,210, 9-10-74, Cl. 264-61.000.
Kirkpatrick, Richard A., to KLH Research and Development Corporation. Solid state remote power switch. 3,784,840, 1-8-74, Cl. 307-11.000.
Kirksaeter, Bjorn; and Rasmussen, Oystein. Method for temporary protection of ships after launching. 3,806,352, 4-23-74, Cl. 117-6.000.
Kirkunov, Alexandr Eliseevich: *See—*
Zhislin, Yakov Moiseevich; Kirkunov, Alexandr Eliseevich; Sokolov, Alexandr Yakovlevich; Ivanoz, Alexei Ivanovich; Leikin, Albert Yakovlevich; Grinberg, Efim Naumovich; Vinogradov, Vyacheslav Dmitrievich; Yanovskaya, Zinaida Solomonovna; and Bykov, Valery ndreevich, 3,845,704.
Kirkwood, Creal E. Sphere launching valve. 3,817,268, 6-18-74, Cl. 137-268.000.
Kirley, Joseph F. Positive identification credit or ID card and apparatus. 3,833,929, 9-3-74, Cl. 340-149.00a.
Kirn, Manfred: *See—*
Gotsch, Dieter; Hahner, Reinhard; Lederer, Hans; Kirn, Manfred; and Kuhlmann, Gerhard, 3,799,275.
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Kirner, Ernest O., to Bendix Corporation, The. Recirculating delay line decoder-encoder. 3,815,031, 6-4-74, Cl. 328-56.000.
Kirner, Ernest Otto, to Bendix Corporation, The. Radar plant position indicator. 3,803,597, 4-9-74, Cl. 343-5.00r.
Kirner, Uwe, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Aqueous chlorite bleach containing a hydroxylammonium activator. 3,836,475, 9-17-74, Cl. 252-187.00r.
Kirsch, Albert. Wall surfacing die with support and moving means. 3,820,936, 6-28-74, Cl. 425-469.000.
Kirsch, Aloys; Fuchs, Otto; and Spietschka, Ernst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Quinacridone pigment mixtures and process for preparing them. 3,836,379, 9-17-74, Cl. 106-288.00q.
Kirsch, Andrew F., to Westinghouse Electric Corporation. Elevator system. 3,792,759, 2-19-74, Cl. 187-29.00r.
Kirsch, Bernhard. Manufacture of frames. 3,820,298, 6-28-74, Cl. 52-475.000.
Kirsch Company: *See—*
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Kellogg, Harlan F., 3,831,533.
Kirsch, Francis William: *See—*
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Kirsch, Francis William; Barmby, David S.; and Potts, John D., to Sun Oil Company of Pennsylvania, mesne. Process for producing gasoline blending components. 3,803,256, 4-9-74, Cl. 260-673.500.
Kirsch, Francis William; Barmby, David S.; and Potts, John D., to Sun Oil Company of Pennsylvania. Crystalline alumino-silicate zeolites containing polyvalent metal cations. 3,839,228, 10-1-74, Cl. 252-455.00z.
Kirsch, Hans-Rudolf, to Ciba-Geigy AG. Color photographic proofing process. 3,796,575, 3-12-74, Cl. 96-14.000.
Kirsch, Ivan H.: *See—*
Gordon, Bernard M.; Neumann, Leopold; and Kirsch, Ivan H., 3,833,903.
Kirsch, Jerry. Method for vacuum pick-up of porous materials. 3,788,505, 1-29-74, Cl. 214-152.000.
Kirsch, Jerry. Method of making block manifold for fluids control systems. 3,825,647, 7-23-74, Cl. 264-277.000.
Kirsch, Jordan. Timer having a color-display system. 3,782,104, 1-1-74, Cl. 58-50.00r.
Kirsch, Klaus; and Grotewold, Werner, to Volkswagenwerk Aktiengesellschaft. Testing a fuel injection valve. 3,828,247, 8-6-74, Cl. 324-28.00r.
Kirsch of Canada, Limited: *See—*
Munnoch, William C.; and Gray, James, 3,807,677.
Kirsch, Warren B., to Ethyl Corporation. Beryllium hydride containing stabilizing agents. 3,812,237, 5-21-74, Cl. 423-266.000.
Kirschmann, John D. Valve mechanism for liquid applicator. 3,782,640, 1-1-74, Cl. 239-571.000.
Kirschmann, John D. Flow control device for liquid applicators and process of operating same. 3,784,100, 1-8-74, Cl. 239-11.000.
Kirschmann, John D. Adjustable eccentric crankshaft. 3,798,996, 3-26-74, Cl. 74-571.00m.
Kirschnek, Helmut; Kortmann, Wilfried; and Breyer, Karl-Heinz, to Bayer Aktiengesellschaft. Process for the finishing of textile materials. 3,799,801, 3-26-74, Cl. 117-139.5cq.
Kirschner, Francis, to Soundcoat Co., Inc., The. Rotational vibration dampening assembly. 3,843,188, 10-22-74, Cl. 295-7.000.
Kirschner, Gerald D.: *See—*
Johnson, Ernest D.; Kirschner, Gerald D.; Kondrajian, Edward; and Woodling, Gerald L., 3,811,385.
Kirschner, Gerald D.; and Woessner, William H., to Goodyear Tire & Rubber Company, The. Switching apparatus for transportation system. 3,835,785, 9-17-74, Cl. 104-130.000.
Kirschner, John G.: *See—*
Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., 3,838,958.
Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., 3,838,959.
Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., 3,840,315.
Kirschner, Lawrence, to Warner-Lambert Company. Dissolution testing device. 3,791,221, 2-12-74, Cl. 73-432.00r.
Kirschner, Leon: *See—*
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Kirschner, Peter; and Rauer, Heinz Gunter, to Volkswagenwerk Aktiengesellschaft. Apparatus for static level regulation of a vehicle. 3,829,119, 8-13-74, Cl. 280-124.00f.
Kirschner, Robert F., to Patterson-Kelly Company, The. Water chiller and storage system. 3,786,649, 1-22-74, Cl. 62-201.000.
Kirschner, Robert K., to Sundstrand Data Control, Inc. Head-up display. 3,816,005, 6-11-74, Cl. 356-251.000.
Kirschstein, Werner P.; and Wagner, John R., to Loew's Theatres, Inc. Method and apparatus for measuring the bulk density of a material under pressure. 3,788,125, 1-29-74, Cl. 73-32.000.
Kirshfeld, Karl Teodorovich: *See—*
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Kirstein, Dieter: *See—*
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Kirth, Grainger Dan. Method of making lampshade. 3,810,295, 5-14-74, Cl. 29-445.000.
Kirton, Joseph Mason; and Southwick, J. Wanless, to Research Enterprises, Inc. Apparatus for teaching. 3,835,553, 9-17-74, Cl. 35-9.00c.
Kirton, Kenneth T.; and Southern, Edward M., to Upjohn Company, The. Abortion by myometrial administration of prostaglandins. 3,852,465, 12-3-74, Cl. 424-305.000.
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Kirwan, Donald J.; and Gainer, John L., to University of Virginia, The. Process for effecting enzymatic reactions in aerosols. 3,849,254, 11-19-74, Cl. 195-116.000.

Kirwan, George B.: *See—*
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Kirwin, Roscoe Conklin; Hart, William Lewis; and Antonetti, Joseph Michael, to Calgon Corporation. Cationic conditioning agents for potash flotation. 3,782,546, 1-1-74, Cl. 209-166.000.

Kirzner, Samuel, to Byron, W. H., Inc. Fixture for sharpening thread chasers. 3,827,195, 8-6-74, Cl. 51-220.000.

Kis, Ivan: *See—*
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Kisaka, Masami, to Sanyo Kiki Kabushiki Kaisha. Device for attaching a front loader to a tractor. 3,805,980, 4-23-74, Cl. 214-131.00a.

Kisaki, Hisashi: *See—*
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Kisaki, Hisashi; Mabuchi, Shunsuke; and Tsutsumi, Yukihiro, to Toyo Soda Manufacturing Co., Ltd. Method for producing 2-butene-1,4-diol. 3,843,733, 10-22-74, Cl. 260-636.000.

Kisan, Werner: *See—*
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Kisbocskoi, Laszlo; Kubo, Sandor; and Reczey, Gusztav, to Tatabanyai Szenbanyak. Method and apparatus for continuous filtration of liquids with simultaneous regeneration of filter medium. 3,798,159, 3-19-74, Cl. 210-33.000.

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Kise, Mearl A.; and Ellis, Leonard C., to Virginia Chemicals Inc. Sodium dithionite solution stabilization. 3,804,944, 4-16-74, Cl. 423-265.000.

Kiselev, Sergei Nikolaevich: *See—*
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Kiselev, Yury Vladimirovich: *See—*
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Kiseleva, Nonna Viktorovna: *See—*
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Kiselewski, Donald L., to Binkley Company, The. Adjustable metal door frame construction. 3,788,019, 1-29-74, Cl. 52-212.000.

Kiser, Fred W., to Timesavers, Inc. Method of machining ferromagnetic workpieces to true flatness. 3,801,293, 4-2-74, Cl. 51-326.000.

Kiser, Fred W.; and Stinn, Allan J., to Timesavers, Inc. Wide belt sanding machine with improved work feeding means. 3,832,807, 9-3-74, Cl. 51-138.000.

Kiser, Fred W., to Timesavers, Inc. Abrasive belt-type lumber planing machine. 3,832,808, 9-3-74, Cl. 51-138.000.

Kiser, James W.: *See—*
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Kisfaludy, Lajos: *See—*
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Kish, Arthur S., to Murray Corporation. Means for preventing flow of lubricant-saturated refrigenant in automotive air-conditioning systems. 3,827,255, 8-6-74, Cl. 62-296.000.

Kish, Charles A. Flexible valve. 3,819,151, 6-25-74, Cl. 251-342.000.

Kish, Donald Eugene; and Smith, James Lanson, to Bell Telephone Laboratories, Incorporated. Code translator employing sequential memories. 3,812,480, 5-21-74, Cl. 340-174.0tf.

Kish, George D., to Dresser Industries, Inc. Electrically conductive pipe coupling gasket. 3,838,205, 9-24-74, Cl. 174-84.00s.

Kish, George R.; and Swanson, Kenneth B., to Midland-Ross Corporation. Pressure responsive mechanism. 3,807,809, 4-30-74, Cl. 303-6.00c.

Kishel, Joseph F.: *See—*
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Kishel, Joseph F., to Weston Instruments, Inc. Radiation gauge for measuring fluid densities. 3,787,683, 1-22-74, Cl. 250-43.50d.

Kishel, Joseph F., to Weston Instruments, Inc., mesne. Apparatus for detecting the entry of formation gas into a well bore. 3,802,260, 4-9-74, Cl. 73-153.000.

Kishel, Joseph F., to Weston Instruments, Inc. Apparatus for detecting the entry of formation gas into a well bore. 3,814,183, 6-4-74, Cl. 166-226.000.

Kishi, Heiji; Takigami, Katshuiko; and Shirasaka, Yoshihiro, to Tokyo Shibaura Electric Co., Ltd. Static type electric circuit breaker. 3,794,885, 2-26-74, Cl. 317-33.0sc.

Kishi, Ikuji: *See—*
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Kishi, Masanori: *See—*
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Kishi, Saburo: *See—*
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Kishi, Shigeichi; and Kato, Masao, to Concast AG. Ladle swing tower for a continuous casting installation. 3,820,769, 6-28-74, Cl. 266-38.000.

Kishi, Takao: *See—*
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Kishi, Toashi: *See—*
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Kishi, Toyokazu; Harada, Setsuo; Muroi, Masayuki; and Izawa, Motoo, to Takeda Chemical Industries, Ltd. Esters of antibiotics B-5050 and tetrahydro-B-5050. 3,853,842, 12-10-74, Cl. 260-210.0ab.

Kishi, Tuneo: *See—*
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Kishi, Yasunori; Kobayashi, Junio; Yamaguchi, Masami; and Okamoto, Tsuneo, to Stanley Denki Kabishiki Kaisha. Switching oscillator controlled by a moving metal piece. 3,805,185, 4-16-74, Cl. 331-65.000.

Kishi, Yoshihiro, to Asahi Toy Company. Vehicle for a child. 3,842,928, 10-22-74, Cl. 180-26.00r.

Kishida, Motoki: *See—*
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Kishida, Motoki, to Kabushiki Kaisha Suwa Seikosha. Gold plated cases for time-keeping instruments. 3,789,605, 2-5-74, Cl. 58-88.00r.

Kishida, Takashi; and Terano, Masateru, to Teijin Limited. Draw-texturing apparatus. 3,835,632, 9-17-74, Cl. 57-34.0hs.

Kishida, Takashi; and Kadokura, Sadao, to Teijin Limited. Apparatus for drawing, separating and winding filament. 3,855,676, 12-24-74, Cl. 28-71.300.

Kishida, Yukichi; Yoshimoto, Masafumi; and Ishida, Noboru, to Sankyo Company Limited. 2-Ethynylcyclopropane compounds and process for the preparation thereof. 3,853,952, 12-10-74, Cl. 260-469.000.

Kishikawa, Hiroshi; Yasuno, Kiyoshi; Kitamura, Shuji; Ueno, Katsuji; Inoue, Haruo; and Toyota, Nobuhiro, to Sumitomo Chemical Company, Ltd. Thermoplastic resin composition comprising polycarbonates and polyarylene esters. 3,792,115, 2-12-74, Cl. 260-860.00.

Kishikawa, Hiroshi; Yasuno, Kiyoshi; Kitamura, Shuji; Ueno, Katsuji; Inoue, Haruo; and Toyota, Nobuhiro, to Sumitomo Chemical Company, Ltd. Resin composition comprising styrene resin and a polyarylene ester. 3,792,118, 2-12-74, Cl. 260-873.000.

Kishikawa, Hiroshi; Yasuno, Kiyoshi; and Kitamura, Shuji, to Sumitomo Chemical Company, Limited. Multi-layer product having a protective layer containing a blend of polymers. 3,804,705, 4-16-74, Cl. 161-253.000.

Kishikawa, Hiroshi; Katsuki, Hiroshi; and Terazawa, Takayuki, to Sumitomo Chemical Company, Limited. Reinforced polypropylene composition. 3,853,808, 12-10-74, Cl. 260-42.180.

Kishikawa, Kanichi: *See—*
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Kishikawa, Naoto; Kosugi, Minoru; and Iwamaru, Youichi, to Nippon Steel Corporation. Blast furnace top structure. 3,804,392, 4-16-74, Cl. 266-31.000.

Kishikawa, Toshio: *See—*
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Kishimoto, Akira: *See—*
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Kishimoto, Akira; Kirata, Sadao; and Ueno, Hiroshi, to Toyo Seikan Kaisha Limited. Polyethylene block-graft copolymers and method for preparing the same. 3,789,085, 1-29-74, Cl. 260-897.00b.

Kishimoto, Fikutaro: *See—*
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Kitai, Kiyoshi. Shutter release mechanism with change-over device for flash photography. 3,821,756, 6-28-74, Cl. 354-33.000.

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Kitano, Masao; and Kondo, Yasuo, to Nippondenso Co., Ltd., Toyota Jidosha Kogyo Kabushiki Kaisha and Kabushiki Kaisha Toyota Chuo Kenkyusho. Heat exchanging apparatus. 3,828,844, 8-13-74, Cl. 165-8.000.

Kitano, Mitsuru: *See*—
Asano, Tetsumasa; Soga, Takaaki; and Kitano, Mitsuru, 3,848,169.

Kitano, Noritoshi: *See*—
Arai, Mamoru; Haneishi, Tatsuo; Kayamori, Hisashi; Takiguchi, Yoo; Kitano, Noritoshi; and Kaneko, Susumu, 3,849,398.

Kitano, Shin; and Kagata, Tooru, to Aisin Seiki Kabushiki Kaisha. Differential. 3,791,237, 2-12-74, Cl. 74-711.000.

Kitano, Shin; and Momose, Yutaka, to Aisin Seiki Kabushiki Kaisha. Transmission control system for vehicles. 3,853,210, 12-10-74, Cl. 192-4.00c.

Kitano, Yoshizo. Portable screw cutting machine. 3,851,564, 12-3-74, Cl. 90-11.520.

Kitanosono, Hidehiro, to Hitachi, Ltd. Control device for rolling mills. 3,803,887, 4-16-74, Cl. 72-11.000.

Kitanosono, Hidehiro; Kubo, Takeaki; and Shida, Shigeru, to Hitachi Ltd. Method and apparatus for controlling plate thickness in a rolling mill. 3,855,830, 12-24-74, Cl. 72-8.000.

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Kitao, Teijiro: *See*—
Konishi, Kenzo; Kitao, Teijiro; Matsuoka, Masaru; and Shiozaki, Hisayoshi, 3,816,431.

Kitaoka, Yoji; Murata, Katsuhide; Hama, Kotaro; Hashimoto, Michio; and Fujiyoshi, Kenji, to Mitsui Shipbuilding and Engineering Co., Ltd. and Mitsui Petrochemical Industries, Ltd. Process and apparatus for disposal of plastic wastes. 3,832,151, 8-27-74, Cl 48-111.000.

Kitasato Institute Tokyo, Japan, The: *See*—
Nakase, Yasukiyo; and Kojima, Yasuhiko, 3,852,423.

Kitashima, Nobuo: *See*—
Masaki, Tatsuo; Hanada, Hiroshi; and Kitashima, Nobuo, 3,837,853.

Kitaue, Kazuo: *See*—
Shigeno, Kunihiko; Kumada, Kazumi; Deshimaru, Osamu; Aramaki, Takayuki; Kuroki, Katsunobu; and Kitaue, Kazuo, 3,830,937.

Kitaura, Mashio, to Minolta Camera Kabushiki Kaisha. Exposure correction factor setting indicator for cameras. 3,843,249, 10-22-74, Cl. 354-60.000.

Kitayama, Minoru; Nakamura, Motoharu; Inaoka, Masanobu; and Okada, Hiroshi, to Nippon Steel Corporation. Method for forming an insulating film of good punching characteristics on electrical steel sheets and strips. 3,783,034, 1-1-74, Cl. 148-6.200.

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Kitayama, Seishi: *See*—
Ishigami, Hikoichi; Kitayama, Seishi; and Sato, Akira, 3,828,133.

Kitazawa, Hiroshi, to Brother Kogyo Kabushiki Kaisha. Knitting machine. 3,783,641, 1-8-74, Cl. 66-60.00r.

Kitazawa, Novoru. Oiling device for metal sheet. 3,805,738, 4-23-74, Cl. 118-227.000.

Kitazawa, Takeo: *See*—
Inoue, Kozo; Hara, Toshito; Kitazawa, Takeo; Yamamoto, Kazuyoshi; and Oguma, Toshiro, 3,814,612.

Kitazawa, Yoshio; Ariyoshi, Ikuji; Nagawa, Masato; and Terai, Kenji, to Nippon Steel Corporation. Magnetic conveyer. 3,834,519, 9-10-74, Cl. 198-41.000.

Kitazume, Shoji: *See*—
Tashiro, Kijuro; Yokoyama, Masuzo; and Kitazume, Shoji, 3,812,089.

Kitazume, Susumu, to Nippon Electric Company, Limited. Delay distortion-reducing branching filter network for frequency division-multiplex communication system. 3,806,838, 4-23-74, Cl. 333-6.000.

Kitazume, Yoshiaki: *See*—
Endou, Hirohide; Kawasaki, Jun; Fujimoto, Yoshiji; Nakane, Keiichi; and Kitazume, Yoshiaki, 3,849,760.

Kitazumi, Kazunori: *See*—
Tsuruta, Sueichi; and Kitazumi, Kazunori, 3,806,923.

Kitchel, George Behrman. Faceted gem with embedded means for producing variable pattern. 3,835,665, 9-17-74, Cl. 63-32.000.

Kitchen, Alonzo G.: *See*—
Hogan, John Paul; Kitchen, Alonzo G.; and Kahle, Gerald R., 3,801,520.
Kahle, Gerald R.; and Kitchen, Alonzo G., 3,803,266.

Kitchen, Elwyn L., Jr.; and Kirk, Gregory H., to General Motors Corporation. Shock absorbing securement device. 3,785,601, 1-15-74, Cl. 248-119.00r.

Kitchen, Elwyn L., Jr.; and Cwycyshyn, Walter, to General Motors Corporation. Vehicle positioning and restraint apparatus. 3,797,656, 3-19-74, Cl. 206-335.000.

Kitchen, Harry E. Electronic musical instrument simulating a stringed musical instrument. 3,830,952, 8-20-74, Cl. 84-1.240.

Kitchens, Garry C.; Hochstetler, Alan R.; and Kaiser, Kent, to Givaudan Corporation. 4-Aceto-6,8a-ethano-1,1,6-trimethyl-1,2,3,5,6,7,8,8a-octahydronaphthalene, process for making same and compositions containing same. 3,799,987, 3-26-74, Cl. 260-586.00r.

Kitchens, Gary C.: *See*—
Hochstetler, Alan R.; and Kitchens, Gary C., 3,793,348.

Kito, Kazutoshi: *See*—
Inoue, Kazuhiro; Kito, Kazutoshi; and Matsui, Fumio, 3,793,098.

Kito, Kiyoharu: *See*—
Chiba, Matsubei; Kito, Kiyoharu, Mizutani, Hiroshi; and Kachi, Masayasu, 3,802,840.

Kito, Masahiro; and Ueda, Aisumi, to Aisin Seiki Kabushiki Kaisha. Hydraulic power brake system. 3,796,467, 3-12-74, Cl. 303-13.000.

Kito, Masahiro; and Kawaguchi, Hiroshi, to Aisin Seiki Kabushiki Kaisha and Toyota Jidosha Kogyo Kabushiki Kaisha. Fluid pressure control valve apparatus for dual system brake. 3,830,549, 8-20-74, Cl. 303-6.00r.

Kito, Mitsuo: *See*—
Hirose, Hidenori; Tsubosaki, Masaaki; Sugiyama, Masayoshi, Skita, Akira; and Kito, Mitsuo, 3,788,503.

Kitoku Co., Ltd.: *See*—
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Kitovich, William: *See*—
Kaufman, Bernard; and Kitovich, William, 3,812,379.

Kitrilakis, Sotiris: *See*—
Buck, Keith E.; Kitrilakis, Sotiris; and Robinson, Thomas C., 3,840,006.

Kitrilakis, Sotiris, to Tecna Corporation. Intrauterine device. 3,785,376, 1-15-74, Cl. 128-130.000.

Kitrilakis, Sotiris, to Tecna Corporation. Device for treating infants having breathing difficulties. 3,786,809, 1-22-74, Cl. 128-191.000.

Kitrilakis, Sotiris; and Robinson, Thomas C., to Tecna Corporation. Nontraumatic heart pump. 3,814,547, 6-4-74, Cl. 417-383.000.

Kitrilakis, Sotiris; and Robinson, Thomas C., to Tecna Corporation. Oxygenator. 3,841,837, 10-15-74, Cl. 23-258.500.

Kitrilakis, Sotiris, to Tecna Corporation. Intrauterine device. 3,848,590, 11-19-74, Cl. 128-130.000.

Kitson, George Samuel; and Sutton, Julian MacDonald Davison, to State for Defence, The Secretary of. Thrust deflectors for ducted fan gas turbine engines. 3,824,784, 7-23-74, Cl. 60-226.00a.

Kitsopoulos, Sotirios Constantine: *See—*
Awipi, Mebenin; Kitsopoulos, Sotirios Constantine; and Levinstone, Donald Steven, 3,824,413.

Kitsuda, Kaname: *See—*
Imagawa, Tameichi; and Kitsuda, Kaname, 3,797,556.

Kitsuda, Toshiyuki; Yamakawa, Choji; and Hattori, Kenichi, to Kao Soap Co., Ltd. and Japanese National Railways. Method for maintaining fluidity of cement compositions. 3,788,868, 1-29-74, Cl. 106-90.000.

Kitsuda, Yoshihiro: *See—*
Doi, Kazuo; and Kitsuda, Yoshihiro, 3,810,854.

Kitsukawa, Yoshitsugi: *See—*
Aoki, Ichizo; and Kitsukawa, Yoshitsugi, 3,817,046.

Kitta, Yasuo: *See—*
Futamata, Masayuki; Nukada, Takao; Kitta, Yasuo; Morita, Koiti; and Hirose, Kazuyuki, 3,838,952.

Kittaka, Hirokazu: *See—*
Tabei, Kiyoshi; and Kittaka, Hirokazu, 3,848,406.

Kittel, Harold James, to Drake, R. L., Company. Method and apparatus for tuning an amplifier circuit. 3,846,713, 11-5-74, Cl. 330-192.000.

Kitterman, Lawrence Pete; and Rice, Howard Gene. Tray washing system. 3,798,065, 3-19-74, Cl. 134-25.00r.

Kitterman, Richard E.; and Giles, Grady E., to Hersey Products, Inc., mesne. Counter and preset unit. 3,813,525, 5-28-74, Cl. 235-92.0pe.

Kittl, Hans: *See—*
Aebli, Horst; Fleck, Fritz; Kittl, Hans; and Schmid, Horst, 3,821,240.
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Kittle, Carl Edwin; and Spencer, Keith Louis, to Deere & Company. Flow control dump valve. 3,785,157, 1-15-74, Cl. 60-493.000.

Kittle, Paul A.: *See—*
Crook, Evan H.; and Kittle, Paul A., 3,838,043.

Kittredge, Lloyd G., to Pitney-Bowes, Inc. Guide and alignment member. 3,840,105, 10-8-74, Cl. 197-53.000.

Kittredge, Raymond E., to Singer Company, The. Sky fill-in projector. 3,782,815, 1-1-74, Cl. 353-29.000.

Kittredge, Thomas D.: *See—*
Pressman, Gerald L.; and Kittredge, Thomas D., 3,786,514.
Pressman, Gerald L.; and Kittredge, Thomas D., 3,787,876.
Pressman, Gerald L.; and Kittredge, Thomas D., 3,809,556.
Pressman, Gerald L.; and Kittredge, Thomas D., 3,809,557.

Kittrell, James R., to Chevron Research Company. Hydrocarbon conversion catalyst and process using said catalyst. 3,826,736, 7-30-74, Cl. 208-59.000.

Kitts, George J. Lock core puller for spring retained locks. 3,816,899, 6-18-74, Cl. 29-263.000.

Kitzie, John, to Becton, Dickinson, and Company. Stopcock. 3,788,602, 1-29-74, Cl. 251-312.000.

Kitzing, Rainer: *See—*
Tschopp, Paul; Deuschel, Werner; Boragine, Carolo; and Kitzing, Rainer, 3,792,021.

Kitzinger, Frank: *See—*
Tarassoff, Peter; and Kitzinger, Frank, 3,808,524.

Kitzinger, Frank; and Tarassoff, Peter, to Noranda Mines Limited. Automatic speed control and programming system for high-speed belt conveyor type throwers. 3,785,513, 1-15-74, Cl. 214-18.220.

Kitzner, Ernest W.; Rhodes, Alex; and Wolfe, Earl W., to Ford Motor Company. Energy absorbing steering wheel support. 3,817,118, 6-18-74, Cl. 74-492.000.

Kiuchi, Kuninosuke: *See—*
Isawa, Kazuo; Maejima, Masatsugu; Kiuchi, Kuninosuke; Yokota, Ken; and Ogawa, Masaru, 3,846,170.

Kiuchi, Masao, to Sony Corporation. Transformer having switch means for causing series or parallel connection between plural primary or secondary windings. 3,855,521, 12-17-74, Cl. 323-49.000.

Kiuchi, Masashi: *See—*
Maki, Isamu; and Kiuchi, Masashi, 3,853,554.

Kiuchi, Michio: *See—*
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Kiuchi, Mitsuyuki: *See—*
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Amagami, Keizo; Mori, Hazime; Kobayashi, Takao; Kiuchi, Mitsuyuki; and Ogino, Yoshio, 3,823,296.

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Kiuchi, Yoshinori: *See—*
Nakamura, Kihei; Yamazaki, Harumichi; Masuda, Hirotsugu; Sato, Takeshi; and Kiuchi, Yoshinori, 3,825,292.

Kiukkonen, Olli Juhani, to Rateko Oy. Car conveyor, in particular for a washing car machine. 3,785,295, 1-15-74, Cl. 104-155.000.

Kivimaa, Eero Mikael. Swaging machine. 3,839,927, 10-8-74, Cl. 76-54.000.

Kivistik, Olev, to General Electric Company. Interlocked push-pull driver circuit. 3,825,773, 7-23-74, Cl. 307-255.000.

Kivlen, John A.; Orr, Richard L.; Chwab, William H.; and Macindoe, George F., to Ashland Company of N. J., Inc. Harvesting apparatus. 3,812,663, 5-28-74, Cl. 56-328.000.

Kivlighn, Herbert D., Jr., to Grumman Aerospace Corporation. Novel glasses and processes for the preparation thereof. 3,824,123, 7-16-74, Cl. 117-124.00c.

Kiwalle, Jozef: *See—*
Fuller, Francis W.; and Kiwalle, Jozef, 3,800,996.

Kiwalle, Jozef, to Production Technology Inc. Parts handling fixture. 3,795,324, 3-5-74, Cl. 214-1.0bd.

Kiwalle, Jozef; Merrit, Paul H.; and Sluetz, Edward J., to Production Technology Inc. Apparatus for flash removal from heat and pressure welded articles. 3,817,439, 6-18-74, Cl. 228-2.000.

Kiwalle, Jozef; Merritt, Paul H.; and Sluetz, Edward J., to Production Technology Inc. Method and apparatus for flash removal from heat and pressure welded articles. 3,841,201, 10-15-74, Cl. 90-24.00a.

Kiwiet, William B., to Tektronix, Inc. Numerical control system. 3,835,360, 9-10-74, Cl. 318-561.000.

Kiyama, Masao: *See—*
Iwase, Keizo; Takada, Toshio; and Kiyama, Masao, 3,822,210.

Kiyanagi, Tetsuo; Suzuki, Morio; and Yoshino, Hiroshi, to Yamasa Shoyu Kabushiki Kaisha. Process for producing 5-iodo-deoxyuridine. 3,852,266, 12-3-74, Cl. 260-211.50r.

Kiyashko, Vladimir Safonovich: *See—*
Krjukov, Nikolai Mikhailovich; Shparber, Lazar Yakovlevich; Egorov, Anatoly Fedorovich; Denisov, Jury Petrovich; Bakshinov, Alexi Stepanovich; Shatlin, Alexei Leontievich; Kiyashko, Vladimir Safonovich; Krylov, Vitaly Nikolorvich; Marsuversky, Boris Alexanrovich; Saifutdinov, Rafik Khisamovich; and Vier, Vladimir Ivanovich, 3,792,850.

Kiyohara, Takehiko; and Mochizuki, Noritaka, to Canon Kabushiki Kaisha. Focus detector device. 3,827,064, 7-30-74, Cl. 354-25.000.

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Kiyohiko, Asada: *See—*
Juna, Kiyoshi; Imai, Takeo; Nakayama, Hiroyuki; Nobuyuki, Kita; Kiyohiko, Asada; and Tetsud, Aihara, 3,850,770.

Kiyomoto, Akio: *See—*
Yamato, Eisaku; Wada, Masao; Sekiguchi, Toshio; Sato, Masanori; Nagao, Taku; Nakajima, Hiromichi; Kiyomoto, Akio; and Kawanishi, Masazumi, 3,818,015.

Kiyono, Hiroshi; Nakashima, Junichi; Fujisaki, Yasuyuki; Ishigaki, Yukio; and Endo, Gen, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Apparatus for producing a thermoplastic resin sheet having a color band. 3,799,718, 3-26-74, Cl. 425-131.000.

Kiyosawa, Isao: *See—*
Nagasawa, Taro; Ryoki, Taizo; Kiyosawa, Isao; Oizumi, Saburo; Fukuwatari, Yasuo; Suzuki, Takashi; Ishibashi, Hitoshi; and Kawamura, Nobuo, 3,845,231.

Kiyoshe, Tadashi: *See—*
Ishida, Shinnosuke; Harada, Kunio; Kiyoshe, Tadashi; Takeuchi, Reizi; Itoh, Susumu; Sotodate, Akiyoshi, and Wachi, Tadashi, 3,795,334.

Kiyotoshi, Tadahiro: *See—*
Motani, Kensuke; Kiyotoshi, Tadahiro; and Nakahara, Akihiko, 3,790,535.

Kiyozumi, Kentaro: *See—*
Owaki, Kenichi; Kiyozumi, Kentaro; and Nakayama, Northiko, 3,789,470.

Kiyozumi, Kentaro, to Ise Electronics Corporation. Apparatus for vapor deposition and ion implantation. 3,847,114, 11-12-74, Cl. 118-49.001.

Kizler, Harald: *See—*
Schmidt, Peter Jurgen; and Kizler, Harald, 3,782,347.

Kizziar, Theodore C.; and Mays, David W. Cooking utensil. 3,817,163, 6-18-74, Cl. 99-353.000.

K.J. Maskinfabriken A/S: *See—*
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Kjaergaard, Ole Gronning: *See—*
Houghton-Larsen, Erik; and Kjaergaard, Ole Gronning, 3,857,332.

Kjeldsteen, Per, to Danfoss A/S. Planetary washing machine drive with centrifugal clutch. 3,797,331, 3-19-74, Cl. 74-752.00e.

Kjell, Bergman: *See—*

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Kjellberg, Bent Ivan: *See—*
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Kjonaas, Manley, to Atlantic Richfield Company. Method for producing corrosion inhibiting compositions. 3,850,823, 11-26-74, Cl. 252-40.700.

Kjorlien, Alton S.: *See—*
Aly, Kenneth M.; and Kjorlien, Alton S., 3,822,478.

Kjos, Magne Jarle; and Molleman, Johan Henri, to Burroughs Corporation. Pneumatically controlled bistable reel hub mechanism. 3,825,203, 7-23-74, Cl. 242-68.300.

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Tolman, John Leonard, 3,793,617.

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Klaassen, Dirk; Spadon, Luciano J.; and Tiessens, Meindert, to Stamicarbon N.V. Method of controlling a polymer preparation process. 3,835,106, 9-10-74, Cl. 260-94.90p.

Klabukov, Alexandr Georgievich: *See—*
Semchinov, Sergei Nikolaevich; Petrov, Vsevolod Pavlovich; Tabunschikov, Mikhail Yakovlevich; Olkhovsky, Nikolai Alexeevich; Krivosheev, Pavel Ivanovich; Verstov, Viktor Tikhonovich; Klabukov, Alexandr Georgievich; and Gorbachev, Gennady Yakovlevich, 3,806255.

Klabunde, Steven Eldor, to Giddings & Lewis, Inc. Measuring gage for turning machines and the like. 3,851,396, 12-3-74, Cl. 33-143.001.

Klaeger, Joseph H. Pneumatic counter balanced oil well pump actuator utilizing an improved snifter valve. 3,782,247, 1-1-74, Cl. 91-306.000.

Klaenhammer, Bryan L., to Minnesota Mining and Manufacturing Company. Magnetic toner powder applicator. 3,849,161, 11-19-74, Cl. 117-17.500.

Klager, Karl; and Dekker, Albert O., to Aerojet-General Corporation. Non-toxic gas generation. 3,814,694, 6-4-74, Cl. 252-186.000.

Klahr, Carl N. High resolution ultrasonic imaging scanner. 3,805,596, 4-23-74, Cl. 73-67.80s.

Klahr, Carl N. Optical processor for convolution filtering. 3,809,873, 5-7-74, Cl. 235-181.000.

Klahre, Guenter: *See—*
Emden, Helmut Huber; Hubele, Adolf; and Klahre, Guenter, 3,813,399.

Klaiber, Erich; Stockle, Hans; and Domann, Helmut, to Bosch, Robert, G.m.b.H. Speed regulating arrangement for internal combustion engines. 3,800,755, 4-2-74, Cl. 123-102.000.

Klamka, Norbert: *See—*
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Klamp, Paul. Subfloor conveyor tow truck. 3,810,428, 5-14-74, Cl. 104-172.0bt.

Klancnik, Adolph V. Machine tool feed apparatus. 3,809,257, 5-7-74, Cl. 214-8.50c.

Klane, Thomas P. Manually regulated vacuum assembly for hair clipper. 3,797,111, 3-19-74, Cl. 30-133.000.

Klang, Daniel M.; and Mosciatti, Roger, to Bucode, Inc. Light collecting and transmitting apparatus. 3,791,607, 2-12-74, Cl. 242-184.000.

Klann, Paul A. Chest valve for pipe organs. 3,795,170, 3-5-74, Cl. 84-339.000.

Klapholz, Joseph. Multicolor stamp. 3,839,955, 10-8-74, Cl. 101-334.000.

Klapper, Jacob: *See—*
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Klappert, Willi, to General Electric Company. Crimp locked outer turn for induction core. 3,812,554, 5-28-74, Cl. 24-20.0ee.

Klapproth, William J., Jr.: *See—*
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Klaproth, Rolf. Trousers. 3,784,986, 1-15-74, Cl. 2-237.000.

Klar, Erich: *See—*
Runge, Ernst-Georg; and Klar, Erich, 3,854,048.

Klar, John, to Cincinnati Milacron-Heald Corporation. Grinding machine. 3,803,772, 4-16-74, Cl. 51-98.00r.

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Klarcrete Limited: *See—*
Clarke, Ronald Albert William, 3,791,699.
Clarke, Ronald Albert William, 3,810,676.

Klaren, Cornelis H. J., to Shell Oil Company. Powder coating composition. 3,842,035, 10-15-74, Cl. 260-47.0en.

Klarke, Phillip. Pump station test stand assembly. 3,844,516, 10-29-74, Cl. 248-88.000.

Klasek, Frank A.: *See—*
Dalal, Ajay P.; Elarde, Paul F.; and Klasek, Frank A., 3,847,700.

Klasek, Ladislav J.: *See—*
Armstrong, Thaddeus J.; Styczen, John A.; and Klasek, Ladislav J., 3,827,284.

Klashka, John A.: *See—*
Barlow, George J.; and Klashka, John A., 3,803,552.
De Voy, David D.; Barlow, George J.; and Klashka, John A., 3,792,436.
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Klass, Donald L.; and Landahl, Carl D., to Northern Natural Gas Company, mesne. Separation of methane and nitrogen mixtures under N on-steadystate conditions. 3,797,200, 3-19-74, Cl. 55-16.000.

Klass, Donald L.; and Landahl, Carl D., to Institute of Gas Technology. Separation of gaseous mixtures under non-steady state conditions. 3,818,679, 6-25-74, Cl. 55-16.000.

Klass, Donald L.; and Landahl, Carl D. Permeant gas method and apparatus. 3,854,894, 12-17-74, Cl. 48-195.000.

Klass, Donald L., to Institut of Gas Technology. Hydrate forming in water desalination. 3,856,492, 12-24-74, Cl. 62-58.000.

Klass, Donald Leroy; and Azukas, John Joseph. Method and means for natural gas detection. 3,809,615, 5-7-74, Cl. 195-103.50r.

Klasson, George A., to Air Products and Chemicals, Inc. Plasma arc welding torch. 3,794,806, 2-26-74, Cl. 219-121.00p.

Klasson, George A. Starting and stabilizing apparatus for a gas-tungsten arc welding system. 3,832,513, 8-27-74, Cl. 219-75.000.

Klatil, Karel; Vogel, Tomas; Moc, Milos; and Jarolimek, Premysl, to Spolek Pro Chemickou a Hutni Vyrobu. Self curing acrylate type composition for cementing metal parts. 3,853,827, 12-10-74, Cl. 260-86.10e.

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Klatt, Alfred: *See—*
Reinecke, Erich; Isernhagen, Fritz; Klatt, Alfred; Weise, Lutz; and Maisold, Karl-Heinz, 3,837,710.

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Klatt, Peter; Seeger, Karl; and Wilborn, Wolfgang, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Device for applying medical substances to the nasal mucosa. 3,788,296, 1-29-74, Cl. 128-268.000.

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Klaudinyi, Bela; Fisher, Robert E.; and Jacobs, Louis J., to Combustion Engineering, Inc. Foundry core paste. 3,793,284, 2-19-74, Cl. 260-33.8ua.

Klaudy, Peter, to Siemens Aktiengesellschaft. High speed electrical contact device including a rotating liquid contact element. 3,835,436, 9-10-74, Cl. 339-5.001.

Klaue, Hans Joachim; and Reisacher, Josef, to Aktiengesellschaft Kuhnle, Kopp & Kausah. Process for detoxicating exhaust gases from otto-combustion engines and apparatus for carrying out such process. 3,796,046, 3-12-74, Cl. 60-619.000.

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Bien, Hans-Samuel; and Klauke, Erich, 3,822,263.
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Klauser, John George: *See—*
Linn, Thomas Daniel; Klauser, John George; Jordan, Alexander; and Tikijian, George Haig, 3,812,474.

Klausner, Bracha. Apparatus and methods relating to support of the forearm. 3,815,588, 6-11-74, Cl. 128-77.000.

Klavers, Hendrik Wolterus: *See—*
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Klaviter, Walter F.: *See—*
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Klavsons, Uldis; and Michaels, Thomas B., to Xerox Corporation. Regulator for xerographic fusing apparatus. 3,790,747, 2-5-74, Cl. 219-216.000.

Klawans, Warren D.: *See—*
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Klebanow, Ivan J. System for child photography. 3,812,506, 5-21-74, Cl. 354-80.000.

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Klebba, Horst, to Volkswagenwerk Aktiengesellschaft. Spring actuated lock for use with motor vehicle door. 3,843,175, 10-22-74, Cl. 292-216.000.

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Kleber, David. Intrusion alarm. 3,815,112, 6-4-74, Cl. 340-214.000.

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Klecak, George. Buzzing pyrotechnic device and method. 3,793,955, 2-26-74, Cl. 102-31.000.

Klee, David J.; and Sills, John T., to Air Products and Chemicals, Inc. Food freezing apparatus. 3,813,895, 6-4-74, Cl. 62-266.000.

Klee, Gerhard, to Samson Apparatebau AG. Fluid conducting system. 3,814,126, 6-4-74, Cl. 137-608.000.

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Kleebaru, Karl: *See—*
Sokol, Gunter; and Kleebaru, Karl, 3,831,047.

Kleeberg, Wolfgang; Rubner, Roland; and Kuehn, Eberhard, to Siemens Aktiengesellschaft. Single-phase film-forming photo-cross-linkable systems. 3,832,187, 8-27-74, Cl. 96-115.00r.

Kleefeldt, Frank: *See—*
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Kleekamp, Robert L., to National Cash Register Company, The. Microform reader projection lens tracking mechanism. 3,791,727, 2-12-74, Cl. 353-101.000.

Kleemann, Alois: *See—*
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Kleemann, Manfred: *See—*
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Kleen, Bergert G.; and Lamoureux, William R., to International Business Machines Corporation. Solid state gas panel display circuits with noninductive solid state insolation between low level logic and high level drive signal functions. 3,811,124, 5-14-74, Cl. 340-324.00m.

Kleen, Bergert George: *See—*
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Kleen Test Products, Inc.: *See—*
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Klees, Garry W., to Boeing Company, The. Increased or variable bypass ratio engines. 3,792,584, 2-19-74, Cl. 60-204.000.

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Klees, Gerard T., to General Motors Corporation. Vehicle bumper system. 3,836,188, 9-17-74, Cl. 293-88.000.

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Kleimann, Helmut: *See—*
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Kleimeyer, Vernon T., to General Signal Corporation. Tape programmer for time recorders. 3,858,222, 12-31-74, Cl. 346-17.000.

Klein, Albert Joseph, to American Can Company. Strip casting aluminum alloy. 3,834,900, 9-10-74, Cl. 75-142.000.

Klein, Andrew R.; a member of the firm of Synnestvedt & Lechner: *See—*
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Klein, Arthur J.: *See—*
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Klein, Carl F.: *See—*
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Klein, Carl F.; Korta, Lawrence B.; and McDean, Michael B., to Johnson Service Company. Programmed time division multiplexed coded tone transmission system. 3,803,594, 4-9-74, Cl. 340-409.000.

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Klein, Dagobert; and Schneider, Gunter, to International Standard Electric Corporation. Electromechanical filter. 3,784,936, 1-8-74, Cl. 333-71.000.

Klein, Dieter H., to Dow Chemical Company, The. High solids content vinylidene chloride polymer dispersions in strongly hydrogen bonded dispersing media and process of preparation thereof. 3,846,828, 11-5-74, Cl. 260-33.40r.

Klein, Dieter Heinrich: *See—*
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Klein, Donald R.; and Read, Fredrick C., to Sheller-Globe Corporation. Remotely controlled day-night rear view mirror. 3,810,690, 5-14-74, Cl. 350-282.000.

Klein, Edward I., to V-Mark Automation Ltd. Conveyor. 3,815,726, 6-11-74, Cl. 198-219.000.

Klein, Enrique J.: *See—*

Klein, Enrique J.; and Lee, Myron E. (said Lee assor. to said), 3,809,997.

Klein, Enrique J. Snap fastening device. 3,798,716, 3-26-74, Cl. 24-233.000.

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Klein, Erich, to Dragoco Spezialfabrik Konz, Riech- und Aromastoffe Gerberding & Co. GmbH. Method of protecting the skin with 5-(3,3-dimethyl-2-norbornylidene)-3-pentene-2-one. 3,855,407, 12-17-74, Cl. 424-59.000.

Klein, Erwin, to BBC Aktiengesellschaft Brown, Boveri & Cie. Multi-celled mounting frame for static converter modules. 3,846,678, 11-5-74, Cl. 317-120.000.

Klein, Frank F., Jr. Bicycle stem lock. 3,785,676, 1-15-74, Cl. 280-279.000.

Klein, Friedrich; and Kageler, Peter, to Diehl. Data storage circuit. 3,821,723, 6-28-74, Cl. 340-173.0rc.

Klein, Fritz S.; and Yinon, Jehuda. Amplifier and quadrupole mass spectrometer utilizing same. 3,838,280, 9-24-74, Cl. 250-292.000.

Klein, Georg Anton: *See—*
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Klein, Gerald B. Fisherman's tool. 3,825,961, 7-30-74, Cl. 7-1.00h.

Klein, Gerald B. Leader connector. 3,834,061, 9-10-74, Cl. 43-44.900.

Klein, Gerald B. Leader with a line connector. 3,857,645, 12-31-74, Cl. 403-206.000.

Klein, Gerald I.; and Mittelman, Edward R., to Westinghouse Electric Corporation. Liquid dielectric cooled terminations. 3,783,414, 1-1-74, Cl. 333-22.00f.

Klein, Gerald I., to Westinghouse Electric Corporation. Terminations. 3,796,973, 3-12-74, Cl. 333-22.00f.

Klein, Gerald I.; Moore, Robert A.; and Payer, Stephen F., to Westinghouse Electric Corporation. Minimum insertion loss yig pulse compression filter transducer. 3,825,859, 7-23-74, Cl. 333-30.00m.

Klein, Gerald Lee; and Meyer, Richard Carl, to Beckman Instruments, Inc. Electrophoresis sample applicator. 3,839,183, 10-1-74, Cl. 204-299.000.

Klein, Gerhart P.: *See—*
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Klein, Gerhart P., to Mallory, P. R., & Co., Inc. Method for making an anode. 3,809,552, 5-7-74, Cl. 75-208.00r.

Klein, Gerhart P.; and Vierow, William F., to Mallory, P. R., & Co., Inc. Method for the fabrication of miniature anodes for tantalum capacitors by dipping in a viscous slurry. 3,817,782, 6-18-74, Cl. 117-212.000.

Klein, Hans-Christof; and Werner, Gunther, to Teves, Alfred, G.m.b.H. Method of and apparatus for measuring angular acceleration. 3,805,034, 4-16-74, Cl. 235-150.240.

Klein, Harold T.: *See—*
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Klein, Harold T., to Robbins Company, The. Sleeve cylinder powered drilling machine. 3,797,587, 3-19-74, Cl. 173-152.000.

Klein, Harold T. Cantilever stairstep construction. 3,851,431, 12-3-74, Cl. 52-189.000.

Klein, Harry, to Telesco Brophey Limited. Collapsible umbrella. 3,844,302, 10-29-74, Cl. 135-26.000.

Klein, Heinrich: *See—*
Fracke, Aribert; Klein, Heinrich; Pieper, Rudolf; Weber, Eduard; and Wachtler, Hans, 3,851,404.

Klein, Heinrich; Pieper, Rudolf; and Sieth, Joachim, to Siemens Aktiengesellschaft. Apparatus for producing granular solids from the gaseous phase such as by sublimation. 3,791,110, 2-12-74, Cl. 55-261.000.

Klein, Herbert H.: *See—*
Moyer, Harris P.; and Klein, Herbert H., 3,783,498.

Klein, Howard Joseph; and Herchenroeder, Robert B. H., to Cabot Corporation. Oxidation resistant alloys. 3,802,875, 4-9-74, Cl. 75-171.000.

Klein, Ira: *See—*
Kramer, Howard J.; and Klein, Ira, 3,818,858.

Klein, James A.: *See—*
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Klein, Joseph F. M.: *See—*
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Klein, Keith W., to General Electric Company. Miniature circuit breaker with electronic tripping means. 3,789,268, 1-29-74, Cl. 319-18.00d.

Klein, Keith W., to General Electric Company. Shock protecting circuit breaker for two circuits with common neutral. 3,795,841, 3-5-74, Cl. 317-18.00d.

Klein, Keith W., to General Electric Company. Multiple fuse device. 3,818,406, 6-18-74, Cl. 337-148.000.

Klein, Keith William; and Palmieri, Joseph Michael, to General Electric Company. Electrical conductor terminal assembly. 3,824,555, 7-16-74, Cl. 339-246.000.

Klein, Kenneth E.: *See—*
Babin, Frank A.; and Klein, Kenneth E., 3,784,304.

Klein, Konrad, to Zinser-Textilmaschinen GmbH. Installation for transporting spools. 3,828,682, 8-13-74, Cl. 104-91.000.

Klein, Konrad, to Zinser-Textilmaschinen GmbH. Gripper for yarn carriers and the like. 3,835,633, 9-17-74, Cl. 57-52.000.

Klein, Lawrence N.; and Wallens, William R., to Century-Niagara Corporation. Multiple automatic washer system. 3,841,116, 10-15-74, Cl. 68-12.00r.

Klein, Leo J., to Emerson Electric Co. Electrical connections. 3,792,410, 2-12-74, Cl. 338-296.000.

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Klein, Max, to Normac, Inc. Composite polymer products for that. 3,855,049, 12-17-74, Cl. 161-160.000.

Klein, Michael B. Crown remover. 3,834,026, 9-10-74, Cl. 32-43.000.

Klein, Otto. Retainer assembly. 3,805,963, 4-23-74, Cl. 211-32.000.

Klein, Perry Ian, to Communications Satellite Corporation. Navigation satellite system. 3,852,750, 12-3-74, Cl. 343-105.00r.

Klein, Richard E.: *See—*
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Klein, Richard F. Remote control apparatus. 3,809,115, 5-7-74, Cl. 137-344.000.

Klein, Richard M., to GTE Laboratories, Incorporated. Preparation of chaloogenide glass sputtering targets. 3,791,955, 2-12-74, Cl. 204-298.000.

Klein, Richard M., to GTE Laboratories Incorporated. Encapsulation for light-emitting diodes. 3,834,883, 9-10-74, Cl. 65-32.000.

Klein, Richard M., to GTE Laboratories Incorporated. Preparation of chalcogenide glass sputtering targets. 3,850,604, 11-26-74, Cl. 65-32.000.

Klein, Robert I.; and Hogg, Walter R., to Coulter Electronics, Inc. Particle analyzing system for Coulter particle device and method. 3,783,247, 1-1-74, Cl. 235-92.0pc.

Klein, Roy W.: *See—*
Adamowicz, Norman C.; Klein, Roy W.; and Tremmel, Robert A., 3,814,674.
Yin, Chieh-Kung; Klein, Roy W.; and Johnson, Bernard A., 3,797,595.

Klein, Roy W.; Tremmel, Robert A.; and Clauss, Richard J., to Oxy Metal Finishing Corporation. Nickel electroplating composition and process. 3,795,592, 3-5-74, Cl. 204-49.000.

Klein, Samuel J., to American Technical Ceramics; a division of Phase, Industries, Inc. Multiple layer capacitors. 3,838,320, 9-24-74, Cl. 317-261.000.

Klein, Schanzlin & Becker Aktiengesellschaft: *See—*
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Holzhuter, Erich, 3,820,570.
Honold, Ernst; Hubner, Werner; and Sturm, Hans-Dieter, 3,811,687.
Schneider, Wolfgang; Piekarek, Egbert Diethelm, and Thommes, Stefan, 3,788,580.

Klein, Stewart E.; and Gagliardi, D. Donald; deceased (by Gagliardi, Frances Dodge; executrix), to Sanitized Incorporated. Method of concurrently dyeing and properties to imparting durable bioactive properties to synthetic textiles. 3,788,803, 1-29-74, Cl.8-17.000.

Klein, Walter: *See—*
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Klein, Walter, to Didier-Werke A.G. Silica bricks. 3,783,171, 1-1-74, Cl. 13-35.000.

Klein, Walter F.: *See—*
Bruer, James D.; Buddington, Donald L.; and Klein, Walter F., 3,789,160.

Klein, Wilhelm, to USM Corporation. Method and machine for shaping the heel of a shoe upper. 3,835,496, 9-17-74, Cl. 12-142.00r.

Kleinberg, Leonard L., to United States of America, National Aeronautics and Space Administration. Ultra-stable oscillator with complementary transistors. 3,806,831, 4-23-74, Cl. 331-116.00r.

Kleindienst, Horst; Roos, Gerold; and Zingg, Rudolf, to Zellweger Ltd. Measuring heads for strength testers. 3,813,930, 6-4-74, Cl. 73-95.500.

Kleindinst, Edgar L.: *See—*
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Kleindrettle, Karl: *See—*
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Kleine, Eugene T. Window box planter. 3,800,470, 4-2-74, Cl. 47-36.000.

Kleine, Jean Jacques, to Du Pont, S. T. Apparatus for storing a liquid for its distribution in the gaseous state. 3,813,041, 5-28-74, Cl. 239-55.000.

Kleine, Richard A.: *See*—
Rohn, Ivan D.; Kleine, Richard A.; and Wright, Charles A., 3,856,639.

Kleine, Shirley J. Ornamental barrette. 3,817,260, 6-18-74, Cl. 132-48.000.

Kleine-Weischede, Klaus: *See*—
Guth, Hans; Kleine-Weischede, Klaus; Reher, Peter; and Wieschen, Hermann, 3,803,297.
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Kleiner, Eduard K.; and Falk, Robert A., to Ciba-Geigy Corporation. Perfluoroalkyl carboxylic acids. 3,819,666, 6-25-74, Cl. 260-402.500.

Kleiner, Eduard Karl; and Knell, Martin, to Ciba-Geigy Corporation. Perfluoroalkyl group containing a, B-unsaturated di- and triesters and polymers thereof. 3,794,623, 2-26-74, Cl. 260-78.40e.

Kleiner, Eduard Karl; Knell, Martin; and Luigi, Pier, to Ciba-Geigy Corporation. Perfluoroalkylamido-alkyl and alkylthio esters of fumaric acid and other ethylenically unsaturated polybasic acids and polymers thereof. 3,808,244, 4-30-74, Cl. 260-404.500.

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Kleiner, Hans-Jerg: *See*—
Herwig, Walter; and Kleiner, Hans-Jerg, 3,853,819.

Kleiner, Hans-Jerg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. (Hydroxy or alkanoyloxy alkylene)dihydrocarbyl phosphine oxides. 3,790,638, 2-5-74, Cl. 260-606.50p.

Kleiner, Hans-Jerg; and Rittner, Siegbert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of alkane phosphonic acid diesters. 3,812,222, 5-21-74, Cl. 260-970.000.

Kleiner, Jules, to Bristol-Myers Company. Aspirator jar. 3,805,788, 4-23-74, Cl. 128-276.000.

Kleinerman, Ben, to Telescan Communications Systems, Inc. Communication system for transmitting video information through media of restricted bandwidth. 3,851,095, 11-26-74, Cl. 178-6.800.

Kleinewefers Industrie Companie GmbH: *See*—
Lopata, Karl Peter, 3,848,439.

Kleinewefers Industrie-Compagnie GmbH: *See*—
Scheunemann, Hans-Rudiger, 3,829,277.

Kleinewefers Industrie-Companie Gesellschaft mit beschrankter Hagtung: *See*—
Schlunke, Jurgen, 3,841,963.

Kleinewefers Industrie-Companie GmbH: *See*—
Jacobs, Heinz, 3,797,558.

Kleinewefers Industrie-Companie GmbH, Firma: *See*—
Lopata, Karl Peter, 3,807,059.

Kleinfeld, Jack M.: *See*—
Raymond, Delmar R.; and Kleinfeld, Jack M., 3,849,246.

Kleinfeld, Martin J.; and Heinrichs, Alfred J., to Uniroyal Inc. Vinyl chloride resin backed floor covering. 3,787,259, 1-22-74, Cl. 156-78.000.

Kleinhagauer, Otmar: *See*—
Holzgruber, Wolfgang; Machner, Peter; Kleinhagauer, Otmar; and Matzer, Josef, 3,801,153.

Kleinhaut, Samuel; and Thiel, Herbert Willy, to Bagprint Ltd. Handle inserting device. 3,818,811, 6-25-74, Cl. 93-8.0wa.

Kleinhaut, Samuel, to Bagprint Ltd. One piece collapsible paper box. 3,829,001, 8-13-74, Cl. 229-16.00a.

Kleinhaut, Samuel, to Bagprint Ltd. One piece collapsible paper box. 3,829,002, 8-13-74, Cl. 229-16.00a.

Kleinhenz, Albert: *See*—
Von Jordan, Wenzel; Kleinhenz, Albert; Wiemer, Jean; and Hemmerling, Horst, 3,834,127.

Kleinke, Bernard L.: *See*—
Wright, Thomas C.; and Kleinke, Bernard L., 3,824,803.

Kleinman, David Allmond. *See*—
Giordmaine, Joseph Anthony; and Kleinman, David Allmond, 3,787,111.

Kleinman, Henry M.: *See*—
Keller, Hans; and Kleinman, Henry M., 3,828,240.

Kleinman, Joseph. Simulated telephone flashlight. 3,821,539, 6-28-74, Cl. 240-6.45r.

Kleinman, Leonard; and Zelenko, Harry. Electric lamp with balloon dome. 3,836,761, 9-17-74, Cl. 240-10.00c.

Kleinmann, Earl E.: *See*—
Taverner, Clarence L.; and Kleinmann, Earl E., 3,785,413.

Kleinmann, Earl E., to Phillips Petroleum Company. Multilayered, insulated fluid tank and structure. 3,793,976, 2-26-74, Cl. 114-74.00a.

Kleinmeyer, Vernon T.; and Schinner, Thomas J., to Cincinnati Time Recorder Company, Inc., The. Embossed card reader. 3,816,707, 6-11-74, Cl. 235-61.11c.

Kleinpeter, Jack D.: *See*—
Hopper, Paul J.; Kleinpeter, Jack D.; and Milano, Dominic C., 3,818,516.

Kleinschmidt, David Charles, to Procter & Gamble Company, The. Laundering aid. 3,816,321, 6-11-74, Cl. 252-134.000.

Kleinschmidt, Klaus, to Junger, Miguel C. Sound absorbing structural block. 3,837,426, 9-24-74, Cl. 171-33.00g.

Kleinwaechter, Hans. Magnetic type transmission arrangement. 3,796,898, 3-12-74, Cl. 310-103.000.

Kleis, Derk; Hanneman, Adriaan; Penning, Cornelis; and Schenkel, Gerrit, to U.S. Philips Corporation. Device for converting acoustical vibrations into electrical oscillations and conversely which is provided with a magnet system and a non-magnetic centerin member. 3,851,118, 11-26-74, Cl. 179-115.5pc.

Kleiss, Louis D., to Phillips Petroleum Company. Method and apparatus for controlling the temperature in a fractionation column. 3,830,698, 8-20-74, Cl. 203-2.000.

Kleist, Hans: *See*—
Friedel, Karlo; Neander, Erich; and Kleist, Hans, 3,822,059.

Kleitman, David: *See*—
Wolf, Helmut F.; and Kleitman, David, 3,852,802.

Kleitz, Michel: *See*—
Besson, Jean; Bonnat, Michel; Deportes, Grenoble Charles; and Kleitz, Michel, 3,791,937.

Klem, Adrianus; and Vlasbioem, Hugo, to N.V. Optische Industrie de Oude Delft. Device for determining the position coordinates of a light-impulse emitting point. 3,794,837, 2-26-74, Cl. 250-366.000.

Klem, Charles D.; Riall, Robert T.; and Wallace, Richard A., to Sperry Rand Corporation. Precision reference pressure supply system. 3,794,070, 2-26-74, Cl. 137-487.500.

Klem, Charles D.; and Ethridge, Cameron D., to Sperry Rand Corporation. Altimeter setting indicator system and method of obtaining said setting. 3,839,626, 10-1-74, Cl. 235-151.300.

Klem, Franklin D.: *See*—
Gross, Marvin C.; Stana, Regis R.; Klem, Franklin D.; and Shaffer, Raymond E., 3,836,457.

Klem, Michael L. Building structure and method of erecting same. 3,795,079, 3-5-74, Cl. 52-437.000.

Klema, Kenneth G., to Beffel, Raymond W. Armature testing device and method. 3,819,046, 6-25-74, Cl. 209-74.00m.

Klemchuk, Peter. N-hydroxy-amino-s-triazines. 3,818,006, 6-18-74, Cl. 260-249.500.

Klemchuk, Peter. Bis-(3,5-di-tertiary butyl-4-hydroxy-benzyl) hydroxylamine. 3,821,304, 6-28-74, Cl. 260-570.900.

Klemchuk, Peter P.: *See*—
Spivack, John D.; and Klemchuk, Peter P., 3,839,277.

Klement, Ekkehard: *See*—
Eschler, Hans; Klement, Ekkehard; Roes, Dieter; and Rosenberger, Dieter, 3,802,774.

Klement, Gunter; Budnowski, Manfred; and Lachmann, Veit, to Henkel & Cie GmbH. Process and composition for bonding vulcanizable rubber compositions to a substrate base on triglycidyl isocyanurates. 3,803,078, 4-9-74, Cl. 260-31.20n.

Klement, Heribert; and Jakob, Heinz. Windshield wiper particularly for automotive vehicles. 3,800,624, 4-2-74, Cl. 74-600.000.

Klemenz, John J.: *See*—
Eilert, Richard L.; and Klemenz, John J., 3,786,247.

Kleminski, Michal: *See*—
Domanski, Bonifacy; Kleminski, Michal; and Zieba, Zozislaw, 3,795,968.

Klemm, Ernst. Ski pole. 3,825,275, 7-23-74, Cl. 280-11.37n.

Klemm, Kurt; and Langenscheid, Erhard, to BYK Gulden Lomberg Chemische Fabrik GmbH. Process for preparing 4-hydroxy 5-substituted pyrimidines and products obtained. 3,798,220, 3-19-74, Cl. 260-251.00r.

Klemm, Kurt; and Langenscheid, Erhard, to BYK Gulden Lomberg Chemische Fabrik GmbH. Production of 2-butyl-N,N'-diphenyl-malonomono-hydrazide. 3,825,589, 7-23-74, Cl. 260-518.00r.

Klemm, Lee E. Method and apparatus for fabricating an elongated carton. 3,850,085, 11-26-74, Cl. 93-49.00m.

Klemm, Martin, to Buser, Fritz, AG., Maschinenfabrik. Method for photo-mechanical composition of designs on stencils for film and screen printing, particularly rotary screen printing. 3,836,367, 9-17-74, Cl. 96-36.400.

Klemm, Robert W.: *See*—
Baker, William J.; Bos, John R.; and Klemm, Robert W., 3,848,789.

Klemp, Eldon J.; and Cassibo, Vernon E., to Litton Systems, Inc. Microwave oven door assembly. 3,843,859, 10-22-74, Cl. 219-10.550.

Klemp, Eldon John; and Cassibo, Vernon Edward, to Litton Systems Inc. Microwave oven having a magnetron extending directly into the oven cavity. 3,814,890, 6-4-74, Cl. 219-10.550.

Klemp, Hans-Joachim; and Redlich, Horst, to TED Bildplatten Aktiengesellschaft. Piezoelectric record cutting stylus. 3,805,100, 4-16-74, Cl. 310-8.300.

Klemt, Arthur, to Klemt, Arthur, Kommanditgesellschaft. Raster process for classifying characters. 3,790,955, 2-5-74, Cl. 340-146.3ma.

Klemt, Arthur. Method and apparatus for comparison. 3,795,894, 3-5-74, Cl. 340-146.3ma.

Klemt, Arthur, Kommanditgesellschaft: *See*—
Klemt, Arthur, 3,790,955.

Klenco Corporation: *See*—
Brunel, Roger L.; Fannon, Robert D.; and Legue, Ronald L., 3,786,779.

Klenk, Adam; and Klenk, Helmut. Conduit closure. 3,838,706, 10-1-74, Cl. 137-247.190.

Klenk, Helmut: *See*—
Klenk, Adam; and Klenk, Helmut, 3,838,706.

Klenk, Ludwig: *See*—
Hammer, Klaus-Dieter; Porrmann, Herbert; and Klenk, Ludwig, 3,811,923.
Hammer, Klaus-Dieter; and Klenk, Ludwig, 3,853,608.
Taureck, Jurgen; Becht, Gerhard; Klenk, Ludwig; and Strutzel, Hans, 3,806,293.

Klep Corporation: *See*—
Klepper, Constant L.; and Koziel, Ronald, 3,836,138.

Klepfer, Harold Holmes: *See*—
De Hollander, William Roger; and Klepfer, Harold Holmes, 3,786,120.

Klepper, Constant L.; and Koziel, Ronald, to Klep Corporation. Web folding machine. 3,836,138, 9-17-74, Cl. 270-79.000.

Klepper, Lowell A., to United States of America, Agriculture. Method for determining toxicity of phytotoxins in plants. 3,857,678, 12-31-74, Cl. 23-230.00r.

Kleppin, Roland P., to Display Corporation International. Tamper proof storage and dispensing unit for cans of oil and the like. 3,847,457, 11-12-74, Cl. 312-100.000.

Klere, Jean: *See*—
Gadefaix, Roger; and Klere, Jean, 3,787,460.

Kleschenko, Nikolai Stepanovich: *See*—
Esjutin, Vladimir Sergeevich; Taziev, Zhavdat Sharafutdinovich; Senjuta, Sergei Julievich; Onaev, Ibragim Abilgazievich; Suturin, Serfim Nikolaevich; Gavrilenko, Demyan Illarionovich; Kleschenko, Nikolai Stepanovich; Voronkov, Nikolai Arsenievich; Raznitsy, Alexei Fedorovich; Ryzhkin, Semen Alexeevich; Kievakin, Alexei Alexeevich; Semenov, Alexandr Efimovich; Ivannikov, Alexandr Stepanovich; Cherednichenko, Vladimir Semenovich; Orlov, Gennady Ivanovich; Naryshkin, Jury Anatolievich; and Novikov, Jury Petrovch, 3,803,335.

Klesper, Hugo: *See*—
Busse, Oswald; and Klesper, Hugo, 3,826,374.

Klessig, Ernest F., to Worthington-Cei, Incorporated. Venturi back pressure controls. 3,830,463, 8-20-74, Cl. 251-124.000.

Klestern Litho Plate & Supply Co.: *See*—
Parker, Edward H.; Harris, Edward M.; and Meador, Jim D., 3,852,256.

Kletecka, George; and Smith, Peter D., to Goodrich, B. F., Company, The. Alkylhydroxyphenylcarboalkoxy-substituted phthalimide. 3,810,912, 5-14-74, Cl. 260-326.00a.

Kletschka, Harold D.: *See*—
Rafferty, Edson H.; and Kletschka, Harold D., 3,807,406.

Kletschka, Harold D.; and Rafferty, Edson H., to Bio-Medicus, Inc. Suture bridges. 3,831,608, 8-27-74, Cl. 128-335.000.

Klett, Stanley D., to Xerox Corporation. Magnetic brush assembly. 3,823,688, 7-16-74, Cl. 118-637.000.

Kleuters, Wilhelm Josef, to U.S. Philips Corporation. Device for supplying fuel to the atomisers of a combustion engine. 3,802,454, 4-9-74, Cl. 137-116.000.

Kleven, Lowell A.: *See*—
Smoot, Charles H.; Kleven, Lowell A.; and Wirth, Gary J., 3,808,977.

Kleven, Lowell A., to Uniflo Systems Company. Pneumatic timer. 3,786,836, 1-22-74, Cl. 137-624.200.

Kleven, Lowell A., to Uniflo Systems Company. Proportional thrust control for levitated vehicles. 3,842,746, 10-22-74, Cl. 104-147.00r.

Klevtsov, Valery Alexeevich: *See*—
Manyafov, Valery Nikolaevich; Busheev, Anatoly Ivanovich; Semenov, Roman Lvovich; and Klevtsov, Valery Alexeevich, 3,784,866.
Manyafov, Valery Nikolaevich; Busheev, Anatoly Ivanovich; Semenov, Roman Lvovich; and Klevtsov, Valery Alexeevich, 3,790,000.

Kleykamp, Donald L.; Gaster, Ivan; Browning, Vernon D.; and Holden, Homer N., to Dayco Corporation. Continuously manufactured flexible conduit. 3,802,991, 4-9-74, Cl. 156-425.000.

KLH Research and Development Corporation: *See*—
Kirkpatrick, Richard A., 3,784,840.

KLI, Inc.: *See*—
Lampman, Russell A.; and Knepshield, William R., 3,834,392.

Klicki, Chester E.: *See*—
Inman, Harold W.; Surletta, Zygmunt M.; and Klicki, Chester E., 3,825,960.
Surletta, Zygmunt M.; Klicki, Chester E.; and Nowack, Robert A., 3,833,948.

Klicki, Chester E., to Lear Siegler, Inc. Box spring assembly. 3,835,485, 9-17-74, Cl. 5-247.000.

Kliegman, Jonathan M., to Union Carbide Corporation. Substituted tetramethoxy derivatives. 3,819,720, 6-25-74, Cl. 260-615.00a.

Kliegman, Jonathan Morris; and Barnes, Robert Keith, to Union Carbide Corporation. Preparation of glycolates. 3,806,539, 4-23-74, Cl. 260-484.00r.

Kliemann, Colonel R., to Kleen Test Products, Inc. Mid-stream urine collector. 3,832,738, 9-3-74, Cl. 4-110.000.

Kliemann, Siegfried; and Vodicka, Vladimir, to Balche-Durr Aktiengesellschaft. Cooling tower. 3,844,344, 10-29-74, Cl. 165-110.000.

Kliever, Waldo H. Method and apparatus for immobilizing a patient and conducting an X-ray examination. 3,783,863, 1-8-74, Cl. 128-134.000.

Klievoneit, Harold R. Method for fabricating a discfile. 3,818,649, 6-25-74, Cl. 51-323.000.

Klievoneit, Harold R. Damage proof discfile for storing magnetically encoded information. 3,821,811, 6-28-74, Cl. 360-98.000.

Klievoneit, Harold R. Radial surface finishing apparatus. 3,845,587, 11-5-74, Cl. 51-118.000.

Kliewer, George G.; Roberts, John H.; and Gee, Glen R., to Minnesota Mining and Manufacturing Company. Thermally responsive cooking indicator. 3,820,499, 6-28-74, Cl. 116-114 500.

Kliger, Howard S.: *See*—
Brown, James E.; Woods, Andrew B.; and Kliger, Howard S., 3,846,797.

Kligman, Albert Montgomery. Skin depigmentation. 3,856,934, 12-24-74, Cl. 424-62.000.

Klimas, George C.: *See*—
Weber, John L.; and Klimas, George C., 3,813,825.

Klimaszewski, Richard A.; and Court, Kenneth, to Sperry Rand Corporation. Power transmission. 3,820,920, 6-28-74, Cl. 417-213.000.

Klimboff, Morris; and Chisholm, James Edwards. Basin element. 3,792,498, 2-19-74, Cl. 4-166.000.

Klimek, Boleslaw, to Berg Mfg. & Sales Co. Modulating application valve. 3,809,441, 5-7-74, Cl. 303-52.000.

Klimek, Boleslaw, to Berg Manufacturing Company, The. Inversion valve. 3,826,283, 7-30-74, Cl. 137-627.500.

Klimek, Norbert Max; and Huber, Manfred Anton, to English Numbering Machines Limited. Magnetic tape recording and/or playback machines. 3,802,649, 4-9-74, Cl. 242-209.000.

Klimek, Norbert Max; and Huber, Manfred Anton, to English Numbering Machines Limited. Spool mount for magnetic tape recording and/or playback machines. 3,844,505, 10-29-74, Cl. 242-206.000.

Kliment, Charles K.: *See*—
Tauman, Harvey; Sklover, Isadore T.; Tauman, Irving; and Kliment, Charles K., 3,808,686.

Kliment, Karel: *See*—
Wichterle, Otto; and Kliment, Karel, 3,825,458.

Kliment, Karel; and Rutherford, John M., Jr., to National Patent Development Corporation. Process of preparing soluble hema based polymers. 3,784,540, 1-8-74, Cl. 260-86.10e.

Klimisch, Richard L., to General Motors Corporation. Method of treating exhaust gases of internal combustion engines. 3,855,389, 12-17-74, Cl. 423-213.500.

Klimkovsky, Bronislav Mecheslavovich: *See*—
Kozhevnikov, Sergei Nikolaevich; Cherevik, Jury Ivanovich; Tkachenko, Arkady Semenovich; Klimkovsky, Bronislav Mecheslavovich; Toloka, Valentin Ivanovich; Malkin, Arkady Semenovich; and Bykov, Yakov Maximovich, 3,810,378.

Klimmer, Winfried: *See*—
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Klimo, Robert G., to Cleveland Machine Controls, Inc. Motor drive control system. 3,790,874, 2-5-74, Cl. 318-327.000.

Klimovsky, Lev Lvovich: *See*—
Dakhov, Mark Illarionovich; Nesterov, Pavel Petrovich; Semkin, Alexei Trofimovich; Alexeeva, Ljudmila Andreevna; Sakhnovsky, Arkady Zinovievich; Skrypnik, Ivan Timofeevich; Klimovsky, Lev Lvovich; and Miroshnichenko, Viktor Alexandrovich, 3,837,152.

Klimstra, Paul D., to Searle, G. D., & Co. Method of inhibiting the growth of larvae and nymphs with azasteroids. 3,836,629, 9-17-74, Cl. 424-238.000.

Kline, Arthur J.: *See*—
United States of America, National Aeronautics and Space Administration, 3,831,117.

Kline, David T.: *See*—
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Kline, Donald D.: *See*—
Porter, William A.; Burough, Irvin G.; and Kline, Donald D., 3,833,305.

Kline, Donald D., to Commercial Electronics, Inc. Television camera aperture correction system. 3,789,133, 1-29-74, Cl. 178-5.40r.

Kline, Gaylen O., to National Machinery Company, The. Power feed and uncoiler for hot forging machines or the like. 3,820,367, 6-28-74, Cl. 72-17.000.

Kline, Granville B.: *See—*
Soper, Quentin F.; and Kline, Granville B., 3,849,110.
Kline, Harlan H.: *See—*
McLaughlin, Hugh T.; and Kline, Harlan H., 3,796,449.
Kline, James D.; Yeh, William C. T.; and Preston, Ulysses A., to Foote Mineral Company. Manganese compositions. 3,793,007, 2-19-74, Cl. 75-134.00m.
Kline, Joseph. Apparatus and method for harvesting forage. 3,818,955, 6-25-74, Cl. 141-12.000.
Kline, Luis; and Silberman, Fernando J. Thread-feeding, tension-regulating device for straight knitting machines. 3,797,279, 3-19-74, Cl. 66-126.00r.
Kline, Norman D.; and Weinschenk, Russell J., to International Business Machines Corporation. Low power dissipation high voltage crystal driver. 3,800,170, 3-26-74, Cl. 310-8.100.
Kline, Richard H.: *See—*
Daniels, Elon, Jr.; and Kline, Richard H., 3,853,626.
Kline, Richard L., to American Air Filter Company, Inc. Electrode support apparatus for electrical precipitators. 3,835,623, 9-17-74, Cl. 55-148.000.
Kline, Robert H.; and Grosser, Christian E., to Peli-Can, Inc. Receptacles for litter and the like. 3,831,838, 8-27-74, Cl. 232-43.200.
Kline, William M., to Medical Evaluation Devices & Instruments Corporation. Use of multi-purpose centrifuge tube in biological analysis. 3,796,542, 3-12-74, Cl. 23-230.00b
Kline, William M., to Medical Evaluation Devices & Instruments Corporation. Centrifuge tube for ultra-violet analysis. 3,838,970, 10-1-74, Cl. 23-230.00b.
Klinecky, Ladislav: *See—*
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Klinecky, Ladislav; and Krmela, Stanislav, to Zbrojovka Vsetin, Narodni podnik and Vyzkumny ustav-Lykovych Vlaken. Method of and apparatus for preparing a weft supply in a magazine for weft insertion in shuttleless looms. 3,799,211, 3-26-74, Cl. 139-122.00.
Klinefelter, Glenn B. Moisture responsive switch actuator. 3,808,385, 4-30-74, Cl. 200-61.040.
Kling, Alberto. Precessor flying craft. 3,838,835, 10-1-74, Cl. 244-23.00c.
Kling, Alfred; and Specht, Viktor, to Benckiser-Knapsack GmbH. Agent for the treatment of cellulosic fiber materials and process. 3,833,517, 9-3-74, Cl. 252-545.000.
Kling, Georg, to Pohlig-Heckel-Bleichert Vereinigte Maschinenfabriken Aktiengesellschaft. Conveyor comprising a plurality of drive means for successively driving a load carrier. 3,812,787, 5-28-74, Cl. 104-96.000.
Kling, John O., Jr. Tubing break-off and finishing tool. 3,803,895, 4-16-74, Cl. 72-324.000.
Klingberg, Anderson William: *See—*
Hellsten, Karl Martin Edvin; and Klingberg, Anderson William, 3,850,834.
Klingelhofer, Friedrich Gerd, to Keiper, Fritz. Seat construction. 3,807,797, 4-30-74, Cl. 297-362.000.
Klingelhofer, Gerd, to Fritz Keiper. Hinge fitting for seats with adjustable backrest, especially automotive vehicle seats. 3,823,440, 7-16-74, Cl. 16-139.000.
Klingen, Heinrich, to Jagenbert-Werke AG. Method and apparatus for slitting materials such as aluminum or the like. 3,828,633, 8-13-74, Cl. 83-56.000.
Klingensmith, James D.; and Latkey, George J., to Aluminum Company of America. Connecting bracket for building structure. 3,831,338, 8-27-74, Cl. 52-752.000.
Klinger AG: *See—*
Bonetti, Giulio, 3,817,205.
Huber, Richard; and Wirz, Peter, 3,794,295.
Klinger, Dieter, to Mayer & Cie Maschinenfabrik. Apparatus for removing inserts from an electrically insulating strip. 3,832,765, 9-3-74, Cl. 29-203.00b.
Klinger, Friedrich; and Brezina, Jan, to Schenck, Carl, Maschinenfabrik GmbH. Torsion test stand. 3,796,092, 3-12-74, Cl. 73-99.000.
Klinger, Friedrich, to Schenck, Carl, Maschinenfabrik GmbH, Firma. Torque load applying testing apparatus. 3,797,304, 3-19-74, Cl. 73-99.000.
Klinger, Friedrich; and Ross, Rolf, to Schenck, Carl, Maschinenfabrik GmbH., Firma. Testing apparatus and respective control circuit. 3,821,893, 7-2-74, Cl. 73-118.000.
Klinger, Isaac: *See—*
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Friedman, Mitchell; Kamentsky, Louis A.; and Klinger, Isaac, 3,788,744.
Kamentsky, Louis A.; and Klinger, Isaac, 3,827,555.
Klinger, Josef F.; and Terrill, John Mark, to Termex, Inc. Thermometer readout means. 3,855,866, 12-24-74, Cl. 73-372.000.
Klinger, Karl-Heinz, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Hydroxyphenyl hydroxyethylaminoalkyl theophyllines. 3,855,221, 12-17-74, Cl. 260-256.000.
Klinger, Kurt: *See—*
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Klingf, Rolf: *See—*
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Klingler, Karl Heinz, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Substituted aminoalkyl guanidines. 3,821,301, 6-28-74, Cl. 260-564.00a.
Klingspor, Christian Staffansson, to Aktiebolaget Electrolux. Cord-winding structure for mobile electrical appliance. 3,813,054, 5-28-74, Cl. 242-86.50r.
Klingstrom, Emil Allan; and Johansson, Sten Martin. Testing device for use when making bacteriological test. 3,819,490, 6-25-74, Cl. 195-127.000.
Klinischar, Gerfried: *See—*
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Klink, Gunter: *See—*
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Klink, Jerome P.: *See—*
Thumm, J. Randall; Roberson, Cletis L.; and Klink, Jerome P., 3,819,344.
Klink, Jerome P.; Lyle, Phra D.; and Griffith, Terry L., to Owens-Corning Fiberglas Corporation. Apparatus for winding textile material. 3,788,826, 1-29-74, Cl. 65-11.00w.
Klink, Jerome P.; Lyle, Phra D.; Shape, Norman R.; and Symborski, Alex P., to Owens-Corning Fiberglas Corporation. Apparatus for winding thermoplastic strands. 3,810,742, 5-14-74, Cl. 65-11.00w.
Klink, Jerome P.; Symborski, Alex P.; and Varrasso, Eugene C., to Owens-Corning Fiberglas Corporation. Apparatus for packaging linear material. 3,838,827, 10-1-74, Cl. 242-18.00g.
Klink, Walter. Prime mover of the radial engine type. 3,820,445, 6-28-74, Cl. 91-481.000.
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Barrett, Donald Dean; Whalen, Kenneth R.; Nichols, Charles; Knapp, Robert G.; Wickum, Jay A.; and Moust, Daniel A., 3,789,846.

Knapp, Robert L.: *See*—
Acton, Hugh C.; Knapp, Robert L.; Van Ryn, Arthur L.; and Hozeski, Kenneth W., 3,847,433.

Knapp, Wallace C. Reciprocating tool with balanced dual air cylinders. 3,820,440, 6-28-74, Cl. 91-40.000.

Knapp, Walter: *See*—
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Rivkowich, Harold; Rehman, Warren C.; Knapp, William; and Borders, Bert, 3,809,769.

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Kniepkamp, Alberto E.; and Wangard, William, to Chicago Musical Instrument Co. Musical instrument having automatic arpeggio system. 3,842,184, 10-15-74, Cl. 84-1.010.
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Kniff, Thomas J.; and McKenry, Robert J., to Kennametal Inc. Auger arrangement. 3,821,993, 7-2-74, Cl. 175-292.000.
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Knifton, John F., to Texaco Inc. Process for preparing linear fatty acids by carboxylation of olefins. 3,819,669, 6-25-74, Cl. 260-410.90r.
Knifton, John F.; and Schwager, Irving, to Texaco Inc. Process for preparing ketones. 3,821,309, 6-28-74, Cl. 260-586.00r.
Knifton, John F.; and Suggitt, Robert M., to Texaco Inc. Homogeneous catalysts useful in the reduction of nitroaromatics to amines. 3,832,401, 8-27-74, Cl. 260-570.80r.
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Knight, James W., to CPC International Inc., mesne. Method of upgrading starch-containing crude gluten. 3,782,964, 1-1-74, Cl. 426-364.000.
Knight, Jesse R. Chain wrench. 3,805,646, 4-23-74, Cl. 81-69.000.
Knight, John W., to Knight Motor Corporation. Refuse collecting and dispensing vehicle. 3,809,267, 5-7-74, Cl. 214-508.000.
Knight, John W., IV; and Savage, Carl M., Jr., to General Motors Corporation. Occupant restraint system. 3,801,126, 4-2-74, Cl. 280-150.0ab.
Knight, John W., IV; Libkie, Herbert A.; Parr, Ben C.; and Savage, Carl M., Jr., to General Motors Corporation. Occupant restraint system. 3,817,552, 6-18-74, Cl. 280-150.0ab.
Knight, Lindsay Charles; Finch, Colin Maxwell; Walden, Noel Harry Fred; and Racz, George, to Australasian Training Aids Proprietary Limited. Indicating the passing of a projectile through an area in space. 3,788,748, 1-29-74, Cl. 356-141.000.
Knight, Lloyd K., to Galion, Jeffrey, Inc. Feeding mechanism for reduction apparatus. 3,825,192, 7-23-74, Cl. 241-186.00r.
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Knight, Richard Langham Castle; and O'Blenes, George H. Apparatus for measuring the hardness of material. 3,822,588, 7-9-74, Cl. 73-81.000.
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Knisely, George L., Jr. Shuttlecock and launching apparatus including lengthening coupler. 3,797,472, 3-19-74, Cl. 124-5.000.
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Knize, Elmer J., to Lippy Can Co., Ltd. Can or container and the lid therefor. 3,799,388, 3-26-74, Cl. 220-42.00c.
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Knobloch, James O., to Standard Oil Company. Preparation of tetrachloroterephthaloyl chloride from chlorination of terephthaloyl chloride or terephtalic acid in a solution of chlorosulfnic acid. 3,833,652, 9-3-74, Cl. 260-544.00m.
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Knoche, Hubert, to Entreprise de Recherches et d'Activites Petrolieres (ELF). Method of dismutation of olefins, catalyst employed and products obtained. 3,855,340, 12-17-74, Cl. 260-683.00d.
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Aldinger, Ulrich; Kersten, Gunter; and Knodel, Emil, 3,828,653
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Knoerle, Harold M.: *See*—
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Knohl, Friedrich K., to Illinois Tool Works Inc. Concrete insert 3,834,103, 9-10-74, Cl. 52-372.000.

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Knol, Willem. Method and apparatus for determining the quanity of a bulk material deposited on a conveyor. 3,834,474, 9-10-74, Cl. 177-1.000.
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Bub, Oskar; Friedrich, Ludwig; Hofmann, Hans-Peter; Kreiskott, Horst; and Zimmermann, Frank, 3,847,905.
Kraft, Helmut; Zimmermann, Frank; and Hofmann, Hans-Peter, 3,812,258.
Raschack, Manfred; and Bub, Oskar, 3,849,570.
Knoll, Glenn F., to United States of America, Atomic Energy Commission. Apparatus for measuring radioactivity in the human eye. 3,827,427, 8-6-74, Cl. 128-2.00a.
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Knop, Frederick J. Massage type of portable vibrator. 3,799,154, 3-26-74, Cl. 128-36.000.
Knopf, Kenneth K. Automobile signalling system. 3,787,808, 1-22-74, Cl. 340-66.000.
Knopf, Robert John; and Hoy, Kenneth Look, to Union Carbide Corporation. Method for producing condensation polymers. 3,839,293, 10-1-74, Cl. 260-77.5aa.
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Knothe, Erich E. K.; and Melcher, Franz-Josef, to Sartorius-Werke GmbH. Optical null-type indicator suitable for a balance. 3,805,907, 4-23-74, Cl. 177-210.000.
Knott, Allan William. Tool posts. 3,815,454, 6-11-74, Cl. 82-36.00r.
Knott, Edward B.: *See—*
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Knott, James M., to Coatings Engineering Corporation. Method and apparatus for packaging wire mesh material. 3,812,640, 5-28-74, Cl. 53-14.000.
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Knowles, Donald G. Tow hitch. 3,784,231, 1-8-74, Cl. 280-502.000.
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Knowles, James; and Stockton, Thomas R., to Ford Motor Company. Air conditioner compressor. 3,817,660, 6-18-74, Cl. 417-269.000.
Knowles, Malcolm Frederick William. Heat treatment furnace. 3,830,479, 8-20-74, Cl. 266-5.00r.
Knowles, Peter M., to Beakbane, Henry, (Fortox) Limited. Corrugated covers for reciprocating machinery parts. 3,788,377, 1-29-74, Cl. 160-84.00r.
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Knowles, Richard N., to Du Pont de Nemours, E. I., and Company. Flame resistant polymers containing amide complexes of metal salts. 3,804,800, 4-16-74, Cl. 260-45.75r.
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Knowles, Susan: *See—*
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Knowles, William Ralph, to Image Analysing Computers Limited. Image analysis. 3,813,486, 5-28-74, Cl. 178-7.100.
Knowles, William S.; and Sahft, Abdou-Sabet, to Monsanto Company. Process for recovering sulfur dioxide from gases using aqueous salt solution of glutaric acid. 3,798,309, 3-19-74, Cl. 423-243.000.
Knowles, William S.; and Sabacky, M. Jerome, to Monsanto Company. Catalytic asymmetric hydrogenation. 3,849,480, 11-19-74, Cl. 260-490.000.
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Knox, George P.; and Cutler, Gene C. Dehydrogenation of alkylated aromatic hydrocarbons. 3,801,663, 4-2-74, Cl. 260-669.00r.
Knox, George P., to Dow Chemical Company, The. Apparatus for dispersing effluent gas into the atmosphere. 3,841,208, 10-15-74, Cl. 98-58.000.
Knox, Harold L., to Detroit Stoker Company. Conveyor system. 3,819,211, 6-25-74, Cl. 285-336.000.
Knox, James D., to General Electric Company. S-corrected vertical deflection circuit. 3,842,311, 10-15-74, Cl. 315-27.0td.
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Knox, John A.; and Lasater, Reginald M., to Halliburton Company. Treatment of sandstone formations. 3,794,117, 2-26-74, Cl. 166-307.000.
Knox, John A.; Smith, John A.; and Stout, Roy F.; deceased (by Dixon, Richard E.; executor), to Halliburton Company. Composition and method for removing copper containing scales from metals. 3,803,042, 4-9-74, Cl. 252-180.000.
Knox, John A.; and Fredrickson, Sherman E., to Halliburton Company. Method of fracture acidizing a well formation. 3,842,911, 10-22-74, Cl. 166-307.000.
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Knox, William A.; and Parker, Marion L., to Western Geophysical Company of America. Portable seismic tool. 3,792,752, 2-19-74, Cl. 181-.5vc.
Knudsen, Knaud L.: *See—*
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Knudsen, Ole Friis, to Danfoss A/S. Direct current converter for isolating a measuring transducer from its power source. 3,854,091, 12-10-74, Cl. 324-118.000.
Knudson, Gary A. Method and apparatus for forming multiple panel shapes. 3,791,185, 2-12-74, Cl. 72-181.000.
Knudson, Gary A. Method and apparatus for making building panels. 3,842,647, 10-22-74, Cl. 72-377.000.
Knudson, Glenn C. Bean thinning and cutting device. 3,857,225, 12-31-74, Cl. 56-13.600.
Knudson, Robert F., to McGraw-Edison Company. Humidifier drum construction. 3,796,416, 3-12-74, Cl. 261-92.000.
Knufer, Heinrich: *See—*
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Knuppel, Helmut; Brotzmann, Karl; and Fassbinder, Hans Georg, to Eisenwerk-Gesellschaft Maximilianshutte m.b.H. Process for producing chrome steels and a converter for carrying out the process. 3,796,421, 3-12-74, Cl. 266-35.000.
Knuppel, Helmut; Brotzmann, Karl; and Fassbinder, Hans George, to Eisenwerk-Gesellschaft Maximilianshutte m.b.H. Tuyere for introducing oxygen and a protective medium into converter vessels. 3,811,386, 5-21-74, Cl. 110-182.500.
Knuppel, Helmut; Brotzmann, Karl; and Fassbinder, Hans Georg. Process and a device for even distribution and alternating supply of liquid and gaseous protective media for the refining gas tuyeres of a converter. 3,851,866, 12-3-74, Cl. 266-41.000.
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Knutsen, Tryggve Lund; and Osterman, Sven-Olof, to Astra Nutrition Aktiebolag. Process for preparing fish protein using propanol or butanol. 3,852,260, 12-3-74, Cl. 260-112.00r.
Knutson, Dale A., to Applied Power Industries, Inc. Pressure-compensated hand pump. 3,792,747, 2-19-74, Cl. 180-89.00a.
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Knutson, Orlie E.; Gernandt, Louis E.; and Charmoli, Arthur J., to Armour and Company. System for packing food patties. 3,783,577, 1-8-74, Cl. 53-24.000.
Knutsson, Ake. Countersink assembly. 3,794,438, 2-26-74, Cl. 408-231.000.
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Knyszek, Edward P.; and Runci, Joseph O., to General Motors Corporation. Mudflap assembly for a rear dump vehicle. 3,806,197, 4-23-74, Cl. 298-1.0sg.
Knyszel, Edward P.; and Runci, Joseph O., to General Motors Corporation. Mudflap for a rear dump vehicle. 3,802,739, 4-9-74, Cl. 298-1.0sg.
Ko An, Inc.: *See—*
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Ko, Kenneth. Dust collector and safety guard. 3,837,383, 9-24-74, Cl. 144-251.00a.
Ko, Wen H.; Knodel, James R.; and Hung, Chih Piao, to North American Manufacturing Company. Fuel-air ratio controller. 3,828,237, 8-6-74, Cl. 318-619.000
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Koa Soap Co., Ltd.: *See—*
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Kobashi, Rikiya; Nakamura, Tomohiko; and Itoi, Mikio, to Onkyo Kabushiki Kaisha. Record player. 3,804,422, 4-16-74, Cl. 274-15.00r.
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Kobashi, Toshiyuki; and Abe, Noboru, to American Cyanamid Company. Process for producing porous acrylic fibers. 3,839,520, 10-1-74, Cl. 264-50.000.
Kobashi, Uichiro, to Aisin Seiki Kabushiki Kaisha. Hydraulic brake booster. 3,786,636, 1-22-74, Cl. 60-548.000.
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Kobayashi, Akira: *See—*
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Kobayashi, Akira, to Aisin Seiki Kabushiki Kaisha. Vane-type rotary engine. 3,782,110, 1-1-74, Cl. 60-39.430
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Kobayashi, Fumiaki: *See*—
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Kobayashi, Hajime: *See*—
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Kobayashi, Heitaro. Ventilated seat-and-backrest structure for placement on existing seat. 3,804,462, 4-16-74, Cl. 297-453.000.

Kobayashi, Herbert S., to United States of America, National Aeronautics and Space Administration. Pulse code modulated signal synchronizer. 3,800,227, 3-26-74, Cl. 325-320.000.

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Kobayashi, Hidehiko; and Sasaguri, Kiichiro, to Asahi Kasei Kogyo Kabushiki Kaisha. Film of polyethylene-1,2-diphenoxy-ethane-4,4'-dicarboxylate copolymer. 3,816,368, 6-11-74, Cl. 260-47.00c.

Kobayashi, Hideo: *See*—
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Kobayashi, Hidetaka, to Aikoh Co., Ltd. Molding for use in steel ingot making by bottom pouring and method of making steel ingot. 3,810,506, 5-14-74, Cl. 164-13.00b.

Kobayashi, Hideyoshi, to Kabushiki Kaisha Komatsu Seisakusho. Safety device for detecting water level in a water tight chamber of an amphibian bulldozer. 3,811,793, 5-21-74, Cl. 417-40.000.

Kobayashi, Hiromasa; Oguchi, Yuzo; and Nakata, Kazuhiko, to Kabushiki Kaisha Sankyo Seiki Seisakusho. Magnetic card reader-recorder. 3,825,950, 7-23-74, Cl. 360-109.000.

Kobayashi, Hiroshi: *See*—
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Kobayashi, Hiroshi; and Okada, Goro, to Babcock-Hitachi. Clinker cooling equipment and method. 3,836,321, 9-17-74, Cl. 432-15.000.

Kobayashi, Hirotsugi; Nishikawa, Takehiko; Ito, Shinya; and Ibuka, Yasuhiko, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Switches mounting means for use in a motor-vehicle. 3,857,454, 12-31-74, Cl. 180-78.000.

Kobayashi, Hiroyuki, to Matsushita Electric Industrial Company Limited. Apparatus for deposition of semiconductor thin layers. 3,854,447, 12-17-74, Cl. 118-421.000.

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Kobayashi, Hisamine, to Shikishima Tipton Mfg. Co., Ltd. Automatic centrifugal barrel finishing apparatus. 3,823,512, 7-16-74, Cl. 51-164.000.

Kobayashi, Hisamine, to Shikishima Tipton Mfg., Co., Ltd. Centrifugal barrel finishing apparatus having tiltable tubs. 3,855,740, 12-24-74, Cl. 51-164.000.

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Kobayashi, Hisashi: *See*—
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Kobayashi, Ikuya, to Toyota Jidosha Kogyo Kabushiki Kaisha. Operation indicating device for hydraulic brake system. 3,828,308, 8-6-74, Cl. 340-52.00c.

Kobayashi, Ikuya; Noba, Motoi; and Fujimoto, Kiroaki, to Toyota Jidosha Kogyo Kabushiki Kaisha. Operation indicating device for hydraulic brake system. 3,843,892, 10-22-74, Cl. 307-10.00r.

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Kobayashi, Katsumi; Takeda, Reiji; and Sato, Kimiaki, to Nippon Tensai Seito Kabushiki Kaisha. Apparatus for producing paper cylinders for nursing seedlings. 3,837,263, 9-24-74, Cl. 93-1.00h.

Kobayashi, Katsuomi, to Ricoh Co., Ltd. Recording sheet for electrostatic photoprinting. 3,840,399, 10-8-74, Cl. 117-218.000.

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Kobayashi, Kazuo; and Ogawara, Shoichi, to Sukegawa Electric Co., Ltd. Level gauge of liquid metal. 3,834,234, 9-10-74, Cl. 73-290.00r.

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Kobayashi, Kengo; and Kato, Yoshiaki, to Fujitsu Limited and Fujitsu Fanuc Limited. Pulse interpolation systems. 3,794,900, 2-26-74, Cl. 318-603.000.

Kobayashi, Kengo; and Manabe, Mitsuo, to Fujitsu Limited. System for driving an electric pulse motor having duty cycle control of winding excitation signals. 3,795,854, 3-5-74, Cl. 318-696.000.

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Kobayashi, Kengo; Manabe, Mitsuo; and Isobe, Shinichi, to Fujitsu Limited. Numerical control system. 3,825,731, 7-23-74, Cl. 235-151.110.

Kobayashi, Kengo; and Manabe, Mitsuo, to Fujitsu Limited. Numerically controlled machine tool including backlash elimination. 3,828,238, 8-6-74, Cl. 318-630.000.

Kobayashi, Kengo; and Manabe, Mitsuo. Motor speed acceleration-deceleration control circuit. 3,838,325, 9-24-74, Cl. 318-415.000.

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Kobayashi, Masayoshi; Ohtani, Yoshio; and Abe, Mitsunobu, to Diesel Kiki Kabushiki Kaisha. Distributor-type fuel injection pump for internal combustion engines. 3,797,469, 3-19-74, Cl. 123-139.00e.

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Kobayashi, Sanzo. Container having magnetic and latch fastening means. 3,831,986, 8-27-74, Cl. 292-201.000.

Kobayashi, Sanzo. Case having magnetic lock means. 3,837,525, 9-24-74, Cl. 220-55.00k.

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Kobayashi, Seihin; and Torii, Michihiro, to Fuji Denki Kagaku Kabushiki Kaisha. Magnetic thin film plated wire memory. 3,824,566, 7-16-74, Cl. 340-174.0pw.

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Kobelt, Jack R. Multiple-station fluid control circuit. 3,795,110, 3-5-74, Cl. 60-413.000.

Kobelt, Jack R. Self-adjusting linear actuator. 3,815,471, 6-11-74, Cl. 91-189.000.

Kobelt, Jack R. Time-delay cam. 3,818,771, 6-25-74, Cl. 74-99.000.

Kobelt, Jack R. Neutral time-delay fluid control circuit. 3,820,438, 6-28-74, Cl. 91-36.000.

Kobelt, Jack R. Engine load control. 3,826,590, 7-30-74, Cl. 416-27.000.

Kobelt, Jack R. Vehicle disk brake. 3,837,420, 9-24-74, Cl. 188-71.600.

Kobelt, Jack R. Double-acting positioning linear actuator. 3,838,630, 10-1-74, Cl. 92-48.000.

Kober AG: *See*—
Koester, Waldemar; and Huber, Reinhold, 3,782,788.
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Kober, Drago, to Liquid Gas Anlagen Union GmbH. System for use with storage tanks for receiving, delivery or retaining liquified gas. 3,809,153, 5-7-74, Cl. 165-62.000.

Kober, Frederick P., to Chem-E-Watt Corporation, mesne. Self contained electrochemical heat source. 3,851,654, 12-3-74, Cl. 132-33.000.

Kober, Leslie Z.; and Bailey, Maurice C., to LogEtronics Inc. Treadle-actuated closures. 3,815,656, 6-11-74, Cl. 160-123.000.

Koberlein, James H.: *See*—
Towson, Glendon D.; and Koberlein, James H., 3,827,027.

Kobernick, Sidney David, to Devco, Inc. Tissue staining and processing machine. 3,807,353, 4-30-74, Cl. 118-5.000.

Kobernus, William D., to Grayhill, Inc. Push button switch. 3,818,169, 6-18-74, Cl. 200-159.00a.

Koberstein, Edgar; and Lakatos, Eduard, to Laporte Industries, Limited and Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Catalyst for purification of exhaust gases from motor vehicles and industrial plants. 3,787,322, 1-22-74, Cl. 252-465.000.

Koberstein, Edgar; and Muller, Klaus-Peter, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of a catalyst for oxidation of ammonia. 3,850,851, 11-26-74, Cl. 252-474.000.

Kobeski, Walter D.: *See*—
Lange, Robert G.; and Kobeski, Walter D., 3,847,635.

Kobetz, Paul: *See*—
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Frey, Frederick W., Jr.; and Kobetz, Paul, 3,816,607.
Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., 3,812,195.
Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., 3,830,906.
Mitchell, Lawrence C.; Kobetz, Paul; and Burns, William, 3,796,736.
Shepherd, Lawrence H., Jr.; Kobetz, Paul; Laran, Roy J.; and Johnson, Robert W., Jr., 3,847,998.

Kobetz, Paul; and Niebylaski, Leonard M., to Ethyl Corporation. Crystalline beryllium hydride. 3,784,423, 1-8-74, Cl. 149-109.000.

Kobetz, Paul; and Lindsay, Kenneth L., to Ethyl Corporation. Reactions of alkyl sultones with halide salts in aqueous systems. 3,829,471, 8-13-74, Cl. 260-513.00r.

Kobetz, Paul; Laran, Roy J.; and Johnson, Robert W. Jr., to Ethyl Corporation. Process for the manufacture of beryllium hydride. 3,832,456, 8-27-74, Cl. 423-645.000.

Kobey, James M.: *See*—
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Kobilka, Gary W., to Minnesota Mining and Manufacturing Company, mesne. Two-stage contact duplication of magnetic signals utilizing a metal-backed intermediate. 3,827,077, 7-30-74, Cl. 360-16.000.

Kobinger, Walter: *See*—
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Koblanski, John N. Electric toothbrush. 3,829,922, 8-20-74, Cl. 15-23.000.

Koble, Robert L., Jr.; and Goettl, John M. Pool-cleaning apparatus. 3,794,052, 2-26-74, Cl. 134-167.00r.

Kobler, Paul. Tampons. 3,814,099, 6-4-74, Cl. 128-285.000.

Kobler, Ulrich; and Schroder, Harry, to Siemens Aktiengesellschaft. Insulating means for an electromagnetic relay. 3,839,690, 10-1-74, Cl. 335-278.000.

Koblet, Jack R. Remote rotary control. 3,783,742, 1-8-74, Cl. 91-413.000.

Koblick, Sol N.: *See*—

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Koblo, Jochen, to Kelle Aktiengesellschaft. Apparatus for moving substances. 3,822,865, 7-9-74, Cl. 259-72.000.

Koboldt, Melvin A.; deceased (by Koboldt, Norma L.; executrix; Ruf, Ellsworth J.; and Kennedy, Anthony W.), to Container Corporation of America. Beaded closure for containers. 3,837,523, 9-24-74, Cl. 220-27.000.

Koboldt, Norma L.: *See*—
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Kobori, Toshio; and Ohba, Masaru, to Minolta Camera Kabushiki Kaisha. Switching apparatus for electric shutter mechanisms. 3,791,277, 2-12-74, Cl. 95-42.000.

Kobori, Toshio, to Minolta Camera Kabushiki Kaisha. Camera having an electric shutter. 3,821,757, 6-28-74, Cl. 354-5.000.

Kobori, Toshio; and Ohba, Masaru, to Minolta Camera Kabushiki Kaisha. Exposure control system for a single lens reflex camera. 3,833,912, 9-3-74, Cl. 354-24.000

Kobosko, Anna: *See*—
Kycia, Henryk; Chmielewska, Danuta; Rolak, Hanna; Michno, Zbigniew; Zaniuk, Jan; Surgiewicz, Janusz; Stefaniak, Ferdynand; Lenkowski, Przemyslaw; and Kobosko, Anna, 3,813,415.

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Kobota, Isamu; and Miki, Yukio, to Minolta Camera Kabushiki Kaisha. Motion picture camera. 3,820,883, 6-28-74, Cl. 352-91.00s.

Kobulia, Georgy Samsonovich: *See*—
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Kobylar, Alex W.: *See*—
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Kobylinski, Maddeus P.; and Taylor, Brian W., to Gulf Research & Development Company. Process for coating refractory oxides. 3,840,389, 10-8-74, Cl. 117-62.000.

Kobylinski, Tadeusz P.; and Taylor, Brian W., to Gulf Research & Development Company. Process for reducing the content of nitrogen oxides in the exhaust gases from internal combustion engines. 3,784,675, 1-8-74, Cl. 423-213.500.

Kobylinski, Tadeusz P.; and Taylor, Brian W., to Gulf Research & Development Company. Process for reducing the content of nitrogen oxides in the exhaust gases from internal combustion engines. 3,816,594, 6-11-74, Cl. 432-213.500.

Kobylinski, Tadeusz P.; and Taylor, Brian W., to Gulf Research & Development Company. Process for reducing the content of nitrogen oxides in the exhaust gases from enternal combustion engines. 3,825,654, 7-23-74, Cl. 423-213.700.

Kobylinski, Thaddeus P.; and Taylor, Brian W., to Gulf Research & Development Company. Process for reducing the content of nitrogen oxides in the exhaust gases from internal combustion engines. 3,801,697, 4-2-74, Cl. 423-213.700.

Kobzina, John W., to Chevron Research Company. Substituted triazines. 3,819,626, 6-25-74, Cl. 260-249.800.

Kobzina, John W.; Moore, Joseph F.; and Kohn, Gustave K., to Chevron Research Company. Herbicidal N'-aryl-N-chlorocycloalkylthio ureas. 3,826,644, 7-30-74, Cl. 71-98.000.

Kocache, Riad M.A.; and Holman, Danny F., to Sybron Corporation. Gas testing apparatus of the magnetic susceptibility type utilizing a gloss coated filament support fused to the test body. 3,826,974, 7-30-74, Cl. 324-36.000.

Koceich, Mark J.; and Chirash, William, to Colgate-Palmolive Company. Scouring cleanser composition. 3,850,833, 11-26-74, Cl. 252-99.000.

Koch, Byron W., to NL Industries, Inc. Postal box. 3,784,089, 1-8-74, Cl. 232-24.000.

Koch, Carl, to Sinar AG Schaffhausen. Photographic focusing screen camera. 3,825,938, 7-23-74, Cl. 354-160.000.

Koch, Carl C.; and Love, Gordon Ross, to United States of America, Atomic Energy Commission. Superconductor. 3,805,119, 4-16-74, Cl. 317-123.000.

Koch, Christian, to Siemens Aktiengesellschaft. Apparatus for obtaining hydrogen. 3,798,005, 3-19-74, Cl. 23-288.00r.

Koch, Christian, to Siemens Aktiengesellschaft. Method and apparatus for flameless combustion of gaseous or vaporous fuel-air mixtures. 3,810,732, 5-14-74, Cl. 431-7.000.

Koch, Christian, to Siemens Aktiengesellschaft. Method and apparatus for operating combustion engines. 3,828,736, 8-13-74, Cl. 123-3.000.

Koch, Christian, to Siemens Aktiengesellschaft. Cyclone. 3,850,816, 11-26-74, Cl. 210-512.000.

Koch, Christian, to Siemens Aktiengesellschaft. Liquid vaporizer. 3,855,372, 12-17-74, Cl. 261-131.000.

Koch, Christian, to Siemens Aktiengesellschaft. Flameless catalytic combustion of hydrocarbon in porous sintered stones. 3,857,668, 12-31-74, Cl. 431-328.000.

Koch, Edgar F.: *See*—
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Koch, Edwin: *See*—
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Koch, Edwin; and Koch, William. Depth micrometer. 3,821,854, 7-2-74, Cl. 33-169.00b.

Koch, Fenton C., to High Temperature Systems, Inc. Molten metal pumps. 3,836,280, 9-17-74, Cl. 415-175.000.

Koch, Friedrich; and Zeug, Hubert, to Desma-Werke GmbH. Die casting machine. 3,790,136, 2-5-74, Cl. 259-192.000.

Koch, Friedrich; and Paulsen, Harke Claus, to Desma-Werke G.m.b.H. Two part mold closure and clamping system. 3,840,317, 10-8-74, Cl. 425-450.000.

Koch, Friedrich-Karl; and Rahn, Oskar, to Peltzer & Ehlers. Workpiece conveyor for multistage press. 3,809,255, 5-7-74, Cl. 214-1.0bd.

Koch, Friedrich-Karl; and Rahn, Oskar, to Peltzer & Ehlers. Variable stroke ejector mechanism. 3,820,376, 6-28-74, Cl. 72-427.000

Koch, Gary L.: *See*—
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Koch, George B. Alphabet block display and toy. 3,822,487, 7-9-74, Cl. 35-35.00j.

Koch, George R.; and Petersen, Carl T., to Etec Corporation. Method and apparatus for sem specimen coating and transfer 3,858,049, 12-31-74, Cl. 250-441.000.

Koch, Gilbert E.: *See*—
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Koch, Hans-Joachim: *See*—
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Koch, James Allan; and Henderson, Donald Leroy, to Deere & Company. Multi-load tractor hitch system. 3,791,454, 2-12-74, Cl. 172-7.000.

Koch, James Allan, to Deere & Company. Tractor hitch system including a vertically swingable drawer powered by a draft line actuator. 3,791,456, 2-12-74, Cl. 172-450.000.

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Koch, James Allan, to Deere & Company. Combined draft hook operating and draft sensing. 3,834,738, 9-10-74, Cl. 280-504.000

Koch, Josef: *See*—
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Koch, Paul J.; O'Brien, John B.; Stone, Herman; and Tetenbaum, Marvin T., to Allied Chemical Corporation. Flame retardant nylon compositions. 3,793,289, 2-19-74, Cl. 260-45.80n.

Koch, Reinhard. Zinc electroplating bath having low cyanide content. 3,806,431, 4-23-74, Cl. 204-55.00y

Koch, Reinhard, to Elektro-Plating Patent Holding S.A. Acidic zinc electroplating bath. 3,838,026, 9-24-74, Cl. 204-55.00r

Koch, Reinhard. Alkaline cyanide free zinc electroplating bath 3,840,444, 10-8-74, Cl. 204-5.00r.

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Koch, Richard F. Signal compression and expansion apparatus with means for preserving or varying pitch. 3,816,664, 6-11-74, Cl. 179-15.55t.
Koch, Robert E.: *See—*
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Koch, Robert E., to General Electric Company. Current limiting fuse having improved low current interrupting capability. 3,813,627, 5-28-74, Cl. 337-274.000.
Koch, Roland G., to Houdaille Industries, Inc. Tool holder with spring operated nut. 3,829,109, 8-13-74, Cl. 279-91.000.
Koch, Rolf Eckard: *See—*
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Koch, Wilhelm: *See—*
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Kocher, Erich J., to Vilter Manufacturing Corporation. Gas compressor having rolling type sealing diaphragm. 3,789,675, 2-5-74, Cl. 74-18.200.
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Kocsis, Joseph; and Polata, Bohumil, to Signetics Corporation. High voltage bipolar semiconductor device and integrated circuit using the same and method. 3,836,998, 9-17-74, Cl. 357-53.000.
Kocsis, Laszlo, to Transelektro Magyar Villamossagi Kulkereskedelmi Vallalat. Tubular core electric transformer. 3,835,430, 9-10-74, Cl. 336-83.000.
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Koda, Nobuo J.; and Ebert, John S., to Hughes Aircraft Company. Operationally rugged direct view storage tube. 3,794,871, 2-26-74, Cl. 313-68.00r.
Koda, Nobuo J.; and Lipton, Lewis T., to Hughes Aircraft Company. Liquid crystal display panel. 3,824,003, 7-16-74, Cl. 350-160.20c.
Kodaira, Nobuhisa; and Kusunose, Mikio. Automatic temperature regulating device for use with apparatuses for heat treatment of synthetic yarn. 3,833,792, 9-3-74, Cl. 219-388.000.
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Koebel, Alan D., Jr., to Hulet, James L. Portable stake remover. 3,815,875, 6-11-74, Cl. 254-132.000.
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Koeblitz, William E., to Gould Inc. Pulsed droplet ejecting system. 3,828,357, 8-6-74, Cl. 346-140.000.
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Koehler, Carlton L. Underwater wet cell battery case. 3,791,875, 2-12-74, Cl. 136-173.000.
Koehler, Carlton L. Expansive gas protective device. 3,817,299, 6-18-74, Cl. 141-82.000.
Koehler, Carlton L. Combination head and case mounted light. 3,852,587, 12-3-74, Cl. 240-60.000.
Koehler, Dale R., to Bulova Watch Company, Inc. Incrementally-adjustable regulator for nuclear pulse generator. 3,829,697, 8-13-74, Cl. 250-370.000.
Koehler, Georg. Drum winch. 3,799,005, 3-26-74, Cl. 74-812.000.
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Koenig, Karl-Heinz; Kolbinger, Rudolf; and Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Substituted m-trifluoromethylphenylurea derivatives. 3,847,971, 11-12-74, Cl. 260-490.000.
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Koenig, Martin F.; Dempsey, George A., Jr.; and Issa, Manuel; deceased (by Sheedy, Patrick T.; administrator), to Cutler-Hammer, Inc. Single-bolt joint for feeder and plug-in bus ducts. 3,786,394, 1-15-74, Cl. 339-22.00b.
Koenig, Martin F.; and Issa, Manuel, deceased (by, Sheedy, Patrick T., administrator), to Cutler-Hammer Inc. Phase collector assembly for multiple run busway. 3,818,417, 6-18-74, Cl. 339-22.00b.
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Koenig, Rolf; and Hemesath, Gerhard, to Hazemag Hartzerkleinerungs und Zement-Maschinenbau Gesellschaft m.b.H. Rotor for use in impact crushers. 3,784,117, 1-8-74, Cl. 241-191.000.
Koenig, Walter; and Adams, Heribert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Draft vehicle and hitch structure for connecting the vehicle to an implement. 3,841,415, 10-15-74, Cl. 172-439.000.
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Koepp, Ronald L.; and Dudkowski, Stanley J., to National Cash Register Company, The. Processing apparatus. 3,823,685, 7-16-74, Cl. 118-49.000.
Koeppe, Douglas F. Stabilized fire hose nozzle. 3,804,336, 4-16-74, Cl. 239-383.000.
Koeppe, Douglas F. Keyboards. 3,831,730, 8-27-74, Cl. 197-98.000.
Koeppen, Rudolf, to International Harvester Company. Automotive vehicle particularly self-propelled working machine or farm tractor. 3,805,909, 4-23-74, Cl. 180-69.00c.
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Koh-I-Noor Rapidograph, Inc., mesne: *See—*
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Lorenz, Ewald; Schlink, Wilhelm; Kunzler, Bruno; and Goltermann, Klaus-Dieter, 3,836,266.
Kohama, Masahiro, to Kokusai Tekko Kabushiki Kaisha. Low-frequency induction furnace. 3,786,163, 1-15-74, Cl. 13-29.000.
Kohan, Geza: *See—*
Podesva, Ctirad; Kohan, Geza; and Scott, William T., 3,808,230.
Kohara, Haruki, to Nippon Electric Company, Limited. Magnetic domain splitter. 3,820,091, 6-25-74, Cl. 340-174.0tf.
Kohart, Ralph A., to Omark Industries, Inc. Stud storage system. 3,789,490, 2-5-74, Cl. 29-211.00r.
Kohase, Shigeru: *See—*
Kolshi, Hitoshi; Takao, Michio; Oda, Yasuhiro; Iguchi, Hideo; and Kohase, Shigeru, 3,856,759.
Kohashi, Tadao, to Matsushita Electric Industrial Company, Limited. Variable capacitance device. 3,798,508, 3-19-74, Cl. 317-235.00r.
Kohashi, Tadao; and Nakamura, Tadao, to Matsushita Electric Industrial Co., Ltd. Infrared image converting device. 3,800,156, 3-26-74, Cl. 250-330.000.
Kohashi, Tadao, to Matsushita Electric Industrial Co., Ltd. Variable capacitance device. 3,829,743, 8-13-74, Cl. 357-23.000
Kohashi, Tadao, to Matsushita Electric Industrial Company, Limited. Variable capacitance device. 3,829,881, 8-13-74, Cl. 357-23.000.
Kohashi, Takahiro: *See—*
Harada, Seiki; Nonogaki, Saburo, Oba, Yoichi; Saiki, Atsushi, Okabe, Takahiro; Kohashi, Takahiro, and Sato, Kikuji, 3,801,880.
Kohaszati, Lemin: *See—*
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Kohaut, John E., to Raceway Components, Inc., mesne. Positive clamping service unit. 3,841,673, 10-15-74, Cl. 285-210.000.
Kohda, Yasuhiko, to Fujitsu Limited. Document feed mechanism. 3,854,713, 12-17-74, Cl. 271-3.100.
Kohfeldt, Werner: *See—*
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Kohge, Tadashi: *See—*
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Kohjin Co., Ltd.: *See—*
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Kohl, Arthur L., to United States of America, Interior Turbulence promotor system. 3,788,953, 1-29-74, Cl. 202-173.000
Kohl, Carl D.: *See—*
Gray, Gordon C.; Meade, Joseph F., Jr., and Kohl, Carl D., 3,792,522.
Kohl, Carl O., to Mercury Aircraft, Inc. Shelf corner clamp. 3,851,600, 12-3-74, Cl. 108-144.000.
Kohl, Douglas A. Severe thunderstorm detector. 3,790,884, 2-5-74, Cl. 324-72.000
Kohl, F. Johannes: *See—*
Fendel, Kurt; Bauer, Johann; and Kohl, F. Johannes, 3,835,105.
Kohl, Gerald C., to Medics Research & Development, Inc. Biopsy sampling method and device for the female genital tract. 3,796,211, 3-12-74, Cl. 128-2.00b.
Kohl, Hans: *See—*
Wolf, Erhard; Kohl, Hans; and Hartfelder, Gunter, 3,849,559.
Kohl, Helmut; Forhauser, Siegfried; Mantell, Detmar; Granitzki, Karl-Ernst; Hess, Heinrich; and Schiefer, Paul, to Rheinstahl AG. Method of lining metallurgical furnaces and a lining material. 3,837,630, 9-24-74, Cl. 266-43.000.
Kohl, James Allen: *See—*
Plasko, Emil Robert; Kohl, James Allen; and Hutchison, Michael Raymond, 3,839,693.
Kohl, Karl. Warp knitting machine. 3,797,278, 3-19-74, Cl. 66-84.000.
Kohl, Karl. Sinker for warp knitting machine. 3,798,928, 3-26-74, Cl. 66-109.000.
Kohl, Karl. Bearded needle warp knitting machine. 3,802,226, 4-9-74, Cl. 66-86.00r.
Kohl, Karl. Mounting support for the knitting needle of a warp knitting machine. 3,811,298, 5-21-74, Cl. 66-86.000.
Kohl, Karl. Coupling frame for the pipe frame for warp beam bearings. 3,815,384, 6-11-74, Cl. 66-86.00a.
Kohl, Karl. Tension bar for warp knitting machine. 3,828,586, 8-13-74, Cl. 66-146.000.
Kohl, Karl. Thread guides having restricted apertures for use in warp knitting machines. 3,837,183, 9-24-74, Cl. 66-86.00r.
Kohl, Karl. Arrangement for the manufacture of velour. 3,855,820, 12-24-74, Cl. 66-87.000.
Kohl, Robert E., to Diebold Incorporated. Low pressure live roll conveyor. 3,840,109, 10-8-74, Cl. 198-127.000.
Kohl, Robert T.: *See—*
Schwarz, Eckhard C. A.; and Kohl, Robert T., 3,804,926.

Kohl, Vance L.; and Hoenisch, Walter Harold, to King-Seeley Thermos Co. Ice dispensing machine. 3,796,351, 3-12-74, Cl. 222-108.000.

Kohl, Vance L.; and Utter, Robert P., to King-Seeley Thermos Co. Ice Making apparatus. 3,820,354, 6-28-74, Cl. 62-354.000.

Kohl, William Leonard: *See*—
Theriault, Robert John; and Kohl, William Leonard, 3,827,941.

Kohler, Alfred; and Bauer, Kurt, to SWF-Spezialfabrik fur Autozubehor Gustav Rau GmbH. Universal joint ball mounting construction. 3,787,129, 1-22-74, Cl. 403-135.000.

Kohler, Alfred, to SWF-Spezialfabrik fur Autozubehor Gustav Rau GmbH. Wiper bearing for a windshield wiper for motor vehicles. 3,846,000, 11-5-74, Cl. 308-238.000.

Kohler, Armin: *See*—
Bodesheim, Ferdinand; Radlmann, Eduard; Kohler, Armin; Gutschik, Ernst; and Nischk, Gunther, 3,823,123.

Kohler Coating Machinery Corporation, The: *See*—
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Kohler Company: *See*—
Milnes, Peter M.; and Muellenbach, Kevin D., 3,799,185.

Kohler, Dale M.; and Littmann, Martin F., to Armco Steel Corporation. Production of cube-on-edge oriented silicon-iron. 3,802,937, 4-9-74, Cl. 148-111.000.

Kohler, Erwin. Wig. 3,848,612, 11-19-74, Cl. 132-53.000.

Kohler, Friedrich, to Hans Lingl Anlagenau und Verfahrenstechnik KG. Alternating light barrier. 3,842,257, 10-15-74, Cl. 250-206.000.

Kohler, George O.: *See*—
Bickoff, Emanuel M.; and Kohler, George O., 3,823,128.

Kohler, Gerd: *See*—
Mietens, Gerhard; Kohler, Gerd; Haas, Hans; and Roszinski, Hilmar, 3,825,628.

Kohler, Hans Karl; and Trachsel, Fred W., to Compagnie Industrielle Radioelectrique. Neck support. 3,784,253, 1-8-74, Cl. 297-410.000.

Kohler, Hans-Dieter; Benda, Herbert; and Scherb, Helmut, to Erdolchemie Gesellschaft mit beschrankter Haftung. Process for purifying cyclopentene. 3,793,381, 2-19-74, Cl. 260-666.00a.

Kohler, Hans-Joachim; and Rieder, Guido, to Industriewak Schaeffler OHG. Bearing bushing for universal joints. 3,788,712, 1-29-74, Cl. 308-35.000.

Kohler, John B.; and Croston, David H., to Kohler Coating Machinery Corporation, The. Elevator construction for coating control equipment. 3,783,824, 1-8-74, Cl. 118-23.000.

Kohler, Karl, to International Standard Electric Corporation. Radiolocation system. 3,852,749, 12-3-74, Cl. 343-102.000.

Kohler, Karl, to International Standard Electric Corporation. Direction determining method. 3,854,137, 12-10-74, Cl. 343-106.00d.

Kohler, Karl, to International Standard Electric Corporation. Radiolocation system particularly adapted for aircraft landing systems. 3,854,138, 12-10-74, Cl. 343-108.00r.

Kohler, Karl Albert, to Rheinstahl AG. Gun turret, especially for armored vehicles. 3,820,436, 6-28-74, Cl. 89-36.00k.

Kohler, Pius; and Kuhn, Falk, to Fouquet-Werk Frauz & Planck. Detection device for errors in the angular position of a pattern control drum for a textile machine. 3,791,176, 2-12-74, Cl. 66-138.000.

Kohler, Robert D.; Sidlauskas, David P.; and Walton, Charles A., to Proximity Devices, Inc. Recognition and identification system with noise rejection capabilities. 3,842,246, 10-15-74, Cl. 235-61.11h.

Kohler, Robert Felix, to Hoerbiger Ventilwerke Aktiengesellschaft. Plate valve assembly. 3,792,718, 2-19-74, Cl. 137-514.000.

Kohler, Theodore D. Boat utility light apparatus. 3,851,166, 11-26-74, Cl. 240-57.000.

Kohler, Walter: *See*—
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Kohlert, Gerhard: *See*—
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Kohlert, Gerhard; and Stawicky, Wolfgang, to Vereinigte Deutsche Metallwerke AG. Process for producing austenitic steels weldable without droplet formation. 3,796,567, 3-12-74, Cl. 75-12.000.

Kohlhaas, Rudolf: *See*—
Joerchel, Egon; and Kohlhaas, Rudolf, 3,784,671.

Kohlhage, Hermann, to Triumph Werke Nuernberg, A.G. Data output printer. 3,814,229, 6-4-74, Cl. 197-18.000.

Kohlhepp, Dean H.: *See*—
Herbert, William; and Kohlhepp, Dean H., 3,783,993.

Kohlhepp, Frederick F.; and Jass, Herman E., to Carter-Wallace, Inc. Effervescent composition. 3,793,211, 2-19-74, Cl. 252-99.000.

Kohling, Alfons: *See*—
Binder, Horst; Kohling, Alfons; and Kuhn, Wolfgang, 3,854,994.

Kohling, Rolf: *See*—
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Kohlmannsperger, Josef, to Agfa-Gevaert Aktiengesellschaft. Thermomagnetic imaging method. 3,791,843, 2-12-74, Cl. 117-17.500.

Kohlmannsperger, Josef, to AGFA-Gevaert Aktiengesellschaft. Thermomagnetic imaging apparatus. 3,845,306, 10-29-74, Cl. 250-316.000.

Kohlmuller, Hans: *See*—
Cnobloch, Herbert; Kohlmuller, Hans; and Marchetto, Manfredo, 3,783,028.

Kohlmuller, Hans, to Siemens Aktiengesellschaft. Water depletion unit for fuel cells. 3,783,107, 1-1-74, Cl. 202-160.000.

Kohls, Frederick J.; Boldt, Bruce W.; and Gouge, Wilfred A., Sr., to Ladisch Co. Die lubricating composition. 3,826,743, 7-30-74, Cl. 252-14.000.

Kohls, Richard S. Foldable ski cover. 3,851,689, 12-3-74, Cl. 150-52.00r.

Kohls, Richard S. Article carrier for recreational vehicles. 3,854,641, 12-17-74, Cl. 224-29.00r.

Kohlstette, Werner; and Hemfort, Heinz, Jr., to Westfalia Separator AG. Self-dumping drum centrifuge for the clarification of liquids, equipped with a paring disk for removing the clarified liquid under pressure. 3,825,177, 7-23-74, Cl. 233-20.00a.

Kohmoto, Keisuke; and Miyazaki, Koshin, to Nippon Soda Co., Ltd. Metal salts of bis-thioureido benzenes. 3,856,847, 12-24-74, Cl. 260-470.000.

Kohmura, Isao: *See*—
Futaki, Kiyoshi; Haino, Kozo; and Kohmura, Isao, 3,829,401.
Futaki, Kiyoshi; Kohmura, Isao; and Haino, Kozo, 3,846,153.

Kohn, Erwin; Bickl, Horst; Pfeifer, Josef; and Schrecke, Hans-Joachim, to Agfa-Gevaert Aktiengesellschaft. Combined reading and enlarging apparatus for microfilm. 3,782,820, 1-1-74, Cl. 355-45.000.

Kohn, Gustave K.: *See*—
Brown, Melanchthon S., 3,853,966.
Brown, Melancthon S., 3,794,733.
Brown, Melancthon S., 3,810,928.
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Brown, Melancthon S., 3,817,742.
Brown, Melancthon S., 3,843,689.
Brown, Melancthon S., 3,845,101.
Brown, Melancthon Starr, 3,812,209.
Kobzina, John W.; Moore, Joseph F.; and Kohn, Gustave K., 3,826,644.
Kohn, Gustave K.; and Brown, Melancthon S., 3,847,951.
Moore, Joseph E.; and Kohn, Gustave K., 3,798,274.

Kohn, Gustave K.; and Brown, Melancthon S.; deceased (by Kohn, Gustave K.; special administrator), to Chevron Research Company. Insecticidal N-thio-substituted carbamates of dihydrobenzofuranols. 3,847,951, 11-12-74, Cl. 260-346.200.

Kohn, Gustave K., to Chevron Research Company. Organic pesticide residue removal from aqueous solutions. 3,852,490, 12-3-74, Cl. 426-271.000.

Kohn, Gustave K.; and Singer, Malcolm S., to Chevron Research Company. Bactericidal 3-halo-5-alkyl-Δ2-thiadiazoline-4-ones. 3,854,000, 12-10-74, Cl. 424-270.000.

Kohn, Gustave K., Administrator: *See*—
Brown, Melancthon Starr, deceased, 3,824,281.

Kohn, Harold B.: *See*—
Friedman, George; Kohn, Harold B.; and Weiner, Philip A., 3,830,490.

Kohn, Karl Walter; and Corein, Marcel Pierre Ernest Marie, to Societe d'Etudes de Machines Thermiques. Internal-combustion-engine valve-rocker and valve-stem lubrication circuit. 3,782,357, 1-1-74, Cl. 123-196.00s.

Kohn, Mitchell I.; and Alton, Ahdor Hermyrt, to Love Controls Corporation. Controller circuit. 3,819,960, 6-25-74, Cl. 307-310.000.

Kohner Bros. Inc.: *See*—
Castanis, George, 3,833,222.
Stubbmann, Albert, 3,803,735.
Stubbmann, Albert, 3,808,719.
Stubbmann, Albert, 3,823,944.
Stubbmann, Albert, 3,835,582.
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Stubbmann, Albert, 3,849,930.

Kohnle, Josef: *See*—
Mueller-Tamm, Heinz; Urban, Friedrich; Frielingsdorf, Hans; Nickl, Johann; Schweier, Guenther; and Kohnle, Josef, 3,809,657.

Kohno, Shoji: *See*—
Takagi, Atsushi; Miura, Mitsuo; Suzuki, Akio; Kukino, Yoshinori; Amagai, Kiyoshi; Shimizu, Haruji; Satoh, Mitsutoshi; Kohno, Shoji; and Ebine, Mitsuo, 3,848,685.

Kohno, Tadashi; and Watanabe, Tsuguo, to Pentel Kabushiki Kaisha. Nib for writing instrument. 3,830,576, 8-20-74, Cl. 401-292.000.

Kohno, Yasumasa: *See*—
Yamaguchi, Michio; and Kohno, Yasumasa, 3,810,523.

Kohr, Horst, to Pyrotector Europe GmbH. Smoke detector. 3,799,670, 3-26-74, Cl. 356-207.000.

Kohshoh Limited: *See*—
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Takabayashi, Teruo, 3,823,444.

Kohyama, Masaharu; Miyamoto, Akio; Kobayashi, Satoshi; and Kanazaki, Mikio, to Hitachi, Ltd. Plane multi-digit type electric discharge display devices. 3,858,073, 12-31-74, Cl. 313-54.000.

Kohyo Gijutsuin: *See*—
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Koida, Yoshiyuki: *See*—
Samejima, Masayoshi; Sugimoto, Isao; Suzuki, Akira; Koida, Yoshiyuki; Hirata, Goichi; and Tsukamoto, Goro, 3,823,091.

Koide, Hideo; Kuroda, Koichi; and Ito, Takeshi, to Rhythm Watch Company, Limited. Adjusting mechanism for turning operations of hour-and minute-indicating leaves in leaf-type clock. 3,830,053, 8-20-74, Cl. 58-125.00c.

Koide, Tohru: *See*—
Ishizawa, Kazutomo; Koide, Tohru; Kondo, Tamotsu; and Miyawaki, Katsumi, 3,800,160.
Ishizawa, Kazutomo; Nagata, Yasunori; Ito, Hirotaka; Ishida, Toyotaka; Koide, Tohru; and Sato, Akio, 3,803,826.

Koide, Tohru; Ishizawa, Kazutomo; Hattori, Takahiro; Yamamura, Toshio; Maruya, Mitsuru; and Tashiro, Shinji, to Kanebo Ltd. Apparatus for continuously manufacturing polyvinyl acetal porous material. 3,838,957, 10-1-74, Cl. 425-174.600.

Koike, Fuji. Handicraft tool. 3,857,592, 12-31-74, Cl. 289-17.000.

Koike, Hirotami, to Nihon Denshi Kabushiki Kaisha. Apparatus for analyzing electron energy. 3,822,382, 7-2-74, Cl. 250-305.000.

Koike, Hirotami; Sakurai, Shigekata; and Ueno, Katsuyoshi, to Nihon Denshi Kabushiki Kaisha. Scanning electron microscope with improved means for focusing. 3,833,811, 9-3-74, Cl. 250-306.000.

Koike, Hirotami; and Ueno, Katsuyoshi, to Nihon Denshi Kabushiki Kaisha. Scanning electron microscope. 3,849,647, 11-19-74, Cl. 250-306.000.

Koike, Kengo: *See*—
Yamamoto, Hiroshi; Koike, Kengo; Ohgushi, Koji; and Tokumitsu, Iwao, 3,826,841.

Koike, Kenichi: *See*—
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Koike, Norio: *See*—
Yamaura, Tokuharu; Takeda, Masayuki; Tajima, Koi; and Koike, Norio, 3,856,926.

Koike, Norio; and Ashikawa, Mikio, to Hitachi, Ltd. Scanning pulse generator. 3,786,281, 1-15-74, Cl. 307-269.000.

Koike Sanso Kogyo Kabushiki Kaisha: *See*—
Ujiie, Akira; Shimoyama, Hiroshi; and Ueda, Nanji, 3,788,558.

Koike, Shoichi, to Nissan Motor Company, Limited. Window regulator mechanism for a vehicle. 3,842,541, 10-22-74, Cl. 49-227.000.

Koike, Toshio, to Hitachi, Ltd. Stator for single-phase induction motor. 3,809,937, 5-7-74, Cl. 310-184.000.

Koike, Yjiro: *See*—
Yamashita, Sadahiko; Anbe, Toshi; and Koike, Yjiro, 3,818,377.

Koinuma, Kazuo, to Victor Company of Japan, Ltd. AC bias control recording system and apparatus in a magnetic recording apparatus. 3,798,673, 3-19-74, Cl. 360-66.000.

Koinuma, Tokuju, to Tokyo Shibaura Electric Co., Ltd. Magnetron. 3,809,950, 5-7-74, Cl. 315-39.710.

Koinzan, Walter J. Direction control system with lever valve control. 3,843,058, 10-22-74, Cl. 239-177.000.

Koire, Viktor Evseevich: *See*—
Pevzner, Semen Albertovich; and Koire, Viktor Evseevich, 3,807,034.

Koiso, Kazuhiro: *See*—
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Koito Industries Ltd.: *See*—
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Koivunen, Erkki A.: *See*—
Demers, Theodore E.; and Koivunen, Erkki A., 3,810,682.
Green, Raymond J.; and Koivunen, Erkki A., 3,855,987.
Week, Nils P.; Shellman, Carl E.; and Koivunen, Erkki A., 3,810,715.

Koivunen, Erkki A., to General Motors Corporation. Transversely mounted engine driven transmission. 3,800,626, 4-2-74, Cl. 74-695.000.

Koivunen, Erkki A., to General Motors Corporation. Differential and brake assembly with parking brake for differential outputs. 3,814,222, 6-4-74, Cl. 192-4.00a.

Koivunen, Erkki A., to General Motors Corporation. Transmission having intermediate fluid unit. 3,838,611, 10-1-74, Cl. 74-730.000.

Koiwa, Yoichi: *See*—
Fujimoto, Yasuo; Nagaoka, Koichi; Tatsukawa, Keizo; and Koiwa, Yoichi, 3,808,290.
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Koizume, Kihachiro: *See*—
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Koizumi, Ken: *See*—
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Ono, Seiichi; Koizumi, Ken; and Yoshiyagawa, Mitsugi, 3,836,347.
Sumimoto, Toru; Matsushita, Shigeo; Fujiware, Tadafumi; Koizumi, Ken; and Yamazaki, Tetsuya, 3,836,348.

Koizumi, Ken; Ikeda, Yoshiro; and Yoshiyagawa, Mitsugi, to Nippon Selfoc Kabushiki Kaisha; a/k/a Nippon Selfoc Co., Ltd. Continuous production of light-conducting glass fibers with ion diffusion. 3,791,806, 2-12-74, Cl. 65-3.000.

Koizumi, Ken; and Yoshiyagawa, Mitsugi, to Nippon Selfoc Kabushiki Kaisha (a/k/a Nippon Selfoc Co., Ltd.). Process for producing light-conducting glass fiber by core and outer layer exchange. 3,822,120, 7--2-74, Cl. 65-3.000.

Koizumi, Ken; and Yoshida, Motoaki, to Nippon Selfoc Kabushiki Kaisha (a/k/a Nippon Selfoc Co., Ltd.). Production of light-conducting glass fibers by molten bath heating. 3,822,121, 7-2-74, Cl. 65-3.000.

Koizumi, Ken; Sumimoto, Toru; Matsushita, Shigeo; and Furukawa, Motaoaki, to Nippon Selfoc Company, Limited. Ion exchange process for manufacturing integrated optical circuits. 3,857,689, 12-31-74, Cl. 65-30.000.

Koizumi, Kihachiro; Yonai, Fumiaki; Yamauchi, Masaaki; and Utamura, Yukihiko, to Hitachi, Ltd. Light exposure apparatus for formation of striped phosphor screens of color picture tubes. 3,840,881, 10-8-74, Cl. 354-1.000.

Koizumi, Masaharu; and Yusawa, Motoyasu, to Mitsui Petrochemical Industries, Ltd. Crystalline polypropylene compositions. 3,790,517, 2-5-74, Cl. 260-23.00h.

Koizumi, Noboru: *See*—
Tsuge, Yasuhiko; and Koizumi, Noboru, 3,834,486.

Koizumi, Shun: *See*—
Kometani, Yutaka; Koizumi, Shun; Suzuki, Takeshi; Furukawa, Yasuyoshi; and Tomoda, Masayasu, 3,857,807.

Koizumi, Shuzo: *See*—
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Koizumi, Takashi: *See*—
Fujii, Seiji; Matsui, Kunio; Sato, Shigeru; Ito, Keijiro; Koizumi, Takashi; Tsuboyama, Shozo; and Watanabe, Hiroyuki, 3,848,127.

Koizumi, Toshihiro, to Nissan Motor Company, Limited. Safety harness shock absorber. 3,856,328, 12-24-74, Cl. 280-150.0sb.

Koizumi, Yasumi, to Alps Electric Co., Ltd. Helical resonator. 3,825,862, 7-23-74, Cl. 333-83.00r.

Koizumi, Yasumi, to Alps Electric Co., Ltd. Double-tuned circuit device with adjustable coupling coefficient means. 3,836,881, 9-17-74, Cl. 336-87.000.

Koizumi, Yutaka, to Ricoh Co., Ltd. Electric discharge recording system having a dual scanning and recording head. 3,800,076, 3-26-74, Cl. 178-6.60r.

Koizumi, Yutaka, to Ricoh Co., Ltd. Device for preventing development of non-image marginal portions of a photoreceptor in electrophotographic copying apparatus. 3,827,799, 8-6-74, Cl. 355-3.00r.

Kojii, Toi: *See*—
Ariyoshi, Yasuo; Koguchi, Yohko; Yamatani, Tetsuo; and Kojii, Toi, 3,816,471.

Kojima, Chiaki: *See*—
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Kojima, Hiroaki: *See*—
Hayashi, Takao; and Kojima, Hiroaki, 3,838,104.
Kirimoto, Kazusuke; Hayashi, Takao; and Kojima, Hiroaki, 3,849,521.
Ukihashi, Hiroshi; Kirimoto, Kazusuke; and Kojima, Hiroaki, 3,838,083.

Kojima, Jiro. Weld bead removing apparatus. 3,844,007, 10-29-74, Cl. 29-33.00a.

Kojima, Katue. *See*—
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Kojima, Kazumi: *See*—
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Kojima, Kazutaka: *See*—
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Kojima, Koichi: *See*—
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Kojima, Masayasu: *See*—
Matsuoka, Takashi; and Kojima, Masayasu, 3,830,669.

Kojima, Michio: *See*—
Yoneda, Naoto; Ishihara, Teruo; Kondo, Yasuzo; Kobayashi, Tetsuji; Okumura, Kentaro; Kojima, Michio; and Tamaki, Hajime, 3,808,263.

Kojima Osamu: *See*—
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Kojima, Takakazu: *See*—
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Kojima, Tamotsu: *See*—
Iwama, Masakuni; Fujiwara, Mitsuto; Kojima, Tamotsu; and Yamaoto, Toshihiko, 3,784,383.

Kojima, Tatsuo, to Murata Manufacturing Co., Ltd. Step-by-step variable resistor assembly. 3,832,671, 8-27-74, Cl. 338-188.000.

Kojima, Togo; and Utashiro, Shinobu, to Tokyo Shibaura Electric Co., Ltd. Apparatus for automatic takeup and release of sheets. 3,843,114, 10-22-74, Cl. 271-3.000.

Kojima, Yasuhiko: *See*—
Nakase, Yasukiyo; and Kojima, Yasuhiko, 3,852,423.

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Kojo, Ichiro; Nakao, Eiichi; Katsumata, Masayuki; Kitahara, Masahiro; Tanaka, Tetsuji; Wada, Shinji; Tomioka, Taisaku; and Takahashi, Kunio, to Asahi Glass Company Ltd. Method for feeding an unsymmettical gob of glass. 3,817,736, 6-18-74, Cl. 65-129.000.

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Kok, Pieter W., to U.S. Philips Corporation. X-ray apparatus for heart catheterization and other procedures. 3,803,417, 4-9-74, Cl. 250-447.000.

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Kokado, Hiroshi: *See*—
Inoue, Eiichi; Tsujiuchi, Junpei; Kokado, Hiroshi; Yamaguchi, Takashi; Shimizu, Isamu; Sakuma, Hiraku; Hanada, Hiroshi; and Tokunaga, Yukio, 3,825,317.
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Kokaly, Joseph: *See*—
Junck, John A.; and Kokaly, Joseph, 3,785,156.

Kokan Camera Laboratory Company Limited: *See*—
Sakamoto, Isamu, 3,845,731.

Kokankikai Kogyo Kabushiki Kaisha: *See*—
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Kokeisl, Theodor. Device for metering flowable solids from a container. 3,845,886, 11-5-74, Cl. 222-241.000.

Kokenik, Steve A.: *See*—
Hursen, Thomas F.; Kokenik, Steve A.; and Prudy, David L., 3,818,304.

Koketsu, Norihisa: *See*—
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Koketsu, Shigeyoshi, to Yasui Sangyo Company Limited. Vehicle washer. 3,826,018, 7-30-74, Cl. 34-229.000.

Kokido, Hiroshi: *See*—
Fujimoto, Yoshiji; Hananoi, Toshibiro; Yasuda, Michio; Makihara, Hiroshi; Kuramizu, Masaru; Ota, Minoru; Kokido, Hiroshi; and Kadota, Shozo, 3,849,762.

Kokinos, Charles C.: *See*—
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Kokkinis, Nikolaus, to Lindauer Dornier Gesellschaft mbH. Weft thread inserting device for shuttleless looms. 3,851,676, 12-3-74, Cl. 139-122.000.

Kokolis, Steve: *See*—
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Kokonashvili, Georgy Nikolaevich: *See*—
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Kokonin, Alexei Pavlovich: *See*—
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Kokoras, John N.; and Kokoras, William N. Hide treating machines. 3,813,819, 6-4-74, Cl. 51-39.000.

Kokoras, William N.: *See*—
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Kokorzycki, Genevieve: *See*—
Kokorzycki, Zennon, 3,788,564.

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Kokumai, Akihisa: *See*—
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Kokura, Satoshi; Taki, Genzi; and Watanabe, Kiyoshi, to Hitachi, Ltd. Electroslag welding method. 3,825,716, 7-23-74, Cl. 219-73.000.

Kokura, Yoshiji: *See*—
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Kokusai Denki Kabushiki Kaisha: *See*—
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Kokusai Denshin Denwa Co., Ltd.: *See*—
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Kokx, Darrel Dayfield: *See*—
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Kola, Rolf: *See*—
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Kolakowski, Richard A.; and McLaughlin, Alexander, to Upjohn Company, The. Production of acidic impurities in polymethylene polyphenylisocyanates. 3,793,362, 2-19-74, Cl. 260-453.0sp.

Kolakowski, Richard A.; Grieve, Robin L.; and Tilgner, Peter J., to Upjohn Company, The. Apparatus for producing foamed resincare web-faced laminates in continuous length. 3,837,771, 9-24-74, Cl. 425-110.000.

Kolan, Andrew, to Martin Marietta Corporation. Calculating device. 3,814,308, 6-4-74, Cl. 235-70.000.

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Kolano, Frank J., to Westinghouse Electric Corporation. Electric arc furnace apparatus having a shaped magnetic field for increasing the utilized area of the arcing surface of an electrode and improving the heating efficiency. 3,783,170, 1-1-74, Cl. 13-18.00.

Kolanowski, Jan: *See*—
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Kolar, Vladimir: *See*—
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Kolb, Alfred Reeves, to Brown & Root, Inc. Pile mounted drilling rig and method. 3,825,076, 7-23-74, Cl. 175-5.000.

Kolb, Arthur F.; and Gilmore, John J., to Cutler-Hammer, Inc. Mechanical interlock for electric switches. 3,824,510, 7-16-74, Cl. 335-160.000.

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Kolb, Edwin R., to Harris-Intertype Corporation. Composing apparatus. 3,819,854, 6-25-74, Cl. 178-6.70r.

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Kolb, James M.; Franks, Charles R.; and Schenker, Barry A., to Diamond Shamrock Corporation. High current density brine electrolysis. 3,793,164, 2-19-74, Cl. 204-99.000.

Kolb, James M.; and O'Leary, Kevin J., to Electronor Corporation. Platinum group metal oxide coated electrodes. 3,853,739, 12-10-74, Cl. 204-290.00f.

Kolb, John P.; and Powell, Richard G., to ACF Industries, Incorporated. Valve means for railway car trainline. 3,812,980, 5-28-74, Cl. 213-76.000.

Kolb, Karl Heinz: *See*—
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Kolbe, Joachim. Vehicle banking arm construction. 3,826,514, 7-30-74, Cl. 280-96.200.

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Kolbel, Reinhard, to National Research Development Corporation. Endoprosthetic shoulder joint. 3,842,442, 10-22-74, Cl. 3-1.000.

Kolbinger, Herman Joseph. Rotary engine. 3,815,362, 6-11-74, Cl. 60-525.000.

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Kolchev, Cirilo. System for moving furniture. 3,854,544, 12-17-74, Cl. 180-14.00e.

Kolderup, Edward; and Eidsmo, Jacob, to Anlegg & Maskin A/S. Mobile drill rig. 3,809,344, 5-7-74, Cl. 248-16.000.

Kole, Richard L.: *See*—
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Kolebaba, John. Elevating chair for handicapped people. 3,806,194, 4-23-74, Cl. 297-347.000.

Koleczek, Roman A. V-shape blocks having flanges and notches for stacking. 3,834,067, 9-10-74, Cl. 46-25.000.

Koleff, Boris; and Nagel, Erich, to AGFA-Gevaert Aktiengesellschaft. Apparatus for braking and arresting indexible carriers for filters or the like. 3,836,928, 9-17-74, Cl. 354-100.000.

Kolek, Robert L., to Westinghouse Electric Corporation. Castings for reverse osmosis membrane supports. 3,796,314, 3-12-74, Cl. 210-321.000.

Kolell, Norbert C.; and Simon, James B., to Giddings & Lewis, Inc. Recoordination of common axis positioning. 3,840,793, 10-8-74, Cl. 318-574.000.

Kolell, Norbert C. Method and apparatus for numerical control of members independently movable along coincident axes. 3,842,330, 10-15-74, Cl. 318-574.000.

Kolene Corporation: *See*—
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Koleske, Joseph Victor; Roberts, Rene Marie-Joseph; and DelGiudice, Frank Paul, to Union Carbide Corporation. ABA block polymers of polyesters and polyethers. 3,825,620, 7-23-74, Cl. 260-873.000.

Kolesnichenko, Leonid Georgievich: *See*—
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Kolesnikov, Viktor Petrovich: *See*—
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Kolfertz, Erwin. Diaphragm pumps with pressure equalising chambers. 3,838,944, 10-1-74, Cl. 417-312.000.

Kolflaath, Jorgen August: *See*—
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Kolibas, James A., to Addressograph-Multigraph Corporation. Field control development of electrostatic images. 3,799,791, 3-26-74, Cl. 117-37.0le.

Kolibas, James A., to Addressograph-Multigraph Corporation. Optical system with selectable feeds. 3,825,338, 7-23-74, Cl. 355-50.000.

Kolibas, James A., to Addressograph-Multigraph Corporation. Bottom sheet feeder. 3,838,851, 10-1-74, Cl. 271-124.000.

Kolibas, James Andrew, to Addressograph-Multigraph Corporation. Photoconductor-carrying drum assembly. 3,826,570, 7-30-74, Cl. 355-3.00r.

Kolic, Edwin S.; and Sigmund, Bereday, said Kolic assor. to said Sigmund, Bereday. Method for electrolytically coating anodized aluminum with polymers. 3,799,848, 3-26-74, Cl. 204-38.00e.

Kolic, Edwin S. Hose clamp. 3,813,077, 5-28-74, Cl. 251-9.000.

Kolin, Alexander, to University of California, The Regents of the. Self-contained electromagnetic flow sensor. 3,838,683, 10-1-74, Cl. 128-2.05f.

Koliss, Peter Paul: *See—*
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Kolk, Theodor; and Wertelewski, Wilhelm, to Becorit Grubenausbau GmbH. Traction carriage for cable railway. 3,839,968, 10-8-74, Cl. 104-173.00r.

Kolkka, Toivo I. Rock heater for sauna bath. 3,789,827, 2-5-74, Cl. 126-344.000.

Kolkovsky, Yehuda. Mixing and dispensing apparatus. 3,806,004, 4-23-74, Cl. 222-385.000.

Koll, Stanley J.: *See—*
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Kollar, Ernest P.: *See—*
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Kollar, Ernest P.; Levine, Joel M.; and Tagawa, James M., to International Business Machines Corporation. Tape transport. 3,806,061, 4-23-74, Cl. 242-186.000.

Kollar, Ernest P.; Levine, Joel M.; Tagawa, James M.; and Tiao, Hui-Li, to International Business Machines Corporation. Tape transport. 3,809,336, 5-7-74, Cl. 242-202.000.

Kollar, John, to Halcon International, Inc. Process for preparing vicinal glycol esters from olefins. 3,789,065, 1-29-74, Cl. 260-497.00r.

Kollar, John, to Halcon International, Inc. Process for preparation of phthalic acids. 3,845,117, 10-29-74, Cl. 260-524.00r.

Kolle, Erwin: *See—*
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Gmeiner, Gunter; Kolle, Erwin; and Binder, Rudolf, 3,831,221.

Koller, Emil, to Maschinenfabrik Schweiter A.G. Waxing or paraffining apparatus for yarn winders. 3,802,382, 4-9-74, Cl. 118-78.000.

Koller, Eugen Johann: *See—*
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Koller, Josef. Shovel. 3,784,245, 1-8-74, Cl. 294-54.000.

Koller, Manfred, to Fichtel & Sachs AG. Pneumatic suspension unit. 3,788,630, 1-29-74, Cl. 267-65.000.

Koller, Thomas J.: *See—*
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Koller, Wilhelm: *See—*
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Kolliker, Hans-Peter; Staub, Alfred; and Hindermann, Peter, to Ciba-Geigy AG. Dispersible anthraquinone dyestuffs. 3,803,168, 4-9-74, Cl. 260-326.00c.

Kolliker, Hans-Peter; Staub, Alfred; and Hindermann, Peter, to Ciba-Geigy AG. Dispersible anthraquinone dyestuffs. 3,806,524, 4-23-74, Cl. 260-376.000.

Kolling, Byron M., to Bynal Products Inc. Rubbish compactor-container with load release. 3,848,797, 11-19-74, Cl. 232-43.100.

Kolling, Georg: *See—*
Hirz, Albert; Handrick, Kurt; and Kolling, Georg, 3,832,360.

Kollitz, Gerhard. Apparatus for cleaning and massaging. 3,812,848, 5-28-74, Cl. 128-36.000.

Kollmai, Klaus E. Fluid flow wand assembly. 3,799,451, 3-26-74, Cl. 239-444.000.

Kollman, Carl J.: *See—*
Hurwitz, Marvin J.; Kennedy, David C.; and Kollman, Carl J., 3,853,758.

Kollmar, Ulrich, to Gebr. Bellmer KG. Machine for flattening cartons. 3,791,268, 2-12-74, Cl. 93-53.00r.

Kollmer, Werner: *See—*
Stengel, Max; Kollmer, Werner; and Grassl, Manfred, 3,792,189.

Kollmeyer, Willy D.; Pilgram, Kurt H. G.; and Jackson, Earl K., to Shell Oil Company. Ethanesulfinamides. 3,830,838, 8-20-74, Cl. 260-551.00s.

Kollmorgen Corporation: *See—*
Noodleman, Samuel, 3,819,964.
Van Aken, Harold R., 3,784,912.
Walker, Richard A.; and Weisner, Ralph M., 3,813,172.
Weisner, Ralph M., 3,799,680.
Whited, James Sidney, 3,786,329.

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Kollonitsch, Janos, to Merck & Co., Inc. Process for the preparation of 3-fluoro-D-alanine. 3,839,170, 10-1-74, Cl. 204-158.0ha.

Kollross, Gunter. Installation for the manufacture of sausage, in particular raw sausage. 3,805,329, 4-23-74, Cl. 17-33.000.

Kolm, Henry H.: *See—*
Thornton, Richard D.; and Kolm, Henry H., 3,842,751.

Kolm, Henry H., to Massachusetts Institute of Technology. Vibrating-matrix magnetic separators. 3,838,773, 10-1-74, Cl. 209-10.000.

Kolm, Henry H., to Massachusetts Institute of Technology. Eddy current printer apparatus. 3,853,055, 12-10-74, Cl. 101-316.000.

Kolm, Hubert Ernest: *See—*
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Kolm, Jan: *See—*
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Kolm, Richard H., to Kelsey-Hayes Company. Surge-actuator for brake system. 3,796,287, 3-12-74, Cl. 188-112.000.

Kolm, Richard H., to Kelsey-Hayes Company. Plastic master cylinder. 3,802,200, 4-9-74, Cl. 60-594.000.

Kolmar Laboratories, Inc.: *See—*
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Kolob Holding Limited: *See—*
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Koloboff, George J.: *See—*
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Kolobow, Theodor, to United States of America, Health, Education and Welfare. Method of making thin defect-free silecone rubber films and membranes. 3,819,772, 6-25-74, Cl. 264-22.000.

Kolodchin, William; and Brackenridge, David R., to Ethyl Corporation. Flame resistant polyester. 3,792,117, 2-12-74, Cl. 260-864.000.

Kolodina, Ivetta Sergeevna: *See—*
Suvorov, Boris Viktorovich; Kagarlitsky, Alfred Davydovich; Sembaev, Dauren Khamitovich; Kolodina, Ivetta Sergeevna; and Coiko, Aleftin, 3,799,888.

Kolody, Dale A., to Ford Motor Company. Engine spark control and exhaust gas recirculation vacuum signal selector. 3,783,847, 1-8-74, Cl. 123-119.00a.

Kolodziej, Andrew S. Line handling device. 3,841,685, 10-15-74, Cl. 294-19.00r.

Kolomayets, George; and Reed, Martin C., to Warwick Electronics Inc. Record changer. 3,801,109, 4-2-74, Cl. 274-10.00r.

Kolorz, Bruno, to Outboard Marine Corporation. Chain saw. 3,849,883, 11-26-74, Cl. 30-381.000.

Kolosh, Frans Adam: *See—*
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Kolosy, Erno, to Aluterv Aluminiumipari Tervezo Vallalat. Busbar system for electrolysis cells. 3,847,782, 11-12-74, Cl. 204-267.000.

Kolozsi, William A.: *See—*
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Kolpe, Vasant V.: *See—*
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Kolpek, Robert A., to International Business Machines Corporation. Sentence oriented dictation system featuring random accessing of information in a preferred sequence under control of stored codes. 3,797,037, 3-12-74, Cl. 360-72.000.

Kolpek, Robert A., to International Business Machines Corporation. Articulated typewriter frame. 3,830,352, 8-20-74, Cl. 197-186.00a.

Kolpek, Robert A., to International Business Machines Corporation. Print point positioning control for a character-by-character printer. 3,850,279, 11-26-74, Cl. 197-19.000.

Kolpek, Robert Adolph; and Loiselle, James Thomas, to International Business Machines Corporation. Typing system with form programmed format control. 3,829,855, 8-13-74, Cl. 340-172.500.

Kolshi, Hitoshi; Takao, Michio; Oda, Yasuhiro; Iguchi, Hideo; and Kohase, Shigeru, to Tokyo Printing Ink Mfg. Co., Ltd. Vehicles for printing ink. 3,856,759, 12-24-74, Cl. 260-78.40d.

Koltz, Irving Morton: *See—*
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Koltz, Irving Morton. Display container. 3,857,481, 12-31-74, Cl. 206-45.140.

Kolycheck, Edmond G., to Goodrich, B. F., Company, The. Diisocyanate-organometallic catalyst solutions. 3,836,555, 9-17-74, Cl. 252-431.00n.

Kolyer, John M.; and Kveglis, Albert A., to Allied Chemical Corporation. Monfunctionally-blocked tris (2-hydroxyalkyl) isocyanurates and polyesters thereof. 3,783,150, 1-1-74, Cl. 260-248.0ns.

Kolze, Lawrence A.; and Jones, William H., to Eaton Corporation. Means for calibrating pressure switches at extra-low pressure settings. 3,846,600, 11-5-74, Cl. 200-83.00s.

Komabayashi, Yoshibumi: *See—*

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Komabayashi, Yoshibumi; and Iwai, Tadayoshi, to Muto Industrial Company Ltd. Drawing instrument. 3,823,479, 7-16-74, Cl. 33-76.00r.

Komai, Saburo: *See—*
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Komai, Takeshi: *See—*
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Kato, Mitsukuni; Komai, Takeshi; and Aoshima, Kazuyohi, 3,829,503.

Komaki, Saiji. Veneer slicer machine. 3,796,243, 3-12-74, Cl. 144-162.00r.

Komaki, Saiji. Apparatus for manufacturing a light-weight concrete panel with pattern designs on its surface. 3,809,516, 5-7-74, Cl. 425-150.000.

Komaki, Shojiro, to Kabushiki Kaisha Daini Seikosha. Electronic watch with a time display correcting device. 3,841,081, 10-15-74, Cl. 58-23.00r.

Komaki, Takao: *See—*
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Sato, Masamichi; Takimoto, Masaaki; and Komaki, Takao, 3,843,885.
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Komaki, Takeshi: *See—*
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Komakine, Chukei. Feedstuff for fowl, fish and domestic animals. 3,836,676, 9-17-74, Cl. 426-74.000.

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Komarek, Ernst; and Spahrkas, Heinrich, to Bayer Aktiengesellschaft. Pulverulent mixture for tanning raw animal hides and leather. 3,826,610, 7-30-74, Cl. 8-94.260.

Komarek, K. R., Inc.: *See—*
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Komarek, Karl R., to Komarek, K. R., Inc. Segmented briquetting roll structure. 3,830,612, 8-20-74, Cl. 425-194.000.

Komarov, German Vyacheslavovich: *See—*
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Komatsu, Akira; Akutagawa, Susumu; and Someya, Taichi, to Takasago Perfumery Co., Ltd. Process for the production of squalene-type hydrocarbons. 3,801,668, 4-2-74, Cl. 260-677.00r.

Komatsu, Akitoshi: *See—*
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Komatsu, Chifumi: *See—*
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Komatsu, Hideo: *See—*
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Komatsu, Ikuo I.: *See—*
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Komatsu, Ikuo I.; Rieckman, Roger A.; and Roszyk, Leon M., to Sunbeam Corporation. Combined hair dryer and detangler. 3,853,133, 12-10-74, Cl. 132-11.00a.

Komatsu, Isamu, to Hitachi, Ltd. Method and apparatus for analyzing nitrogen oxides in gas. 3,835,322, 9-10-74, Cl. 250-343.000.

Komatsu, Koichi, to Nissan Motor Company, Limited. Impact absorbing device using compressible liquid. 3,804,443, 4-16-74, Cl. 293-70.000.

Komatsu, Masakazu: *See—*
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Komatsu, Noboru; Nozaki, Choji; Kurauchi, Toshio; and Sakai, Toshihiko, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Safety belt. 3,790,208, 2-5-74, Cl. 297-386.000.

Komatsu, Noboru; Suzuki, Takatoshi; and Ito, Takuo, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Heat resistant Ni-Al-Be alloys. 3,807,992, 4-30-74, Cl. 75-170.000.

Komatsu, Noboru; Arai, Tohru; and Mizutani, Masayoshi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Casting method for aluminum or aluminum alloys and a mold therefor. 3,848,847, 11-19-74, Cl. 249-115.000.

Komatsu, Noboru; Arai, Tohru; Obayashi, Mikio; and Endo, Junji, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method for forming an iron-manganese carbide layer on the surface of an iron base alloy article containing carbon. 3,857,725, 12-31-74, Cl. 117-49.00.

Komatsu, Stanley: *See—*
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Komatsu, Toshiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Hoisting device for use with cranes. 3,837,503, 9-24-74, Cl. 212-83.000.

Komatsu, Yasuhiko: *See—*
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Komatsu, Youji; Kamita, Tohru; and Tanaka, Kazuo, to Maruzen Oil Company Limited. Method of hydraulic transmission of power and hydraulic fluid compositions therefor. 3,799,878, 3-26-74, Cl. 252-79.000.

Komatsubara, Saburo: *See—*
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Komazaki, Tosio, to Action Films, Inc. Motion picture apparatus. 3,791,723, 2-12-74, Cl. 352-72.000.

Kombashiri, Takamichi: *See—*
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Komendat, David T.: *See—*
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Komendowski, Henry, to Automatic Liquid Packaging, Inc. Permanently sealed containers and end caps therefor. 3,784,045, 1-8-74, Cl. 220-27.000.

Komendowski, Henry, to Automatic Liquid Packaging, Inc. Container and cap construction. 3,804,282, 4-16-74, Cl. 215-32.000.

Komendowski, Henry, to Automatic Liquid Packaging, Inc. Mixing containers. 3,809,289, 5-7-74, Cl. 222-83.000.

Kometani, Yutaka; Nakamura, Naoya; Nakagawa, Shinichi, Furukawa, Yasuyoshi; Tomodo, Masayasu; Oka, Masahiko; Nakagawa, Tsuneo; and Miyata, Yasuo, to Daikin Kogyo Co., Ltd. Polymerization process for preparing fluoroelastomer. 3,801,552, 4-2-74, Cl. 260-80.70.

Kometani, Yutaka; Koizumi, Shun; Suzuki, Takeshi; Furukawa, Yasuyoshi; and Tomoda, Masayasu, to Daikin Kogyo Co., Ltd. Fluoroelastomer composition. 3,857,807, 12-31-74, Cl. 260-29.60f.

Komeya, Katsutoshi; Tsuge, Akihiko; Inoue, Hiroshi; and Murata, Hiroyuki, to Tokyo Shibaura Electric Co., Ltd. Heat resistant and strengthened composite materials and method for producing same 3,833,389, 9-3-74, Cl. 106-55.000.

Komhyr, Walter D. Nut starter. 3,853,025, 12-10-74, Cl. 81-71.000.

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Kominami, Naoya, Tamura, Nobuhiro; Mikami, Hiroshi; and Yamamota, Etsuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Selective disproportionation of cresols. 3,790,642, 2-5-74, Cl. 260-621.00d.

Kominami, Naoya; Iwaisako, Toshiyuki; and Ohki, Kusuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Reforming with platinum-lead catalyst. 3,827,971, 8-6-74, Cl. 208-139.000

Kominami, Naoya; Iwaisako, Toshiyuki; and Ohki, Kusuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Method of producing aromatic hydrocarbons. 3,827,972, 8-6-74, Cl. 208-139.000.

Kominami, Naoya; Iwaisako, Toshiyuki; and Ohki, Kusuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Reforming with a coprecipitated platinum-lead catalyst. 3,827,973, 8-6-74, Cl. 208-139.000.
Kominami, Naoya; Iwaisako, Toshiyuki; and Ohki, Kusuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Pt-Pb catalyst compositions. 3,827,988, 8-6-74, Cl. 252-441.000.
Kominami, Naoya; Nakajima, Hitoshi; Tamura, Nobuhiro; and Ohki, Kusuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Production of vinyl acetate. 3,847,972, 11-12-74, Cl. 260-497.00a.
Kominami, Naoya; and Kitamura, Kiyoshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing benzene, toluene and polymethyl benzenes. 3,848,013, 11-12-74, Cl. 260-672.000.
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Komine, Yoshio, to Canon Kabushiki Kaisha. Auto zoom device for a motion picture camera. 3,834,796, 9-10-74, Cl. 350-187.000.
Komine, Yoshio, to Canon Kabushiki Kaisha. Photographic overlapping apparatus having safety devices for motion picture cameras. 3,851,956, 12-3-74, Cl. 352-91.00c.
Kominek, Georg, to Aktiengesellschaft Jungbunzlauer Spiritus- und Chemische Fabrik. Process for the production of trialkali citrates. 3,819,696, 6-25-74, Cl. 260-535.00p.
Komiske, Frank Charles, to Sybron Corporation. Toeboard. 3,851,858, 12-3-74, Cl. 256-59.000.
Komiya, Osamu, to Olympus Optical Co. Ltd. Envelope of an endoscope. 3,822,697, 7-9-74, Cl. 128-3.000.
Komiya, Osamu, to Olympus Optical Co., Ltd. Forceps assembly for removing cellular tissue from the body cavities. 3,840,003, 10-8-74, Cl. 128-2.00b.
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Komiya, Takao; Ihara, Takashi; Matsuo, Takehiko; Tosaka, Umi; Negishi, Hirokazu; and Ohhara, Karsunobu, to Canon Kabushiki Kaisha. Photoconductive element and process of preparing same using thermo-shrinkable material. 3,819,370, 6-25-74, Cl. 96-1.500.
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Komoda, Tsutomu; and Nomura, Setsuo, to Hitachi, Ltd. Field emission electron gun. 3,786,305, 1-15-74, Cl. 315-30.000.
Komoda, Tsutomu, to Hitachi, Ltd. Electron gun device having a field emission cathode tip protected from destruction due to ion impingement. 3,846,663, 11-5-74, Cl. 315-3.000.
Komodromos, Nicos M., to Du Pont de Nemours, E. I., and Company. Apparatus and process for measuring the light transmission of a pigmented paint film. 3,833,306, 9-3-74, Cl. 356-205.000.
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Komor, Joseph A., to GAF Corporation. Surfactant for electrolyte-containing processing solutions. 3,852,030, 12-3-74, Cl. 8-111.000.
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Komori, Hideo, to Kuroda Seiko Co., Ltd. Quick-change toolholder for non-revolvable tools. 3,815,928, 6-11-74, Cl. 279-1.00b.
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Kompfner, Rudolf; and Marcatili, Enrique Alfredo Jose, to Bell Telephone Laboratories, Incorporated. Multicore, multimode optical wave transmission line. 3,823,996, 7-16-74, Cl. 350-96.0wg.
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Kondo, Seimei: *See—*
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Konig, Klaus: *See—*
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Korchynsky, Michael; Bell, John R.; and Cover, Richard J., to Jones & Laughlin Steel Corporation. Corrosion-resistant high-strength low-alloy steels. 3,787,250, 1-22-74, Cl. 148-12.000.

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Korner, Renzo L.; White, Ralph J.; Shaffer, Robert A.; and Turner, George R., to Westinghouse Electric Corporation. High temperature, high pressure electrical penetration assembly. 3,825,669, 7-23-74, Cl. 174-11.00r.

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Kornrumpf, William P.; and Harnden, John D., Jr., to General Electric Company. Opto-electronic transducers for object detection. 3,819,938, 6-25-74, Cl. 250-222.00r.

Kornrumpf, William P.; Walden, John P.; and Walker, Loren H., to General Electric Company. Commutation failure detection and control for SCR inverters. 3,821,630, 6-28-74, Cl. 321-11.000.

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Kornylak, Andrew T., to Kornylak Corporation. Hydraulic door hinge. 3,820,282, 6-28-74, Cl. 49-255.000.

Kornylak, Andrew T.; and Tabler, Charles P., to Kornylak Corporation. Continuous molding conveyor with side clamping and release. 3,824,057, 7-16-74, Cl. 425-329.000.

Kornylak, Andrew T., to Kornylak Corporation. Conveyor apparatus. 3,826,347, 7-30-74, Cl. 198-20.00r.

Kornylak, Andrew T., to Kornylak Corporation. Rotating cable conveyor. 3,844,406, 10-29-74, Cl. 198-213.000.

Kornylak, Andrew T., to Kornylak Corporation. Vertical conveyor shelf tilting mechanism. 3,854,570, 12-17-74, Cl. 198-158.000.

Kornylak, Andrew T., to Kornylak Corporation. Powered rail conveyor. 3,857,473, 12-31-74, Cl. 198-127.00r.

Kornylak, Andrew To, to Kornylak Corporation. Radiation sensitive intrusion detection system. 3,805,064, 4-16-74, Cl. 250-221.000.

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Korodi, Miklos. Applicator apparatus for depilatory composition. 3,828,724, 8-13-74, Cl. 118-258.000.

Korodi, Miklos B. Removeable safety plug for fifth wheel slot. 3,823,961, 7-16-74, Cl. 280-432.000.

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Koronka, Paul; and Hirst, Richard John, to Imperial Chemical Industries Limited. Agricultural apparatus. 3,845,730, 11-5-74, Cl. 111-88.000.

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Korpel, Hendrik A.: *See*—
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Korpics, Charles J. Vapor phase inhibitor containing benzotriazole and tolyltriazole mixtures. 3,791,855, 2-12-74, Cl. 117-154.000

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Korr, Abraham L.; Mahoney, James F.; and Svihel, Bernard T. Apparatus and package for use in heating or cooking of food by electrical conduction through the food. 3,842,724, 10-22-74, Cl 99-358.000

Korr, Peter; Pollark, Gottfried; and Sternjakob, Rolf, to Tehalit Kunststoffwerk GmbH, Firma. Cable installation conduit with L and T joints. 3,782,420, 1-1-74, Cl. 138-156.000.

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Kors, Vernon E.; and Leadbitter, Lawrence. Manometer and pitot tube probe. 3,831,448, 8-27-74, Cl. 73-212.000.

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Korsetsky, Gennady Mikhailovich: *See*—
Bogdanov, Evdokim Stepanovich, Alexandrov, Alexandr Sergeevich; Schegolevatykh, Vadim Dmitrievich; Saveliev, Vyacheslav Ivanovich; Zakharov, Mikhail Fedorovich, Alexandrov, Jury Nikolaevich; Korsetsky, Gennady Mikhailovich, and Kucher, Arnold Arkadievich, 3,831,418.

Korsgaard, Carl S. Float tow line guide. 3,832,746, 9-3-74, Cl. 9-400.000.

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Korshak, Vasily Vladimirovich; Gribova, Irina Alexandrovna; Chumaevskaya, Alla Nikolaevna; Mgeladze, Boris Mikhailovich; Bekasova, Nina Ivanovna; Komarova, Ljudmila Grigorievna; Vinogradova, Svetlana Vasilievna; Valetsky, Petr Maximilianovich; Kalachev, Alxandr Ivanovich; Lyamenkova, Evgenia Kuzminichna; Glivka, Ljudmila Alexandrovna; Burtseva, Tamara Andreevna; and Babchinitser, Tatyana Mikhailovna. Antifriction structural material produced from composition comprising carborane-containing polymer binders ad solid lubricant. 3,850,820, 11-26-74, Cl. 252-12.000.

Korshalla, Joseph Daniel: *See*—
Dann, Murray; Korshalla, Joseph Daniel; and Shu, Ping, 3,855,410.

Korstvedt, Harald O.: *See*—
Cowdery, James R.; and Korstvedt, Harald O., 3,807,549.

Korta, Lawrence B.: *See*—
Donovan, John C.; Klein, Carl F.; Korta, Lawrence B.; and Krishnaiyer, Ramesh, 3,792,470.
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Korte, Richard M., to General Electric Company. Electric circuit breaker or the magnetic blowout type. 3,801,760, 4-2-74, Cl. 200-144.00c.

Korteling, Aart Gerrit, to U.S. Phillips Corporation. Method of and apparatus for ignition timing in internal combustion engines. 3,799,136, 3-26-74, Cl. 123-148.00e.

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Wortmann, Franz Xaver, 3,820,489.

Kortendieck, Wolfram: *See*—
Braun, Dieter; and Kortendieck, Wolfram, 3,848,285.

Kortenhaus, Dieter, to NSM Apparatebau GmbH Kommanditgesellschaft. Credit storage memory device for jukeboxes, gaming devices and the like. 3,807,541, 5-30-74, Cl. 194-1.00n.

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Kortenoeven, Koos: *See*—
Benjamins, Harm Martinus; Kortenoeven, Koos; and Panek-Finda, Helena, 3,785,990.

Korth, William P. Silencer. 3,836,097, 9-17-74, Cl. 244-1.00n.

Korthe Engineering Corporation: *See*—
Bregar, George W., 3,823,282.
Larson, Clifford L., 3,823,283.

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Kortmann, Wilfried: *See*—
Buchner, Werner; Noll, Walter; Reich, Friedrich; Kortmann, Wilfried; and Pfeiffer, Josef, 3,844,826.
Kirschneck, Helmut; Kortmann, Wilfried; and Breyer, Karl-Heinz, 3,799,801.

Kortner, Lothar: *See*—
Lamm, Heinz; and Kortner, Lothar, 3,827,411.

Korton Sciences Incorporated: *See*—
Eckerdt, George H., 3,817,494.

Kortovich, Charles S.: *See*—
Collins, Henry E.; Graham, Lawrence D.; and Kortovich, Charles S., 3,802,938.

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Koru, Seigfried; and Suling, Carl Hans, to Bayer Aktiengesellschaft. Acrylonitrile graft copolymers and a process for the production. 3,786,104, 1-15-74, Cl. 260-881.000.

Korumpas, James D.: *See*—
Peterson, Carl L.; and Korumpas, James D., 3,795,147.

Korwitz, Norman H.: *See*—
Cook, Kenneth J.; and Korwitz, Norman H., 3,852,736.

Koryagina, Elizaveta Ivanovna: *See*—
Buzhinsky, Igor Mikhailovich; Gapontsev, Valentin Pavlovich; Zhabotinsky, Mark Efremovich; Izyncev, Anatoly Andreevich; Koryagina, Elizaveta Ivanovna; Kravchenko, Valery Borisovich; Rudnitsky, Jury Petrovich; Sverchkov, Evgeny Ivanovich; Alexeev, Nikolai Eimovich; and Davydov, Boris Leonidovich, 3,846,142.

Koryta, Leonard D.: *See*—
Smykal, Robert C.; and Koryta, Leonard D., 3,796,507.

Korytkowski, Henry M.: *See*—
Preston, Norman Harvey; and Korytkowski, Henry M., 3,802,540.

Korzeb, Frank: *See*—
Shaefer, Frederick C.; Korzeb, Frank; and Bayly, William I., 3,836,324.

Korzenowski, James P.: *See*—
Lumby, Donovan H.; Buerman, James T.; and Korzenowski, James P., 3,814,007.

Kosa, Yasunobu: *See*—
Nishida, Sumio; and Kosa, Yasunobu, 3,789,503.
Yamada, Eiichi; Kosa, Yasunobu; and Sato, Eiichiro, 3,801,383.

Kosaka, Kenzo: *See*—
Ozawa, Goro; Kosaka, Kenzo; Kobayashi, Hideo; Adachi, Kiyoshi; and Okaya, Tsutomu, 3,800,374.

Kosaka, Takeshi; and Yuasa, Yoshio, to Minolta Camera Kabushiki Kaisha. Color reproduction method in a halftone dot. 3,801,736, 4-2-74, Cl. 178-5.20a.

Kosaka, Takeshi; Murakami, Sanjiro; and Naya, Mikio. Color analyzer. 3,804,531, 4-16-74, Cl. 356-176.000.

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Kosaka, Tetsuji, to Mitsui Mining & Smelting Co., Ltd. Process for removing cluster adhering to cathode during electrolysis of manganous sulfate. 3,855,088, 12-17-74, Cl. 204-96.000.

Kosaka, Tomoaki, to Pioneer Electronic Corporation. Noise reduction device of a tape recorder. 3,843,573, 10-22-74, Cl. 260-25.000.

Kosaka, Yujiro; Uemura, Masaru; Fujiki, Tokio; and Saito, Mitsutaka, to Toyo Soda Manufacturing Co., Ltd. Pressure sensitive adhesive composition comprising carboxylated polymer. 3,838,079, 9-24-74, Cl. 260-27.000.

Kosala, Katsuaki: *See*—
Ueno, Zene; Nagaoka, Tadahiko; Kosala, Katsuaki; Morita, Akira; Koga, Seiki; and Wagatsuma, Fumio, 3,792,669.

Kosano, Yoshiyasu; Nakajima, Shin; and Yagiu, Masaru, to Suntory Ltd. Preparation of alcoholic malt beverages. 3,821,418, 6-28-74, Cl. 426-16.000.

Kosarek, Daniel. Three-dimensional block puzzle. 3,845,959, 11-5-74, Cl. 273-153.00s.

Kosarev, Viktor Sergeevich: *See*—
Lidorenko, Nikolai Stepanovich; Landsman, Arkady Pavlovich; Strebkov, Dmitry Semenovich; Zaitseva, Aita Konstantinovna; Zadde, Vitaly Vinktorovich; and Kosarev, Viktor Sergeevich, 3,793,713.

Kosarko, Gerald Julius, to Eastman Kodak Company. Shroud for sound motion picture camera. 3,806,243, 4-23-74, Cl. 352-29.000.

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Koschak, Dennis F.: *See*—
Haley, Kenneth M.; Koschak, Dennis F.; Molinaro, Lawrence J.; and Reed, Richard L., 3,848,741.

Kosche, Horst. Method for the development of latent electrostatic images. 3,798,049, 3-19-74, Cl. 117-37.0le.

Koschmieder, Hartmut; Olschewski, Armin; Paschke, Hans-Dieter; Pflugner, Wolfgang; and Winkelmann, Ludwig, to Industriewerk Schaeffler O.H.G. Roller bearing. 3,802,752, 4-9-74, Cl. 308-6.00c.

Koschmieder, Hartmut; Olschewski, Armin; Paschke, Hans-Dieter; Pflugner, Wolfgang; and Rabe, Jurgen, to Industriewerk Schaeffler, OHG. Lubricating means. 3,804,203, 4-16-74, Cl. 184-64.000.

Koscik, Richard Allen, to Illinois Tool Works Inc. Cable sealing grommet. 3,836,269, 9-17-74, Cl. 403-197.000.

Kosco, Thomas J.: *See*—
Callais, Richard T.; Eisenberg, Herbert; Forbes, F. Douglas; Kosco, Thomas J.; Taxin, Harry M.; and Frost, John B., 3,790,700.
Gundersen, James L.; Julian, Richard L.; Kosco, Thomas J.; Lewis, Dan E.; and Sklar, Richard E., 3,795,771.

Kose, Tatsuo: *See*—
Yoshizawa, Toshio; Yamada, Yasuo; Taniguchi, Toshinori; Kose, Tatsuo; Ohchi, Kazuo; and Hori, Kiyokazu, 3,855,771.

Kose, Tatsuo; Hori, Kiyokazu; and Ochi, Kazuo, to Daiwa Boseki Kabushiki Kaisha and Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Automatic doffing apparatus. 3,791,126, 2-12-74, Cl. 57-53.000.

Kosecoff, Irving W. Wheelchair carrier attachable to vehicle. 3,800,967, 4-2-74, Cl. 214-450.000.

Kosfeld, Milton M.: *See*—
Gamache, Ernest A.; and Kosfeld, Milton M., 3,850,551.

Koshaev, Alexei Petrovich. Gear-cutting machine. 3,812,762, 5-28-74, Cl. 90-10.000.

Koshar, Robert J., to Minnesota Mining and Manufacturing Company. Substituted bis(fluoroalkylsulfonyl) halomethanes. 3,794,687, 2-26-74, Cl. 260-607.00a.

Koshar, Robert J., to Minnesota Mining and Manufacturing Company. Fluoroaliphatictthiomethylsilanes. 3,808,249, 4-30-74, Cl. 260-448.20n.

Koshar, Robert J., to Minnesota Mining and Manufacturing Company. Fluoroaliphatictthiomethylsiloxanes. 3,847,961, 11-12-74, Cl. 260-448.0rn.

Koshei Arita: *See*—
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Koshi, Masaki: *See*—
Ishii, Takemochi; Koshi, Masaki; and Iguchi, Masakazu, 3,822,648.
Ishii, Takemochi; Iguchi, Masakazu; and Koshi, Masaki, 3,844,224.

Koshiba, Heiji. Automatic apparatus for sequencing repair work in optimum order on malfunctions of grouped operating machines. 3,824,558, 7-16-74, Cl. 340-172.500.

Koshiba, Masao: *See*—
Inaba, Shigeho; Yamamoto, Michihiro; Ishizumi, Kikuo; Mori, Kazuo; Koshiba, Masao; and Yamamoto, Hisao, 3,829,420.
Yamamoto, Hisao; Hirohashi, Atsuko; Izumi, Takahiro; and Koshiba, Masao, 3,798,235.
Yamamoto, Michihiro; Morooka, Shigeaki; Koshiba, Masao; Inaba, Shigeho; and Yamamoto, Hisao, 3,812,118.
Yamamoto, Michihiro; Morooka, Shigeaki; Koshiba, Masao; Aono, Shunji; Aisaka, Akira; Inaba, Shigeho; Nakatani, Hiroshi; and Yamamoto, Hisao, 3,812,257.

Koshimura, Saburo: *See*—
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Koshin Sumitsukikai Kabushiki Kaisha: *See*—
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Koshirae, Kikuo: *See*—
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Koshman, Igor Filippovich: *See*—
Salukvadze, Viktor Samsonovich; Koshman, Igor Filippovich; and Doktorov, Leonid Borisovich, 3,797,060.

Koshugi, Jyoniti: *See*—
Araki, Tadashi; Asano, Kiro; and Koshugi, Jyoniti, 3,791,847.

Kosiba, Joseph K.: *See*—
Armistead, John M.; and Kosiba, Joseph K., 3,796,655.

Kosic, Ralph F.: *See*—
Casco, Ernest L.; and Kosic, Ralph F., 3,782,692.

Kosicki, Witold W.: *See*—
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Kosikawa, Kiyoshi: *See*—
Susuki, Rinnosuke; Hoshi, Hiroshi; Satto, Jiro; Takano, Koichi; and Kosikawa, Kiyoshi, 3,856,614.

Kosinov, Vyacheslav Georgievich: *See*—
Larjukhin, Grigory Artemovich; Chernyshev, Valentin Vasilievich; Nikitin, Vladislav Iosifovich; Serikov, Jury Mitrofanovich; and Kosinov, Vyacheslav Georgievich, 3,828,560.

Koski, Jerry V., to Parker-Hannifin Corporation. Hydraulically operated tube flaring tool. 3,820,375, 6-28-74, Cl. 72-316.000.

Koski, William L.; and Swenson, Emil S. Apparatus for cooling a living organ. 3,827,251, 8-6-74, Cl. 62-217.000.

Koskimies, Jouni; and Heinanen, Kauko, to Valmet Oy. Headbox of a paper making machine having multiple, vertically inclined vanes. 3,791,918, 2-12-74, Cl. 162-343.000.

Koskinen, Sulo, to Anaconda Company, The. Transformer. 3,783,415, 1-1-74, Cl. 333-25.000.

Koskinenm, Onni S. Agricultural irrigation system. 3,788,544, 1-29-74, Cl. 239-11.000.

Koskolos, Nick J., to Intertherm, Inc. Safety pilot enclosure having flame-diverting air inlet. 3,816,060, 6-11-74, Cl. 431-350.000.

Koskulitz, Joseph Allen: *See*—
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Kosky, Philip G.: *See*—
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Kosky, Philip G., to General Electric Company. Single valve vapor push pump. 3,819,301, 6-25-74, Cl. 417-209.000.

Kosla, Leslie A.: *See*—
Wireman, Jack; Linda, Yorba; and Kosla, Leslie A., 3,843,482.

Koslo, Robert Carl: *See*—
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Koslow, George. Cut-to-length machine. 3,803,962, 4-16-74, Cl. 83-110.000.

Koslowski, Manfred Gunter, to Du Pont de Nemours, E. I., and Company. Baffle for texturing jet. 3,835,510, 9-17-74, Cl. 28-1.400.

Kosmach, July Petrovich: *See*—
Grezdov, Gennady Ivanovich; Gischak, Kondrat Iosifovich; Logvinenko, Jury Pavlovich; Pukhov, Georgy Evgenievich; Simak, Lilia Alexeevna; and Kosmach, July Petrovich, 3,840,725.

Kosmala, James M.: *See*—
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Wright, James A.; and Kosmala, James M., 3,844,573.

Kosman, Karel Jan Williams; and Boivin, Louis-Philippe, to Northern Electric Company Limited. Encapsulated solid state light emitting device. 3,821,590, 6-28-74, Cl. 313-499.000.

Kosmatenko, Ivan Egorovich: *See*—
Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Chekotilo, Leonty Vasilievich; Popov, Valery Georgievich; Dubinsky, Rudolf Solomonovich; Artamonov, Viktor Leonidovich; Pavlov, Leonid Viktorovich; Lebedev, Viktor Nikolaevich; Tetjuev, Valdimir Alexandovich; Petukhov, Gleb Konstantinovich; Grigoriev, Leonid Fomich; Starodvorsky, Vladimir Semenovich; Tjurikov, Pavel Ivanovich; Kosmatenko, Ivan Egorovich; and Borovskikh, Viktor Georgievich, 3,807,487.
Tetjuev, Vladimir Alexandrovich; Medovar, Boris Izrailevich; Chekotilo, Leonty Vasilievich; Popov, Valery Georgievich, Tjurikov, Pavel Ivanovich; and Kosmatenko, Ivan Egorovich, 3,848,657.

Kosmider, Hans; and Danckeri, Dieter, to Klockner-Werke AG. Apparatus for desulphurizing pig iron. 3,792,849, 2-19-74, Cl. 266-34.00t.

Kosmol, Horst: *See*—
Gibiani, Heinz; Kiesluch, Klaus; Koch, Hans-Joachim; Kosmol, Horst; Rufer, Clemens; Schroder, Eberhard; and Walsh, Rosemarie, nee Vossing, 3,790,445.

Kosmos, John C., to Sterwin Chemicals, Inc., mesne. Electroplating brightener compositions and process. 3,850,766, 11-26-74, Cl. 204-50.00y.

Kosmos, Peter: *See*—
Dudek, Ronald P.; Kosmos, Peter; and Tesk, John A., 3,841,868.

Kosmowski, Wojciech B., to Digital Systems, Inc. Machine tool having centrifugally actuated collet. 3,795,455, 3-5-74, Cl. 408-239.000.

Kosonen, Pentti Einari, to AB Gustavsbergs Fabriker. Apparatus for processing water. 3,796,321, 3-12-74, Cl. 210-202.000.

Kosono, Kazuhiro; and Kosono, Yasukazu. Roller skate toe stop assembly. 3,844,574, 10-29-74, Cl. 280-11.200.

Kosono, Yasukazu: *See*—
Kosono, Kazuhiro; and Kosono, Yasukazu, 3,844,574.

Kosonocky, Stephan, to United States of America, Army. Projectile fuze with flexible baffle. 3,854,402, 12-17-74, Cl. 102-73.00r.

Kosonocky, Walter Frank: *See*—
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Kosowsky, David I., to Damon Corporation. Container unit for liquid sample. 3,809,068, 5-7-74, Cl. 128-2.00f.

Kosowsky, Leo N.; Lovejoy, Curtis N.; and Cunniff, John G., to Auric Corporation. Apparatus for intermittent electroplating strips. 3,788,963, 1-29-74, Cl. 204-206.000.

Kosowsky, Lester H.; and Pierro, Richard S., to United Aircraft Corporation. Low angle, air to ground ranging radar. 3,795,913, 3-5-74, Cl. 343-16.00m.

Kosrow, Robert L., and Mrowczynski, Aloizy, to Union Special Machine Company. Automatic hemming apparatus. 3,786,768, 1-22-74, Cl. 112-143.000.

Koss, George S.; and Scott, Jay R., to United States Steel Corporation. Apparatus for preventing strip accumulation. 3,826,415, 7-30-74, Cl. 225-94.000.

Koss, Muriel L., to Rohr Industries, Inc. Potting compound, high strength for 550°F. exposure. 3,793,285, 2-19-74, Cl. 260-37.0ep.

Koss, Vernon J.: *See*—
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Kossak, Rolf: *See*—
Redlich, Horst; Gluth, Joachim; and Kossak, Rolf, 3,830,968.

Kosseim, Alexander J.; and Somekh, George S., to Union Carbide Corporation. Process for the separation of aromatic hydrocarbons from a mixed hydrocarbon feedstock. 3,789,077, 1-29-74, Cl. 260-674.0se.

Kosseim, Alexander Jean-Marie: *See*—
Kubek, Daniel John; Kosseim, Alexander Jean-Marie; and Somekh, George Solomon, 3,788,980.

Kossmann, Hans, to American Can Company. Apparatus and method for electrodepositing a coating on interior surfaces of container bodies. 3,801,485, 4-2-74, Cl. 204-181.000.

Kossmann, Hans, to American Can Company. Apparatus method and valve for electrodepositing a coating on interior surfaces of container bodies. 3,849,284, 11-19-74, Cl. 204-300.000.

Kossoff, Joseph: *See*—
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Ryan, John W.; Kossoff, Joseph; Hartman, Jack E.; and Cowell, Robert Lynn, 3,841,020.

Kosta, Geza F.; and Pomper, Anthony W., to ESB Incorporated. Method of applying battery electrodes onto continuous carrier strip. 3,784,406, 1-8-74, Cl. 117-212.000.

Kosta, Peter L.: *See*—
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Kostan, Charles G., to Ford Motor Company. Signal generating mechanism. 3,783,314, 1-1-74, Cl. 310-70.000.

Kostas, James M.: *See*—

Blomstrom, Gary D.; Butler, Carl T.; Kostas, James M.; May, Czeslaw J.; Nesbit, Robert D.; and Papasideris, Stamos I., 3,800,901.

Kostas, James M., to Caterpillar Tractor Company. Pump drive for hydrostatic drive loaders. 3,797,599, 3-19-74, Cl. 180-53.00r.

Kostecky, James F.: *See*—
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Kostecky, James F., to Bethlehem Steel Corporation. Metal wall framing system. 3,845,601, 11-5-74, Cl. 52-290.000.

Kostelecky, Clarence L.: *See*—
McClocklin, Samuel B.; and Kostelecky, Clarence L., 3,787,147.

Kostelecky, Premysl: *See*—
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Kostelnicek, Richard J., to Esso Production Research Corporation. Self-righting geophone. 3,810,083, 5-7-74, Cl. 340-8.0lf.

Koster, Charles A., to Auo Electronics Development Co., Inc. Personal locator. 3,806,936, 4-23-74, Cl. 343-113.0pt.

Koster, Olav E.: *See*—
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Koster, Otto: *See*—
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Koster, Wolfgang; and Jentzsch, Harald, to Stork Amsterdam N.V. Apparatus for forming and moving vertical loops in a strip of material. 3,826,417, 7-30-74, Cl. 226-107.000.

Kosti, Carl M. Vasoconstrict or-antihistamine composition for the treatment of hypertrophied oral tissue. 3,822,349, 7-2-74, Cl. 424-54.000.

Kosti, Carl M. Anesthetic-vasoconstrictor-antihistamine composition for the treatment of hypertrophied oral tissue. 3,832,460, 8-27-74, Cl. 424-54.000.

Kosti, Carl M. Composition for the treatment of hypertrophied oral tissue. 3,839,552, 10-1-74, Cl. 424-54.000.

Kostic, Svetislav; and Le Meur, Roger, to Commissariat a l'Energie Atomique. Method and device for the detection of fission products. 3,784,823, 1-8-74, Cl. 250-370.000.

Kostjuchenko, Mikhail Ivanovich: *See*—
Vasiliev, Evgeny Mikhailovich, Egorov, Vladimir Sergeevich; Kovalenko, Jury Nikolaevich; Kostjuchenko, Mikhail Ivanovich; Litvin, Anatoly Vasilievich; Pobegailo, Grigory Gavrilovich; Churakov, Vladimir Mikhailovich; Lensky, Alexandr Nikolaevich; Prazdnikov Anatoly Vladimirovich; Sidorov, Ivan Sergeevich; Khovrin, Boris Vladimirovich; and Fabrika, Ljudmila Petrovna, 3,810,283.

Kostman, Wilmer A. Dump vehicle. 3,830,543, 8-20-74, Cl. 298-10.000.

Kostman, Wilmer A., to Tegtmeier & Sons, Inc. Dump box farm wagon. 3,844,617, 10-29-74, Cl. 298-11.000.

Kostner, Armin; and Lenhart, Richard, to Kalle Aktiengesellschaft. Process for improving the shape of a stick of longitudinally shirred artificial sausage casing. 3,798,302, 3-19-74, Cl. 264-310.000.

Kostov, Vasil Alexandrov: *See*—
Julev, Stoyan Iliev; Milkov, Mihail Yordanov; Dachev, Lyubomir Petrov; Vasilev, Rosen Petrov; Kostov, Vasil Alexandrov; and Aroyo, Jacky Sivcho, 3,829,344.

Kostrowski, John J.: *See*—
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Kostur, Robert E. Heating system. 3,826,017, 7-30-74, Cl. 34-225.000.

Kosugi, Junichi: *See*—
Araki, Tadashi; Asano, Kiro; Kosugi, Junichi; and Tamura, Fumio, 3,814,642.

Kosugi, Minoru: *See*—
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Kosumi, Masahiko. *See*—
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Kot, Francis, to United States of America, Atomic Energy Commission, mesne. Graduated SiGe alloy thermocouple. 3,822,152, 7-2-74, Cl. 136-237.000.

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Kotaka, Yasumasa, to AMP Incorporated. Electrical connector formed from coil spring. 3,795,884, 3-5-74, Cl. 339-17.01m.

Kotake, Yahide: *See*—
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Kothari, Vipin M.; and Tazuma, James J., to Goodyear Tire & Rubber Company, The. Hydrogenation process. 3,819,734, 6-25-74, Cl. 260-666.00a.

Kothaus, Erich, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Template controlled tool with means to indicate wear of the tool tip. 3,805,761, 4-23-74, Cl. 125-11.0ph.

Kothe, Erich, to Controls Company of America. Low profile pressure switch with plunger adjusting means. 3,845,265, 10-29-74, Cl. 200-835.000.

Kothe, Erich W.; Ebel, Lawrence C.; and E'Ascoli, Ralph C., to Anaconda Company, The, mesne. Pressure resistant cable. 3,812,283, 5-21-74, Cl. 174-105.00r.

Kotheimer, William C., to General Electric Company. Long-time delay circuit employing high-impedance level detector. 3,794,860, 2-26-74, Cl. 307-272.000.

Kotick, Michael Paul: *See*—
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Koton, Michail Michailovich: *See*—
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Kotov, Illijus; Falk, Morris; and Falk, Sidney, to Fort Lock Corporation. Tubular key cutting machine. 3,818,798, 6-25-74, Cl. 90-13.050.

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Korshak, Vasily Vladimirovich; Andrianov, Kuzma Andrianovich; Gribova, Irina Alexandrovna; Krasnov, Alexandr Petrovich; Khananashvili, Lotary Mikhailovich; Vasilieva, Tatyana Vsevolodovna, Elerdashvili, Georgy Vasilievich; Gureeva, Galina Ilinichna; Kotov,Valery Mikhailovich; and Brontman, Rostislav Lazarevich, 3,821,112.

Kotov, Vladimir Andreevich; Kvitko, Mikhail Pinievich; and Kirichinsky, Igo Ivanovich. Machine-tool for machining gear teeth. 3,803,767, 4-16-74, Cl. 51-33.00r.

Kotova, Antonina Nikolaevna: *See*—

Anisimov, Pavel Mikhailovich; Evgrafov, Boris Ivanovich; Kupeev, Jury Alexandrovich; Orlov, Boris Petrovich; Kotova, Antonina Nikolaevna; Turok, Galina Iosifovna; and Berman, Pavel Gdalievich, 3,831,045.

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Kotschy, Josef. Capacitor with decreased flammability. 3,786,324, 1-15-74, Cl. 317-258.000.

Kotsur, Vasily Grigorievich: *See*—
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Kott, Herbert, to Perma Pack, Inc. Alarm system having a rechargeable power pack. 3,800,207, 3-26-74, Cl. 320-13.000.

Kotter, Gustav. Machine for ironing trousers. 3,835,559, 9-17-74, Cl. 38-21.000.

Kotter, James I.: *See*—
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Kotter, James I. Pipe holding attachment for C-clamps and vises. 3,811,668, 5-21-74, Cl. 269-258.000.

Kotter, James Ivy. Pipe holding attachment for C-clamps and vises. 3,833,210, 9-3-74, Cl. 269-276.000.

Kotting, Wolfgang; and Zakrezewski, Erhard, to Steuler Industriewerke G.m.b.H. Gas-liquid contact device. 3,815,334, 6-11-74, Cl. 55-227.000.

Kottke, Lawrence F.: *See*—
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Kotuby, Paul M.; and Velicka, Alvydas, to Risdon Manufacturing Company, The. Aerosol metering valve. 3,813,013, 5-28-74, Cl. 222-402.200.

Kotula, Bruno S.: *See*—
Cole, William R.; Harrison, James W.; Kotula, Bruno S.; Mariich, Jovo S.; and Tahmisian, Theodore N., 3,799,029.

Kotwicki, Allan Joseph, to Bell Telephone Laboratories, Incorporated. Signal mode converter and processor. 3,789,199, 1-29-74, Cl. 235-150.500.

Kotz, Arthur R., to Minnesota Mining and Manufacturing Company. Electrographic recording process and apparatus using conductive toner subject to a capacitive force. 3,816,840, 6-11-74, Cl. 346-74.0es.

Kotzin, Bernard, Jr. Roller structures with thread guards. 3,801,129, 4-2-74, Cl. 280-158.00r.

Kotzsch, Hans-Joachim: *See*—
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Kotzsch, Hans-Joachim; and Buning, Robert, to Dynamit Nobel Aktiengesellschaft. Hydrolysis-resistant unsaturated organic compounds containing hindered alkoxy or aryloxy groups. 3,839,383, 10-1-74, Cl. 260-448.80r.

Koubek, Michael, to Siemens Aktiengesellschaft. Active horizontal convergence circuit with two separately adjustable waveforms. 3,798,496, 3-19-74, Cl. 315-13.00c.

Koucky, Robert Willis: *See*—
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Koudelka, Bedrich: *See*—
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Koudelka, Vladimir; and Lada, Mirko, to Naradi, narodni podnik. Pneumatic impact tool. 3,788,404, 1-29-74, Cl. 173-139.000.

Kough, John K.: *See*—
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Kough, John K.; Martin, Otis M.; and Miller, Silas N., to Ditz-Crane. Building panel enclosures for valley and hip structures. 3,785,114, 1-15-74, Cl. 52-748.000.

Koul, Maharaj K., to Union Carbide Corporation. Acid resistant alloys. 3,802,876, 4-9-74, Cl. 75-174.000.

Koula, Zdenek, to Stotz & Co. Method of and apparatus for generating, maintaining or re-establishing a vacuum in a vacuum vaporization apparatus for heating one or more liquids. 3,815,552, 6-11-74, Cl. 122-33.000.

Koulicovitch, Maurice; and Georgiou, Jean, to Societe Genevoise d'Instruments de Physique. Method of reading and interpolation for a precision rule and apparatus for carrying it out. 3,819,274, 6-25-74, Cl. 356-170.000.

Kouloheris, Anastasios P.; Huang, Min Sheng; and Fite, Charles C., to Cities Service Company. Dry extraction and purification of phosphate pebbles from run-of-mine rock. 3,806,046, 4-23-74, Cl. 241-24.000.

Koump, Valentin, to Urban Reclamation Technologies, Inc. High speed continuous casting system. 3,794,108, 2-26-74, Cl. 164-283.00s.

Kouno, Hiroshi; and Kubo, Sueki, to Kurosaki Yogyo Co., Ltd. Mobile device for repairing furnace walls and the like. 3,827,633, 8-6-74, Cl. 239-132.300.

Kouns, Herbert H., to Abex Corporation. Quick change connection apparatus. 3,821,922, 7-2-74, Cl. 91-499.000.

Kountanis, Bill; and Piper, Paul V., to BPM Associates, Inc. Flow meter. 3,792,610, 2-19-74, Cl. 73-229.000.

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Koury, Frederic, to GTE Sylvania Incorporated. Metal halide discharge lamp having an arched arc tube. 3,858,078, 12-31-74, Cl. 313-220.000.

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Kouth, Herbert, to Golde, H. T., GmbH, Firma. Safety molding for electrically actuated sliding windows. 3,793,772, 2-26-74, Cl. 49-28.000.

Koutitonsky, Serge Iginai, to Esso Research and Engineering Company. Method for producing an integral skin phenolic foam. 3,835,208, 9-10-74, Cl. 264-45.000.

Koutnik, Rodrick J. Retractable tie rack. 3,789,994, 2-5-74, Cl. 211-86.000.

Koutny, George H., to Pace Promotions, Inc. Display stand for supporting prehung articles. 3,827,571, 8-6-74, Cl. 211-59.000.

Kouwenhoven, Herman W.; Pijpers, Franciscus W.; and Campagne, Nicolaas Van Lookeren, to Shell Oil Company. Sulfur dioxide removal. 3,832,445, 8-27-74, Cl. 423-244.000.

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Kovac, Stephen Robert. Trocar-catheter assembly. 3,856,020, 12-24-74, Cl. 128-347.000.

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Kovacevic, Radoslav. Tool for use as jar and bottle opener 3,822,614, 7-9-74, Cl. 81-3.420.

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Kovach, Leslie J. Dental cleaning and massaging device. 3,800,786, 4-2-74, Cl. 128-66.000

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Kovach, Stephen M.; and Patrick, Ralph E., to Ashland Oil, Inc. Method and recovery of benzene and toluene. 3,806,553, 4-23-74, Cl. 260-674.00r.

Kovach, Stephen M.; Patrick, Ralph E.; and Kmecak, Ronald A., to Ashland Oil, Inc. Process for hydrogenation-hydrotreating of hydrocarbon mixtures. 3,836,453, 9-17-74, Cl. 208-143.000.

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Kovacs, George E. Lawn mower hitch. 3,832,834, 9-3-74, Cl. 56-6.000.
Kovacs, Jenoe; and Eisfeld, Wolfgang, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of soluble polyimides. 3,817,927, 6-18-74, Cl. 260-65.000.
Kovacs, Jenoe; and Schefczif, Ernst, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of poly(amide-imides). 3,817,942, 6-18-74, Cl. 260-78.0tf.
Kovacs, Jozsef; Hegyesi, Janos; and Sarlos, Agoston, to Csepeli Kerekpar-es Varrogepgyar. Button sewing machine. 3,807,327, 4-30-74, Cl. 112-110.000.
Kovacs, Sandor; and Felsovalyi, Gyorgy, to Merestechnikai Kozponti Kutato Laboratorium. Apparatus for measuring the density of a fluid by resonance. 3,831,433, 8-27-74, Cl. 73-32.00a.
Kovacs, Stephen G. Magnetic heart pump. 3,791,769, 2-12-74, Cl. 417-417.000.
Koval, Leonide P., to General Electric Company. Current-limiting circuit breaker. 3,813,619, 5-28-74, Cl. 335-16.000.
Kovalenko, Boris Petrovich: *See—*
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Kowal, Leonard J.; and Gibson, Robert C., to Imperial-Eastman Corporation. Can tapper with explosion preventing means. 3,817,302, 6-18-74, Cl. 141-383.000.
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Kowalewski, Rolf E., to Motorola, Inc. Radio frequency switch employing reed switches and a quarter wave line. 3,800,222, 3-26-74, Cl. 325-23.000.
Kowalik, John J., to International Harvester Company. Close coupled frame steered all-crawler tractor. 3,789,942, 2-5-74, Cl. 180-9.440.
Kowalski, Alfred. Breathing system protecting apparatus with a closed or semi-open circulation of respiration gas. 3,805,779, 4-23-74, Cl. 128-142.000.
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Kowalski, Walter C.; and Them, Edward G., to Therm-O-Disc Incorporated. Thermostat with mounting means. 3,827,013, 7-30-74, Cl. 337-354.000.
Kowalski, Xavier, to Monsanto Company. Bleaching compositions. 3,795,625, 3-5-74, Cl. 252-186.000.
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Kozu, Isao; Kurihara, Hidetoshi; and Hino, Tetsuo, to Matsushita Electric Industrial Co., Ltd. Automatic cassette changer. 3,810,239, 5-7-74, Cl. 360-92.000.
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Kraay, Russell J.; and Farkas, Eugene, to Lilly, Eli, and Company. 17 Alpha-ethynylestriol 3-cyclopentyl ether. 3,790,605, 2-5-74, Cl. 260-397.500.
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Kraft, Robert E., to FMC Corporation. Latch mechanism for extensible boom. 3,788,492, 1-29-74, Cl. 212-55.000.
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Krakowski, Anthony J.; and Krakowski, Daniel S. Air hose adapter. 3,827,635, 8-6-74, Cl. 239-391.000.
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Krakowski, John F., to Methods, Inc. Method and apparatus for increasing portion yield from industry standard frozen fish blocks. 3,789,459, 2-5-74, Cl. 17-52.000.
Kral, Edward F., Jr. Swim starting block with adjustable handle. 3,809,392, 5-7-74, Cl. 272-57.00r.
Kral, Fred; and Powers, Robert L., Jr., to Bell & Howell Company. Magnetic card readout machine and cards therefor. 3,855,619, 12-17-74, Cl. 360-73.000.
Kral, Fred G., to Bell & Howell Company. Control sensor. 3,813,521, 5-28-74, Cl. 235-61.11d.
Kral, Rudolf; and Bruckner, Hermann, to Kraftwerk Union Aktiengesellschaft. Steam generator with flat combustion chamber bottom. 3,809,016, 5-7-74, Cl. 122-6.00a.
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Krall, Albert D.; Anderson, Wallace E.; and Syeles, Albert M., to United States of America, Navy. Microwave timing circuit for beam steering. 3,806,947, 4-23-74, Cl. 343-854.000.
Krall, Harry J., to Eastman Kodak Company. Photographic product with photographically transparent magnetic recording medium. 3,782,947, 1-1-74, Cl. 96-67.000.
Krall, Heribert A.; and Maag, Helmut, to Technica-Guss GmbH. Strand milling machine. 3,791,258, 2-12-74, Cl. 90-21.00c.
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Kralowetz, Bruno. Forging press. 3,834,214, 9-10-74, Cl. 72-407.000.
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Kralowetz, Bruno. Process and machine for swaging rectangular-section workpieces. 3,837,210, 9-24-74, Cl. 72-403.000.
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Kralstein, Sheldon D.: *See*—
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Kramb, Kenneth D.; and Isabell, Walter J., to K.I.C. Incorporated. Container safety closure. 3,827,593, 8-6-74, Cl. 215-9.000.
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Krambeck, Robert Harold: *See*—
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Krambeck, Robert Harold; and Walden, Robert Henry, to Bell Telephone Laboratories, Incorporated. Charge coupled devices employing nonuniform concentrations of immobile charge along the information channel. 3,789,267, 1-29-74, Cl. 317-225.00e.
Krambeck, Robert Harold; and Strain, Robert Joseph, to Bell Telephone Laboratories, Incorporated. Compensating circuit for semiconductive apparatus. 3,831,041, 8-20-74, Cl. 307-304.000.
Kramell, Hans Peter, to Xerox Corporation. Telephone handset vibrator. 3,825,686, 7-23-74, Cl. 179-1.00e.
Kramell, Hans Peter, to Xerox Corporation. Filtering system for pyrographic recorders. 3,840,880, 10-8-74, Cl. 346-74.00s.
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Kramer, Daniel E. Pressure switch for refrigeration systems. 3,791,161, 2-12-74, Cl. 62-226.000.
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Kramer, Daniel E. Refrigeration systems with visual indicators. 3,839,877, 10-8-74, Cl. 62-126.000.
Kramer, Daniel E. Dual voltage speed control for forced air heat exchanger. 3,853,174, 12-10-74, Cl. 165-39.000.
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Kramer, David E., to Woodhead, Daniel, Inc. Hand lamp with pivotable wire cage section. 3,835,311, 9-10-74, Cl. 240-54.00r.
Kramer, David W., to Smith, A. O., Corporation. Dual coating for protecting metal surface during heat treatment. 3,836,380, 9-17-74, Cl. 117-6.000.
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Kramer, Fritz, to U. F. Chemical Corporation. Fire stop between floor slab and curtain wall of building. 3,786,604, 1-22-74, Cl. 52-232.000.
Kramer, Fritz. Method of making a display device for plants. 3,833,696, 9-3-74, Cl. 264-51.000.
Kramer, George C., to Branson Instruments, Incorporated. Electronic safety control circuit. 3,813,021, 5-28-74, Cl. 228-1.000.
Kramer, Gerald J.: *See*—
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Kramer, Hermann. Hydraulic conveying apparatus. 3,804,561, 4-16-74, Cl. 418-96.000.
Kramer, Howard J., and Klein, Ira. Datable food storage container. 3,818,858, 6-25-74, Cl. 116-133.000.
Kramer, Hyman. Portable pedestal for lawn umbrellas, stanchions, and the like. 3,794,279, 2-26-74, Cl. 248-44.000.
Kramer, Irvin R., to Martin Marietta Corporation. Method of increasing the fatigue resistance and creep resistance of metals and metal body formed thereby. 3,817,796, 6-18-74, Cl. 148-11.50r.
Kramer, Jack M.; and Sitabkhan, Abdul N., to HTL Industries, Inc. Protection system. 3,788,666, 1-29-74, Cl. 280-150.0ab.
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Kramer, John F. Fluid conduit arrangement. 3,846,083, 11-5-74, Cl. 29-157.00r.
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Kramer, Leonard; and Happel, John. Controlling coke in the prolysis of hydrocarbons tl acetylene and hydrogen. 3,843,744, 10-22-74, Cl. 260-679.000.

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Kramer, Robert G., to Diamond International Corporation. Simulated prewrap carton and automatic lock bottom arrangement. 3,790,064, 2-5-74, Cl. 229-37.00r.

Kramer, Stanley J.; and Cebular, Edward J. Hydraulic motor and drive attachment. 3,844,197, 10-29-74, Cl. 91-52.000.

Kramer Trenton Company: *See*—
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Kramer, Walter W., to Fuller Company. Apparatus for dispersing pneumatically conveyed material. 3,799,621, 3-26-74, Cl. 302-17.000.

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Kramoski, John N. Anchor caddy. 3,843,999, 10-29-74, Cl. 24-134.0kc.

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Kranz, Jeremiah J. Choke means. 3,812,610, 5-28-74, Cl. 42-79.000.

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Krapcho, John, to Squibb, E. R., & Sons, Inc. Substituted cycloalkyl ureas. 3,852,347, 12-3-74, Cl. 260-553.00a.

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Krauer, Otto Albert, to Otis Elevator Company. Control system for a reluctance type motor. 3,783,358, 1-1-74, Cl. 318-166.000.

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Kraus, Alfred P.; Kraus, Lorraine M.; and Wood, John L., to University of Tennessee Research Corporation, The. Protein molecular prosthesis mediated by carbamyl phosphate and carbamyl phosphate derivations. 3,856,624, 12-24-74, Cl. 195-1.800.

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Kraus, Charles E., to Excelermatic, Inc. Internal clutch. 3,835,974, 9-17-74, Cl. 192-87.150.

Kraus, Charles Edward, to Excelermatic, Inc. Turbine drive. 3,841,173, 10-15-74, Cl. 74-751.000.

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Kraus, Theodore C.; and Scardera, Michael, to United States of America, Army, mesne. Preparation of AlH_3 via $NaAlH_4$-$AlCl_3$ in ether-toluene. 3,857,930, 12-31-74, Cl. 423-645.000.

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Krause, Konrad A., to International Business Machines Corporation. Ink jet printer with ink system filter means. 3,786,517, 1-15-74, Cl. 346-75.000.

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Kreuzer, Julius E., to Midland-Ross Corporation. Power transmission apparatus, especially cable and cable bus housings. 3,798,346, 3-19-74, Cl. 174-15.00c.
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Krier, Phillip; and Fendler, Lothar, to Mirabed AG, mesne. Upholstered body and method of making same. 3,821,823, 7-2-74, Cl. 5-351.000.
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Kring, Elbert Victor; and Wolfe, William Ray, Jr., to Du Pont de Nemours, E. I., and Company. Measurement of carbon monoxide in gas mixtures. 3,852,169, 12-3-74, Cl. 204-1.00t.
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Krinke, Harlan L., to Minnesota Mining and Manufacturing Company. Illuminating device. 3,857,029, 12-24-74, Cl. 240-41.300.
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Kristen, Reiner; and Liska, Manfred, to Siemens Aktiengesellschaft. Electric motor construction. 3,809,935, 5-7-74, Cl. 310-68.000.
Kristensen, Paul A.; and Simon, William F., to S. K. S. Limited. Method of joining a filament to a metal rod. 3,835,912, 9-17-74, Cl. 163-5.000.
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Kroeck, Herbert. Control for lawn sprinkler. 3,823,874, 7-16-74, Cl. 239-65.000.
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Kroes, Willem Jacobus, to Stichling Revalidatie Research Schiedam. Page turning device. 3,800,453, 4-2-74, Cl. 40-104.00a.
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Kroger, Harry, to Sperry Rand Corporation. High frequency diode energy transducer and method of manufacture. 3,786,316, 1-15-74, Cl. 317-234.00r.
Kroger, Harry; and Potter, Curtis N., to Sperry Rand Corporation. High frequency diode and method of manufacture. 3,816,194, 6-11-74, Cl. 156-3.000.
Kroger, Harry, to Sperry Rand Corporation. Bistable semiconductor temperature sensor. 3,829,886, 8-13-74, Cl. 357-23.000.
Kroger, Harry; and Wegener, Horst A. R., to Sperry Rand Corporation. Controlled inversion bistable switching diode. 3,831,185, 8-20-74, Cl. 357-6.000.
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Krohn, Duane D., to Binks Manufacturing Company. Trigger assembly for a spray gun. 3,836,082, 9-17-74, Cl. 239-526.000.
Krohn, Duane D.; and Smith, Kenneth E., to Binks Manufacturing Company. Spray apparatus. 3,840,179, 10-8-74, Cl. 239-1.000.
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Krohn, Henry W., to Eaton Corporation. Pressure change indicator. 3,800,736, 4-2-74, Cl. 116-70.000.
Krohn, Holger, to Rexroth, G. L., GmbH. Arrangement for converting polar coordinate servo actuating signals into rectangular coordinate actuating signals. 3,816,736, 6-11-74, Cl. 235-186.000.
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Krolak, Ronald L.; and Oestmann, Eldon D., to Caterpillar Tractor Company. Track frame reciprocating mechanism for track-type tractors. 3,825,309, 7-23-74, Cl. 305-31.000.
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Kroll, Gert Wolfgang. Filter device. 3,791,111, 2-12-74, Cl. 55-341.000.
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Kroll, Raymond A., to Outboard Marine Corporation. Reversible transmission. 3,842,788, 10-22-74, Cl. 115-34.00r.
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Krom, Lynn C.; and Milton, Thomas J., to General Motors Corporation. Key indicating switch. 3,801,756, 4-2-74, Cl. 200-44.000.
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Kromanaker, Dennis P. Tire protector. 3,854,448, 12-17-74, Cl. 118-505.000.
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Kron, Heinz; and Grommes, Helmut, to Babcock & Wilcox Limited. Wear plate. 3,829,031, 8-13-74, Cl. 241-182.000.
Kron, Martin W., to Eastman Kodak Company. Web edge guide system. 3,786,974, 1-22-74, Cl. 226-19.000.
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Kron, Reuben E., to University of Pennsylvania, Trustees, The. Instrumented newborn nursing system. 3,790,016, 2-5-74, Cl. 215-11.00r.
Kronberg, George H.: *See—*
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Krone, Russell R.; and Krone, Donald R. Apparatus for remote register readout. 3,806,650, 4-23-74, Cl. 179-2.00a.
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Kronebert, Hans-Gunther: *See—*
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Kroner, Heinz: *See—*
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Kroner, Klaus, to U.S. Philips Corporation. Circuit arrangement for the phase adjustment of a PAL switch. 3,824,412, 7-16-74, Cl. 307-269.000.
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Kronheim, John H.: *See—*
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Kronick, Melvyn H.; and Wilson, Samuel H., to United States of America, Health, Education and Welfare. Apparatus for performing assays on reactions that produce radioactive gases. 3,844,894, 10-29-74, Cl. 195-127.000.
Kronick, Melvyn N.; MacLowry, James; and Bruce, Daniel, to United States of America, Health, Education and Welfare. Bacteria detector. 3,819,489, 6-25-74, Cl. 195-127.000.
Kronig, Walter: *See—*
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Kroon, William L., to Ampex Corporation. Magnetic head. 3,843,968, 10-22-74, Cl. 360-121.000.
Kropelnicki, Matt. Fishing reel with coaxial drag and mounting assemblies. 3,814,345, 6-4-74, Cl. 242-106.000.
Kropelnitski, Edward. Jump measuring device. 3,795,396, 3-5-74, Cl. 272-59.00c.
Kropf, Manfred, to Triumph International Aktiengesellschaft. Cutting device for sewing machines. 3,848,554, 11-19-74, Cl. 112-124.000.
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Krouse, Theodore L. Building structure fastener. 3,849,012, 11-19-74, Cl. 403-188.000.
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Kritz, Jacob A.; and Lerner, Seymour D., to Sperry Rand Corporation. Doppler speed log. 3,795,893, 3-5-74, Cl. 340-3.00d.
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Kroes, Willem Jacobus, to Stichling Revalidatie Research Schiedam. Page turning device. 3,800,453, 4-2-74, Cl. 40-104.00a.
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Kroger, Harry; and Potter, Curtis N., to Sperry Rand Corporation. High frequency diode and method of manufacture. 3,816,194, 6-11-74, Cl. 156-3.000.
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Krohn, Henry W., to Eaton Corporation. Pressure change indicator. 3,800,736, 4-2-74, Cl. 116-70.000.
Krohn, Holger, to Rexroth, G. L., GmbH. Arrangement for converting polar coordinate servo actuating signals into rectangular coordinate actuating signals. 3,816,736, 6-11-74, Cl. 235-186.000.
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Krolak, Ronald L.; and Oestmann, Eldon D., to Caterpillar Tractor Company. Track frame reciprocating mechanism for track-type tractors. 3,825,309, 7-23-74, Cl. 305-31.000.
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Kroll, Fridthof Berg; and Lang, Berthold Gerhard. Change-over unit for hoisting appliances. 3,794,185, 2-26-74, Cl. 212-105.000.
Kroll, Gert. Device for cleaning pough-like filters. 3,805,494, 4-23-74, Cl. 55-300.000.
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Krolopp, Otto C.; and Angstadt, John W., to Blaw-Knox Food and Chemical Equipment, Inc. Air by-pass pressure sifter. 3,796,312, 3-12-74, Cl. 209-312.000.
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Kronick, Melvyn H.; and Wilson, Samuel H., to United States of America, Health, Education and Welfare. Apparatus for performing assays on reactions that produce radioactive gases. 3,844,894, 10-29-74, Cl. 195-127.000.
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Kronig, Walter: *See*—
Schwerdtel, Wulf; Kronig, Walter; Scharfe, Gerhard; and Swodenk, Wolfgang, 3,838,019.
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Kronish, Donald P.; and Young, William D., Jr., to Warner-Lambert Company. Diagnostic composition for the detection of nitrite. 3,785,929, 1-15-74, Cl. 195-100.000.
Kronish, Donald P.; Zuriff, Lee S.; Young, William D.; and Lewandowski, Paul R., to Warner-Lambert Company. Moisture barrier. 3,846,247, 11-5-74, Cl. 195-12.00t.
Kronman, Seymour: *See*—
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Kronoff, Clarence R.; and Hayden, Donald F., to Crompton & Knowles Corporation. Selvage needle motion in a narrow ware loom. 3,788,361, 1-29-74, Cl. 139-124.000.
Kronos Titan-G.m.b.H.: *See*—
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Kronprinz Aktiengesellschaft: *See*—
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Kroon, William L., to Ampex Corporation. Magnetic head. 3,843,968, 10-22-74, Cl. 360-121.000.
Kropelnicki, Matt. Fishing reel with coaxial drag and mounting assemblies. 3,814,345, 6-4-74, Cl. 242-106.000.
Kropelnitski, Edward. Jump measuring device. 3,795,396, 3-5-74, Cl. 272-59.00c.
Kropf, Manfred, to Triumph International Aktiengesellschaft. Cutting device for sewing machines. 3,848,554, 11-19-74, Cl. 112-124.000.
Kropiwnicki, Tadek M.: *See*—
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Kropp, James E., to Minnesota Mining and Manufacturing Company. Use of sulfonic acid salts in cationic polymerization. 3,842,019, 10-15-74, Cl. 260-2.0ep.
Kropp, Rudolf: *See*—
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Kropp, Willis A., to Hunt, Alexander C. Dual motion child resistant closure. 3,848,763, 11-19-74, Cl. 215-225.000.
Kropscott, Earle L.; and Wittenbach, Gerald R., to Dow Chemical Company, The. Process for molding objects from rapid-setting polyurethane compositions. 3,789,100, 1-29-74, Cl. 264-219.000.
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Krosnar, Thomas Charles: *See*—
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Krossa, Kenneth D.: *See*—
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Kroth, Neil W.; Lohbauer, Kenneth R.; and Scheidt, James E., to Caterpillar Tractor Company. Low effort, proportional control valve. 3,847,180, 11-12-74, Cl. 137-596.130.
Krotkov, Vladimir Nikolaevich: *See*—
Starostin, Jury Stepanovich; Plokhov, Viktor Ivanovich; Erokhov, Veniamin Kuzmich; Ivanov, Vladimir Prokopievich, Krotkov, Vladimir Nikolaevich; Anisimov, Albert Viktorovich; Ajupov, Rustem Nurievich; and Golovinov, Mikhail Fedortovich, 3,824,832.
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Krout, Leo Martin. Ship salvage apparatus. 3,814,043, 6-4-74, Cl. 114-54.000.
Krowicki, Krzysztof; and Zamojski, Aleksander, to Polska Akademia Nauk. Process for preparing 8-hydroxyerthromycin A and intermediates therefor. 3,855,200, 12-17-74, Cl. 260-210.00c.

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Krtous, George F., to Bell & Howell Company. Film feed mechanism for reel projectors and the like. 3,822,935, 7-9-74, Cl. 352-166.000.
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Kruckel, Peter Alexander, to Messrs. Schwan-Bleistift-Fabrik. Dispenser. 3,815,734, 6-11-74, Cl. 206-443.000.
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Krueger, Achim R., to Du Pont de Nemours, E. I., and Company. Primer compositions comprising zinc chromate, stabilizers and acrylate polymers containing oxazolidine units. 3,839,271, 10-1-74, Cl. 260-41.00b.
Krueger, Archie S.; Slye, Norman J.; and Diring, James A., to Alwin Manufacturing Company, Inc. Roll towel dispenser. 3,843,218, 10-22-74, Cl. 312-38.000.
Krueger, Carl M. Cinch buckle. 3,805,338, 4-23-74, Cl. 24-188.000.
Krueger, Dennis L., to Minnesota Mining and Manufacturing Company. Separator for removing a dispersed liquid phase from a continuous liquid phase. 3,847,821, 11-12-74, Cl. 210-488.000.
Krueger, Friedrich; and Bauer, Lieselotte, to Benckiser, Joh. A., GmbH. Process of preventing scale and deposit formation in aqueous systems. 3,784,469, 1-8-74, Cl. 210-58.000.
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Krueger, John A.; and Ross, James W., to Orion Research Incorporated. Method and cell for sensing nitrogen oxides. 3,830,709, 8-20-74, Cl. 204-1.00t.
Krueger, Keith Theophil, to I-T-E Imperial Corporation. Anti-singular pleating device. 3,792,222, 2-12-74, Cl. 200-169.00r.
Krueger, Keith Theophil, to I-T-E Imperial Corporation. Contact holder with adjustably mounted switch. 3,829,807, 8-13-74, Cl. 337-6.000.
Krueger, Leland Ray; and Holt, Dana Rey, to Newport General Corporation. Vacuum skin packaging and packages. 3,830,365, 8-20-74, Cl. 206-471.000.
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Kruger, James; and LePage, Gerard T., to Scovill Manufacturing Company. Key container assembly. 3,826,118, 7-30-74, Cl. 70-456.00b.
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Kruger, Jean J.; and Rossitto, Vincent E., said Kruger assor. to Rossitto, Vincent E. Method and apparatus for removing liquid contaminants from a submerged tank. 3,813,887, 6-4-74, Cl. 61-69.00r.
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Kruh, Daniel, to General Electric Company. Soluble amide-imide polymers terminated with olefin groups. 3,843,602, 10-22-74, Cl. 260-47.0cp.
Kruhn, Jurgen; Gunther, Herbert; and Laube, Jochen, to Licentia Patent-Verwaltungs-G.m.b.H. Tape cartridge and reproduction instrument therefor. 3,807,652, 4-30-74, Cl. 242-195.000.
Kruhn, Jurgen, to Licentia Patent-Verwaltungs-G.m.b.H. Arrangement for automatically gripping and winding up a recording tape. 3,836,095, 9-17-74, Cl. 242-195.000.
Kruis, August; Manhard, Hans; and Schliebener, Claus, to Linde Aktiengesellschaft. Process for the drying of cracking gases. 3,844,736, 10-29-74, Cl. 55-32.000.
Kruiswijk, Franciscus Josephus, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid. Transporter for conveying large living organisms under substantially sterile conditions. 3,841,324, 10-15-74, Cl. 128-132000.
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Krumbein, Fritz, to Bosch, Robert, Photokino GmbH. Motion picture projector with film stripping mechanism. 3,829,039, 8-13-74, Cl. 242-192.000.
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Krume, Robert E. Ski Vehicle with improved front support means. 3,783,959, 1-8-74, Cl. 180-6.00a.
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Krumreich, Charles Louis; Mulbarger, Albert Eugene, Jr.; and Walden, Stephen William, to Bell Telephone Laboratories, Incorporated. Connector. 3,850,497, 11-26-74, Cl. 339-126.00r.
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Krupa, John E., to United States of America, Navy. Radio frequency switching circuit. 3,790,824, 2-5-74, Cl. 307-256.000.
Krupansky, Carl S. Waterproof flashlight. 3,794,825, 2-26-74, Cl. 240-10.630.
Krupen, Philip, to United States of America, Army. Computer interceptor proximity fuze. 3,850,103, 11-26-74, Cl. 102-70.20p.
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Krupin, Alexandr Vasilievich; Roschin, Valentin Fedorovich; Alekhin, Leonid Petrovich; Izotov, Valery Mikhailovich; Burov, Oleg Alexandrovich; Gavrilov, Viktor Mikhailovich; Chekanov, Alexandr Ermolaevich; Lepin, Viktor Petrovich; and Vinogradov, Fedor Terntievich. Ring-rolling mill. 3,822,574, 7-9-74, Cl. 72-110.000.
Krupin, Fred; Beiswanger, John P. G.; and Nassry, Assadullah, to GAF Corporation. Slushing oil or rust inhibiting compositions. 3,857,789, 12-31-74, Cl. 252-33.400.
Krupnick, Albert C.; Key, Carlo F.; and Harwell, Roger J., to United States of America, National Aeronautics and Space Administration. Nonflammable coating compositions. 3,784,499, 1-8-74, Cl. 260-29.60s.
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Krus, Jerome J.; Quinn, Governor V.; and Jordan, Ulice A., to Three-Line Research and Development Co., Inc. Athletic shoe. 3,807,061, 4-30-74, Cl. 36-2.50r.
Krusche, Kurt, to Allstar Verbrauchsgueter GmbH. & Co. Nozzle for vacuum cleaner. 3,833,962, 9-10-74, Cl. 15-400.000.
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Kruse, Friedel; Rudszinat, Willy; Wahle, Gunter; and Erdmann, Otto, to Hauni-Werke Korber & Co., KG. Method and machine for the making of cigarette packs of the like. 3,805,477, 4-23-74, Cl. 53-32.000.
Kruse, Fritz, to Wohlenberg, H., Kommanditgesellschaft. Device for exact angle-positioning of paper piles in paper cutters. 3,847,386, 11-12-74, Cl. 271-171.000.
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Kruse, Walter M., to Hercules, Incorporated. Tetraalkylchromium compounds. 3,798,250, 3-19-74, Cl. 260-438 50r.
Krusemark, Frederick A. Mechanical linkage. 3,788,161, 1-29-74, Cl. 74-516.000.
Kruspe, Henry R.; and Perkins, N. Kenneth, to International Business Machines Corporation. Pressurizing system for ink jet printing apparatus. 3,831,727, 8-27-74, Cl. 197-1.00r.
Kruszewski, William Frank, to GTE Sylvania Incorporated. Gated AFC circuit. 3,814,843, 6-4-74, Cl. 178-5.8af.
Krutak, James J., Sr., to Eastman Kodak Company. 3-[(Amino)-phenyl] indoline compounds and process for manufacturing the same. 3,829,436, 8-13-74, Cl. 260-326.110.
Krutashov, Anatoly Vasilievich. Inertia speed synchronizer. 3,804,218, 4-16-74, Cl 192-53.00e.
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Krutsinger, Jack K.; Bullat, Carl N.; and Munson, Robert E., to Ball Brothers Research Corporation. Dual slot antenna device. 3,810,183, 5-7-74, Cl. 343-708.000.
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Krysiak, Joseph E. Portable, crash-emergency ground effects skirt. 3,792,749, 2-19-74, Cl. 180-127.000.
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Kubiak, John W., to Torit Corporation, The. Filtering apparatus with pneumatic intermittent cleaning. 3,837,150, 9-24-74, Cl. 55-272.000.
Kubiak, John W., to Torit Corporation, The. Continuous on line tube house. 3,838,555, 10-1-74, Cl. 55-96.000.
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Kubitz, Wayne H. Apparatus for cutting and shredding wood. 3,801,027, 4-2-74, Cl. 241-225.000.
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Kubo, Masayoshi; and Horikawa, Takeshi, to Daicel Ltd. Process for producing pyridine carboxylic acids. 3,801,584, 4-2-74, Cl. 260-295.000.
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Kubota, Hiroaki; Nakamura, Yoshithugu; and Hasegawa, Ryoichi, to Teijin Limited. Thermoplastic polycarbonate [polybutadiene-methacrylate-styrene graft polymer] styrene-acrylonitrile copolymer blends. 3,852,394, 12-3-74, Cl. 260-873.000.
Kubota, Hiroshi; and Suzuki, Tomohiko, to Furuno Electric Company, Limited. Collision alarming system. 3,787,845, 1-22-74, Cl. 343-7.0cd.
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Kubota, Shiegeki: *See*—
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Leonid Fedorovich; Timashov, Viktor Alexandrovich; Asoiants, Grigory Bagradovich; Sapko, Alxandr Ivanovich; Topilin, Valentin Vasilievich; Kosyrev, Lev Konstantinovich; Tjulkin, Andrei Alexeevich; Nakhabin, Vyacheslav Vasilievich; Kultygin, Vasily Semenovich; Sergeev, Georgy Nikolaevich; Kucherenko, Pavel Petrovich; Gostry, Petr Dmitrievich; Barnov, Anotaly Alexeevich; and Zaika, Oleg Nikolaevich, 3,821,979.

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Kudo, Teizo; Ikeda, Saizo; Sonoyama, Yuzo; and Kotani, Motoharu, to Daicel Ltd. Process for producing high impact resistance resins. 3,825,625, 7-23-74, Cl. 260-880.00r.

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Kudo, Tomoaki: *See*—
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Kuebler, Ervin L. Dispensing apparatus. 3,854,625, 12-17-74, Cl. 221-198.000.

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Kuecken, John A.; and Polgar, Michael S., to International Telephone and Telegraph Corporation. Shortened turnstile antenna. 3,789,416, 1-29-74, Cl. 343-792.000.

Kuecken, Jorn A., to Radionics, Inc. Measurements apparatus. 3,796,950, 3-12-74, Cl. 324-61.00r.

Kuehl, Donald K.; Fanti, Roy; and Galasso, Salvatore F., to United Aircraft Corporation. Process for pyrolytic deposition of boron on a metal substrate. 3,811,930, 5-21-74, Cl. 117-107.20r.

Kuehl, Guenter H., to Mobil Oil Corporation. Hydrocarbon conversion process employing a crystalline aluminosilicate and method of preparing the same. 3,791,964, 2-12-74, Cl. 208-120.000.

Kuehl, Paul B., to General Motors Corporation. Exhaust gas recirculation control. 3,820,514, 6-28-74, Cl. 123-119.00a.

Kuehn, Arthur C.; and Kuebler, Richard M. Aquaculture structure and method. 3,822,504, 7-9-74, Cl. 47-1.200.

Kuehn, Donald E.; and Lyon, John Keith, to TRW Inc. Chuck assembly for fasteners. 3,816,895, 6-18-74, Cl. 29-200.00p.

Kuehn, Donald E.; and Lyon, J. Keith, to TRW Inc. Method of attaching a fastener to a support with an air operated gun. 3,848,322, 11-19-74, Cl. 29-453.000.

Kuehn, Eberhard: *See*—
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Kuehn, Erich, to Atlas Chemical Industries, Inc. Polymerizable urethane compounds. 3,856,830, 12-24-74, Cl. 260-404.00s.

Kuehn, Howard E.: *See*—
Andriola, Achilles D.; Kuehn, Howard E.; Whittum, Warren C.; and Wink, Donald E., 3,855,681.

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Kuehne, Gerhard B.: *See*—
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Kuehnhanss, Gerhard O., to Ethyl Corporation. Process of converting sultones to hydroxyalkylsulfonates. 3,849,486, 11-19-74, Cl. 260-513.00r.

Kuehnle, Manfred R., to Audac Corporation. Information storage and retrieval system. 3,820,890, 6-28-74, Cl. 355-5.000.

Kuehnle, Manfred R., to Coulter Information Systems, Inc. Thin film deposition apparatus using segmented target means. 3,829,373, 8-13-74, Cl. 204-298.000.

Kuemmerlin, Walter, to Zarges Leichtbau GmbH, Firma. Joint for collapsible ladders. 3,811,151, 5-21-74, Cl. 16-144.000.

Kueny, Don F. Shallow water drive link control. 3,835,807, 9-17-74, Cl. 115-41.00r.

Kueny, Kenneth E., to Sealed Power Corporation. Sintered metal containing titanium carbide particles and method for making same. 3,850,583, 11-26-74, Cl. 29-187.700.

Kuenzel, Robert R. Safety attachment. 3,812,815, 5-28-74, Cl. 116-28.00r.

Kuenzi, William A., to Miller Brewing Company. Beer carton. 3,788,538, 1-29-74, Cl. 229-23.00r.

Kuenzig, Fred J.; and Montano, Joseph V., to Galion, Jeffrey, Inc. Chain construction. 3,811,334, 5-21-74, Cl. 74-251.00r.

Kuerten, Heribert; Nagel, Otto; Platz, Rolf; and Sinn, Richard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Method and apparatus for mixing gas and liquid. 3,833,719, 9-3-74, Cl. 423-659.000.

Kuerten, Heribert; and Nagel, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Method and apparatus for mixing liquids. 3,847,375, 11-12-74, Cl. 259-4.000.

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Kufner, Kenneth L.; Pellegrino, Thomas P.; and Chmela, Frank P., to Molex Incorporated. Method and apparatus for mounting terminal pins. 3,812,569, 5-28-74, Cl. 29-203.00b.

Kufner Textilwerke KG: *See*—
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Kufner, Walter, to SKF Industrial Trading and Development Company B.V. Journal for rolls. 3,851,934, 12-3-74, Cl. 308-15.000.

Kufrin, Frederick W.; Virnoche, Paul R.; Allen, Donald J.; Gokey, Phillip E.; and Rose, Frederick A., to Polar Ware Company. Disposal of waste by incineration. 3,827,378, 8-6-74, Cl. 110-9.00r.

Kuga, Mutsuo; Mashimo, Takeshi; and Tsuruta, Motohiro, to Unitika Kabushiki Kaisha. Polyamide films. 3,794,547, 2-26-74, Cl. 161-1.000.

Kuge, Tsukasa: *See*—
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Kugel, Walter, to Bahmuller, Wilhelm. Method of connect cardboard, Paper or the like. 3,814,654, 6-4-74, Cl. 156-290.000.

Kugelberg, Joachim; Servais, Carlo; and Uihlein, Rolf Dieter, to Kronos Titan-G.m.b.H. Multi-stage jet mill. 3,837,583, 9-24-74, Cl. 241-39.000.

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Kugelmann, Adolf; Conzelmann, Gerhard; Henninger, Ewald; Meyer, Dieter; and Seiler, Hartmut, to Bosch, Robert, G.m.b.H. Vehicle blink pulse generator manufacturable on an integrated circuit basis. 3,858,177, 12-31-74, Cl. 340-73.000.

Kugle, John L.; and Futty, Robert C., to IRL Daffin Associates, Incorporated. Mixing apparatus for fluent materials. 3,804,377, 4-16-74, Cl. 259-6.000.

Kugle, John L.; and Futty, Robert C., to IRL Daffin Associates, Incorporated. Concrete handling arrangement. 3,807,706, 4-30-74, Cl. 259-162.000.

Kugler, Fritz: *See*—
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Kugler, Kurt, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Thyristors for effecting tap-changing on transformers and including current limiting resistors and standby trigger system. 3,786,337, 1-15-74, Cl. 323-43.50s.

Kugler, Manfred: *See*—
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Kugler, Simon; and Bruzzi, Stefano, to British Oxygen Company Limited, The. Heat exchanger. 3,804,162, 4-16-74, Cl. 165-164.000.

Kugler, Tibor; and Silbiger, Jakob, to Lonza Ltd. Apparatus for preparation of finely particulate silicon oxides. 3,817,711, 6-18-74, Cl. 23-277.00r.

Kugler, Tibor; and Rieger, Hans Wolfhart, to Swiss Aluminium Ltd. Electrode with protective coating. 3,829,374, 8-13-74, Cl. 204-290.00r.

Kugler, Tibor; and Rieger, Hans Wolfhart, to Swiss Aluminium Ltd. Method of manufacture of a conductor rail. 3,836,394, 9-17-74, Cl. 117-217.000.

Kugler, Tibor; and Rieger, Hans Wolfhart, to Swiss Aluminium Ltd. Cathode for an aluminium fusion electrolysis cell and method of making the same. 3,856,650, 12-24-74, Cl. 204-243.00r.

Kugler, Walter. Material conveyance system for feeding workpieces to a processing tool. 3,789,973, 2-5-74, Cl. 198-19.000.

Kuh, Arthur D., to Eastman Kodak Company. Dye diffusion transfer compositions, elements and processes. 3,846,129, 11-5-74, Cl. 96-3.000.

Kuhar, John, Jr., to Bell Telephone Laboratories, Incorporated. Technique and apparatus for testing a time division multiplexed transmission system using selective signal bit extraction. 3,796,834, 3-12-74, Cl. 179-15.0bf.

Kuharchuk, Phillip J., to Motorola, Inc. Record control circuit for multi-track cartridge tape player-recorder. 3,800,316, 3-26-74, Cl. 360-74.000.

Kuhfuss, Herbert F.; and Jackson, Winston J., Jr., to Eastman Kodak Company. Copolyester prepared from polyethylene terephthalate and an acyloxy benzoic acid. 3,804,805, 4-16-74, Cl. 260-47.00c.

Kuhl, Bernard A.; and Mason, John B., to General Motors Corporation. Suspension system for hitch assembly. 3,827,518, 8-6-74, Cl. 180-12.000.

Kuhl, Dieter, to Siemens Aktiengesellschaft. Fuel cell encased in molded plastic material. 3,846,176, 11-5-74, Cl. 136-86.00r.

Kuhl, Hans, 50% to Kammerer, Wolfgand. Recoil shock absorber for a shoulder firearm. 3,795,998, 3-12-74, Cl. 42-74.000.

Kuhl, Hans. Energy transformer for securing a safety belt on a seat of a vehicle. 3,848,828, 11-19-74, Cl. 242-107.300.

Kuhl, Joseph W.; and Lauer, Robert J., to Reliance Electric Company. Final stopping control. 3,785,463, 1-15-74, Cl. 187-29.00r.

Kuhl, Ronald David. Power digger for landscape gardeners. 3,815,689, 7-11-74, Cl. 173-27.000.

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Kuhla, Donald E.; Sarges, Reinhard; and Wiedermann, Hans E., to Pfizer Inc. Thiazolecarboxamide sulfonylurea hypoglycemic agents. 3,856,806, 12-24-74, Cl. 260-302.00r.

Kuhle, Engelber; Klauke, Erich; Hammann, Ingeborg; Hamburger, Brigitte; and Frohberger, Paul-Ernst, to Bayer Aktiengesellschaft. Sulfenylated N-methylcarbamic acid arylesters. 3,819,684, 6-25-74, Cl. 260-479.00c.

Kuhle, Engelbert: *See*—
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Kuhle, Engelbert; Siegle, Peter; Behrenz, Wolfgang; and Hammann, Ingeborg, to Bayer Aktiengesellschaft. N-carboxylated N-methylcarbamic acid aryl esters. 3,857,860, 12-31-74, Cl. 260-346.20r.

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Kuhling, Dieter; and Bloching, Helmut, to Henkel & Cie GmbH. N-acylated tetraaza-bicyclo-nonandiones and compositions for activating oxygen. 3,825,543, 7-23-74, Cl. 260-256.40f.

Kuhling, Dieter, to Henkel & Cie GmbH. Oxidative treatment of human hair with an acylated glycoluril and an oxidizer. 3,836,636, 9-17-74, Cl. 424-62.000.

Kuhlkamp, Alfred: *See*—
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Kuhlman, Norma Jean. Finger exercising device. 3,782,719, 1-1-74, Cl. 272-67.000.

Kuhlman, William C.; and Wukusick, Carl S., to United States of America, Atomic Energy Commission. High temperature thermocouple alloy systems. 3,817,793, 6-18-74, Cl. 136-236.000.

Kuhlmann, Franz; Gundlach, Arnold; and Seiffert, Horst, to Kuhlmann, Franz, KG. Drawing table. 3,826,204, 7-30-74, Cl. 108-2.000.

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Kuhlmann-Schafer, Wilhelm, to Preussag AG. Process for the production of permanent magnets. 3,809,145, 5-7-74, Cl. 164-49.000.

Kuhlmann-Schafer, Wilhelm H.; Hagen, Klaus; Peters, Hans-Dieter; and Wolters, Gunther, to Preussag AG. Electrically heated furnace utilizing ceramic heating elements. 3,800,057, 3-26-74, Cl. 13-25.000.

Kuhlmorgen, Joachim: *See*—
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Kuhlthau, Hans-Peter, to Bayer Aktiengesellschaft. Methine dyestuffs. 3,786,047, 1-15-74, Cl. 260-240.800.

Kuhn, Eberhard, to Demag Baumaschinen Gesellschaft mit beschrankter Haftung. Mobile crane. 3,854,595, 12-17-74, Cl. 212-145.000.

Kuhn, Falk: *See*—
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Kuhn, Falk; and Rombach, Friedrich, to Fouquet-Werk Frauz & Planck. Knitting machine selector jack butt removal apparatus. 3,827,615, 8-6-74, Cl. 225-103.000.

Kuhn, Falk, to Fouquet-Werk Frauz & Planck. Latch opener apparatus for knitting machines and particularly circular knitting machines. 3,834,190, 9-10-74, Cl. 66-111.000.

Kuhn, Hans-Robert, to Electroacustic GmbH. Electromagnetic sound pickup for the reproduction of quadrophonic sound recordings and the like. 3,851,117, 11-26-74, Cl. 179-100.41k.

Kuhn, Helmut: *See*—
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Kuhn, Howard A., to Gleason Works, The. Process and apparatus for densifying powder metal compact to form a gear having a hub portion, and preferred powder metal compact shape for use therewith. 3,842,646, 10-22-74, Cl. 72-354.000.

Kuhn, Jean. Arrangement for making knotted chain stitch seam. 3,808,994, 5-7-74, Cl. 112-199.000.

Kuhn, Joachim; and Bohm, Peter, to Freudenberg, Carl, Patentobeilung. Fiber-reinforced collagen composition and process for preparing same. 3,806,350, 4-23-74, Cl. 106-124.000.

Kuhn, Karl Walter; and Corbin, Marcel Pierre Ernest Marie, to Societe d'Etudes Machines Thermiques. Leak-fuel collecting and detecting device for an internal combustion engine. 3,783,842, 1-8-74, Cl. 123-32.00r.

Kuhn, Karl Walter; and Gallois, Jacques, to Societe d'Etudes de Machines Thermiques. Device for connecting exhaust manifold sets to the turbo-blowers of a supercharged internal-combustion engine. 3,786,630, 1-22-74, Cl. 60-130.000.

Kuhn, Karl Walter, to Societe d'Etudes de Machines Thermiques. Method and device for protecting the stem of an exhaust valve of an internal combustion engine or the like against corrosion. 3,799,139, 3-26-74, Cl. 123-188.0gc.

Kuhn, Karl Walter, to Societe d'Etudes de Machines Thermiques. Flat sealing joint forming in particular a cylinder head gasket for an internal-combustion reciprocating-piston engine. 3,843,141, 10-22-74, Cl. 277-209.000.

Kuhn, L. Dean: *See*—
Faust, Silwart W.; and Kuhn, L. Dean, 3,789,514.

Kuhn, L. Dean, to Maytag Company, The. Heater assembly for dryer. 3,790,751, 2-5-74, Cl. 219-525.000.

Kuhn, L. Dean, to Maytag Company, The. Combustion chamber for dryer. 3,826,607, 7-30-74, Cl. 432-105.000.

Kuhn, Lawrence: *See*—
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Kuhn, Norbert; and Harvey, Geoffrey Frank, to John Lysaght (Australia) Limited. Method of flattening metal strip exhibiting a discontinuous yield point and suppressing the discontinuous yield point. 3,841,132, 10-15-74, Cl. 72-163.000.

Kuhn, Patrick, to Clark Equipment Company. High dump bucket linkage. 3,794,191, 2-26-74, Cl. 214-774.000.

Kuhn, Rainer: *See*—
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Kuhn S.A.: *See*—
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Kuhn, Stephanus Hendrik; Freeme, Charles Richard; Beulink, Rombout; and Basson, John Edgar Baron, to South African Inventions Development Corporation. Measuring transient loads. 3,782,486, 1-1-74, Cl. 177-210.000.

Kuhn, Wolfgang: *See*—
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Kuhne, Gerhard, to Edeleanu Gesellschaft mbH. Underground storage of gas. 3,807,181, 4-30-74, Cl. 61-.500.

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Kuhne, Rudolf: *See*—
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Kuhne, Wolfgang; and Goletz, Hubert, to Hoesch Maschinenfabrik Deutschland AG. Machine for rough- and/or finish-turning of heavy workpieces. 3,783,718, 1-8-74, Cl. 82-2.00r.

Kuhnel, Alfred: *See*—
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Kuhnelt, Herbert F., to Hoerbiger Ventilwerke Aktiengesellschaft. Pneumatic pulse diverters. 3,811,458, 5-21-74, Cl. 137-106.000.

Kuhnert, Artur, to Bayerische Motoren Werke AG. Method of forming closed sheet metal structures with an internal corrosion-resistant coating. 3,838,495, 10-1-74, Cl. 29-458.000.

Kuhnert, Hans, to Heidelberger Druckmaschinen Aktiengesellschaft. Machining center with a storage drum rotatable about a horizontal axis. 3,803,680, 4-16-74, Cl. 29-36.000.

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Kuhnl, Leopold K., to Warner-Lambert Company. Adjustable razor blade cartridge. 3,816,916, 6-18-74, Cl. 30-47.000.

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Kuhnle, Ernst; and Schwarz, Josef, to Bizerba-Werke Wilhelm Kraut KG. Scale, and method of zero-setting the same. 3,796,274, 3-12-74, Cl. 177-1.000.

Kuhnle, Ernst, to Bizerba-Werke Wilhelm Kraut KG. Spring balance apparatus provided with compensation for measuring error due to temperature changes. 3,856,098, 12-24-74, Cl. 177-227.000.

Kuhnle, Paul, to Hesser, Fr., Maschinenfabrik AG. Container filling and producing machine. 3,813,847, 6-4-74, Cl. 53-112.00b.

Kuhnlein, Hans: *See*—
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Kuhnlein, Hans, to Hch. Bertrams Aktiengesellschaft. Method and apparatus for the production of blocks from sodium hydroxide solution. 3,851,035, 11-26-74, Cl. 264-148.000.

Kuhnlein, Hans L., to Hch. Bertrams Aktiengesellschaft. Coil-type continuous flow heater. 3,831,560, 8-27-74, Cl. 122-250.00r.

Kuhnpast, Rainer: *See*—
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Kuifc, Siegfried; Karla, Heinz; and Frings, Gerd, to Saint-Gobain Industries. Electrical connecting terminal. 3,851,368, 12-3-74, Cl. 29-203.00d.

Kuihara, Kenzo: *See*—
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Kuiper, Christiaan, to Van Doorne's Aanhangwagenfabriek N.V. Armoured vehicle. 3,800,659, 4-2-74, Cl. 89-40.00b.

Kuipers, Hendricus Maria: *See*—
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Kuipers, Pieter Geert; and Meerdink, Jan Albert, to U.S. Philips Corporation. Device for checking corporal functions. 3,798,604, 3-19-74, Cl. 340-150.000.

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Kujas, Erich F., to Prodesco, Inc. Adhesive composition. 3,796,679, 3-12-74, Cl. 260-29.4ua.

Kujava, John M.: *See*—
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Kujawa, Francis M.: *See*—
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Heberlein, Gustave E., Jr.; and Kussy, Frank W., 3,845,432.
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Kusunoki, Yasuo; and Okasaki, Hiroshi, to Nippon Steel Chemical Co., Ltd. Process for producing pyridine bases. 3,828,051, 8-6-74, Cl. 260d290.00p.
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Kuth, Robert: *See*—
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Kutney, John T., to General Electric Company. Area ruled nacelle. 3,806,067, 4-23-74, Cl. 244-53.00r.
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Kuttruff, Gary W.; and Durham, Raymond F., to Carrier Corporation. Accumulator with refrigerant level indicating means. 3,837,173, 9-24-74, Cl. 62-128.000.
Kutz, John E. Pedal drive. 3,820,820, 6-28-74, Cl. 280-252.000.
Kutz, Walter M.: *See*—
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Kutzer, Hans-Joachim; Weinreich, Wolfgang; Harmsen, Lothar; and Fricke, Gerd D., to Didier-Werke AG. Outlet developed as compound body on a container holding a liquid melt. 3,797,712, 3-19-74, Cl. 222-566.000.
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Kuus, Felix, to Borg-Warner Corporation. Dock fender structure. 3,803,853, 4-16-74, Cl. 61-48.000.
Kuuse, Nikolai Ivanovich: *See*—
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Kuwayama, Hiroji; Kajita, Hiroyuki; Asayama, Tadashi; and Nishio, Nobuyuki, to Meisei Chemical Works, Ltd. Method of printing synthetic fibers. 3,819,327, 6-25-74, Cl. 8-172.000.

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Kuzma, Edward J., to Celanese Corporation. Catalytic process for producing baked alkyd resin enamel coating compositions crosslinked with etherified trimethylolated croonylidenediurea or etherified methylolated 2,7-dioxo-4,5-dimethyldecahydropyrimido-[4,-d]-pyrimidine. 3,808,039, 4-30-74, Cl. 117-161.00k.
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Kwan, James S., 20% to Lee, Raymond, Organization, Inc., The. Shoe anti-slip device. 3,844,056, 10-29-74, Cl. 36-67.00d.
Kwan, Philip Henry, to Key II Industries. Scale inhibiting apparatus. 3,843,507, 10-22-74, Cl. 204-302.000.
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Kylander , Robert L.; and Du Von, Richard H., Jr., to National Distillers and Chemical Corporation. Recovery of ether in the production of ethanol by ethylene hydration. 3,850,993, 11-26-74, Cl. 260-614.00a.
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La Barber, Joseph A., 1/3 to Wagner, Kurt J. Vibration dampening assembly. 3,799,619, 3-26-74, Cl. 301-5.0ba.

La Barge, Robert L.; and Leftault, Charles J., Jr., to Aluminum Company of America. Safety closure and container. 3,857,508, 12-31-74, Cl. 215-221.000.

La Bate, James B. Adjustable self wedging devices for side boards in ingot molds. 3,847,343, 11-12-74, Cl. 249-202.000.

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La Belle, Laurence T., to Miner Enterprises, Inc. Hand brake mechanism. 3,803,940, 4-16-74, Cl. 74-505.000.

La Bianco, Richard A. Water bed and support therefor. 3,840,921, 10-15-74, Cl. 5-348.0wb.

La Boda, John Albert, to Advance Manufacturing Corporation. Machine for making twisted wire beads for tires. 3,801,028, 4-2-74, Cl. 242-4.0bc.

La Borde, Joseph N., to Ethyl Corporation. Liner for covering intersecting surfaces. 3,797,185, 3-19-74, Cl. 52-288.000.

La Bounty, Roy E. Grapple assembly for backhoe unit. 3,802,731, 4-9-74, Cl. 294-88.000.

La Cagnina, John M.; and Davies, Robert G., to Xerox Corporation. Eliminating corona aring in photoelectrophoretic imaging. 3,785,816, 1-15-74, Cl. 96-1.300.

La Calhene and Piercan S.A.: *See—*
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La Cellophane: *See—*
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La Claire, Pal Andre, to Bell & Howell Company. Temperature compensation circuit for sensor of physical variables such as temperature and pressure. 3,831,042, 8-20-74, Cl. 307-310.000.

La Combe, Donald J., to General Electric Company. Passivation of photoresist materials used in selective plasma etching. 3,816,196, 6-11-74, Cl. 156-8.000.

La Combe, Donald J.; and Babcock, Guy L. Selective plasma etching of organic materials employing photolithographic techniques. 3,816,198, 6-11-74, Cl. 156-16.000.

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La Costa, Nicholas J., to AAI Corporation. Integral primer cartridge. 3,791,301, 2-12-74, Cl. 102-45.000.

La Costa, Nicholas Joseph, to AAI Corporation. Multiple projectile sabot assembly for use in rifled barrel. 3,802,345, 4-9-74, Cl. 102-93.000.

La Costa, Nicholas Joseph, to AAI Corporation. Multiple hardness pointed finned projectile. 3,851,590, 12-3-74, Cl. 102-92.100.

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La Croce, Leonard Thomas, to American Can Company. Container having a metal overcap-thermoplastic lid closure assembly. 3,834,579, 9-10-74, Cl. 220-60.00r.

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La Fave, Veryl L.; and Rivenes, Ronald D. Remotely operable vehicular mirror. 3,830,561, 8-20-74, Cl. 350-289.000.

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La Flair, Ronald Turner, to Polysar Limited. Process for preparing block copolymers of alpha methyl styrene and conjugated diolefins. 3,825,623, 7-23-74, Cl. 260-879.000.

La Flame, Frank E.; and Sones, William L., to General Motors Corporation. Fuel supply system with pressure regulator. 3,824,974, 7-23-74, Cl. 123-136.000.

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La Framboise, Leo F.: *See—*
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La France, Robert C., to Aerospace Corporation, The. Linear pulsed D.C. motor and controls therefor. 3,787,716, 1-22-74, Cl. 318-135.000.

La Ganke, Robert D. Air flow control valve. 3,818,937, 6-25-74, Cl. 137-604.000.

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La Haye, Paul G.; Craig, Glenn D.; and Turecek, Joseph L., to Aqua-Chem, Inc. Reduction of nitrogen oxides from products of hydrocarbon combustion with air. 3,832,122, 8-27-74, Cl. 431-10.000.

La Lande, William Alfred, Jr.; Hauptschein, Murray; and Hager, Robert Bonner, to Pennwalt Corporation. Dimers of hexafluoropropene and propylene. 3,789,088, 1-29-74, Cl. 260-648.00f.

La Lena, George A.; and Stewart, Jack D., to Princeton Metal Systems Corporation. Collapsible feed mechanism. 3,791,186, 2-12-74, Cl. 72-272.000.

La Mar Laboratories, Inc.: *See—*
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La Marche, Robert Ernest; and May, Carl Jerome, Jr., to Bell Telephone Laboratories, Incorporated. Common control digital echo suppressor. 3,823,275, 7-9-74, Cl. 179-170.200.

La Marre, David A.; Battista, Albert D.; and Smith, Donald A., to American Optical Corporation. Laser transmitter. 3,831,104, 8-20-74, Cl. 331-94.500.

La Mere Industries, Inc.: *See—*
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La Mers, Herbert, to Jones, R. A., & Company, Inc. Labelling method. 3,798,101, 3-19-74, Cl. 156-212.000.

La Mers, Herbert. Plastic melting and feeding machine. 3,810,563, 5-14-74, Cl. 222-146.00r.

La Mers, Herbert, to Jones, R. A. & Company, Inc. Label applicator head. 3,823,050, 7-9-74, Cl. 156-493.000.

La Mesa Industries, Inc., mesne: *See—*
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La Metallo-Chimique S.A.: *See—*
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La Perre, James D.; Dyrud, James F.; and Zosel, Thomas W., to Minnesota Mining and Manufacturing Company. Printable, heat-bondable sheet material. 3,790,439, 2-5-74, Cl. 161-167.000.

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La Pointe, Thomas A., to Aeroquip Corporation. Latch and V band coupler. 3,797,078, 3-19-74, Cl. 24-279.000.

La Police, George D.; and Odermann, Charles R., to Singer Company, The. Belt guard for sewing machines. 3,834,335, 9-10-74, Cl. 112-261.000.

La Porte Industries Limited: *See—*
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La Porte Sohne: *See—*
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La Rocca, Edward W., to Armament Systems, Inc. Controlled fragmentation explosive device. 3,799,054, 3-26-74, Cl. 102-67.000.

La Rocca, Gerard A. Liquid coating measuring apparatus. 3,812,421, 5-21-74, Cl. 324-58.50b.

La Roche, Ulrich: *See—*
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La Ros Equipment Company, Inc.: *See—*
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La Rose, Jasper Samuel. Sheet covering means for hair coloring, permanent waving, and hair conditioning. 3,854,148, 12-17-74, Cl. 4-159.000.

La Rue, Mervin W., Jr., to Bell & Howell Company. Viscous sensor. 3,825,207, 7-23-74, Cl. 242-191-.

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La Salle Steel Company: *See—*
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La Societe Anonyme dite: Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber-Colombes: *See—*
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La Société dite CLISALU: *See—*
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La Spisa, Ronald J.; and Woods, Gary W., to United States of America, Army. Fluid actuated control system. 3,807,277, 4-30-74, Cl. 91-3.000.

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La Telephonie Industrielle et Commerciale "Telic": *See—*
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La Tour, Harry: *See—*
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La Tour, Harry, to Armco Steel Corporation. Spiral strip accumulator and method. 3,806,056, 4-23-74, Cl. 242-55.000.

La Tourette assor. to said: *See—*
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La Tourette, Charles; and Mullen, Patrick E. (said La Tourette assor. to said), to Consolidated/Eureka Paperbox, Inc. and said Mullen assor. to said Rx-Pack Company. Article holding and dispensing container. 3,820,655, 6-28-74, Cl. 206-42.000.

La Trombe: *See—*
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La Vallee, Raymond F., to Allis-Chalmers Corporation. Dual hydraulic filter arrangement. 3,800,948, 4-2-74, Cl. 210-136.000.

La Vanway, Edward K. Apparatus for use with a dispatching system having visual and audible signals. 3,803,578, 4-9-74, Cl. 340-286.000.

La Vietes, J. R., to La Mar Laboratories, Inc. Method of determining ovulation time in urine and fertility in females. 3,813,222, 5-28-74, Cl. 23-230.00b.

La Violette, Fred G., to Environment/One Corporation. Low cost portable room air cleaner. 3,812,370, 5-21-74, Cl. 250-527.000.

La Vista, Edward G. Push button lid for beverage cans and the like. 3,800,971, 4-2-74, Cl. 220-24.00r.

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Shoemaker, Edwin J.; Gensler, Edwin G.; and White, David B., 3,848,924.

Laajala, Gene W. Device for transporting turkey feed to a turkey feeder. 3,844,433, 10-29-74, Cl. 214-522.000.

Laakaniemi, Richard N.; and Stahl, Robert R., to Johnson Service Company. Fluid signal limiting device. 3,812,873, 5-28-74, Cl. 137-84.000.

Laakaniemi, Richard N.; and Stahl, Robert R., to Johnson Service Company. Fluid signal limiting device. 3,835,876, 9-17-74, Cl. 137-82.000.

Laakkonen, Launo, to Temet Oy. Lock chamber for protective enclosures. 3,824,934, 7-23-74, Cl. 109-1.000.

Laakso, Oliver A., to Kamyr Inc. Method and apparatus of a two zoned, liquid level controlled screening and feeding device for cellulose digestion. 3,843,468, 10-22-74, Cl. 162-17.000.

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Laarman, Johannes Bertus, to N.V. Industrieele Handelscombinatie Holland. Method and apparatus for sucking up material from the bottom of a body of water. 3,815,267, 6-11-74, Cl. 37-58.000.

Laase, Rex, & Matelvarefabrik A/S: *See—*
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Laauwe, Robert H. Aerosol package. 3,788,521, 1-29-74, Cl. 222-94.000.

Laauwe, Robert H. Aerosol valve assembly. 3,825,159, 7-23-74, Cl. 222-402.240.

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Labadini, William M.: *See—*
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Labalt Breweres of Canada, Limited: *See—*
Stewart, Graham G.; and Earl, Allan E., 3,788,910.

Labana, Santokh S.; and Chang, Yun Feng, to Ford Motor Company. Self crosslinking powder coating Compositions II. 3,787,340, 1-22-74, Cl. 260-23.0xa.

Labana, Santokh S.; and Theodore, Ares N., to Ford Motor Company. Powdered coating compositions containing a glycidyl ester copolymer, a phenolic hydroxy crosslinking agent, and a flow control agent. 3,787,520, 1-22-74, Cl. 260-836.000.

Labana, Santokh S.; and Golovoy, Amos, to Ford Motor Company. Method of preparing a powder coating composition containing glycidyl acrylate copolymers and dicarboxylic acid crosslinking agent. 3,787,521, 1-22-74, Cl. 260-836.000.

Labana, Santokh S.; Golovoy, Amos; and Chang, Yun Feng, to Ford Motor Company. Two-step method of making a color picture tube. 3,811,910, 5-21-74, Cl. 117-17.000.

Labana, Santokh S.; Golovoy, Amos; and Chang, Yun Feng, to Ford Motor Company. Method of making a color picture tube. 3,834,926, 9-10-74, Cl. 117-17.000.

Labana, Santokh S.; and Theodore, Ares N., to Ford Motor Company. Thermoset molding powders employing glycidyl methacrylate-functional prepolymers and diphenol-expoxy resin adducts and molding thereof. 3,843,594, 10-22-74, Cl. 260-42.180.

Labana, Santokh S.; and Theodore, Ares N., to Ford Motor Company. Thermoset molding powders employing glycidyl methacrylate functional polymer and dibasic acid crosslinking agent and moldings thereof. 3,845,010, 10-29-74, Cl. 260-42.180.

Labana, Santokh S.; and Theodore, Ares N., to Ford Motor Company. Thermoset molding powders employing glycidyl methacrylate-functional polymers and polyanhybide crosslinking agents and moldings thereof. 3,845,016, 10-29-74, Cl. 260-42.180.

Labana, Santokh S.; and Theodore, Ares N., to Ford Motor Company. Thermoset molding powders employing glycidyl methacrylate-functional polymers and monomeric anhydride crosslinking agents and molding thereof. 3,847,863, 11-12-74, Cl. 260-42.180.

Labarber, James P.; Shade, Ross A.; and Terbrack, William H., to Wrather, J. D., Jr., mesne. Data handling system employing time modulation. 3,828,279, 8-6-74, Cl. 332-2.000.

LaBarge, Inc.: *See—*
Brothers, Benton H.; Christianson, William O.; Hunter, Larry L.; Hunter, Max R.; Stauder, Bob E.; and Sitler, Donald D., 3,822,598.

LaBarge, Robert L.: *See—*
Merkin, Bill C.; Tobias, Michael J.; Ray, Richard C.; and LaBarge, Robert L., 3,826,048.

LaBarge, Robert L.; and Painter, Russell G., to Aluminum Company of America. Method and apparatus for forming a mitered corner in a flexible elastomeric strip. 3,822,160, 7-2-74, Cl. 156-212.000.

Labarre, Maurice. Machine for producing perforated sleeves. 3,841,815, 10-15-74, Cl. 425-290.000.

Labat, Yves, to Societe Nationale des Petroles d'Aquitaine. Episulphide preparation process. 3,822,288, 7-2-74, Cl. 260-327.00e.

Labaune, Camille: *See—*
Lombard, Claude Edmond; Labaune, Camille; and Neubauer, Pierre, 3,815,010.

Labaz: *See—*
Binon, Fernand; and Areschka, Alex, 3,818,035.
Descamps, Marcel; and Inion, Henri, 3,849,564.
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Labbe, Francis A. M.: *See—*
Molins, Desmond Walter; Labbe, Francis A. M.; Preston, Edward G.; and Jacksen, Norman W., 3,854,487.

Labbe, Francis A. M.; Preston, Edward G.; Hodsall, Brian; and Marritt, Clifford R. Continuous filter rod making machines. 3,813,996, 6-4-74, Cl. 93-1.00c.

Labbe, Francis A. M.; Preston, Edward George; Dimgli, Paul; and Hirsh, Ivan Yehudi, to Molins Limited. Rod making machines. 3,850,065, 11-26-74, Cl. 83-310.000.

Labbe, Francis A. M., to Molins Limited. Cigarette making machines. 3,850,177, 11-26-74, Cl. 131-66.000.

Labbe, Francis Auguste Maurice, to Molins Limited. Cigarette making machines. 3,810,475, 5-14-74, Cl. 131-84.00b

Labbe, Francis Auguste Maurice, to Molins Limited. Air separator for tobacco feed systems. 3,826,065, 7-30-74, Cl. 55-309.000.

Labbe, Francis Auguste Maurice, to Mollins Limited. Cigarette making machines. 3,851,652, 12-3-74, Cl. 131-84.00c

Labco Products, Inc.: *See*—
Bocian, Harvey; and Brent, Allan L., 3,819,322.

Labeau, Russell: *See*—
Swis, Philip E.; Labeau, Russell, and Brown, Glenn M., 3,834,221.

Labecki, Karl W., to Coats & Clark, Inc. Coil fastener slider having locking ridge. 3,823,446, 7-16-74, Cl. 24-205.14r

Labeda, Robert C.: *See*—
Paramonoff, Elpidifor; Olsen, Frederick C.; and Labeda, Robert C., 3,825,270.

Label, Micheline: *See*—
Maree, Michel; Sabatie, Michele; and Label, Micheline, 3,799,385.

Labelle, Donald J. Appliance leveling device. 3,856,248, 12-24-74, Cl. 248-188.200.

Labelle, Harold E., Jr.; Mlavsky, Abraham I.; and Cronan, Charles J., to Tyco Laboratories, Inc. Production of crystalline bodies of complex geometries. 3,846,082, 11-5-74, Cl. 23-301.0sp.

Labelle, Richard L. Ski for snowmobile. 3,817,544, 6-18-74, Cl. 280-28.000.

Laben, Wallace J.; and Tonkin, Kenneth J., to Dick, A. B., Company. Ink fountain trough with seals for fountain roller. 3,788,220, 1-29-74, Cl. 101-363.000.

Laben, Wallace J., to Dick, A. B., Company. Washing roller and wiper blade mechanism for duplicating machines. 3,850,099, 11-26-74, Cl. 101-425.000.

Labenski, Wolfgang; Schapitz, Heinz Paul; and Wessel, Hans-Peter, to Mecano-Bundy GmbH. Method of applying protective coatings to metal articles. 3,808,057, 4-30-74, Cl. 148-6.200.

Laber, Walter; Gottschalk, Alfred; Schwaab, Josef; Jeckel, Guenther; and Mosthaf, Helmut, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Incorporating rubber into thermoplastics. 3,796,677, 3-12-74, Cl. 260-4.000.

Laberinti, Cesare: *See*—
Ghersa, Piero; Torghele, Flavio; and Laberinti, Cesare, 3,847,693.

Laberinti, Cesare, to Industrie Pirelli, S.p.A. Upholstery articles and process for their manufacture. 3,847,720, 11-12-74, Cl. 161-159.000.

Labes, Mortimer M., to Temple University. Stable anil-type nematic liquid crystals. 3,827,780, 8-6-74, Cl. 350-160.01c.

Labes, Mortimer M., to Temple University. Stable liquid crystal mixtures including anti-type nematic compounds. 3,853,785, 12-10-74, Cl. 252-408.000.

Lablance, Jean, to Bennes Marrel. Movable tailgate for a truck. 3,830,542, 8-20-74, Cl. 296-56.000.

Lablans, Johannes Franciscus: *See*—
Hirschfield, John Alfred; Lablans, Johannes Franciscus; and Shankland, William, 3,857,163.

Labler, Ludwig: *See*—
Furst, Andor; Labler, Ludwig; Meier, Werner; Muller, Peter; Scott, John William; and Widmer, Erich, 3,828,062.

Labofina S.A.: *See*—
Aga, Rene Leon; and Debus, Henri Robert, 3,801,629.
Bertrand, Jean-Noel Marie; and Vaerman, Joseph Marie, 3,833,625.
Bracke, William J. L., 3,852,259.
Cahen, Raymond M.; Debus, Henri R.; and Aga, Rene L., 3,827,974.
Ghislain, Pierre Marie; D'Ostrowick, Joseph de Radzitzky; and de Roocker, Alvin Joseph, 3,793,380.
Hanotier, Jacques D. V.; and Hanotier-Bridoux, Monique G. S., 3,829,432.
Hanotier, Jacques D. V., 3,852,342.
Hanotier, Jacques D. V.; and de Radzitzky d'Ostrowick, Pierre M.J.G., 3,852,343.
Hanotier, Jacques Daniel Victor; and Hanotier, Monique Josephe Simone, 3,809,715.
Hanotier-Bridoux, Monique G.S.; and Hanotier, Jacques D.V., 3,833,599.
Van Doorne, Guy Camille, 3,809,649.

Labombarde, Raymond A. Method for folding of tabs in a right angle transfer zone. 3,800,680, 4-2-74, Cl. 93-49.00m.

Labombarde, Raymond A. Apparatus and method for folding of tabs in a right angle transfer zone. 3,807,289, 4-30-74, Cl. 93-49.00r.

Labor Mueszeripari Muevek: *See*—
Muranyi, Istvan; Voros, Attila; Varga, Janos; and Orosz, Ivan, 3,824,066.

Labor Muszeripari Muvek: *See*—
Kormendy, Ferenc; Nemeth, Ferenc; Muranyi, Istvan; and Balas, Gizella, 3,834,876.

Labor Saving Devices, Inc.: *See*—
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Laboratoire d'Electronique et d'Automatique Dauphinois, L.E.A.D.: *See*—
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Laboratoire Suisse de Recherches Horlogeres: *See*—
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Laboratoires Andre Guerbet: *See*—
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Laboratoires d'Electronique et d'Automatique Du Nord, Leanord: *See*—
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Laboratoires J. Berthier: *See*—
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Laboratories Albert Rolland: *See*—
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Laboratories Cassenne: *See*—
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Laboratories du Dr. Debat: *See*—
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Laboratories Ferrer S. L.: *See*—
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Laboratories Houde: *See*—
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Laboratories J. Berthier S.A.: *See*—
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Laboratories Laroche Navarron: *See*—
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Laboratories Made, S.A.: *See*—
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Laboratories Medicoplast: *See*—
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Laboratorio Prodotti Biologici Braglia S.p.A.: *See*—
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Laboratorios Made, S.A.: *See*—
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Laborde, Enos J., Jr.: *See*—
Edwards, Coy W.; and Laborde, Enos J., Jr., 3,858,026.

Laborde, Richard C.: *See*—
Muri, Robert A.; and Laborde, Richard C., 3,858,019.

Laborit, Henri. 3(Morphocinoethoxy)pyridazines. 3,825,540, 7-23-74, Cl. 260-247.50r.

Labossier, William H.; and Schilling, Hartmut, to Raytheon Company. Metallized isotropic boron nitride body and method for making same. 3,853,582, 12-10-74, Cl. 117-22.000.

Laboureur, Pierre; Brunaud, Marcel Daniel Pierre; and Langlois, Claude, to Societe d'Etudes et d'Applications Biochimiques; and Ugine-Kuhlmann. Urate oxidase and process for the production thereof. 3,810,820, 5-14-74, Cl. 195-62.000.

Labovitz, Carl: *See*—
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Labronic, AG: *See*—
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Labrunic, Guy: *See*—
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Labuda, Edward Franklin; and Ryden, William Dennis, to Bell Telephone Laboratories, Incorporated. Method for neutralizing charge in semiconductor bodies and dielectric coatings induced by cathodic etching. 3,791,952, 2-12-74, Cl. 204-192.000.

Labude, Wolfgang; and Bauer, Karl-Heinz, to FA. "PREH, Elektrofeinmechanische Werke Jakob Preh, NACHF.". Tuner housing with contact bridge means. 3,846,732, 11-5-74, Cl. 338-133.000.

Labuza, Theodore P.: *See*—
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Laby, Jordan M.: *See*—
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Laby, Jordan M., to American Shower Door Co., Inc. Sliding door assembly. 3,852,916, 12-10-74, Cl. 49-409.000.

Laby, Ralph Henry, to Commonwealth Scientific and Industrial Research Organization. Device for administration to muninants. 3,844,285, 10-29-74, Cl. 128-260.000.

LaCalhene: *See*—
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Lacam, Guy S. P., to La Fermeture Ailee. Device for guiding and putting under tension a band of a sliding fastener. 3,810,437, 5-14-74, Cl. 112-152.000.

Lacambre, Jacques: *See*—
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LaCamera, Alfred F.: *See*—
Hartmann, John E.; LaCamera, Alfred F.; and Lake, Peter B., 3,825,448.

LaCamera, Alfred F.; and Semer, Joseph R., to Youngstown Sheet and Tube Company. Method for controlling the coating thickness of a coated metal strip. 3,802,911, 4-9-74, Cl. 117-102.00m.

Lacan, Guy Henri; and Haury, Andre Lucien, to La Telemecanique Electrique. System providing power supply connections and interconnections for logic blocks. 3,858,155, 12-31-74, Cl. 339-22.00r.

Lacaze, Leonard, Jr., to Ford Motor Company. Apparatus for controlling an inflatable safety device. 3,848,695, 11-19-74, Cl. 180-103.000.

Lace, Melvin A., to Motorola, Inc. Fast-forward tape drive means for cartridge tape player. 3,850,357, 11-26-74, Cl. 226-178.000.

Lacefield, William B., to Lilly, Eli, and Company. 3,5-Diacyloxybenzoic acids used as anti-inflammatory agents. 3,821,401, 6-28-74, Cl. 424-308.000.

Lacerte, Maurice. Solid tire wheel. 3,843,202, 10-22-74, Cl. 301-63.0pw.

Lacey, Edward H. Method and apparatus for cutting nonuniform article into uniform pieces. 3,796,146, 3-12-74, Cl. 99-514.000.

Lacey, Edward H. Hose splicing apparatus. 3,796,233, 3-12-74, Cl. 138-97.000.

Lacey, Edward H. Controllable water turbine motor for irrigation machine. 3,841,561, 10-15-74, Cl. 239-189.000.

Lacey, Ralph W., to Kysor Industrial Corporation. Cutter body and blade therefor. 3,818,562, 6-25-74, Cl. 29-105.00a.

Lacey, Raymond Dennis: *See*—
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Lacey, Robert Ronald, to Universal Oil Products, Company. Seat belt clamping device. 3,804,434, 4-16-74, Cl. 280-150.0sb.

Lacey, Thomas G. Photographic apparatus. 3,792,264, 2-12-74, Cl. 250-311.000.

Lach, John: *See*—
Beck, Roderick; Harmon, James F.; Shatila, Mounir A.; Richins, David A.; and Lach, John, 3,782,969.

Lach, John H.: *See*—
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Lachampt, Felix; Viout, Andre; and Vanlerberghe, Guy, to Societe Anonyme dite: L'Oreal. Emulsions, and cosmetic products made from such emulsions. 3,846,546, 11-5-74, Cl. 424-170.000.

Lacharlotte, Pierre: *See*—
Rousselie, Claude Joseph; and Lacharlotte, Pierre, 3,786,917.

Lachaussee, Maurice; and Maigret, Andre. Method for manufacturing metallic objects from circular plates. 3,786,704, 1-22-74, Cl. 83-39.000.

Lacher, Jorge Halder. Centrifuge and rotating discharge means therefor. 3,791,577, 2-12-74, Cl. 233-21.000.

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Alexandrov, Adolf Moritsovich; Balaian, Ruben Dzhangirovich; Suladze, Ippolit Davidovich; Aglitsky, Vladimir Efimovich; Kakhniashvili, Avtandil Semenovich; Kantor, Ilia Solomonovich; Dzhanelidze, Vazha Venediktovich; and Lachinov, Alexandr Alexandrovich, 3787,007.

Lachman, Louis A.; Reinert, Warren D.; and Le Grand, Richard W., to Motter, John C., Printing Press Co. Signature inserter. 3,806,111, 4-23-74, Cl. 270-54.000.

Lachmann, Burkhard; and Rosenkranz, Hans Jurgen, to Bayer Aktiengesellschaft. Process for the production of 2,4-dihydroxybenzophenone. 3,843,729, 10-22-74, Cl. 260-591.000.

Lachmann, Veit: *See*—
Klement, Gunter; Budnowski, Manfred; and Lachmann, Veit, 3,803,078.

Lachner, Hans, to Kloeckner-Werke Aktiengesellschaft. Hydrostatic piston machine construction. 3,803,984, 4-16-74, Cl. 91-487.000.

Lachowetz, George. Pole blade scraper. 3,803,714, 4-16-74, Cl. 30-171.000.

Lachowicz, Donald R.: *See*—
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Lachowicz, Donald R.; Saines, George S.; Michelson, Malvin J.; and Eckert, George W., to Texaco Inc. Motor fuel additives. 3,799,751, 3-26-74, Cl. 44-62.000.

Lachowicz, Donald R.; and Kreuz, Kenneth L., to Texaco, Inc. Novel oxiranes and their preparation. 3,843,693, 10-22-74, Cl. 260-348.00r.

Lack, James E. Water guns and water emitting target. 3,843,127, 10-22-74, Cl. 273-101.000.

Lack, John: *See*—
Beck, Roderick; Harman, James F.; Shatila, Mounir A.; Richins, David A.; and Lack, John, 3,789,750.

Lackey, Daryl L.: *See*—
Bielski, Edward T.; Lackey, Daryl L.; and Theiss, Russell V., 3,794,565.

Lackey, Robert P., to Texas Instruments Incorporated. Reduced actuation time thermal relay system. 3,858,141, 12-31-74, Cl. 337-140.000.

Lackey, Robert S.: *See*—
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Lacklison, David Edward; Annis, Alexander David; and Pearson, Ronald Ferguson, to U.S. Philips Corporation. Photosensitive magnetic device. 3,819,944, 6-25-74, Cl. 250-353.000.

Lackme, Claude; Digonnet, Albert; Colas, Louis; Boctin, Jean; Dal Pont, Jean-Pierre; and Papillon, Bernard, to Rhone-Progil. Process for aerating biological suspensions. 3,794,582, 2-26-74, Cl. 210-11.000.

Lackner, Heinrich, to Vianova-Kunstharz, A.G. Water soluble resins and process for the preparation thereof. 3,847,849, 11-12-74, Cl. 260-19.0ep.

Lackner, Helmut G., to United States of America, National Aeronautics and Space Administration. Method and apparatus for checking the stability of a setup for making reflection type holograms. 3,782,825, 1-1-74, Cl. 356-106.000.

Lacko, Vladimir: *See*—
Piller, Bohumil; Suchanek, Jiri; Minarik, Josef; and Lacko, Vladimir, 3,795,569.
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Lackowski, Donald H., to United States of America, Navy. Alignment error detection system. 3,803,387, 4-9-74, Cl. 235-61.50g.

Laclair, Albert W., to Nashua Corporation. Thermographic copy sheet containing phthalimide. 3,816,139, 6-11-74, Cl. 96-114.100.

LaClaire, Pal Andre: *See*—
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Lacombat, Michel: *See*—
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LaCombe, Donald J.; and Bancock, Guy L., to General Electric Company. Composite integrated circuits including semiconductor chips mounted on a common substrate with connections made through a dielectric encapsulator. 3,805,375, 4-23-74, Cl. 29-577.000.

LaCosta, Nicholas J.: *See*—
Demyon, Thomas R.; and LaCosta, Nicholas J., 3,820,098.

Lacoste, Emile Joseph, III. Structural system employing eight-sided polygonal units constructed of prefabricated elements. 3,851,427, 12-3-74, Cl. 52-79.000.

Lacoste, Jean: *See*—
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Lacoume, Bernard, to Akzona Incorporated. Anti-inflammatory preparations. 3,824,314, 7-16-74, Cl. 424-274.000.

Lacour, Bernard: *See*—
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Lacour, Jacques: *See*—
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Lacroix, Andre Roger Camille: *See*—
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Bouiller, Jean Georges; Gobin, Michel Roland; Lacroix, Armand Jean-Baptiste; and Bauger, Louis Jules, 3,813,185.
Buisson, Marc Francois Bernard; Foure, Claude Desire; Lacroix, Armand Jean-Baptiste; Quillevere, Herve Alain; and Rousseau, Gilbert James, 3,841,565.
Caruel, Jacques Emile Jules; Quillevere, Herve Alain; Castellant, Jean-Pierre Jules Emile; and Lacroix, Armand Jean-Baptiste, 3,811,276.

Lacroix, Jean Paul. Differential type driving wheels system. 3,788,420, 1-29-74, Cl. 180-74.000.

Lacroix, Pierre, to Societe de Travaux d'Electricite et d'Electronique du Languedoc. Device for monitoring the electrical energy delivered by an energy source. 3,789,236, 1-29-74, Cl. 307-96.000.

Lacroix, Roger, to Sea Tank Co. Self-stabilizing submarine tank. 3,793,842, 2-26-74, Cl. 61-46.000.

Lacroix, Roger, to Sea Tank Co. Method of submerging a hollow structure. 3,855,803, 12-24-74, Cl. 61-46.500.

Lacroix, Serge R.: *See*—
Bourdolle, Henri M.; Lacroix, Serge R.; Fleury, Jean E.; Peuillot, Gilbert; and Pinot, Jean, 3,835,016.

Lacroux, Gerard: *See*—
Margrain, Pierre; and Lacroux, Gerard, 3,805,104.

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Lacy, Mount, Enterprises Inc.: *See*—
Lacy, Mount Lee, 3,841,740.

Lacy, Mount Lee, to Lacy, Mount, Enterprises Inc. Changeable fluid filter eyeglasses. 3,841,740, 10-15-74, Cl. 351-44.000.

Lacy-Hulbert and Company, Limited: *See*—
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Laczko, Robert P.: *See*—
Leeson, Jeffrey S.; and Laczko, Robert P., 3,785,873.

Laczkovich, Rudy A.: *See—*
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Lada, Arnold; Petrocci, Alfonso N.; and Merianos, John J., to Millmaster Onyx Corporation. Control of algae in industrial water. 3,803,885, 4-16-74, Cl. 71-67.000.
Lada, Mirko: *See—*
Koudelka, Vladimir; and Lada, Mirko, 3,788,404.
Ladan, Stephan George: *See—*
Henderson, Ian H. S.; and Ladan, Stephan George, 3,790,454.
Ladany, Ivan; and Wang, Chih Chung, to RCA Corporation. III-V compound on insulating substrate and its preparation and use. 3,802,967, 4-9-74, Cl. 148-171.000.
Ladavas, Franco: *See—*
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Ladd, Floyd N.; Peel, Billy J.; and Stacy, Donald G., to Ford Motor Company. Window regulator mechanism. 3,816,962, 6-18-74, Cl. 49-103.000.
Ladd, John R., to General Electric Company. N(N'-maleimidomethyl) citraconimide. 3,833,609, 9-3-74, Cl. 260-326.260.
Ladd Research Industries, Inc.: *See—*
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Ladd Tool Company, Inc.: *See—*
Helderman, James F., 3,805,472.
Ladell, John L., to Ontario Research Foundation. Method of forming iron ore pellets using a finely divided tree bark binder. 3,811,865, 5-21-74, Cl. 75-3.000.
Lademann, Ernest E.; and Iadarola, Ralph E., to Bendix Corporation, The. Combination permanent magnet torquer-eddy current damper for a gyro. 3,786,685, 1-22-74, Cl. 74-5.500.
Lademann, Rudolf; Weisenberger, Karl; and Metzger, Adolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous production of the disodium salt of m-benzenedisulfonic acid. 3,801,632, 4-2-74, Cl. 260-505.00n.
Ladenberger, Volker: *See—*
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Laessig, John, to Gilbreth Company. Heat shrink tunnel for ensuring uniform shrinkage of heat shrinkable bands on articles of various sizes. 3,808,702, 5-7-74, Cl. 34-218.000.
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LaFleur, Arthur E., to Square Bag-It Corporation. Bag making machine and method. 3,853,664, 12-10-74, Cl. 156-306.000.
Laflin, Reginald E., to A.P.V. Paralec Limited. Furnaces. 3,849,585, 11-19-74, Cl. 13-26.000.
Lafon, Louis, to Societe Anonyme dite: Orsymonde. 4-Phenoxy-3-hydroxy-butyramidine derivatives. 3,855,249, 12-17-74, Cl. 260-343.700.
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LaGase, Francis E.; and Jovanovitch, Stevan, to Cyprus Mines Corporation. Flame and radiation resistant cable. 3,823,255, 7-9-74, Cl. 174-113.00r.
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Laing, Nikolaus. Bearing structure for mounting rotors in motors having spherical air gaps and including means for limiting axial movement of the rotors. 3,803,432, 4-9-74, Cl. 310-90.000.

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Lake, Peter B.: *See—*
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Lake, Ralph Jones, Jr.: *See—*
Balzer, Daniel Lee; and Lake, Ralph Jones, Jr., 3,854,905.

Lake Region Products Inc.: *See—*
Notermann, Dalles C.; Notermann, Walter F.; and Notermann, Ray M., 3,798,691.

Lake, Robert D.: *See—*
Buzbee, Lloyd R.; and Lake, Robert D., 3,823,202.

Lake, Ronald W. Folding knife. 3,783,509, 1-8-74, Cl. 30-161.000.

Lake, Russel J.: *See—*
Van Zon, Jacob; and Lake, Russel J., 3,826,352.

Lake, Samuel: *See—*
Chenoweth, John Garfield; James, Ivan; Lake, Samuel; Sampson, Roy John; Osmond, Paul; and Shooter, Douglas, 3,793,384.

Lake Shore Electric Corporation: *See—*
Soos, Steven W., 3,836,742.

Lake, Willett R., Jr.; and Ward, James O., to Pak-Well Corporation. Apparatus for cutting blanks. 3,785,231, 1-15-74, Cl. 83-103.000.

Lake, William H., to General Electric Company. Selective spectral output metal halide lamp. 3,840,767, 10-8-74, Cl. 313-184.000.

Lakeland Enterprises, Inc., mesne: *See—*
Suchka, Michael B., 3,788,002.

Laker, Michael A. Board game apparatus. 3,799,549, 3-26-74, Cl. 273-131.0ab.

Lakeside Manufacturing Inc.: *See—*
Moon, Robert W., 3,794,132.
Woloszyk, Leonard T., 3,792,328.

Lakhani, Hussain G.: *See—*
Paterno, Joseph J., Jr.; Remmer, Norton S.; and Lakhani, Hussain G., 3,793,783.

Lakhani, Hussain G., to Norton Company. High speed cut-off wheel. 3,838,543, 10-1-74, Cl. 51-206.0np.

Lakin, Harold: *See—*
Bristol, Thomas R.; Lakin, Harold; and Renga, Fred L., 3,827,312.

Lakomsky, Victor Iosifovich: *See—*
Paton, Boris Evgenievich; Lakomsky, Victor Iosifovich; Melnik, Gary Alexandrovich; Chvertko, Anatoli Ivanovich; and Bukalo, Alfred Iosifovich, 3,849,584.

Lakos Eugene A. Cuff link lock. 3,798,713, 3-26-74, Cl. 24-90.500.

Lakos, Georg, to Hauni-Werke Korber & Co., KG. Method and machine for making a continuous cigarette rod. 3,783,881, 1-8-74, Cl. 131-21.00d.

Lakota, Josip, to Aktiengesellschaft Brown, Boveri & Cie. Equipment for the automatic resynchronization of a synchronous generator. 3,784,896, 1-8-74, Cl. 322-20.000.

Laks, Maurice. Electrical regulating system. 3,792,317, 2-12-74, Cl. 317-157.000.

Lakso, Eino E. Self-erecting folding article. 3,805,711, 4-23-74, Cl. 108-133.000.

Laky, Elmer, to Breeze Corporations, Inc. Cargo hook (automatic/sealed). 3,807,784, 4-30-74, Cl. 294-83.00r.

Lal, Joginder; and Sandstrom, Paul H., to Goodyear Tire & Rubber Company, The. Blends of ethylene-propylene rubbers and C5-C10-alpha-olefin polymers. 3,794,696, 2-26-74, Cl. 260-897.00a.

Lala, Lekhu Kewalram: *See—*
Hall, John B.; and Lala, Lekhu Kewalram, 3,847,993.

Lalancette, Jean Marc; and Coupal, Bernard, to Universite de Sherbrooke. Removal and recovery of chromium from polluted waters. 3,835,042, 9-10-74, Cl. 210-28.000.

Lalancette, Jean Marc, to Ventron Corporation. Oxidation of primary alcohols. 3,840,566, 10-8-74, Cl. 260-347.900.

Lalancette, Jean-Marc, to Universite de Sherbrooke. Removal and recovery of metals from polluted waters. 3,790,370, 2-5-74, Cl. 75-108.000.

Lalancette, Jean-Marc, to Ventron Corporation. Selective hydrogenation of alkynes or 1,3-conjugated dienes. 3,804,916, 4-16-74, Cl. 260-677.00h.

Lalancette, Jean-Marc, to Ventron Corporation. Methanation processes. 3,847,963, 11-12-74, Cl. 260-449.00m.

Lalande, Michel, to La Telemecanique Electrique. Forced commutation invertors. 3,812,416, 5-21-74, Cl. 321-45.00r.

Lalangas, Petros: *See—*
Bridges, Thomas F.; Lalangas, Petros; and Sjostrom, Carl H., 3,811,593.

Lalaurie, Jean: *See—*
Defranould, Philippe; Lalaurie, Jean; and Shroff, Arvind, 3,793,542.

Lale, Peter Gilbert; and Becker, Denis John, to Devices Limited. Implantable cardiac pacemaker with battery voltage-responsive rate. 3,825,016, 7-23-74, Cl. 128-419.00p.

Lale, Walter G. Fluid flow controller. 3,782,682, 1-1-74, Cl. 251-61.100.

Lalet, Philippe: *See—*
Fassy, Henri; Lalet, Philippe; and Miletto, Andre, 3,804,814.

Laliberte, Albert J.: *See—*
DeAngelis, Armand; and Laliberte, Albert J., 3,814,094.

Laliberte, Carolyn Doris: *See—*
McAnespie, Donald; and Laliberte, Robert Justin, 3,813,019.

Laliberte, Norman U., to American Optical Corporation. Selective optical filter and method of manufacture. 3,826,751, 7-30-74, Cl. 252-300.000.

Laliberte, Robert Justin: *See—*
McAnespie, Donald; and Laliberte, Robert Justin, 3,813,019.

Laliccia, Federico Riccardo: *See—*
Barselloti, John Anthony; Laliccia, Federico Riccardo; and Litster, John Fraser, 3,842,206.

Laliccia, Frederico Riccardo: *See—*
Pinede, Edouard; Barsellotti, John Anthony; and Laliccia, Frederico Riccardo, 3,786,194.

Lalk, James W.; and Crear, Jobie, to Dow Chemical Company, The. Permanent anti snag finish for fabrics. 3,852,102, 12-3-74, Cl. 117-139.05a.

Lalk, Robert H.: *See—*
Evani, Syamalarao; Lalk, Robert H.; and Fiero, Terry H., 3,794,608.

Lally, Joseph E.: *See—*
Foster, Colin E.; and Lally, Joseph E., 3,826,883.

Lally, William; Moore, Kenneth L.; Robbins, John E.; and Willbond, William F., to USM Corporation. Injection mold with a sprue plugging mechanism. 3,799,723, 3-26-74, Cl. 425-245.00r.

Lalonde, Earl B.; and Bartels, Gerald D., to Industrial Research & Engineering, Inc. Automatic tail cutter. 3,805,652, 4-23-74, Cl. 83-169.000.

Lalor, William F., to Cotton Incorporated, mesne. Subsoil amendment material incorporating method and apparatus. 3,822,656, 7-9-74, Cl. 111-14.000.

Lalu, Jean-Pierre; and Foulletier, Louis, to Produits Chimiques Ugine Kuhlmann. Method of preparing polyfluorinated sulphonic acids and derivatives. 3,825,577, 7-23-74, Cl. 260-435.00r.

Lalwanly, Narain S., to Du Pont de Nemours, E. I., and Company. Conversion-rolling of titanium/steel bonded composite products. 3,798,747, 3-26-74, Cl. 29-475.000.

Lam, Charles T. W.: *See—*
Fraser, Joseph Wilfred, Jr.; Lam, Charles T. W.; and Mast, Raymond L., 3,814,586.

Lam, Hung-Kei H., and Samawi, Nazeeh Jamil, to Kaiser Aluminum & Chemical Corporation. Process for the recovery of sodium fluoride from waste fluoridic material and preparation of Na_3FeF_6. 3,808,322, 4-30-74, Cl. 423-185.000.

Lam, Hung-Kei H., to Kaiser Aluminum & Chemical Corporation. Sulfate removal from magnesium chloride. 3,819,815, 6-25-74, Cl. 423-498.000.

Lam, Josephine. Wearing apparel. 3,828,368, 8-13-74, Cl. 2-227.000.

Lam, Lucilo; and Cartaya, Guillermo Hernandez. Draftsman's device. 3,846,914, 11-12-74, Cl. 33-110.000.

Lama, Ugis Guntis, to Bell Canada-Northern Electric Research, Limited. Magnetic bubble domain detection. 3,820,089, 6-25-74, Cl. 340-174.0eb.

Laman Joseph R.; and Kay, Edward Leo, to Firestone Tire & Rubber Company, The. Production of a char reinforcing agent from pyrolyzed scrap-rubber. 3,823,224, 7-9-74, Cl. 423-449.000.

Laman, Joseph Richard, to Firestone Tire & Rubber Company, The. Floating anti-pollution apparatus. 3,834,538, 9-10-74, Cl. 210-154.000.

LaMarre, David A.: *See—*
Kantorski, Joseph W.; Smith, Donald A.; LaMarre, David A.; Hansen, Donald H.; and Thorburn, Milton R., 3,782,823.

Lamartina, Alfonso; Cicognani, Enrico; Caldarella, Riccardo; and Antonini, Athos, to Societa Italiana Telecomunicazioni Siemens S.p.A. Line concentrator for telephone exchange. 3,819,869, 6-25-74, Cl. 179-18.0fc.

Lamb, F. Jos., Company: *See—*
Van De Berg, Walter H., 3,823,698.

Lamb, Glentworth: *See—*
Addor, Roger Williams; and Lamb, Glentworth, 3,824,317.

Lamb, Jimmy W.; and English, Richard A., to Carrier Corporation. Apparatus for charging absorption refrigeration systems. 3,826,104, 7-30-74, Cl. 62-149.000.

Lamb, John F.: *See—*
McKee, James D.; and Lamb, John F., 3,786,661.

Lamb, John T., to Tappan Company, The. Microwave oven defrost circuit. 3,842,233, 10-15-74, Cl. 219-10.550.

Lamb, Kenneth E., to Professor, Inc., The. Racing board game apparatus. 3,834,709, 9-10-74, Cl. 273-134.0ad.

Lamb, Louis John: *See—*
Hollingsworth, Clinton Allen; and Lamb, Louis John, 3,791,810.

Lamb, Norman C., to Stauffer Chemical Company. Novel odor control method. 3,798,877, 3-26-74, Cl. 55-79.000.

Lamb, Paul Wentworth, to duPont, Michael M. Electro-optical information conversion system using fiber optics. 3,800,149, 3-26-74, Cl. 250-205.000.

Lamb, Raymond K.: *See—*
Piazza, Andre L.; and Lamb, Raymond K., 3,827,488.

Lamb, Thomas. Child's hand trainer. 3,795,062, 3-5-74, Cl. 35-29.00e.

Lamb, William B., to AMF Incorporated. Vending machine control circuit. 3,802,542, 4-9-74, Cl. 194-13.000.

Lambda Development Ltd.: *See—*
Cappelletti, Richard R., 3,832,997.

Lambda Electronics Corporation: *See—*
Gautherin, George A., 3,829,794.

Lambda Instruments Company: *See—*
Biggs, William W.; and Clegg, Max D., 3,782,833.

Lambe, John J.: *See—*
Jaklevic, Robert C.; Lambe, John J.; Mikkor, Mati; and Vassell, William C., 3,811,752.

Lambeau, Eugene: *See—*
Sime, Malcolm A.; Lambeau, Eugene; and Zadoo, Vijay K., 3,792,716.

Lambelin, Georges: *See—*
Buu-Hoi, Nguyen Phuc; Lambelin, Georges; and Gillet, Claude, 3,824,277.

Lamberet, Paul. Installation for manufacturing stratified isothermal panels. 3,834,968, 9-10-74, Cl. 156-389.000.

Lamberet, Paul. Material handling or transfer equipment. 3,847,106, 11-12-74, Cl. 115-7.000.

Lamberet, Paul. Conveying system with water-way. 3,854,415, 12-17-74, Cl. 104-173.000.

Lamberg, Martti: *See—*
Orjans, Jerker; and Lamberg, Martti, 3,804,594.

Lamberson, Jack L. Educational apparatus. 3,800,437, 4-2-74, Cl. 35-9.00b.

Lambert, Adelor A. Combination signalling and advertising system. 3,810,164, 5-7-74, Cl. 340-332.000.

Lambert, Alain: *See—*
Flambard, Christian; Lambert, Alain; and Pacreau, Michel, 3,798,961.
Flambard, Christian; and Lambert, Alain, 3,837,218.

Lambert, Alfred F., to Canadian Patents and Development Limited. Survey instrument tower. 3,815,708, 6-11-74, Cl. 182-129.000.

Lambert, Andre: *See—*
Faugeras, Anne-Marie; and Lambert, Andre, 3,792,479.
Soury, Jean-Pierre, Lambert, Andre; and Barandon, Rene, 3,844,307.

Lambert, Andre; Soury, Jean-Pierre; and Sifre, Gaston, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Device for transferring and measuring the flow of pure gas. 3,785,205, 1-15-74, Cl. 73-198.000.

Lambert, Benjamin A.: *See—*
Bowen, Russell J.; Ford, William B., Jr.; Sanborn, Ralph D.; Sawyer, Winslow A.; Sharp, John R.; Soini, Herbert E.; Lambert, Benjamin A.; and Lull, David B., 3,831,520.

Lambert, Benoit. Stirrer for cooking vessels. 3,810,605, 5-14-74, Cl. 259-108.000.

Lambert Brake Corporation, mesne: *See—*
Kibler, Robert L., and Dosmann, Thomas R., Sr., 3,853,206.

Lambert, Charles F., Jr., to Clayton & Lambert Manufacturing Company. Slanted-auger spreader/unloader for feed storage. 3,794,190, 2-26-74, Cl. 214-17.0ca.

Lambert, Daryl G., to Dia-Print Company, Inc., The. Adjustable screen printing chase. 3,788,216, 1-29-74, Cl. 101-127.100.

Lambert, Daryl Gene, to Dia-Print Company, Inc., The. Printer with screen frame lift and squeegee support rivot means. 3,788,215, 1-29-74, Cl. 101-123.000.

Lambert, Edward Henry: *See—*
Michael, Tantrimudalige Anthony Don; and Lambert, Edward Henry, 3,841,319.

Lambert, Emmanuel: *See—*
Toussaint, Francois; Laroche, Pierre; Schottey, Jean; and Lambert, Emmanuel, 3,843,472.

Lambert Engineering Company: *See—*
Brazee, Donald K., 3,794,461.

Lambert, Gerard L.; and Greenlay, Charles A., to Johns-Manville Corporation. Apparatus for opening and emptying a container. 3,853,235, 12-10-74, Cl. 214-305.000.

Lambert, Harry, to Barton-King Systems Corporation. Structural self-supporting system. 3,846,944, 11-12-74, Cl. 52-758.00r.

Lambert, Jack L.; and Fina, Louis R., to Kansas State University Research Foundation. Method of disinfecting water and demand bactericide for use therein. 3,817,860, 6-18-74, Cl. 210-29.000.

Lambert, Jack L.; and Tschorn, Reginald R., to Kansas State University Research Foundation. Microdiffusion cell. 3,841,765, 10-15-74, Cl. 356-246.000.

Lambert, Joe Chester, to General Electric Company. Dual level plugging circuit. 3,854,076, 12-10-74, Cl. 318-341.000.

Lambert, John W. Pulsating syringe. 3,810,465, 5-14-74, Cl. 128-66.000.

Lambert, Lloyd M., Jr.: *See—*
Kump, Herbert J.; Lambert, Lloyd M., Jr.; and Quinn, Robert M., 3,814,992.

Lambert, Maurice: *See—*
Leblond, Jean; Danneels, Guy; and Lambert, Maurice, 3,841,941.

Lambert, Maurice Avrelien: *See—*
Leblond, Jean Rene; Danneels, Guy Emile; and Lambert, Maurice Avrelien, 3,839,115.
Leblond, Jean Rene; Danneels, Guy Emile; and Lambert, Maurice Avrelien, 3,850,719.

Lambert, Maurice C., to United States of America, Atomic Energy Commission. Determination of hypophosphite ion concentration. 3,816,075, 6-11-74, Cl. 23-230.00r.

Lambert, Michael; Neuzy, Hubert; and Brichard, Claude, to Glaverbel S.A. Sheet glass drawing. 3,801,296, 4-2-74, Cl. 65-95.000.

Lambert, Michael W.: *See—*
Schlitlin, George E.; Collins, Joseph B.; and Lambert, Michael W., 3,799,748.

Lambert, Robert D., to Multiply Development Corporation, Ltd. Apparatus for felting fibrous elements. 3,828,399, 8-13-74, Cl. 19-155.000.

Lambert, Robert R., to Air Factors, Inc. Air conduit and diffuser assembly. 3,823,652, 7-16-74, Cl. 98-40.00e.

Lambert, Robert R., to Wehr Corporation, mesne. Adapter means for coupling a prepositioned air plenum chamber to a later positioned air bar. 3,837,267, 9-24-74, Cl. 98-40.0dl.

Lambert, Robert R., to Air Factors, Inc. Mounting arrangement for air diffuser in a kerfed ceiling. 3,855,909, 12-24-74, Cl. 98-40.00d.

Lambert, Ronald F., to Polaroid Corporation. Preparation of tertiary organophosphine oxides. 3,852,362, 12-3-74, Cl. 260-606.50p.

Lambert, Ronald R., to Polaroid Corporation. Preparation of tertiary organophosphine oxides. 3,784,638, 1-8-74, Cl. 260-526.00s.

Lambert, Russell R., Sr., 1/2 to Boney, Warren X. Vehicle towing and jacking device. 3,827,586, 8-6-74, Cl. 214-86.00a.

Lambert, Thomas H. Apparatus for removably holding a liquid beverage container. 3,842,981, 10-22-74, Cl. 211-74.000.

Lambert, Vernon L.: *See—*
Wakefield, Shirley L.; and Lambert, Vernon L., 3,821,040.

Lambert, William O., to McDonnell Douglas Corporation. Bearing check gage. 3,829,977, 8-20-74, Cl. 33-174.00e.

Lambert, William R. Method and apparatus for eviscerating scallops. 3,829,933, 8-20-74, Cl. 17-53.000.

Lambert, Yvon: *See—*
Monkovic, Ivo; and Lambert, Yvon, 3,853,889.

Lamberti, John J. Dry smoking pipe. 3,795,251, 3-5-74, Cl. 131-203.000.

Lamberti, John J. Rigid reamer type smoking pipe cleaner. 3,856,024, 12-24-74, Cl. 131-243.000.

Lamberti, Vincent, to Lever Brothers Company. Detergent compositions containing slats of 4-hydroxyalkanoic acids. 3,821,115, 6-28-74, Cl. 252-89.000.

Lamberti, Vincent, to Lever Brothers Company. Process for preparing salts of ether polycarboxylic acid. 3,824,279, 7-16-74, Cl. 260-535.00p.

Lamberti, Vincent, to Lever Brothers Company. Ester-linked derivatives of carbohydrates as builders for detergent compositions. 3,849,341, 11-19-74, Cl. 252-546.000.

Lamberton, Bruce A. Reinforced mattress for protecting shorelines and the like. 3,837,169, 9-24-74, Cl. 61-38.000.

Lambertoni, Oreste, to Pages Holding S.A. Melting equipment for melting snow and ice. 3,847,137, 11-12-74, Cl. 126-271.20a.

Lambertsen, Christian J. Dual mode mixed gas breathing apparatus. 3,794,021, 2-26-74, Cl. 128-142.200.

Lambertsen, Christian J. Buoyant underwater structures. 3,851,487, 12-3-74, Cl. 61-69.00r.

Lambertus, Friedrich, to Werner & Pfleiderer. Device for cooling and granulating strands of plastic material discharged from an extruder. 3,837,781, 9-24-74, Cl. 425-308.000.

Lamberty, John M.: *See—*
DeVerter, Walton; and Lamberty, John M., 3,849,831.

Lambertz, Martin R., to Hahn Brass Limited. Patio door roller. 3,827,104, 8-6-74, Cl. 16-18.000.

Lambie, Alan James: *See—*
Burton, Dennis Ernest; Lambie, Alan James; and Newbold, Geoffrey Tattersall, 3,795,680.

Lambiris, Sortiris, to General Electric Company. Liquid fuel grid burner for vitiated air using auxiliary combustion air. 3,843,309, 10-22-74, Cl. 431-284.000.

Lambiris, Theodore, to General Motors Corporation. Shift indicator arrangement. 3,800,737, 4-2-74, Cl. 116-124.00r.

Lambiris, Theodore, to General Motors Corporation. Method of assembly and joining shift indicator components. 3,834,007, 9-10-74, Cl. 29-453.000.

Lambo, Claude, to APA Manufactories N. V. Device for warming aquarium water. 3,821,514, 6-28-74, Cl. 219-296.000.

Lamborghini Oleodinamica S.p.A.: *See—*
Menini, Corrado, 3,816,042.

Lamborn, Homer C., to Curwood, Inc. Apparatus for sizing joint rings for cylindrical pipes. 3,783,671, 1-8-74, Cl. 72-392.000.

Lambou, Madeline G.; and Spadaro, James J., to United States of America, Agriculture. Precursor compositions from animal hide glues for dry-structured foams. 3,856,700, 12-24-74, Cl. 252-354.000.

Lambourg, Michel: *See—*
Stenstrom, Claude; Lambourg, Michel; and Duprez, Robert, 3,796,991.

Lambrecht, Dietrich; and Weghaupt, Erich, to Kraftwerk Union Aktiengesellschaft. Device for cooling electric machines, particularly turbogenerators. 3,835,919, 9-17-74, Cl. 165-47.000.

Lambrecht, Richard M.: *See—*
Fowler, Joanna S.; Lambrecht, Richard M.; and Wolf, Alfred P., 3,808,097.

Lambrecht, Willy, to Appareillage Technique et Industriel S.A. Play detector for detecting play and inspecting the fastening of parts of stationary motorcars and trailers. 3,823,485, 7-16-74, Cl. 33-203.140.

Lambregts, Antonous A., to Boeing Company, The. Turbulence compensated throttle control system. 3,840,200, 10-8-74, Cl. 244-77.00d.

Lambrich, Hans Peter: *See—*
Peter, Rene; and Lambrich, Hans Peter, 3,849,696.

Lambright, John E.; Schmitz, Lawrence S.; and Waclo, John B., to Westinghouse Electric Corporation. Automated audio interrogating and reporting system. 3,805,412, 3-23-74, Cl. 35-9.00a.

Lambrou, Andreas: *See—*
Smith, Ross Alexander; and Lambrou, Andreas, 3,819,838.

Lamcor Incorporated: *See—*
Melugin, Simeon A., 3,843,050.

Lamden, Ralph James, to Ultra Electronics Limited. Capacitive computer circuits. 3,836,893, 9-17-74, Cl. 340-173.0ca.

Lamel, Arthur E.; Squire, William D.; and Whitehouse, Harper J., to American Petroscience Corporation. Telemetering system for oil wells. 3,790,930, 2-5-74, Cl. 340-18.0nc.

Lamensdorf, David: *See—*
Ross, Gerald F.; Delorenzo, Joseph D.; and Lamensdorf, David, 3,801,976.

Lamer, Gerald P., to Case, J. I., Company. Telescoping jib assembly. 3,844,418, 10-29-74, Cl. 212-55.000.

Lamer, Gerald P., to Case, J. I., Company. Telescopic boom and jib assembly with means to maintain a predetermined angular position therebetween. 3,856,151, 12-24-74, Cl. 212-55.000.

Lamers, David F.: *See—*
Vanderheiden, Greg C.; Lamers, David F.; Geisler, Chris Daniel; and Volk, Andrew M., 3,854,131.

LaMesa Industries, Inc.: *See—*
Dashew, Stephen S., 3,804,930.

Lamey, Melvin A. Ring size cutter. 3,786,711, 1-22-74, Cl. 83-628.000.

Lamhofer, Gerhard: *See—*
Reinecke, Herbert; Adler, Kalus; Bauer, Johann; Kretschmer, Reinhard; Lamhofer, Gerhard; and Pichler, Engelbert, 3,846,362.

Lamkins, Douglas Wayne: *See—*
Vernon, John Pershing; and Lamkins, Douglas Wayne, 3,787,138.

Lamm, August Uno. Rotating piston engine. 3,799,035, 3-26-74, Cl. 91-493.000.

Lamm, Bo Robert: *See—*
Berntsson, Peder Bernhard; Gaarder, Jan Ornulf; and Lamm, Bo Robert, 3,838,027.
Brandstrom, Arne Elof; Gustavii, Klas Ragnar; Junggren, Ulf Krister; and Lamm, Bo Robert, 3,816,533.

Lamm, Eduard Lvovich; Kljueve, Galina Vasilieva; and Shteinfeld, Boris Grigorievich. Device for introducing a gaseous agent. 3,803,723, 4-16-74, Cl. 34-57.00r.

Lamm, Gunther; and Dehnert, Johannes, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Certain substituted 2,6-diamino-4-methyl-nicotinonitriles the corresponding nicotinamides and derivatives thereof. 3,853,895, 12-10-74, Cl. 260-294.900.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Sealing bar for a rotary piston internal combustion engine. 3,785,745, 1-15-74, Cl. 418-117.000.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine of trochoidal construction. 3,807,367, 4-30-74, Cl. 123-8.090.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary-piston injection-type internal combustion engine. 3,809,021, 5-7-74, Cl. 123-8.090.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine, especially of trochoidal construction. 3,809,509, 5m7-74, Cl. 418-60.000.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Sealing bar for a rotary piston internal combustion engine. 3,820,798, 6-28-74, Cl. 277-81.00p.

Lamm, Heinz; and Kortner, Lothar, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine of trochoidal construction. 3,827,411, 8-6-74, Cl. 123-119.00r.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine. 3,832,104, 8-27-74, Cl. 418-113.000.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft Rotary piston internal combustion engine of trochoidal construction. 3,836,293, 9-17-74, Cl. 418-83.000.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine, especially of trochoidal construction. 3,844,694, 10-29-74, Cl. 418-149.000.

Lamm, William R.; Davis, Larry G.; and Dworschack, Robert G., to Standard Brands Incorporated. Treating cells of microorganisms containing intracellular glucose isomerase. 3,821,082, 6-28-74, Cl. 195-31.00f.

Lamme, Robert E., to High Hill, Inc. Combined bracket and lug nuts for wheel covers. 3,833,266, 9-3-74, Cl. 301-37.0at.

Lammel, David G.; and Neidigh, Ronnie C., to Chevron Research Company. Safety interlock for a particulate solids sampler. 3,792,612, 2-19-74, Cl. 73-421.00b.

Lammers, Peter C.; and Stefan, Frank N., to Goodyear Tire & Rubber Company, The. Protective headgear. 3,818,508, 6-25-74, Cl. 2-3.00r.

Lammers, Sidney G., to Dart Industries, Inc. Process of moulding foamable materials by simultaneously heating and vibrating the mold. 3,792,138, 2-12-74, Cl. 264-46.000.

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Lammert, Steven R.: *See—*
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Lamming, Ernest V. Transparent coin wrapper. 3,799,428, 3-26-74, Cl. 229-87.200.

Lamming, Jack Stewart, to U.S. Philips Corporation, mesne. Method of manufacturing double diffused transistor with base region parts of different depths. 3,852,127, 12-3-74, Cl. 148-187.000.

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Lamond, Lee T., to Celanese Corporation. Separating assembly. 3,800,510, 4-2-74, Cl. 55-158.000.

Lamont, John, and Curtis, Ralston, to Stauffer Chemical Company. Process of manufacturing a pesticidal active wettable powder and products. 3,796,562, 3-12-74, Cl. 71-93.000.

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Lamont, Romanus Michael. Lamp guard. 3,819,930, 6-25-74, Cl. 240-54.00r.

Lamontagne, Edmond Joseph Honore. Portable press for reducing the size of tubing. 3,834,206, 9-10-74, Cl. 72-211.000.

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Lampe, Wolfgang; Spicar, Erich; and Persson, Bo-Goran, to Allmanna Svenska Elektriska Aktiebolaget. Means for determining the top oil temperature in transformers. 3,797,314, 3-19-74, Cl. 73-350.000.

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Lamplugh, Roland J.; and Triolo, Rocco P., to Scott Paper Company. Super-stiff polyurethane foam. 3,826,763, 7-30-74, Cl. 260-2.5am.

Lampman, Russell A.; and Knepshield, William R., to KLI, Inc. Laparoscopy system. 3,834,392, 9-10-74, Cl. 128-303.130.

Lamport, Noah. Non-fouling sailing indicator. 3,799,106, 3-26-74, Cl. 116-28.00r.

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Land, Edwin H.; and Weed, Lucretia, to Polaroid Corporation. Photographic system employing film margin rails. 3,782,263, 1-1-74, Cl. 95-89.00r.
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Land, Edwin H., to Polaroid Corporation. Color diffusion transfer color process and film with silver precipitating layer. 3,787,209, 1-22-74, Cl. 96-3.000.
Land, Edwin H.; Bloom, Stanley M.; and Rogers, Howard G., to Polaroid Corporation. Diffusion transfer films with anti-reflection layers and processes. 3,793,022, 2-19-74, Cl. 96-3.000.
Land, Edwin H., to Polaroid Corporation. Diffusion transfer film units containing polyethylene glycol, their manufacture and use. 3,793,023, 2-19-74, Cl. 96-3.000.
Land, Edwin H.; and Norris, Philip, to Polaroid Corporation. Binocular rangefinder-viewfinder with fresnel optics. 3,797,915, 3-19-74, Cl. 350-211.000.
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Land, Edwin H., to Polaroid Corporation. Method of operating a film handling cassette. 3,800,306, 3-26-74, Cl. 354-78.000.
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Land, Edwin H.; Bloom, Stanley M.; and Rogers, Howard G., to Polaroid Corporation. Color diffusion transfer photographic products and processes elitfor sulfur free silber halide solvents. 3,801,318, 4-2-74, Cl. 96-3.000.
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Land, Edwin H., to Polaroid Corporation. Self-cleaning photographic transparency processing and projection system. 3,806,237, 4-23-74, Cl. 352-130.000.
Land, Edwin H.; and Batter, John F., Jr., to Polaroid Corporation. Photographic film cassette comprising internally programmed self-contained film processing system. 3,806,245, 4-23-74, Cl. 352-130.000.
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Land, Edwin H., to Polaroid Corporation. Sensitometric modification by pre-exposure. 3,819,376, 6-25-74, Cl. 96-45.200.
Land, Edwin H.; Bloom, Stanley M.; and Farney, Leonard C., to Polaroid Corporation. Silver image stabilization with noble metal compounds and enediol developers. 3,821,000, 6-28-74, Cl. 96-76.00r.
Land, Edwin H., to Polaroid Corporation. Cassette changer for use with a photographic projector adapted to receive a multi-purpose film handling cassette. 3,822,934, 7-9-74, Cl. 352-123.000.
Land, Edwin H.; and Cronin, David V., to Polaroid Corporation. Temperature responsive initiating apparatus for a photographic camera. 3,824,611, 7-16-74, Cl. 354-202.000.
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Land, Edwin H., to Polaroid Corporation. Photographic system for processing and projecting transparencies. 3,851,958, 12-3-74, Cl. 352-130.000.
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Landry, James A. Ice rink. 3,808,831, 5-7-74, Cl. 62-235.000.
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Giguere, Jacques; and Landry, Jean-Guy, 3,784,493.
Landry, Norman Richard: *See*—
Dixon, Earl; and Landry, Norman Richard, 3,789,330.
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Landskov, Hardy K.: *See*—
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Landsman, Arkady Pavlovich: *See*—
Lidorenko, Nikolai Stepanovich; Landsman, Arkady Pavlovich; Strebkov, Dmitry Semenovich; Zaitseva, Aita Konstantinovna; Zadde, Vitaly Vinktorovich; and Kosarev, Viktor Sergeevich, 3,793,713.
Landsman, Robert M., to Perkin-Elmer Corporation, The. Scanning apparatus. 3,816,659, 6-11-74, Cl. 178-7.600.
Landstingens Inkopscentral: *See*—
Thorsson, Lars-Ake Olof; and Jarvenson, Erik Borje, 3,809,577.
Landwehrkamp, Hans: *See*—
Hoeber, Gerhard; and Landwehrkamp, Hans, 3,826,073.
Niestroj, Heinrich; Landwehrkamp, Hans; and Hoeber, Gerhard, 3,803,823.
Landwehrkamp, Hans; and Hoeber, Gerhard, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Apparatus for piecing-up yarn in an open-end-spinning device. 3,782,089, 1-1-74, Cl. 57-34.00r.
Landwehrkamp, Hans; and Niestroj, Heinrich, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for stopping and starting one or more open-end-spinning devices. 3,791,128, 2-12-74, Cl. 57-93.000.
Landwehrkamp, Hans; Schreyer, Franz; and Schiltknecht, Adolf, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for spinning sliver. 3,797,218, 3-19-74, Cl. 57-58.890.
Landwehrkamp, Hans; and Schuster, Friedrich, to Schubert & Salzer Maschinenfabrik Ingolstadt. Method and apparatus for producing of staple fibre yarn. 3,802,174, 4-9-74, Cl. 57-5.000.
Landwehrkamp, Hans; and Handschuck, Karl, to Schubert & Selzer Maschinenfabrik Aktiengesellschaft. Silver opening device for open-end spinning mechanism. 3,807,158, 4-30-74, Cl. 57-58.950.

Landwehrkamp, Hans, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Apparatus for continuously winding thread onto bobbins. 3,813,050, 5-28-74, Cl. 242-18.00a.

Landwer, Donald C., to Teletype Corporation. Rotary disc recording and readout system having capacitance controlled lens positioning means. 3,825,323, 7-23-74, Cl. 350-255.000.

Landwier, William G., to Maytag Company, The. Dishwasher condenser system. 3,802,918, 4-9-74, Cl. 134-105.000.

Landy, Arney, Jr.: *See*—
Dulebohn, David H.; Landy, Arney, Jr.; and Brandt, Roy Earl, 3,849,624.

Landy, Arney, Jr., to Andrew Engineering Company. Line tracing apparatus. 3,832,544, 8-27-74, Cl. 250-202.000.

Lane, Bill M., to Waco Scaffold & Shoring Co. Roll out formwork support. 3,797,794, 3-19-74, Cl. 248-295.000.

Lane, Bruce M.: *See*—
Hunt, Robert E.; Delahanty, John; and Lane, Bruce M., 3,843,894.
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Lane, Byron D. Vent mounting device. 3,809,350, 5-7-74, Cl. 248-57.000.

Lane Company, Inc., The: *See*—
Rogers, W. Clark, Jr.; and Snitzer, Morton, 3,815,954.
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Lane, Constance A.: *See*—
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Lane, David Silvester: *See*—
Salvin, Keith Thomas; and Lane, David Silvester, 3,858,011.

Lane, Edward Sydney; and Jackson, Norman, to United Kingdom Atomic Energy Authority. Solutions of mixed uranium and plutonium nitrates. 3,804,772, 4-16-74, Cl. 252-301.10r.

Lane, Frances & John S., Limited: *See*—
MacMaster, Malcolm John; and MacMaster, Kenneth John George, 3,782,644.

Lane, George A.: *See*—
Jankowiak, Erwin M.; Niles, Earl Thomas; and Lane, George A., 3,856,933.
Plomer, John J.; Filter, Harold E.; and Lane, George A., 3,844,855.

Lane, George A.; and Williams, Robert L., to Dow Chemical Company, The. Fog abatement. 3,804,328, 4-16-74, Cl. 239-2.00r.

Lane, George C., to Warner-Lambert Company. Method of coating a continuous strip of ribbon razor blade material. 3,784,458, 1-8-74, Cl. 204-192.000.

Lane, George W.: *See*—
Torres, Jorge; and Lane, George W., 3,797,510.

Lane, Georges A.: *See*—
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Lane, Gerald H. Vehicle securing device. 3,788,109, 1-29-74, Cl. 70-234.000.

Lane, James Murray, III; and Lingenfelter, Guy E., to Gates Rubber Company, The. Crop gathering belt. 3,853,016, 12-10-74, Cl. 74-231.00c.

Lane, James Murray, III; and Lingenfelter, Guy E. Crop gathering belt. 3,854,272, 12-17-74, Cl. 56-98.000.

Lane, John W.: *See*—
Ronzio, Richard A.; Lane, John W.; and Vincent, John D., 3,829,550.
Zundel, Weldon P.; Lane, John W.; and Taylor, Melvin L., 3,804,613.

Lane, Joseph J., to Arctic Enterprises Inc. Lawn mower handle mounting device. 3,854,834, 12-17-74, Cl. 403-386.000.

Lane, Marvin; and Willard, E. Thomas, to Taylor, Nelson A., Co., Inc. Windshield structure. 3,843,982, 10-29-74, Cl. 9-1.00r.

Lane, Noel W., Jr., to Whittaker Corporation. Radar reflector buoy. 3,806,927, 4-23-74, Cl. 343-18.00c.

Lane, Norman: *See*—
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Lane, Ralph D.: *See*—
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Lane, Ralph David: *See*—
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Lane, Richard L., to Kayex Corporation. Billet holder for cutting and slicing apparatus. 3,802,412, 4-9-74, Cl. 125-13.00r.

Lane, Richard N.; and Horton, Claude W., to United States of America, Navy, mesne. Hydro-acoustic filter. 3,812,456, 5-21-74, Cl. 340-8.00r.

Lane, Richard T. Quickly-collapsible shell fish trap. 3,834,064, 9-10-74, Cl. 43-100.000.

Lane, Robert E., Jr., to Dow Chemical Company, The. Olefin oxidation catalyst. 3,789,063, 1-29-74, Cl. 252-439.000.

Lane, Robert John; and James, Robert Colston, to Lucas, Joseph, (Electrical) Limited. Headlamp cleaning device. 3,795,936, 3-12-74, Cl. 15-250.240.

Lane, William A.: *See*—
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Lane, William C.; and Moffatt, Donald E., to Mead Corporation, The. Multiple layer decorated paper, laminates prepared therefrom and process. 3,798,111, 3-19-74, Cl. 161-162.000.

Laner, Gary J. Pipe plugging tool. 3,841,355, 10-15-74, Cl. 138-89.000.

Lanevsky, Valery Evgenievich: *See*—
Medovar, Boris Izrailevich; Alferov, Jury Fedorovich; Schupak, Grigory Bentsionovich; Lanevsky, Valery Evgenievich; Dykan, Vitaly Grigorievich; Berezovsky, Mikhail Elevich; Baglai, Vitaly Mikhailovich; Shuruev, Lev Andreevich; Emelyanenko, July Georgievich Khasin, Kim Moiseevich; Lugovsky, Vladimir Ivanovich; Salmin, Valery Vasilievich; Marjuschenko, Vilen Fedorovich; Shaburov, Fedor Fedorovich; Tamozhnikov, Georgy Vasilievich; Popov, Viktor Andreevich; and Semin-Vadov, Gennady Mikhailovich, 3,794,104.
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Lanfranconi, Antonio; Schafer, Wolfgang; Testaguzza, Franco; and Zanibelli, Franco, to Doll Gesellschaft mit beschrankter Haftung. Closure with fracturable auxiliary container. 3,840,136, 10-8-74, Cl. 215-6.000.

Lang, Armin, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Servo steering device, especially for automobiles. 3,832,849, 9-3-74, Cl. 60-386.000.

Lang, Berthold Gerhard: *See*—
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Lang, Charles W.; and O'Hara, Peter J., to Singer Company, The. Digital position sensor. 3,810,136, 5-7-74, Cl. 340-199.000.

Lang, Clifford H.: *See*—
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Lang, David, to Harsco Corporation. Snap ring retaining fastener. 3,804,363, 4-16-74, Cl. 249-100.000.

Lang, David, to Harsco Corporation. Pallet cleaner. 3,849,820, 11-26-74, Cl. 15-21.00c.

Lang, David M.; and Weston, Warren B., to Bucyrus-Erie Company. Drill mast back brace. 3,805,463, 4-23-74, Cl. 52-116.000.

Lang, David M.; Nelmark, Jack D.; and Smith, Matthew, to Bucyrus-Erie Company. Breakout wrench. 3,832,918, 9-3-74, Cl. 81-57.330.

Lang, David M.; and Nelmark, Jack D., to Bucyrus-Erie Company. Tool wrench. 3,844,547, 10-29-74, Cl. 269-25.000.

Lang, Donald D., to Spectra-Strip Corporation. Apparatus for compression and coldwelding of stripped ends of multi-conductor cable. 3,819,104, 6-25-74, Cl. 228-3.000.

Lang, Donald D.; and Lang, Roger, to Spectra-Strip Corporation. Twisting fixture for multi-conductor cable and the like. 3,838,715, 10-1-74, Cl. 140-149.000.

Lang, Douglas R.; and Hight, Graeme K. Marker for use in the detection of oestrus in animals. 3,842,802, 10-22-74, Cl. 119-1.000.

Lang, Edmund, to Elb-Schliff. Fluid-operated machine tool with means for effecting uniform expansion of its frame in response to heating by operating fluid. 3,793,777, 2-26-74, Cl. 51-233.000.

Lang, Edward J.: *See*—
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Lang, Elliot N.: *See*—
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Lang, Ernest U., to Dayco Corporation. Helical coil forming machine. 3,823,590, 7-16-74, Cl. 72-66.000.

Lang, Franz Josef, to Display-Design GmbH fur moderne Verkaufsforderungsmittel und Raumausstattung. Rack construction for the storage of articles. 3,834,324, 9-10-74, Cl. 108-91.000.

Lang, Fred, to General Cable Corporation. Corrugated sheath CATV drop wire. 3,824,330, 7-16-74, Cl. 174-102.00d.

Lang, Friedrich, to Lang Weyland GmbH. Apparatus for stretching the spine. 3,835,844, 9-17-74, Cl. 128-33.000.

Lang, George R.: *See*—
Prendergast, John F.; Chrapkowski, Ralph K.; and Lang, George R., 3,838,286.

Lang, Gerard. Process for preparing 3-alkoxy 5-methyl phthalic anhydrides. 3,801,604, 4-2-74, Cl. 260-346.600.

Lang, Gerard, to Societe Anonyme dite: L'Oreal. Process for the preparation of di-lower alkoxy-3,5-phthalic anhydrides. 3,857,861, 12-31-74, Cl. 260-346.600.

Lang, Henry A.: *See*—
Berry, George A., III; Guillan, Bruce B.; Lang, Henry A.; and Brieschke, Karl H., 3,792,844.

Lang, Jerome G. Connector assembly for intergrated circuit stack. 3,808,506, 4-30-74, Cl. 317-101.00d.

Lang, Karl; and Steiner, Hans, to Mettler Instrumente AG. Stackable housings for electronic equipment. 3,782,589, 1-1-74, Cl. 220-97.00r.

Lang, Karl, to Leitz, Ernst, G.m.b.H. Apparatus for no-contact measurement of the velocity the path or the range of objects. 3,833,299, 9-3-74, Cl. 356-28.000.

Lang, Konrad: *See*—
Widauer, Josef Olav; Lang, Konrad; Baum, Laszlo; and Szabo, Suzanne, 3,846,411.

Lang, L. F., & Son Pools, Inc.: *See*—
Lang, Robert S.; and Carnot, Robert L., 3,820,552.

Lang, Larry E. Centrifuge and method. 3,799,343, 3-26-74, Cl. 210-78.000.

Lang, Ludwig G. Device for the implementation of procedures for the decontamination of internal combustion engine exhaust gases. 3,785,628, 1-15-74, Cl. 261-65.000.

Lang, Manfred: *See*—
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Lang, Robert J., to Esso Research and Engineering Company. Reactor assembly to reduce automotive emissions from an internal combustion engine. 3,791,144, 2-12-74, Cl. 60-278.000.

Lang, Robert S.; and Carnot, Robert L., to Lang, L. F., & Son Pools, Inc. Filter Cartridge cleaner. 3,820,552, 6-28-74, Cl. 134-113.000.

Lang, Roger: *See*—
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Lang, Roger J., to Spectra-Strip Corporation. Jig apparatus for use in stripping insulation from flat multi-conductor cable. 3,851,425, 12-3-74, Cl. 51-217.000.

Lang, Theo O.; and Eyles, Thomas H., to Foster Grant Co., Inc. Nestable container. 3,838,772, 10-1-74, Cl. 206-520.000.

Lang, Thomas G., to United States of America, Navy. Semisubmerged ship with hull extensions. 3,830,178, 8-20-74, Cl. 114-61.000.

Lang, Thomas G., to United States of America, Navy. Semisubmerged ship with bow impact alleviator. 3,842,772, 10-22-74, Cl. 114-61.000.

Lang, Volker. Device for combined monitoring and stimulation of respiration. 3,802,417, 4-9-74, Cl. 128-2.00r.

Lang Weyland GmbH: *See*—
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Lang, William D.: *See*—
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Langager, Bruce A., to Minnesota Mining and Manufacturing Company. Thermosetting poly (hexasubstituted melamines). 3,817,920, 6-18-74, Cl. 260-47.00r.

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Langan, Maurice W., to American Colloid Company. Deck construction. 3,855,747, 12-24-74, Cl. 52-404.000.

Langanke, Helmut; Landenberger, Peter; and Treutel, Georg, to Metallgesellschaft Aktiengesellschaft. Process for producing molecularly oriented, textured continuous filaments. 3,837,156, 9-24-74, Cl. 57-157.0ts.

Langbein, Adolf. *See*—
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Langdon, David H., Prentice, James C.; and Van Olinda, David L., to Terry Controls Corporation. Automatic self-testing programmable industrial controller. 3,829,842, 8-13-74, Cl. 340-172.500.

LaNgdon, Jack L., to International Business Machines Corporation. Construction of monolithic chip and method of distributing power therein for individual electronic devices constructed thereon 3,817,797, 6-18-74, Cl. 148-175.000.

Langdon, Michael Guy, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for the Environment in Her Britannic Majesty's Government of the. Guidance apparatus for track following vehicles. 3,845,719, 11-5-74, Cl. 104-130.000.

Langdon, Michael J.: *See*—
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Lange, Clement, Jr. Swivel rocking chair. 3,829,157, 8-13-74, Cl. 297-263.000.

Lange, Donald A., to General Mills, Inc. Process for preparing protein monofilaments. 3,800,053, 3-26-74, Cl. 426-364.000.

Lange, Emroy W.: *See*—
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Lange, Gunter, and Ulderup, Jorgen, to Lemforder Metallwaren AG. Sliding bearing particularly for universal joints in shifting and steering mechanisms of motor vehicles. 3,782,797, 1-1-74, Cl. 308-238.000

Lange, Hans; Rittersdorf, Walter; Rey, Hans-Georg; and Rieckmann, Peter, to Boehringer Mannheim GmbH. Test strips. 3,802,842, 4-9-74, Cl. 23-253.0tp.

Lange, Harold Carl: *See*—
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Lange, K. Robert; Schiesser, Robert H.; Tonkyn, Richard G.; and Dean, Russell T.; deceased (by Dean, S. Martha; executrix), to Betz Laboratories, Inc. Acrylamido-sulfonic acid polymers and their use as rust and fibercle removing agents. 3,806,367, 4-23-74,Cl. 134-3.000.

Lange, K. Robert; Stern, Arthur M.; Gasner, Lawrence L.; and Hsu, Yuan Tsun, to Betz Laboratories, Inc. Beneficiation of lignin solutions and pulp mill wastes. 3,829,388, 8-13-74, Cl. 252-180.000.

Lange, Karl-Heinz, and Korber, Hermann, to Blada-Werke. Camera-radio combination. 3,792,486, 2-12-74, Cl. 354-76.000.

Lange, Karl-Heinz, to Balda-Werke Photographische Gerate und Kunststoff GmbH & Co., KG. Miniature camera with front wall cover. 3,836,985, 9-17-74, Cl. 354-287.000.

Lange, Michael: *See*—
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Lange, Paul M., to Dow Corning Corporation. Wash-resistant skin preparation. 3,836,647, 9-17-74, Cl. 424-184.000.

Lange, Ralf: *See*—
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Lange, Robert G.; and Kobeski, Walter D., to United States Gypsum Company. Thixotropic cementitious composition and process. 3,847,635, 11-12-74, Cl. 106-110.000

Lange, Ronald Edwin: *See*—
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Lange, Ronald Edwin; Couleur, John F.; and Pine, Donald L., to Honeywell Information Systems, Inc. Cache store clearing operation for multiprocessor mode. 3,845,474, 10-29-74, Cl. 340-172.500.

Lange, Wilfried, to Bukama GmbH. Control valve assembly for a pneumatically operated. stapler. 3,788,195, 1-29-74, Cl. 91-457.000.

Lange, Wilfried, to Bukama GmbH. Stapling or nailing device operated by pressure medium. 3,795,357, 3-5-74, Cl. 227-130.000.

Lange, Wilfried, to Bukama GmbH. Release stop means for pneumatic nail driving or stapling device. 3,796,270, 3-12-74, Cl. 173-15.000.

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Langecker, Erhard. Method for applying labels or plates to hollow bodies of thermoplastic synthetic substance produced by the blow moulding process. 3,801,689, 4-2-74, Cl. 264-94.000.

Langejan, Arend. Preparation of active dried baker's yeast. 3,843,800, 10-22-74, Cl. 426-18.000.

Langem, Werne Lippe: *See—*
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Langen, Marinus J. M.; and Langen, Jacobus J., to Langen, H. J., & Sons Ltd. Carton opening device. 3,783,752, 1-8-74, Cl. 93-53.0sd.

Langen, Marinus J. M.; and Langen, Jacobus J. Carton loader. 3,845,852, 11-5-74, Cl. 198-34.000.

Langenbach, Bob J., to Abex Corporation. Machine tool with angularly adjustable tone head. 3,788,761, 1-29-74, Cl. 408-236.000.

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Langenderfer, Les M., to General Motors Corporation. Gear pump. 3,785,756, 1-15-74, Cl. 418-170.000.

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Langenegger, August. Automatic color-change mechanism for shuttle embroidering machine. 3,823,678, 7-16-74, Cl. 112-84.000.

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Langenstein & Schemann Aktiengesellschaft. *See—*
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Langer, Alois: *See—*
Witte, Waldemar; and Langer, Alois, 3,835,309.

Langer, Arthur: *See—*
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Langer, Arthur W., Jr.: *See—*
Tornqvist, Erik; and Langer, Arthur W., Jr., 3,814,743.
Whitney, Thomas A.; and Langer, Arthur W., Jr., 3,787,496.

Langer, Arthur W., Jr., to Esso Research and Engineering Company. Ethylene vinyl aromatic telomer waxes and processes of preparing them. 3,790,541, 2-5-74, Cl. 260-88.20c.

Langer, Erich, to U.S. Philips Corporation. Circuit arrangement for compensating drop-out in the repreduction of signals recorded on a record carrier. 3,824,620, 7-16-74, Cl. 360-38.000.

Langer, Helmut; and Sollima, Vincent, to Machlett Laboratories, Incorporated, The. Vibration reduced X-ray anode. 3,855,492, 12-17-74, Cl. 313-60.000.

Langer, Karl, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Flexible printing plate locking device for rotary printing press. 3,824,928, 7-23-74, Cl. 101-415.100.

Langer, Paul: *See—*
Dao, Wolfram; Langer, Paul; and Gritzan, Hans, 3,789,967.

Langer, Vojtech; Nesvadba, Emil; and Prerova, Rokytnice U., to Meopta, narodni podnik. Illuminating system of an enlarger. 3,829,210, 8-13-74, Cl. 355-35.000.

Langerwerf, Adrianus: *See—*
Sychbertus, Josephus; and Langerwerf, Adrianus, 3,793,298.

Langerwerf, Josephus Sychbertus Adrianus, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek Ten Behoeve Van Nijverheid. Method for halogenizing surfaces of synthetic and/or natural rubber material. 3,845,031, 10-29-74, Cl. 260-96.00.

Langestein & Schemann Aktiengesellschaft: *See—*
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Langevin, Wilfred L.: *See—*
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Langewis, Cornelis, to Kaiser Aluminum & Chemical Corporation. Can trimmer device. 3,802,363, 4-9-74, Cl. 113-7.00r.

Langford, Donald C. Skier alarm system. 3,798,631, 3-19-74, Cl. 340-179.000.

Langford, Donna: *See—*
Baran, John Stanislaus; and Langford, Donna, 3,818,080.

Langford, Orville L. Three-blade arrangement for electrically powered knife. 3,832,773, 9-3-74, Cl. 30-272.00a.

Langguth, Robert P., to Monsanto Company. Machine dishwashing formulations containing a metal tetracarboxylate. 3,855,139, 12-17-74, Cl. 252-99.000.

Langham, J. Michael. Digital frequency multiple. 3,798,564, 3-19-74, Cl. 331-1.00a.

Langham, Stephen, to General Motors Corporation. Diffuser with boundary layer removal. 3,856,430, 12-24-74, Cl. 415-207.000.

Langhammer, Hans Jurgen: *See—*
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Langhans, Roy K.; and Sunshine, Gary A., to ICI America Inc. Stable liquid emulsifier compositions. 3,795,627, 3-5-74, Cl. 252-356.000.

Langhans, Roy Kenneth, to ICI America Inc. Stable liquid emulsifier compositions. 3,785,993, 1-15-74, Cl. 252-356.000.

Langhans, Roy Kenneth, to ICI America Inc. Method for preparing protein enriched yeast-raised baked products. 3,851,066, 11-26-74, Cl. 426-21.000.

Langheinrich, Hans, to VDO Tachometer Werke Adolf Schindling GmbH. Circuit for converting one code into another. 3,805,041, 4-16-74, Cl. 235-155.000.

Langhorst, Carsten: *See—*
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Langieri, Michael, Jr.; and Meyers, Michael, to Questor Corporation. Chip holder and dispenser. 3,782,594, 1-1-74, Cl. 221-274.000.

Langill, Addison W., Jr.: *See—*
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Langlois, David P. Starch conversion products and processes for preparing same. 3,804,716, 4-16-74, Cl. 195-31.00r.

Langlois, Donald J.: *See—*
Finley, Ronald K.; Langlois, Donald J.; Nicholson, Robert H.; and Porter, Herschel F., 3,794,746.

Langlois, Gary N., to Holosonics, Inc. Acoustical imaging equipment capable of inspecting an object without submerging the object in a liquid. 3,832,888, 9-3-74, Cl. 73-67.50h.

Langlois, Jacques: *See—*
Billarant, Patrick; Goubeau, Robert; and Langlois, Jacques, 3,808,648.

Langlois, Joseph R. Detachable propeller blade. 3,790,304, 2-5-74, Cl. 416-207.000.

Langlois, Michel: *See—*
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Langlois, Roland E.; and Roberson, Cletis L., to Owens-Corning Fiberglas Corporation. Fibrous product and apparatus for and method of producing it. 3,832,840, 9-3-74, Cl. 57-140.00j.

Langlume, Francis A., to Etablissements Nativelle S.A.R.L. Compounds of propanolol and barbituric acids for the treatment of cardiovascular ailments. 3,798,221, 3-19-74, Cl. 260-258.000.

Langmaack, Jurgen: *See—*
Brachthauser, Kunibert; and Langmaack, Jurgen, 3,824,069.

Langmaack, Jurgen; and Haas, Helmut, to Klockner-Humboldt-Deutz Aktiengesellschaft. Vibrating mill with introduction of refrigerants into the solid material being ground in the grinding chamber. 3,785,575, 1-15-74, Cl. 241-33.000.

Langmaack, Jurgen; and Haas, Helmut, to Klockner-Humboldt-Deutz Aktiengesellschaft. Vibrating device with a heat insulated treatment chamber, particularly a vibrating mill. 3,813,084, 5-28-74, Cl. 259-72.000.

Langmann, Werner; and Kuth, Robert, to Bayer Aktiengesellschaft. Process for the dyeing of polyester textile materials. 3,846,070, 11-5-74, Cl. 8-172.000.

Langmead, Walter Alfred: *See—*
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Langoussis, Denis: *See—*
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Langrod, Kasimir, to North American Rockwell Corporation. Method of preparing relatively low density oxide fuel for a nuclear reactor. 3,806,565, 4-23-74, Cl. 264-.500.

Langsam, Michael: *See—*
Petrella, Robert G.; and Langsam, Michael, 3,822,228.

Langsam, Michael, to Air Products and Chemicals, Inc. Vinyl chloride based polymers prepared by in-situ initiators in acid medium. 3,799,916, 3-26-74, Cl. 260-87.100.

Langsam, Michael, to Air Products and Chemicals, Inc. Vinyl chloride based polymers manufactured by initiators prepared in-situ. 3,801,556, 4-2-74, Cl. 260-87.100.

Langsam, Michael, to Air Products and Chemicals, Inc. In-situ initiation of vinyl chloride polymers with sulfonyl peroxides. 3,801,557, 4-2-74, Cl. 260-87.100.

Langsam, Michael, to Air Products and Chemicals, Inc. Short cycle, thermally stable vinyl chloride-propylene copolymers. 3,838,138, 9-24-74, Cl. 260-87.50c.

Langsdorf, William P., to Du Pont de Nemours, E. I., and Company. Carbamoylphosphonates. 3,846,512, 11-5-74, Cl. 260-943.000.

Langsdorf, William P., Jr.: *See—*
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Langsdorf, William P., Jr., to Du Pont de Nemours, E. I., and Company. Plant growth regulant carbamoylphosphonates. 3,819,353, 6-25-74, Cl. 71-76.000.

Langsdorf, William Philip, Jr., to Du Pont de Nemours, E. I., and Company. Alkyl 1,N-(substituted alkylene)-2-benzimidazolecarbamates. 3,804,830, 4-16-74, Cl. 260-239.370.

Langsenkamp, F. H., Company: *See—*
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Langston, Benny: *See—*
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Langston, William C.; and Smith, Donald W., to Aerobiotic Sciences Inc. Sewage disposal system. 3,807,565, 4-30-74, Cl. 210-201.000.

Langstroth, Theodore A.; and Neave, Arthur S., Jr. Fluorescent whitening compositions. 3,853,583, 12-10-74, Cl. 117-33.50t.

Langweiler, Frank, to Siemens Aktiengesellschaft. Measuring arrangement for determining the air-gap flux of a rotating-field machine. 3,855,529, 12-17-74, Cl. 324-158.0mg.

Langwell, John D., to Alexander, Herman. Shelf display article. 3,824,720, 7-23-74, Cl. 40-10.000.

Langwell, John D. Clamp device for releasably securing a stack of sheets together while enabling the sheets to be successively torn away. 3,827,109, 8-6-74, Cl. 24-67.500.

Langwell, John D. Reversible locking paper clip. 3,840,943, 10-15-74, Cl. 24-67.900.

Lania, Anthony R., Chase, Edward L.; Chase, Francis M.; Graham, Leonard P.; and Murray, James E., to Chase Corporation. Thermal barrier tape. 3,855,051, 12-17-74, Cl. 161-165.000.

Lanier, Carroll W., to Ethyl Corporation. Process for the production of olefins. 3,789,081, 1-29-74, Cl. 260-683.15d.

Lanier Electronic Laboratory, Inc.: *See—*
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Bolick, Fred C., Jr., 3,820,101
Bolick, Fred C., Jr., 3,827,079.

Lanier Electronic Laboratory, Inc., mesne: *See—*
Nye, William M., and Jones, Stanley W., 3,783,199.
Nye, William M.; and Jones, Stanley W., 3,821,802.

Lanier, Theodore, 20% to Lee, Raymond, Organization, Inc., The. Hydro-filtration apparatus. 3,844,748, 10-29-74, Cl. 55-255.000.

Laniewski, Leonard W.: *See—*
Kendall, Kenneth J.; Telleri, Carmen M.; and Laniewski, Leonard W., 3,848,246.

Lanigan, Richard W., and Szymber, Oleg, to American Hospital Supply Corporation. Heat-retaining server. 3,837,330, 9-24-74, Cl. 126-246.000.

Lanik, John H., to Owens-Corning Fiberglas Corporation. Glass fiber reinforced elastomers. 3,844,821, 10-29-74, Cl. 117-72.000.

Laningham, Gene R.: *See—*
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Lank, Monita May Thorp: *See—*
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Lanker, Lynn H.: *See—*
Hengtson, Eric G.; and Lanker, Lynn H., 3,794,709.

Lanker, Willi, to Turlabor, A.G. Process for treating photoconductors. 3,815,295, 6-11-74, Cl. 51-289.00r.

Lankford, Benson E. Sportsman's hood seat. 3,835,471, 9-17-74, Cl. 2-84.000.

Lankford, Larry G.: *See—*
Bederman, Seymour, and Lankford, Larry G., 3,839,800.

Lankford, Larry G.; and Whittle, William R., to International Business Machines Corporation. Adaptive numerically controlled machine tool responsive to deflection forces on the tool normal to the cutting path. 3,849,712, 11-19-74, Cl. 318-561.000.

Lankford, Pat B. Fastening device for reinforcing rods. 3,806,994, 4-30-74, Cl. 24-84.00b.

Lankheet, Jay A. Process of producing a foamed polystypene resin molded product. 3,836,617, 9-17-74, Cl. 264-51.000.

Lankhorst, Jan: *See—*
Heyse, William T.; Lankhorst, Jan; and Mendoza, Carl, 3,822,182.

Lanman, Robert W., to Hadady Machining Co., Inc. Center drilling hold-down device. 3,825,363, 7-23-74, Cl. 408-124.000.

Lanneau, Keith P.: *See—*
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Lannert, James W.: *See—*
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Harris, Everett K.; Anderson, William P.; and Lannert, James W., 3,851,920.

Lannert, Kent P.; and Harken, Russel D., to Monsanto Company. Dioxolane polycarboxylates. 3,855,248, 12-17-74, Cl. 260-340.900.

Lanning, Ronald L., to TRW Inc. Phase correction circuit. 3,787,775, 1-22-74, Cl. 329-122.000.

Lanoux, Sigred B.; Ellzey, Samuel E., Jr.; Drake, George L., Jr.; and Reeves, Wilson A., to United States of America, Agriculture. Phosphinidynetrimethanol triacetate. 3,845,107, 10-29-74, Cl. 260-488.00j.

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Lanpheer, Richard A., to Brunswick Corporation. Tuning arrangement for outboard motor. 3,808,807, 5-7-74, Cl. 60-313.000.

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Lansdowne, Homer D. Coaster. 3,797,796, 3-19-74, Cl. 248-346.100.

Lansford, Robert W.; and Gardner, Tommy R., to Halliburton Company. Methods for inhibiting scale formation. 3,832,302, 8-27-74, Cl. 210-58.000.

Lansing Bagnall Limited: *See—*
Goodacre, Cecil; and Leggett, Peter Alfred, 3,820,674.
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Goodacre, Cecil, 3,854,748.

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Lansky, Zdenek J.; and Claar, Leslie M., to Parker-Hannifin Corporation. Hydraulic system with series wound pump drive motor. 3,788,076, 1-29-74, Cl. 60-452.000.

Lanta, Jiri: *See—*
Marsalek, Milan; Junek, Jan; Brynda, Vaclav; Burysek, Frantisek, Horttlik, Frantisek, Ripka, Josef; and Lanta, Jiri, 3,812,667.

Lantech, Inc.: *See—*
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Lantz, William F. Anchor hold-down device. 3,785,323, 1-15-74, Cl. 114-210.000.

Lanusse, Pierre; Hernandez, Rene; and Slodzian, Georges, to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Apparatus for directing an energizing beam on a sample to cause secondary ion emission. 3,798,447, 3-19-74, Cl. 250-49.50p.

Lanvin, Jeanne, SA: *See—*
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Lanvin, Lucie, to Lanvin, Jeanne, SA. Wrist watch bracelet 3,844,458, 10-29-74, Cl. 224-4.00j

Lany, Jan: *See—*
Bursik, Ladislav; Bursik, Jan; and Lany, Jan, 3,795,782

Lanz Medical Products Company: *See—*
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Lanz, Paul: *See—*
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Furlenmeier, Andre, Quitt, Peter; Vogler, Karl, and Lanz, Paul, 3,839,322.

Lanz, William E.; and Wilson, Eugene M., to Caterpillar Tractor Company. Replaceable cutting edge assembly with wedge means. 3,831,297, 8-27-74, Cl. 37-141.00r.

Lanza, Alfred O., to Dynadesign, Inc. Costumer. 3,807,574, 4-30-74, Cl. 211-176.000.

Lanzenberger, Horst. Multi-step transmission with an indexing disk. 3,841,170, 10-15-74, Cl. 74-473.00r.

Lanzet, Monroe, and Mavroudis, Eugene, to Yardley of London, Inc. Collapsible foam pre-electric shave lotion containing diestec lubricants. 3,824,303, 7-16-74, Cl. 424-47.000.

Lanzillotta, Tony, to Lee, Raymond, Organization, Inc., The. Hair dryer and groomer. 3,820,551, 6-28-74, Cl. 132-11.000.

Lanzilotta, Raymond P., to Syntex Corporation. Microbiological reduction of 1,3-dioxo-2-alkylcycloalkanes. 3,793,148, 2-19-74, Cl. 195-51.00r.

Lanzilotta, Raymond P., to Syntex Corporation. Preparation of D-(-) pantoic acid and/or D-(-) pantoyl lactone. 3,850,750, 11-26-74, Cl. 195-30.000.

Laor, Dan: *See—*
Shoshani, Avraham; Laor, Dan; Benzeev, Dan; Inbar, Dan; and Sabbah, Benjamin Prosper, 3,833,795.

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LaPaglia, Samuel A.: *See—*
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Lapat, Philip E.; and Hellyer, Walter C., to Newmont Exploration Limited. Recovery of rhenium from molybdenite. 3,798,306, 3-19-74, Cl. 423-50.000.

Lapat, Philip E., to Kennecott Copper Corporation. Refining of liquid copper. 3,802,871, 4-9-74, Cl. 75-93.00r.

Lapczyna, Manfred: *See—*
Hubert, Helmut; Jung, Anton Ladislaus; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Burbach, Gerhard Schmidt, 3,804,548.
Schmidt-Burbach, Gerhard; Jung, Anton L.; Hubert, Helmut; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Strauss, Heinz, 3,798,879.

Lapeyre, Gabriel Ernest Rene. Device for fixing a dental prosthesis. 3,834,023, 9-10-74, Cl. 32-5.000.

Lapeyre, James M., to Laitram Corporation, The. Shrimp peeling wheel support alignment locking device. 3,797,071, 3-19-74, Cl. 17-73.000.

Lapeyre, James M., to Laitram Corporation, The. Tuna butchering method and system. 3,800,363, 4-2-74, Cl. 17-52.000.

Lapeyre, James M. Method for extracting means from crustaceans. 3,812,271, 5-21-74, Cl. 426-312.000.

Lapeyre, James M., to Laitram Corporation, The. Wave energy converter array. 3,818,703, 6-25-74, Cl. 60-504.000.

Lapeyre, James M., to Laitram Corporation, The. Apparatus for converting the energy of ocean waves. 3,818,704, 6-25-74, Cl. 60-504.000.

Lapham, Sidney D. Self-tracking industrial trailer. 3,820,811, 6-28-74, Cl. 280-99.000.

Lapham, Sidney D. Material handling system. 3,825,130, 7-23-74, Cl. 214-16.00b.

Lapidot, Heine, to General Electric Company. Process and apparatus for the purification of an aqueous waste stream from a silicone-polymer producing plant. 3,855,124, 12-17-74, Cl. 210-44.000.

Lapidus, Herbert, to Combe Incorporated. Depilation device. 3,808,637, 5-7-74, Cl. 17-1.00d.

Lapidus, Herbert, to Combe Incorporated. Deodorizer sheet material. 3,842,519, 10-22-74, Cl. 36-44.000.

Lapidus, Milton: *See—*
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Alburn, Harvey E.; Clark, Donald E.; Grant, Norman G.; and Lapidus, Milton, 3,832,373.
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Lapidus, Milton; and McGettigan, Marian M., to American Home Products Corporation. N-trihaloacetyl aspartic acid dipeptide ester sweetening agents. 3,814,747, 6-4-74, Cl. 260-112.500.

Lapidus, Milton; and McGettigan, Marian M., to American Home Products Corporation. L-aspartic acid derivatives. 3,818,077, 6-18-74, Cl. 260-501.110.

Lapierre, Charles-Leon Albert: *See—*
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Lapierre, Philippe D.: *See—*
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Laplante, Lionel J.: *See—*
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Lapore, Paul D.; and Hahn, Peter A., to Grace, W. R., & Co. Ammonium and potassium isobutyrates as pathogen growth inhibitors and growth stimulators. 3,806,600, 4-23-74, Cl. 424-317.000.

Laporte Chemicals Limited: *See—*
Cubbon, Robert C. P.; Braid, John E.; Oates, Alfred E.; and Preston, Ronald, 3,787,503.

Laporte Industries, Limited: *See—*
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Jenkins, Victor Frederick; and Lee, Stephen Arthur, 3,853,795.
Jenkins, Victor Frederick; and Doherty, Daniel Anthony, 3,856,716.
Koberstein, Edgar; and Lakatos, Eduard, 3,787,322.
Neumann, Barbara Susan, 3,839,389.

Laporte, Jean Michel; and Laporte, Jean-Claude. Clay pigeon dispensing apparatus. 3,841,293, 10-15-74, Cl. 124-8.000.

Laporte, Jean-Claude: *See—*
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Lapp, Daniel Alvin: *See—*
Yoder, David Alfred; and Lapp, Daniel Alvin, 3,850,145.

Lapp, John; and Weiler, Norbert R., to McGraw-Edison Company. Machine for winding an electrical capacitor. 3,829,941, 8-20-74, Cl. 29-25.420.

Lapp, John; and Weiler, Norbert R., to McGraw-Edison Company. Method of manufacturing an electrical capacitor. 3,831,234, 8-27-74, Cl. 29-25.420.

Lappage, James: *See—*
Leach, Roger; Doggett, Neil; and Lappage, James, 3,851,698.

Lappe, Hans: *See—*
Heldt, Kurt; and Lappe, Hans, 3,797,993.

Lapper, Maurice Noel, to British Steel Corporation. Stock cutting measurement systems. 3,834,262, 9-10-74, Cl. 83-345.000.

Lapper, Maurice Noel, to British Steel Corporation. Apparatus for measuring movement of a ferromagnetic member. 3,851,395, 12-3-74, Cl. 33-141.00r.

Lappi, Larry R.: *See—*
Moore, George G. I.; and Lappi, Larry R., 3,856,859.

Lappin, Frank S.; deceased (by Lappin, Thomas F.; and Lappin, Robert W.; executors). Anti-air pollution device. 3,800,513, 4-2-74, Cl. 55-238.000.

Lappin, Robert W.: *See—*
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Lappin, Terry A.: *See—*
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Lappin, Thomas F.: *See—*
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Lapporte, Seymour J.: *See—*
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Lapporte, Seymour J.; and Toland, William G., to Chevron Research Company. Methylene and oxymethylene bis-ester production. 3,812,176, 5-21-74, Cl. 260-494.000.

Lapporte, Seymour J., to Chevron Research Company. Methylation process. 3,822,271, 7-2-74, Cl. 260-290.00r.

Lapraik, Scott J., to Viking Industries, Inc. Adjustable electrical connector hood. 3,803,530, 4-9-74, Cl. 339-36.000.

LaPuma, Victor J. Photocopy liquid developing apparatus. 3,802,388, 4-9-74, Cl. 118-637.000.

Lara, Julio: *See—*
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Larah, David Arthur, to Mather & Platt Limited. Foam-water sprinkler device. 3,795,368, 3-5-74, Cl. 239-432.000.

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Larami Corporation: *See—*
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Laran, Roy J.: *See—*
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Shepherd, Lawrence H., Jr.; Kobetz, Paul; Laran, Roy J.; and Johnson, Robert W., Jr., 3,847,998.

Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., to Ethyl Corporation. Preparation of dimethyl beryllium. 3,812,195, 5-21-74, Cl. 260-665.00r.

Laran, Roy J.; Kobetz, Paul; and Johnson, Robert W., Jr., to Ethyl Corporation. Two step process for producing beryllium hydride from a beryllium halide. 3,830,906, 8-20-74, Cl. 423-645.000.

Laran, Roy Joseph: *See—*
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Larcher, Angelo C. Protective headgear. 3,787,893, 1-29-74, Cl. 2-3.00r.

Lardeau, Jacques, to Societe d'Optique, Precision, and Societe d'Optique, Precision, Electronique et Mecanique-SOPELEM. 3,785,265, 1-15-74, Cl. 95-64.00r.

Lardeau, Jacques, to Societe d'Optique, Precision, Electronique et Mecanique-SOPELEM. Variable-field mixer for television transmissions. 3,814,853, 6-4-74, Cl. 178-7.850.

Lardenois, Robert A. Cylindrical hair brush. 3,843,990, 10-29-74, Cl. 15-159.00r.

Lardner, George E.: *See—*
Mackal, Glenn H.; and Lardner, George E., 3,831,629.

Lare, Paul J.; and Divecha, Amarnath P., to Melpar, Inc. Process for consolidation and extrusion of fiber-reinforced composites. 3,833,697, 9-3-74, Cl. 264-60.000.

Large, Bryan John: *See—*
Broughton, Barbara Joyce; Large, Bryan John; Marshall, Stuart Malcolm; Pain, David Lord; and Wooldridge, Kenneth Robert Harry, 3,819,631.

Large, George B., to Stauffer Chemical Company. 2-Carbomethoxy-1-methylvinyl ethyl phosphonothioates. 3,784,589, 1-8-74, Cl. 260-941.000.

Large, George B.; and Pitt, Leland S., to Stauffer Chemical Company. O,0-Diloweralkyl-0-(1-methyl-2-phenyl vinyl) thiophosphates. 3,830,887, 8-20-74, Cl. 260-957.000.

Large, John; Moss, James; and Dutton, David. Processing of wires. 3,842,643, 10-22-74, Cl. 72-286.000.

Larger, Dominique Marie, to Eau et Assainissement Socea. Process and apparatus for simultaneously incinerating combustible waste and sludge. 3,815,522, 6-11-74, Cl. 110-8.00r.

Largman, Theodore: *See—*
Stone, Herman; and Largman, Theodore, 3,806,488.

Largman, Theodore; and Stone, Herman, to Allied Chemical Corporation. Polyethylene terephthalate. 3,847,861, 11-12-74, Cl. 260-40.00r.

Laridon, Urbain Leopold, to Agfa-Gevaert N.V. Process for the production of half-tone and line work multi-colour photographic images. 3,798,034, 3-19-74, Cl. 96-15.000.

Laridon, Urbain Leopold; and Van den Houte, Jozef Willy, to Agfa-Gevaert N.V. Photochromic composition containing polyhalogenated hydrocarbon, spiropyran compound and poly-N-vinylcarbazole and the use thereof. 3,810,762, 5-14-74, Cl. 96-48.00r.

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Laridon, Urbain Leopold; Delzenne, Gerard Albert; and Peeters, Hugo Karel, to Gevaert-Agfa N.V. Photopolymerisation of ethylenically unsaturated organic compounds. 3,847,610, 11-12-74, Cl. 96-35.100.

Larimer, Frank A.: *See—*
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Larive, Francis Paul; and Larive, Calvin Arthur. Snowmobile banking mechanism. 3,815,696, 6-11-74, Cl. 180-5.00r.

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Viterbo, Rene; Larizza, Angelo; and Perri, Giulio Cesare P-(2-(1-phenyl-3,5-dioxy-4-N-butyl)-pyrazolydinyl)phenylphosphoric acid, its organic and inorganic salts, 3,803,166.

Larjukhin, Grigory Artemovich; Chernyshev, Valentin Vasilievich; Nikitin, Vladislav Iosifovich; Serikov, Jury Mitrofanovich; and Kosinov, Vyacheslav Georgievich. Self-propelled machine with a driven work-performing member. 3,828,560, 8-13-74, Cl. 60-709.00.

Larker, Hans: *See—*
Isaksson, Sven-Erik; Larker, Hans; and Lindberg, Mats, 3,790,340.

Larker, Hans; Isaksson, Sven-Erik; Lindberg, Mats; and Granberg, Gunnar, to Allmanna Svenska Elektriska Aktiebolaget. Cylindrical elongated furnace for treating material at high temperature in a gaseous atmosphere under high pressure. 3,790,339, 2-5-74, Cl 432-249.000.

Larker, Hans; and Nilsson, Jan, to Allmanna Svenska Elektriska Aktiebolaget. Method of joining wire of compound material. 3,820,229, 6-28-74, Cl. 29-470.100.

Larkin, Barrymore T., to Koppers Company, Inc. Apparatus for continuous liquid phase separation. 3,785,776, 1-15-74, Cl. 23-267.00r.

Larkin, Daniel J.; and Hunt, Robert L., to National Can Corporation. Trimming apparatus for tubular bodies. 3,838,653, 10-1-74, Cl. 113-7.00r.

Larkin, David L. Educational device. 3,828,447, 8-13-74, Cl. 35-9.00r.

Larkin, Dennis J., to Celanese Corporation. Expansion joint assembly. 3,807,777, 4-30-74, Cl. 285-302.000.

Larkin, John J.: *See—*
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Larkin, Oscar L.: *See—*
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Larkin, Robert F., to Ecolotec Inc. Dual steering for tilt-cab vehicle. 3,814,204, 6-4-74, Cl. 180-89.000.

Larkin, Sam. Spring assemblies and bedspring made therefrom and methods of making the same. 3,855,651, 12-24-74, Cl. 5-248.000.

Larkin, Sam. Apparatus for preventing displacement of molds. 3,856,075, 12-24-74, Cl. 164-323.000.

Larkin, Terrance M., to Gates Rubber Company, The. Battery paste pumping and metering system. 3,814,628, 6-4-74, Cl. 117-201.000.

Larkin, William A.; Kostrowski, John J.; and Touval, Irving, to M & T Chemicals Inc. Flame retardant compositions. 3,816,367, 6-11-74, Cl. 260-29.60r.

Larkin, William A.; Ringwood, Robert C., Jr.; and Treadwell, Kenneth, to M & T Chemicals Inc. Barium carbonate as modifies for certain non-rigid polyurethane foams. 3,857,802, 12-31-74, Cl. 260-2.0be.

Larkins, Thomas H., Jr., to Eastman Kodak Company. Vapor phase oxidation of phenols. 3,794,668, 2-26-74, Cl. 260-396.00r.

Larnerd, John D.; McGarigle, Donald M.; and Samuelson, Carl E., to International Business Machines Corporation. Method of aligning and attaching circuit devices on a substrate. 3,811,186, 5-21-74, Cl. 29-626.000.

LaRocca, James J.; McGrail, John G.; and Mazur, Richard A., to Continental Can Company, Inc. Can registration position system. 3,850,123, 11-26-74, Cl. 113-113.00c.

Laroche, Pierre: *See—*
Toussaint, Francois; Laroche, Pierre; Schottey, Jean; and Lambert, Emmanuel, 3,843,472.

Laronze, Joseph, to BBC Brown Boveri & Company Limited. Tubular inductor structure for linear motors. 3,828,211, 8-6-74, Cl. 310-13.000.

Laronze, Joseph, to Compagnie Electro-Mecanique. Relative to linear induction motor and cooling device applied to the same. 3,835,339, 9-10-74, Cl. 310-13.000.

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Larrabee, Robert Dean, to RCA Corporation. Thermal detector and method of making the same. 3,801,949, 4-2-74, Cl. 338-22.00r.

Larrable, William T., to Paper-Pak Products, Inc. Fiber cutting apparatus with self-contained blade sharpener. 3,821,915, 7-2-74, Cl. 83-174.000.

Larraburu, Philippe M. Manually operated lamphouse. 3,818,216, 6-18-74, Cl. 240-41.300.

Larralde, Edward: *See—*
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Larralde, Edward; and Butler, Bryan V., to Vetco Offshore Industries, Inc. Variable rate hydraulic-pneumatic weight control and compensating apparatus. 3,793,835, 2-26-74, Cl. 60-413.000.

Larralde, Edward, to Vetco Offshore Industries, Inc. Floating dredge motion compensator. 3,797,139, 3-19-74, Cl. 37-67.000.

Larralde, Edward; and Robinson, Glenn, to Vetco Offshore Industries, Inc. Hydraulic motion compensating apparatus. 3,841,607, 10-15-74, Cl. 254-172.000.

Larroche, Claude: *See—*
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Larroche, Jean; and Larroche, Claude. Process for obtaining dried fruits, especially prunes. 3,800,049, 3-26-74, Cl. 426-305.000.

Larry, John R. High adhesion metallizing compositions. 3,827,891, 8-6-74, Cl. 106-1.000.

Larry, John Robert, to Du Pont de Nemours, E. I., and Company. Novel conductive metallizations. 3,843,350, 10-22-74, Cl. 75-.50r.

Larry, John Robert, to Du Pont de Nemours, E. I., and Company. Metallizations comprising nickel oxide. 3,854,957, 12-17-74, Cl. 106-1.000.

Lars-Jos, Pehr. Glove and method of making. 3,822,417, 7-9-74, Cl. 2-169.000.

Larsen, Arthur Bertel, to Bell Telephone Laboratories, Incorporated. Color camera system having complete spectral characteristics. 3,789,132, 1-29-74, Cl. 178-5.4st.

Larsen, Arthur Lee, to Marathon Oil Company. Amine/phosphate composition useful as corrosion and scale inhibitor. 3,787,319, 1-22-74, Cl. 252-8.55e.

Larsen, Arthur Lee, to Marathon Oil Company. N-secondary-alkyl alkylene diamine salts of phosphate ester acids. 3,787,533, 1-22-74, Cl. 260-924.000.

Larsen, Arthur Lee, to Marathon Oil Company. Amine/phosphate composition useful as corrosion and scale inhibitor. 3,836,462, 9-17-74, Cl. 210-58.000.

Larsen, Aubrey A.: *See—*
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Larsen, Bob W.: *See—*
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Larsen, Dee E., to Amdahl Corporation. Binary carry lookahead adder using redundancy terms. 3,805,045, 4-16-74, Cl. 235-175.000.

Larsen, Dee E.; and Clements Michael R., to Amdahl Corporation. Operand comparator. 3,825,895, 7-23-74, Cl. 340-146.200.

Larsen, Donald T.: *See—*
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Larsen, Donald W., to Grace, W. R., & Co. N-arylenepolycarbamate. 3,783,152, 1-1-74, Cl. 260-471.00c.

Larsen, Dorwin R.: *See—*
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Larsen, Earl I., to Mallory, P. R., & Co., Inc. Rare earth fluoride lubricant for die casting components. 3,830,280, 8-20-74, Cl. 164-72.000.
Larsen, Earl I.; and Krock, Richard H., to Mallory, P. R., & Co., Inc. Liquid phase sintered molybdenum base alloys having additives and shaping members made therefrom. 3,841,846, 10-15-74, Cl. 29-182.000.
Larsen, Eric R.: *See—*
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Larsen, Eric R.; Andrejewski, Bernard R.; and Edamura, Fred Y., to Dow Chemical Company, The. Substituted haloalkoxy- and haloalkylthio-phenols and thiophenols. 3,784,608, 1-8-74, Cl. 260-609.00d.
Larsen, Eric R.; McKendry, Lennon H.; and Edamura, Fred Y. Substituted phenoxy- and phenylthio-alkanols and alkanethiols. 3,784,610, 1-8-74, Cl. 260-609.00d.
Larsen, Eric R.; McKendry, Lennon H.; and Edamura, Fred Y., to Dow Chemical Company, The. Substituted phenoxy-alkanols. 3,784,611, 1-8-74, Cl. 260-613.00d.
Larsen, Eric R.; McKendry, Lennon H.; and Edamura, Fred Y., to Dow Chemical Company, The. Substituted phenoxy- and phenylthio-alkyl acetates and alkane (di) thioacetates. 3,803,216, 4-9-74, Cl. 260-488.0cd.
Larsen, Eric R., to Dow Chemical Company, The. Halogenated fire extinguishing agent for total flooding system. 3,844,354, 10-29-74, Cl. 169-46.000.
Larsen, Ernest F., to King of All, Inc., The. Clasp for bola tie with interchangeable mount. 3,813,737, 6-4-74, Cl. 24-495.000.
Larsen, Farrell G.: *See—*
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Larsen, Glen D., to Southern Railway Company. Open top railway freight car having bulb angle element along top edge of sidewalls. 3,833,135, 9-3-74, Cl. 214-64.200.
Larsen, Gregory J., to Wayne Manufacturing Company. Cutter broom suspension. 3,825,968, 7-30-74, Cl. 15-87.000.
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Larsen, Jan. Method and means for reducing wave pressures on undersea constructions. 3,826,098, 7-30-74, Cl. 61-46.000.
Larsen, Kenneth N.: *See—*
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Larsen, Larry D.; and Kobek, Edward F., to Honeywell Inc. Smoke detector circuit. 3,812,362, 5-21-74, Cl. 250-370.000.
Larsen, Larry D.; Rekarek, Joseph C.; Kompelien, Arlon D.; and Rork, Gerald D., to Honeywell Inc. Dual chamber ionization smoke detecter. 3,832,552, 8-27-74, Cl. 250-381.000.
Larsen, Larry D.; and Kompelien, Arlon D., to Honeywell Inc. Ionization chamber with recessed radioactive body. 3,849,685, 11-19-74, Cl. 313-54.000.
Larsen, Odd; and Johnson, Carl N., to Texas Instruments, Incorporated. Solid state motor starting apparatus. 3,794,949, 2-26-74, Cl. 338-22.00r.
Larsen, Ole Fjord. Apparatus and system for producing and protecting deposits of sedimentary material on floors of bodies of water. 3,830,066, 8-20-74, Cl. 61-3.000.
Larsen, Ole Jeppe Fjord. Device for producing and protecting deposits of sedimentary material on the floor of bodies of water. 3,844,123, 10-29-74, Cl. 61-3.000.
Larsen, Otis M. Vernier attachment. 3,813,785, 6-4-74, Cl. 33-169.00b.
Larsen, Reid S. Tanning composition and process. 3,850,575, 11-26-74, Cl. 8-94.19r.
Larsen, Rex Stemann: *See—*
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Larsen, Richard J.: *See—*
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Larsen, Robert T., to Outboard Marine Corporation. Snowmoblie construction. 3,819,000, 6-25-74, Cl. 180-5.00r.
Larsen, Ronald L., to Conwed Corporation. Extrusion. 3,790,326, 2-5-74, Cl. 425-325.000.
Larsen, Ronald L., to Conwed Corporation. Plastic net deck surface and drainage unit. 3,795,180, 3-5-74, Cl. 94-33.000.
Larsen, Veggo F., Co., The: *See—*
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Larsen's Manufacturing Company: *See—*
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Larsh, Everett P. Slip stabilizer fin. 3,818,959, 6-25-74, Cl. 114-126.000.
Larsh, Everett P. Marine vessel roll stabilizer apparatus. 3,842,777, 10-22-74, Cl. 114-126.000.
Larsh, Ray E.; and Urbansky, Donald I., to Kleen Test Products, Inc. Protective foot cover. 3,798,503, 3-19-74, Cl. 317-2.00b.
Larsh, Ray E.; and Urbansky, Donald I., to Kleen Test Products, Inc. Surgical drape with closed fenestration. 3,826,253, 7-30-74, Cl. 128-132.00d.
Larsile, Jacques, to Techmilec. Electrical service duct. 3,806,858, 4-23-74, Cl. 339-22.00r.
Larsile, Jacques, to Technilec. Wall service ducts. 3,821,688, 6-28-74, Cl. 339-22.00r.
Larsile, Jacques, to Technilec. Electrical connectors. 3,836,885, 9-17-74, Cl. 339-75.00r.
Larson, Agne, to Nuclear-Chicago Corporation. Scintillation camera with improved resolution. 3,792,274, 2-12-74, Cl. 250-368.000.
Larson, Allen E., to Atlantic Richfield Company. Pattern wax composition. 3,801,335, 4-2-74, Cl. 106-38.800.
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Larson, Byron A. Gauge for use in straightening automative frames. 3,786,572, 1-22-74, Cl. 33-288.000.
Larson, Carlen E.: *See—*
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Larson, Charles O., to Larson, Chas. O., Co. Storage hook. 3,782,672, 1-1-74, Cl. 248-302.000.
Larson, Charles O., to Larson, Chas. O., Co. Drive fastener device. 3,800,654, 4-2-74, Cl. 85-49.000.
Larson, Charles O., to Larson, Chas. O., Co. Method forming a drive fastener device. 3,811,269, 5-21-74, Cl. 59-77.000.
Larson, Charles O., to Larson, Chas. O., Co. Display stand. 3,830,375, 8-20-74, Cl. 211-59.000.
Larson, Charles O., to Larson, Chas. O., Co. Article support bracket. 3,853,293, 12-10-74, Cl. 248-223.000.
Larson, Charles O., to Larson, Chas. O., Co. Display rack construction. 3,855,943, 12-24-74, Cl. 108-28.000.
Larson, Charles R., to Prab Conveyors, Inc. Temperature control system for metal scrap dryers. 3,839,086, 10-1-74, Cl. 134-19.000.
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Larson, Clarence E.; Dawley, Richard H.; and Reese, Roger H., to Martin Marietta Corporation. Portable bin carrier assembly. 3,834,568, 9-10-74, Cl. 214-307.000.
Larson, Clifford L., to Korthe Engineering Corporation. Fluid operated web break detector assembly with switch actuator motion blocking means. 3,823,283, 7-9-74, Cl. 200-61.180.
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Larson, Daniel A., to Westinghouse Electric Corporation. High pressure mercury chromium iodide discharge lamp with phosphor coating. 3,821,577, 6-28-74, Cl. 313-25.000.
Larson, Daniel A., to Westinghouse Electric Corporation. High luminous efficacy white appearing lamp. 3,832,591, 8-27-74, Cl. 313-229.000.
Larson, Dennis H.: *See—*
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Larson, Donald J. Method of fabricating structures. 3,855,028, 12-17-74, Cl. 156-79.000.
Larson, Eugene, to NPI Corporation, mesne. Air curtain. 3,797,373, 3-19-74, Cl. 98-36.000.
Larson, Floyd Gotthard, Jr., to International Nickel Company, Inc., The. Nickel-aluminum particle with improved grindability. 3,839,011, 10-1-74, Cl. 75-.5ba.

Larson, Floyd Gotthard, Jr.; and Snape, Edwin, to International Nickel Company, Inc., The. Method for producing nickel catalyst. 3,846,344, 11o5-74, Cl. 252-466.00j.
Larson, George D.: *See—*
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Larson, Henry B. Particulate material sampling device. 3,789,671, 2-5-74, Cl. 73-423.00r.
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Larson, Kampbell T.: *See—*
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Larson, Kay R.; Drew, John; and Ott, Howard. Silver recovery unit. 3,792,845, 2-19-74, Cl. 266-22.000.
Larson, Kenneth C.: *See—*
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Larson, Lawrence H.; and Tindall, Don J. Apparatus for forming progressive power lens blanks. 3,853,499, 12-10-74, Cl. 51-33.00r.
Larson, Lester L., to Tektronix, Inc. Oscilloscope sweep system with two sweep generators having speed rate switches and sweep mode switches operated by a control knob. 3,857,059, 12-24-74, Cl. 315-391.000.
Larson, Lester M. Thermoplastic splint or cast. 3,809,600, 5-7-74, Cl. 161-109.000.
Larson, Lester M. Thermoplastic splint or cast. 3,853,124, 12-10-74, Cl. 128-90.000.
Larson, Lewis G., to Phillips Petroleum Company. Downflow cocurrent catalytic cracking. 3,835,029, 9-10-74, Cl. 208-113.000.
Larson, Martin E., to Honeywell Inc. Flame detection system with compensation for the flame detector. 3,820,097, 6-25-74, Cl. 340-228.200.
Larson, Mary E. Wheeled carrier for refuse containers. 3,845,968, 11-5-74, Cl. 280-36.00c.
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Larson, Ray W.; Morsell, Arthur Lee; Muntz, Eric P.; and Wilkowsky, Murray, to Xonics, Inc. Electron radiogram developer with image field screen. 3,842,801, 10-22-74, Cl. 118-638.000.
Larson, Raymond B.; and Wogoman, Frank W., to Wells Electronics, Inc. Method for forming electrical joints between intermediate parts of an elongated conductor and selected conductive elements on an electrical assembly. 3,812,581, 5-28-74, Cl. 29-628.000.
Larson, Richard E., to Cherne Industrial, Inc. Sewer repair apparatus. 3,834,422, 9-10-74, Cl. 138-97.000.
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Larson, Russell W. Sailboat. 3,841,251, 10-15-74, Cl. 114-39.000.
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Larson, Timothy William. Tent stake guard. 3,814,118, 6-4-74, Cl. 135-15.0pe.
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Larsonneur, Louis C., to Nalco Chemical Company. Hot rolling mill lubrication apparatus and process. 3,837,199, 9-24-74, Cl. 72-21.000.
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Larsson, Arne Algot Ragnar. Device for collecting loose material from a surface, particularly oil floating on water. 3,838,775, 10-1-74, Cl. 210-242.000.
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Larsson, Hans-Gunnar; and Bergman, Carl, to Allmanna Svenska Elektriska Aktiebolaget. Apparatus for isostatic hot pressing of powder. 3,829,261, 8-13-74, Cl. 425-78.000.
Larsson, John Roland, to Aktiebolaget Assa. Pressure converter. 3,848,414, 11-19-74, Cl. 60-593.000.
Larsson, Karl H.: *See—*
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Larsson, Sven Gunnar Olof, to Gunnebo Bruks Aktiengesellschaft. Trigger mechanism for cartridge tool. 3,816,951, 6-18-74, Cl. 42-69.00r.
Larsson, Sven Gunnar Olof, to Gunnebo Bruks Aktiebolag. Cartridge case ejector for bolt gun. 3,820,266, 6-28-74, Cl. 42-25.000.
Larsson, Sven Sigvard; and Brange, Lennart Bertil Vilhelm, to Kockums Mekaniska Verkstads AB. Welding apparatus for interconnecting flanges. 3,818,172, 6-18-74, Cl. 219-82.000.
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Lartigue, Gerard; and Rousselet, Andre, to Hoffmann-La Roche Inc. Apparatus for transferring liquids. 3,810,720, 5-14-74, Cl. 417-429.000.
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Lasker, Adolphe H. A. Steak or meat cutting assembly. 3,817,138, 6-18-74, Cl. 83-466.100.

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Lassen, Jorgen Buus: *See—*
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Lattarulo, Charles Joseph; and Civardi, Frank Peter, to Inmont Corporation. Microporous water-vapor permeable sheet material carrying closely spaced raised polymer deposits. 3,821,012, 6-28-74, Cl. 117-45.000.

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Lau, Dicksen T. W. Mosiac composite sheet composed of a new type of greeting cards. 3,827,170, 8-6-74, Cl. 40-158.00r.

Lau, Erwin M., to Black Products Co. Bag filling machine having door-type inlet valve. 3,831,643, 8-27-74, Cl. 141-68.000.

Lau, Gunther; Bradatsche, Edmond; and Brandl, Hermann J. Sealing and transport means for corrugated paperboard impregnating apparatus. 3,842,795, 10-22-74, Cl. 118-50.000.

Lau, John A.: *See—*
Abolafia, Oscar R.; Lau, John A.; Lee, Franklin F. M.; and Watson, Catherine R., 3,795,047.

Lau, John F., Jr.; and Swedberg, Gordon E., to T O. Plastics, Inc Flower pot. 3,800,469, 4-2-74, Cl. 47-34.000.

Lau Products, Ltd.: *See—*
Terrel, Gordon R.; Hause, Robert T.; Hancox, Alex J.; and McCulley, Fredrick J., 3,854,912.

Lau, Raymond Thomas, to Owens-Illinois, Inc. Method of strengthening glass articles using powdered salts for ion exchange 3,791,809, 2-12-74, Cl. 65-30.000.

Laub, Joseph L., and Griffiths, Derek Jenkins, to Unitek Corporation. Pulsed heat eutectic bonder. 3,790,738, 2-5-74, Cl. 219-85.000.

Laub, Leonard, to Zenith Radio Corporation. Apparatus and methods for scanning phase profilometry. 3,796,495, 3-12-74, Cl 356-109.000.

Laub, William G. Amplifier distortion circuit for electric guitars. 3,835,409, 9-10-74, Cl. 330-13.000.

Laubach, Winfried: *See—*

Meier, Gunter; Laubach, Winfried; and Horstmann, Josef, 3,834,322.

Laube, Dieter: *See—*
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Laube, Jochen: *See—*
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Lauben, Robert W., to General Electric Company. Non-metallic load center having housing. 3,852,514, 12-3-74, Cl. 174-58.000.

Lauber, Ernst Abraham; and Birrer, Josef, to Atlas Copco Aktiebolag. Steering system for a tunnel boring machine. 3,784,257, 1-8-74, Cl. 299-31.000.

Laubie, Michel: *See—*
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Regnier, Gilbert; Canevari, Roger; and Laubie, Michel, 3,808,210.
Regnier, Gilbert; Canevari, Roger; and Laubie, Michel, 3,830,811.

Laubli, Fritz, to Sulzer Brothers Ltd. Liquid separator for a steam-water mixture. 3,789,588, 2-5-74, Cl. 55-419.000.

Laubli, Fritz, to Sulzer Brothers Ltd. Forced through-flow steam generator having a superimposed forced circulation. 3,850,148, 11-26-74, Cl. 122-479.00s.

Laubner, Jurgen: *See—*
Dany, Franz-Josef; Wortmann, Joachim; Kandler, Joachim; and Laubner, Jurgen, 3,847,843.

Lauchenauer, Alfred E., to Raduner and Co., A.-G. Method of crosslinking cellulosic fibres. 3,807,952, 4-30-74, Cl. 8-186.000.

Lauchlan, Robert; and Shaw, Gray, to Uniroyal, Inc. Composition of polysulfones and polyurethanes. 3,792,114, 2-12-74, Cl. 260-858.000.

Lauchlan, Robert L.; and Snodgrass, Hugh E., to Uniroyal, Inc. Modified polyarylene polyether resin compositions. 3,794,693, 2-26-74, Cl. 260-823.000.

Lauchlan, Robert L.; and Snodgrass, Hugh E., to Uniroyal, Inc. Polycarbonate-vinylidene fluoride hexafluoropropylene copolymer blend. 3,821,326, 6-28-74, Cl. 260-873.000.

Lauchlan, Robert L.; and Snodgrass, Hugh E., to Uniroyal, Inc. Non cross-linked polyacrylate as impact modifier. 3,846,510, 11-5-74, Cl. 260-876.00r.

Lauchner, John K.: *See—*
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Lauck, Robert B.; Meyer, Lawrence L.; and Cargo, Charles H., to Eaton Corporation. Hydrostatic transmission control system. 3,812,925, 5-28-74, Cl. 180-6.480.

Lauckhardt, Gerhard: *See—*
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Lauckner, Manfred: *See—*
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Laucks, Howard H.: *See—*
Hague, Robert Z.; Hantman, Edwin F.; Laucks, Howard H.; Loos, George J.; Marsciano, Matthew F.; and Mastropole, Alfred J., 3,844,028.

Laudato, Gaetano J., Jr. Water cooler. 3,824,801, 7-23-74, Cl. 62-201.000.

Laudenslager, Harry B., Jr.: *See—*
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Lauder, Robert B.: *See—*
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Lauderdale, Kenneth L., 1/2 to Tripp, Donald E. Curvilinear surface planer. 3,803,982, 4-16-74, Cl. 90-31.000.

Laudise, Michael A., to General Mills Chemicals, Inc. Acrylic adducts of amino-amides of monomeric fatty compounds. 3,816,366, 6-11-74, Cl. 260-23.0ep.

Laudise, Robert A.: *See—*
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Laudon, Monique: *See—*
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Laue, Wolfgang; Schreiber, Eckehard; and Heyenga, Friedrich, to Gewerkschaft Victor Chemische Werke. Firma. Process for preparing concentrated fluorosilicic acid. 3,848,061, 11-12-74, Cl. 423-341.000.

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Lauen, Marguerite M.; and Lauen, James E. Anti-roll slide and thread lock for spools. 3,836,059, 9-17-74, Cl. 225-64.000.

Lauer, Karl; Bodka, Heinz-Gunter; and Stoeck, Georg, to Boehringer Mannheim G.m.b.H. Process for the chromatographic separation of multi-component mixtures containing glucose. 3,785,864, 1-15-74, Cl. 127-46.00a.

Lauer, Kurt: *See—*
Wittner, Hubert; and Lauer, Kurt, 3,787,311.

Lauer, Richard E.; and Pieper, Louis W., to General Electric Company. Apparatus and method for forming insulators and apparatus and method for inserting coil turn portions or insulators into the slots of a magnetic core. 3,829,953, 8-20-74, Cl. 29-205.00e.

Lauer, Robert J.: *See—*
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Lauerbach-Lehmeier, Robert: *See—*
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Laufe, Leonard E.: *See—*
Lower, Brenton R.; Hughes, Kenneth E.; and Laufe, Leonard E., 3,785,381.

Laufe, Leonard E.; and Jackman, Victor, to Laufe, Leonard E., mesne. Obstetrical forceps. 3,789,849, 2-5-74, Cl. 128-323.000.

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Laufer, Berek. Key retainer. 3,815,392, 6-11-74, Cl. 70-456.00b.

Laufer, Robert J., to Continental Oil Company. Reductive chlorination of certain alkylphenols. 3,839,469, 10-1-74, Cl. 260-623.00h.

Lauffer, Adelbert; and Fumder, Helmut, to Gustav Wagner Maschinefabrik. Circular metal cold saw. 3,805,656, 4-23-74, Cl. 83-508.200.

Lauffer, Hermann, to Zellweger AG. Apparatus for transforming a deteriorated input signal into a binary signal. 3,838,347, 9-24-74, Cl. 328-164.000.

Laufhutte, Dieter: *See—*
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Laugherty, James R.: *See—*
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Laugherty, Lorenc; and Laugherty, James R., 3,854,482.

Laugherty, Lorenc; and Laugherty, James R., to Laugherty Incorporated. Identification band. 3,800,450, 4-2-74, Cl. 40-21.00c.

Laugherty, Lorenc; and Laugherty, James R., to Avis Research, Inc. Umbilical cord clamp. 3,854,482, 12-17-74, Cl. 128-346.000.

Laughlin, Clayton Austin, to Standard Packaging Corporation. Vertical index device. 3,816,949, 6-18-74, Cl. 40-140.010.

Laughlin, Gordon J., to United States of America, Navy. Wide band series-connected equal amplitude power divider. 3,827,001, 7-30-74, Cl. 333-9.000.

Laughlin, John R.; and Mucha, George M., to Park-Ohio Industries, Inc. Apparatus and method of inductively heating spaced surfaces on an elongated workpieces. 3,784,780, 1-8-74, Cl. 219-10.430.

Laughlin, Robert G.: *See—*
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Laughman, George J.: *See—*
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Laughrey, Richard A.: *See—*
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Gracia, Robert F.; Laughrey, Richard A.; and Tuohey, Paul F., 3,809,562.
Gracia, Robert F.; Laughrey, Richard A.; and Tuohey, Paul F., 3,825,424.
Gracia, Robert F.; Laughrey, Richard A.; and Tuohey, Paul F., 3,830,649.
Gracia, Robert F.; Laughrey, Richard A.; and Tuohey, Paul F., 3,835,780.
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Laughton, Malcolm, to Lady Jayne (Hair Products) Limited. Hair clasp or barrette. 3,805,813, 4-23-74, Cl. 132-48.00r.

Laumann, Volker: *See—*
Kessler, Gustav; Frank, Erich; and Laumann, Volker, 3,849,232.

Laumond, Daniel Jean, to Societe Anonyme Poclain. Circuit for feeding pressurised fluid by two main sources and an auxiliary source. 3,838,573, 10-1-74, Cl. 60-486.000.

Launay, Pierre, to Compagnie de Material et d'Equipements Techniques C.O.M.E.T. Systems constituted by cage-nuts and their cages. 3,785,421, 1-15-74, Cl. 151-41.750.

Laundrie, James F., to United States of America, Agriculture. Separation of thermoplastic film and wastepaper. 3,814,240, 6-4-74, Cl. 209-11.000.

Laundry, Terrence H.; Luther, Richard L.; and Murray, John S., Jr., to Hughes Aircraft Company. System for discriminating between high and low speed targets. 3,787,848, 1-22-74, Cl. 343-7.700.

Launius, Clifford G. Control circuit utilizing temperature actuated switches and silicon controlled rectifiers for reversing the polarity of direct current applied to a load. 3,858,106, 12-31-74, Cl. 321-45.00r.

Laupheimer, Robert: *See—*
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Laupman, Robert Ronald, to Novanex Automation N.V. Current control device. 3,840,800, 10-8-74, Cl. 323-19.000.

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Laurel Color, Inc.: *See—*
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Laurell, Remo J. Crib reciprocating device. 3,802,003, 4-9-74, Cl. 5-108.000.

Laurence, Kenneth A. Method for the chemical sterilization of male animals. 3,836,640, 9-17-74, Cl. 424-108.000.

Laurence, Robert S.: *See—*
Damon, Neil F.; Laurence, Robert S.; and Hoy, Ralph C., 3,825,876.

Laurenceau, Bernard, to Thomson-CSF. Stacked beam radar. 3,828,349, 8-6-74, Cl. 343-12.0sb.

Laurencier, Andre: *See—*
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Laurens, Stephen. Disposable cutaneous transjector. 3,788,315, 1-29-74, Cl. 128-173.00h.

Laurent, Adolphe R., to Lador S.A. Music box. 3,850,070, 11-26-74, Cl. 84-95.000.

Laurent, Bernard; and Haslay, Claude, to Compagnie de Saint-Gobain. Silicate glass fiber compositions. 3,853,569, 12-10-74, Cl. 106-50.000.

Laurent, Daniel, to Merlin Gerin, Societe Anonyme. Balanced support mechanism for a linearly movably current collecting head. 3,786,204, 1-15-74, Cl. 191-48.000.

Laurent, Daniel, to Societe Dauphinoise Electrique. Articulated parallelogram support mechanism for connecting a current collecting head to a high speed vehicle. 3,819,881, 6-25-74, Cl. 191-66.000.

Laurent, Daniel, to Societe Dauphinoise Electrique. Polyphase collector head assembly having inner partition walls. 3,821,497, 6-28-74, Cl. 191-57.000.

Laurent, Daniel, to Merlin Gerin, Societe Anonyme. Composite conductor for sliding current collectors. 3,830,989, 8-20-74, Cl. 191-29.0dm.

Laurent, Daniel; and Izord, Jean. Bridge connector for phase conductor of current collecting system. 3,847,255, 11-12-74, Cl. 191-38.000.

Laurent, Daniel; and Ligones, Hubert, to Societe Dauphinoise Electrique. Ball-joint support device for a rail conductor of a current-collecting system. 3,848,713, 11-19-74, Cl. 191-32.000.

Laurent, Henry: *See—*
Hofmeister, Helmut; Laurent, Henry; Prezewowsky, Klaus; and Wiechert, Rudolf, 3,813,418.
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Hofmeister, Helmut; Laurent, Henry; Prezewowsky, Klaus; and Wiechert, Rudolf, 3,842,105.

Laurent, Henry; Wiechert, Rudolf; Prezewowsky, Klaus; Hofmeister, Helmut; Gerhards, Erich; Kolb, Karl Heinz; and Mengel, Klaus, to Schering Aktiengesellschaft. Novel pregnanoic acid derivatives. 3,824,260, 7-16-74, Cl. 260-397.100.

Laurent, Henry; Wiechert, Rudolf; Prezewowsky, Klaus; Hofmeister, Helmut; Gerhards, Erich; Mengel, Klaus; and Kolb, Karl Heinz, to Schering Aktiengesellschaft. Novel pregnanoic acid derivatives. 3,833,563, 9-3-74, Cl. 260-239.550.

Laurent, Jean: *See—*
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Laurent, Jean; and Duconge, Claude, to Institut Francais du Petrole des Carburants et Lubrifiants. Device for a quick connection of traction elements. 3,827,814, 8-6-74, Cl. 403-301.000.

Laurent, Michel A.; Lemoine, Jean M.; and Godderis, Georges L., to International Harvester Company. Control device for the combined operation of an unloader tube and auger clutch of a combine harvester. 3,834,564, 9-10-74, Cl. 214-83.260.

Laurent, Pierre; Clement, Jean-Francois; and Quiquerez, Joseph, to Compagnie Francaise de Raffinage. Hydrocarbon concrete mixture. 3,802,898, 4-9-74, Cl. 106-280.000.

Laurent, Roger, to Poma 2.000 S.A. Device for hauling vehicles with retractable wheels holding down the traction cable. 3,797,407, 3-19-74, Cl. 104-182.000.

Laurent, Roger, to Poma 2.000 S.A., mesne. Transport installation with independent vehicles. 3,812,788, 5-28-74, Cl. 104-130.000.

Laurent, Roger, to Poma 2.000 S.A., mesne. Haulage grip for releasably gripping a traction cable. 3,827,372, 8-6-74, Cl. 104-209.000.

Laurenti, Alfred. Unitary, double ended chuck or coupling. 3,782,741, 1-1-74, Cl. 279-62.000.

Laurenti, Italo Marco Levi. Method of producing new scissors. 3,827,316, 8-6-74, Cl. 76-104.00a.

Laurenti, Italo Marco Levi. Multi-thickness plastic handled scissors. 3,840,990, 10-15-74, Cl. 30-341.000.

Laurenz, Frank R. Animal facility. 3,827,402, 8-6-74, Cl. 119-15.000.

Laurer, Erwin; and Schabert, Hans-Peter, to Siemens Aktiengesellschaft. Gas-cooled nuclear reactor. 3,850,794, 11-26-74, Cl. 176-30.000.

Laurer, Gerard R., to United States of America, Atomic Energy Commission. Source holder collimator for encapsulating radioactive material and collimating the emanations from the material. 3,787,691, 1-22-74, Cl. 250-272.000.

Lauri, Giles, to Societe Anonyme dite: Socite-Franco-Hispano-Americaine (Francispam). Gas fuelled lighter. 3,796,537, 3-12-74, Cl. 431-131.000.

Lauria, Francesco; Vecchietti, Vittorio; Tommasini, Raffaele; and Ceserani, Roberto, to Erba, Carlo, S.p.A. Imidazoline derivatives of benzonorbornane and tetrahydronaphthalemc compounds. 3,793,338, 2-19-74, Cl. 260-309.600.

Lauridsen, Walter E.: *See—*
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Laurie, C. Keith: *See—*
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Lauriente, Michael; and Pemsel, Ernst R., Jr., to Westinghouse Electric Corporation. Thermal coated booms for spacecraft. 3,791,853, 2-12-74, Cl. 117-97.000.

Laurion, Francis R. Spoke wheel and wheel ornament. 3,847,443, 11-12-74, Cl. 301-37.00r.

Lauritsen, William Eger Nyboe. Shedding motion of healds for Jacquard weaving machines. 3,810,492, 5-14-74, Cl. 139-59.000.

Laurizio, Jeremiah J., to American Flange & Manufacturing Co. Inc. Closure combination and method. 3,828,418, 8-13-74, Cl. 29-451.000.

Lauro, Gene F.: *See—*
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Laursen, Gorm. Starting device for a single-phase asynchronous motor. 3,846,683, 11-5-74, Cl. 318-221.00h.

Laus, Theodor: *See—*
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Lausen, Verne H.: *See—*
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Lauss, Hans-Dietrich: *See—*
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Laussermair, Friedrich, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Process for the manufacture of a rotor or shaft of low deformability. 3,844,730, 10-29-74, Cl. 29-446.000.

Lauster, Frederick L., to La Fant Research Company. Denture cleaner. 3,785,986, 1-15-74, Cl. 252-136.000.

Laute, Wilmar. Christmas tree stand or the like. 3,801,053, 4-2-74, Cl. 248-44.000.

Lauterbach, Heinrich, to Trola-Kunststoffer-Zeugnisse GmbH & Co. Furniture fitting, specifically for detachabie suspension of a sliding door from a guide rail. 3,808,633, 5-7-74, Cl. 16-87.00r.

Lauterbach, Herbert G.: *See—*
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Lauterbach, William E.: *See—*
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Lauterbach, William E., to Dale Refrigeration Company. Hot gas bypass system for a refrigeration system utilizing a plurality of eutectic plates. 3,788,093, 1-29-74, Cl. 62-200.000.

Lauterwasser, Armin: *See—*
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Lauton, Alain: *See—*
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Lautrup-Larsen, Knud. Set including five distinct elements based on a hollow cube. 3,822,569, 7-9-74, Cl. 46-24.000.

Lautzenhiser, Argyle Glenn, to Little, Arthur D., Inc. Coin selector and sorter. 3,844,297, 10-29-74, Cl. 133-1.00a.

Laux, Edward G.: *See—*
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Laux, Raymond Wilhelm; and Sauer, Reinhold. Self-lubricating anti friction bearings. 3,790,239, 2-5-74, Cl. 308-206.000.

Laux, Raymund W.: *See—*
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Lauzon, Armand E. Bifurcated magnetic sphere with resilient tether. 3,830,498, 8-20-74, Cl. 273-95.00a.

Lavachy, Ardre G.; and Caldwell, John W., to Pennwalt Corporation. Centrifuge apparatus. 3,799,431, 3-26-74, Cl. 233-3.000.

Lavaggi, Robert. Apparatus for removing feces of animals and method of manufacture of said apparatus. 3,799,598, 3-26-74, Cl. 294-19.00r.

Laval, Claude, to Lebocey Industrie. Shuttle positioning device. 3,837,367, 9-24-74, Cl. 139-155.000.

Laval, Claude C., Jr. Rack for supporting cables and the like. 3,787,016, 1-22-74, Cl. 248-49.000.

Laval, Willy: *See—*
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Lavallee, Robert G.: *See—*
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Lavallee, Victeur. Swimming accessory. 3,789,447, 2-5-74, Cl. 9-303.000.
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Lavan, Philip J.: *See—*
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Lavemour, Octavio D. Indoor loadable outdoor clothes dryer. 3,797,670, 3-19-74, Cl. 211-94.000.
Laven, Thomas R., to Western States Machine Company, The. Motor controlled valve for continuously feeding viscous liquids. 3,845,788, 11-5-74, Cl. 137-604.000.
Lavender, Ardis R., to Lavender, Ardis R., mesne. Release liner for pressure sensitive adhesive. 3,850,784, 11-26-74, Cl. 161-88.000.
Lavender, Ardis R., mesne: *See—*
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Lavender, John F., to Lilly, Eli, and Company. Canine distemper virus vaccine. 3,836,626, 9-17-74, Cl. 424-89.000.
Lavergne, Edgar A.; and Mahne, Frank S., to Diamond Shamrock Corporation. Fluid bed chlorination of phthalonitriles. 3,839,401, 10-1-74, Cl. 260-465.00g.
Lavergne, Justin: *See—*
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Lavering, Gordon R.; and Needle, Jules S., to Varian Associates. Electrical insulator assembly. 3,823,772, 7-16-74, Cl. 165-81.000.
Laverlochere, Jean: *See—*
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Laverman, Royce Jay, to Chicago Bridge & Iron Company. Cryogenic storage tank facility with dike wall cooled by leaking liquefied gas. 3,791,164, 2-12-74, Cl. 62-50.000.
Laverman, Royce Jay, to Chicago Bridge & Iron Company. Method for storing a subcooled liquid. 3,812,683, 5-28-74, Cl. 62-45.000.
Lavery, Adelbert L.: *See—*
Klaubert, Earl C.; Lavery, Adelbert L.; and Broderick, Anthony J., 3,852,996.
Lavery, Adelbert L., to United States of America, Transportation. Resonance tire inspection method and apparatus. 3,815,407, 6-11-74, Cl. 73-67.200.
Lavery, Lewis F.: *See—*
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Lancini, Giancarlo; Lazzari, Ettore; and Diena, Alberto, 3,823,186.
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Lazzarini, Louis P., 1/2 to Hanscom, Genevieve I., (formerly Magnuson, Genevieve I.), 1/2 to Hanscom, Genevieve I., Magnuson, Robert and Thompson, Lois J.; formerly Duggan, Lois J., trustees of the estate of Magnuson, Roy M. Peeling machine and method. 3,81,000, 5-14-74, Cl. 426-483.000.
Lazzarini, Louis P., 1/2 to Hanscom, Genevieve I. and 1/2 to Hanscom, Genevieve I., Magnuson, Robert, and Thompson, Louis J., as Trustees of the Estate of Magnuson, Roy M., deceased. Rotary slicer for fruits and vegetables. 3,848,498, 11-19-74, Cl. 83-401.00.
Lazzarini, Louis P., 1/2 each to Hanscom, Genevieve I., Hanscom, Genevieve I., Magnuson, Robert, Magnuson, Roy M. and Thomson, Lois J.; trustees of the estate of. Dry peeling apparatus. 3,851,572, 12-3-74, Cl. 99-451.000.
Lazzarini, Louis P.; and Smith, Traner J., to Hanscom, Genevieve I.; formerly Magnuson, Genevieve I., Hanscom, Genevieve I., Magnuson, Robert and Thomson, Lois J.; formerly Duggan, Lois J.; as trustees of the estate of Magnuson, Roy M.; deceased. Roller claning mechanism. 3,851,753, 12-3-74, Cl. 198-229.000.
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Le Beau, Donald J., to Smith, A. O., Corporation. Composite package. 3,835,986, 9-17-74, Cl. 206-320.000.
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Le Blanc, Jack J., to Carrier Corporation. Capacity control device for reciprocating compressor. 3,844,686, 10-29-74, Cl. 417-298.000.
Le Blanc, John R., to Monsanto Company. Beneficiating agents. 3,816,308, 6-11-74, Cl. 252-8.50a.
Le Bouchage Mecanique (L.B.M.): *See—*
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Le Brasse, Gordon J.; and Stolarski, Bonifacc, to Federal-Mogul Corporation. Pre-alloyed nickel-free silicon-free minimal oxide low alloy iron powder. 3,798,022, 3-19-74, Cl. 75-.5ba.
Le Breton, Leslie Arthur. Pipe bending devices. 3,822,578, 7-9-74, Cl. 72-389.000.
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Le Chatelier, Jacques, to Societe Alsacienne de Constructions Mecaniques de Mulhouse. Apparatus for pinning non-continuous fibers in a rotary bowl. 3,798,887, 3-26-74, Cl. 57-58.890.
Le Clair, Joseph A. R. Orthodontic appliance. 3,855,701, 12-24-74, Cl. 32-14.00a.
Le Cloarec, Alberty Y.: *See—*
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Le Corviger, Philippe; and Montastier, Michel, to Societe Nationale Industrielle Aerospatiale. Missile flight control system. 3,807,660, 4-30-74, Cl. 244-3.220.
Le Count, David James: *See—*
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Le Craw, Roy Conway; Levinstein, Hyman Joseph; and Wolfe, Raymond, to Bell Telephone Laboratories, Incorporated. Method for controlling magnetization in garnet material and devices so produced. 3,845,477, 10-29-74, Cl. 340-174.0tf.
Le Cren, Roger. Dynamic weighing apparatus. 3,857,488, 12-31-74, Cl. 209-73.000.
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Le Fevre, Paul Eshelman, to GTE Sylvania Incorporated Varactor tuner band switching and signal indicating circuitry. 3,787,788, 1-22-74, Cl. 334-14.000.
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Le Fort, Gilbert J.: *See—*
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Le Four Industriel: *See—*
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Le Gales, Maurice, to Thomson-CSF. Case for a plurality of semiconductor devices. 3,826,953, 7-30-74, Cl. 317-100.000.
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Le Jeune, Gwenole Jean-Claude, to Societe d'Etudes Fabrications, Installations et Manutention en Abrege EFIM S.A. Mobile appliance for the treatment of domestic garbage. 3,785,280, 1-15-74, Cl. 100-100.000.
Le Joint Francais: *See—*

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Le Lapp, Mary Eddy. Manicure table. 3,784,270, 1-8-74, Cl. 312-236.000.
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Le Marchand, Alain, to Societe Anonyme D.B.A. Tandem master cylinder. 3,800,539, 4-2-74, Cl. 60-562.000.
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Le Marchand, Claude, to Societe Anonyme D.B.A. Spring brake with manual release mechanism. 3,782,251, 1-1-74, Cl. 92-63.000.
Le Martret, Odile: *See—*
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Clemence, Francois; and Le Martret, Odile, 3,817,999.
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Le Men, Jean George; and Levy, Jean. Methof of preparing new indolic derivatives usable for synthesising dextro-rotary vincamine. 3,799,933, 3-26-74, Cl. 260-293.530.
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Le Penske, Frederick J., III: *See—*
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Le Peuvedic, Jean-Pierre; and Tinchon, Jacques, to Societe Anonyme dite: Societe Nationale des Petroles d'Aquitaine Tour Aquitaine. Sensing device to measure the speed of rotation of drilling turbines. 3,822,589, 7-9-74, Cl. 73-151.000.
Le Poole, Jan Bart. Permanent magnet lens systems. 3,812,365, 5-21-74, Cl. 250-396.000.
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Le Salver, Robert, to Automobiles Peugeot and Regie Nationale des Usines Renault. Vehicle provided with an energy absorbing device. 3,805,911, 4-23-74, Cl. 180-91.000.
Le Suer, William M., to Lubrizol Corporation, The. Calcium-containing dispersions and process. 3,783,131, 1-1-74, Cl. 252-34.700.
Le Suer, William Monroe, to Lubrizol Corporation, The. Combustion process and fuel compositions. 3,798,012, 3-19-74, Cl. 44-51.000.
Le Suer, William Monroe, to Lubrizol Corporation, The. Boron- and calcium-containing compositions and process. 3,829,381, 8-13-74, Cl. 252-33.400.
Le Testu, Claude. Hydropneumatic chuck actuating device. 3,835,649, 9-17-74, Cl. 60-560.000.
Le Therisien, Louis G., to Subsea Equipment Associates Limited. Apparatus for installing and maintaining subaquatic petrol tanks. 3,855,806, 12-24-74, Cl. 61-69.000.
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Le Tourneau, Richard L., to IHC Holland-Le Tourneau Marine Corporation. Jack-up drilling platform. 3,830,071, 8-20-74, Cl. 61-46.500.
Le Tourneau, Richard L.; and Hall, Chester G., to IHC Holland-Le Tourneau Marine Corporation. Sectionalized leg for drilling platform and method of assembling same. 3,851,482, 12-3-74, Cl. 61-46.500.
Le Trung, Truc: *See—*
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Le Veen, Harry H. Wound splints. 3,789,851, 2-5-74, Cl. 128-335.000.
Le Velle, James A.: *See—*
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Lea, James F., Jr., to Sun Oil Company (Delaware). Apparatus for melting ice. 3,837,311, 9-24-74, Cl. 114-.50d.
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Nobel, Fred I.; and Yoen, Lazaro C., 3,833,486.
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LeaBailly, Jacques; and Dubois, Jean-Claude, to U.S. Philips Corporation. Electroluminescent semiconductor device. 3,852,797, 12-3-74, Cl. 357-19.000.
Leabailly, Jacques; and Dubois, Jean-Claude, to U.S. Philips Corporation. Electroluminescent device. 3,852,798, 12-3-74, Cl. 357-19.000.
Leach, Bruce E.: *See—*
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Leach, Bruce E., to Continental Oil Company. Method for converting high-density low-porosity alumina into low-density high porosity alumina. 3,846,540, 11-5-74, Cl. 423-628.000.
Leach, Bruce E.; and Motz, Kaye L., to Continental Oil Company. Purification of Ziegler alcohols. 3,855,320, 12-17-74, Cl. 260-643.00f.
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Leach, Jack; Zoufaly, Jerome; and Fash, William G., to Burlington Industries, Inc. Bomb suppression device. 3,814,016, 6-4-74, Cl. 102-22.000.
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Leach, John M. Case palletizer. 3,809,254, 5-7-74, Cl. 214-6.00p.
Leach, John Michael, to Pfizer Inc. Purification of Australia antigen by vitracentrifugation. 3,838,144, 9-24-74, Cl. 260-112.00r.
Leach, Michael Ernest Humphrey, to Borg-Warner Limited. Transmission control mechanism. 3,830,258, 8-20-74, Cl. 137-625.480.
Leach, Raymond B., to Hill City Mfg., Inc. Wheel hub with floating brake band and floating axle. 3,800,919, 4-2-74, Cl. 188-26.000.
Leach, Robert D., to General Electric Company. Nonreversible motor. 3,826,934, 7-30-74, Cl. 310-41.000.
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Leader, Harold. Method of inserting liners in bags. 3,803,991, 4-16-74, Cl. 93-35.00r.
Leader, Harold P. Grass catcher. 3,822,536, 7-9-74, Cl. 56-202.000.
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Leahey, Martin Joseph; and Hartley, John James, to Berger, Jenson & Nicholson, Limited. Zn-rich coatings. 3,796,582, 3-12-74, Cl. 106-1.000.
Leahy, Dorothy. Fitted kit construction. 3,831,651, 8-27-74, Cl. 150-35.000.
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Lear, William P., to Lear Motors Corporation. Combustor for power vapor generators. 3,812,826, 5-28-74, Cl. 122-250.00r.
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Lear, William P., to Lear Motors Corporation. Vapor generators with low pollutant emission. 3,846,065, 11-5-74, Cl. 431-347.000.
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Leary, Edward F.; and Krillic, Hobart M., to Nalco Chemical Company. Method for improving the adherence of metalworking coolants to metal surfaces. 3,833,502, 9-3-74, Cl. 252-49.500.
Leary, John S., Jr., to Shell Oil Company. Methods of controlling mycotoxin production using certain dialkyl enol phosphates. 3,798,323, 3-19-74, Cl. 424-212.000.
Leary, Joseph A.: *See—*
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Leas Brothers Development Corporation: *See—*
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Leasure, William C.; and Garcia, Luis, to Mira-Pak Inc. Method and apparatus for forming shaped package. 3,785,112, 1-15-74, Cl. 53-28.000.
Leathem, Douglas B.: *See—*
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Leather, Russell Allan: *See—*
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Leatherman, Alfred F.: *See—*
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Leatherman, Alfred F., to Heller, William C., Jr. Heatable stratified material and manufacturing method therefor. 3,802,985, 4-9-74, Cl. 156-244.000.
Leatherman, Alfred F., to Heller, William C., Jr. Magnetic through-field apparatus and process for printing by imbedding particles in a record medium. 3,810,190, 5-7-74, Cl. 346-74.0mp.
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Leavens, Dwight E.: *See—*
Wengrow, Henry R.; Stoufer, Wilmer B.; Morris, Charles W.; Leavens, Dwight E.; and Watkins, Gerald S., 3,804,819
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Leaver, John Philip: *See—*
Williams, Selwyn Donald; Leaver, John Philip; and Abbott, David, 3,847,830.
Leavitt, Julian Jacob, to American Cyanamid Company. Process for the preparation of tetrakis (hydroxymethyl) phosphonium oxalate. 3,835,194, 9-10-74, Cl. 260-606.50f.
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Lebahn, Arthur C., to Vollrath Co., The. Freezer air vent. 3,813,896, 6-4-74, Cl. 62-409.000.
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Lebailly, Jacques, to U.S. Philips Corporation. Semiconductor device having a multi-thickness region. 3,803,460, 4-9-74, Cl. 317-235.00r.

Lebeault, Jean-Michel Marie Joseph: *See*—
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Lebedev, Vladimir Konstatinovich: *See*—
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LeBegue, Maurice K., to National Mine Service Company. Continuous mining machine with drive to angled end sections. 3,848,930, 11-19-74, Cl. 299-76.000.

Lebel, Constantin; and Pruvost, Pierre, to Rhone-Poulenc S.A. Dentures having a diolkylpolyoiloxane coating. 3,787,231, 1-22-74, Cl. 117-138.80a.

Lebel, Constantin Erwin; and Karmitz, Pierre Ilie Isidore. Containers for aerosols, gases and the like. 3,805,995, 4-23-74, Cl. 220-70.000.

Lebel, Pierre: *See*—
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Lebel, Pierre, to France-Couleur. Method of manufacture for cathode-ray tubes for color television receivers. 3,837,829, 9-24-74, Cl. 65-59.000.

Leben Utility Co., Ltd.: *See*—
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Furuya, Akio; and Ishimaru, Yukihiko, 3,856,885.
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Lebensfeld, Steven. Bubble film holding wand. 3,818,627, 6-25-74, Cl. 46-7.000.

Lebert, Herbert A. Smoking article for accelerating or renewing burning action of tobacco. 3,805,807, 4-23-74, Cl. 131-229.000.

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Krabetz, Richard; Willersinn, Carl-Heinz; Engelbach, Heinz; Wistuba, Hermann; Lebert, Ulrich; and Frey, Walter, 3,801,634.

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Lebkuecher, Rolf; Koenig, Horst; Amann, August; Giertz, Hubert; and Schuster, Joerg, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 6-Acylaminophenyl-4,5-dihydropyridazones. 3,806,509, 4-23-74, Cl. 260-250.00a.

Lebkuecher, Rolf; Koenig, Horst; Amann, August; Giertz, Hubert; and Schuster, Joerg, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dihydropyridazone compound substituted by paraimidazolidonylphenyl. 3,845,050, 10-29-74, Cl. 260-250.00a.

Leblanc, Conrad L., to Foster Grant Co., Inc. Eye protection frame assembly. 3,790,259, 2-5-74, Cl. 351-113.000.

Leblanc, G., Corporation: *See*—
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Leblanc, Henry P., Jr. Strainer device for liquids. 3,823,831, 7-16-74, Cl. 210-408.000.

LeBlanc, John R.: *See*—
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Huck, Rodney M.; and Leblanc, John R., 3,855,173.

LeBlanc, John R., to Monsanto Company. Process for improving the yield of clay and drilling muds prepared therefrom. 3,838,047, 9-24-74, Cl. 252-8.50a.

LeBlanc, Joseph A., Jr., to Componetrol, Inc., mesne. Rotary vane pump. 3,782,868, 1-1-74, Cl. 418-83.000.

LeBlanc, Louis H. Cam pawl Actuator. 3,828,617, 8-13-74, Cl. 74-127.000.

LeBlanc, Robert Bruce, to Cotton, Incorporated. Production of textile materials with improved flame retardance. 3,827,907, 8-6-74, Cl. 117-62.100.

Leblanc, Vincent G.: *See*—
Montague, Bernard R.; Leyburn, Derek; Barker, John; Hannley, Ray John; Leblanc, Vincent G.; and Tam, Leslie K., 3,790,719.

Leblois, Charles Julien Martin. Franpac. 3,817,198, 6-18-74, Cl. Method of assembling a metal .

Leblond, Jean, to Uniroyal Englebert France S.A. Tire building machine. 3,790,425, 2-5-74, Cl. 156-416.000.

Leblond, Jean; and Biet, Jean, to Uniroyal Englebert France S.A. Transfer apparatus. 3,800,605, 4-2-74, Cl. 74-89.000.

Leblond, Jean; Danneels, Guy; and Lambert, Maurice, to Uniroyal. Apparatus for servicing a tire building machine. 3,841,941, 10-15-74, Cl. 156-406.000.

Leblond, Jean R., to Uniroyal S.A. Press for tire shaping and vulcanizing. 3,817,670, 6-18-74, Cl. 425-46.000.

Leblond, Jean Rene; Danneels, Guy Emile; and Lambert, Maurice Avrelien, to Uniroyal S.A. Tire bead holding apparatus and method. 3,839,115, 10-1-74, Cl. 156-131.000.

Leblond, Jean Rene; Danneels, Guy Emile; and Lambert, Maurice Avrelien, to Uniroyal S.A. Apparatus for and method of tire stitching. 3,850,719, 11-26-74, Cl. 156-128.000.

Leblond, Jean Rene; and Biet, Jean Armand, to Uniroyal. Apparatus for applying a rubber strip onto a pneumatic tire carcass. 3,852,142, 12-3-74, Cl. 156-395.000.

Lebocey Industrie: *See*—
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Lebold, Steve. Easily removable orthopedic shoe platform. 3,834,377, 9-10-74, Cl. 128-80.00g.

Lebold, Steven. Orthopedic device. 3,818,905, 6-25-74, Cl. 128-77.000.

Leboutet, Hubert: *See*—
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Lebra, Jacques, to U.S. Philips Corporation. Device for centering an X-ray film cassette. 3,792,283, 2-12-74, Cl. 250-468.000.

LeBras, Louis R.; and Zwack, Robert R., to PPG Industries, Inc. Combined electrodialysis and ultrafiltration of an electrodeposition bath. 3,784,460, 1-8-74, Cl. 204-301.000.

LeBreton, Edward T.: *See*—
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Lebreton, Francisque, to Institut Francais du Petrole des Carburants et Lubrifiants. Acoustic sounding instrument. 3,786,894, 1-22-74, Cl. 181-.5be.

Lebreton, Francisque; Sarda, Jean-Paul; and Morlier, Pierre, to Institut Francais du Petrole, des Carburants et Lubrifiants. Device for emitting and receiving signals in a bare hole, eliminating the influence on the intensity of the signals being received f the shape of the hole and of a centering defect of the device in the latter. 3,791,479, 2-12-74, Cl. 181-.5be.

Lebrun, Robert. Magnetic hockey game. 3,801,100, 4-2-74, Cl. 273-85.00f.

Lebuerz, Manfred. Apparatus for producing a concrete form block. 3,802,659, 4-9-74, Cl. 249-52.000.

Lecailtel, Pierre; and Dressler, Bruno, to Regie Nationale des Usines Renault and Automobiles Peugeot. Clamping of parts by adherence on axial thrust support. 3,795,405, 3-5-74, Cl. 279-1.001.

Lecailtel, Pierre; and Dresser, Bruno, to Regie Nationale des Usines Renault and Automobiles Peugeot. Milling heads. 3,828,649, 8-13-74, Cl. 90-15.000.

LeCain, Paul R.: *See*—
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Leccese, Vincent L., to Standard Container Company. Stackable liquid container with pour spout. 3,831,817, 8-27-74, Cl. 222-143.000.

Lech, Jerome F.: *See*—
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Lech, Richard J.: *See*—
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Lech, Richard J.; and Bettin, Leonard A., to International Harvester Company. Valve follow-up mechanism. 3,805,529, 4-23-74, Cl. 60-534.000.

Lechaton, John S.; Richard, Leo P.; and Smith, Daryl L., to International Business Machines Corporation. Partial planarization of electrically insulative films by resputtering. 3,804,738, 4-16-74, Cl. 204-192.000.

Lechene, Bernard Louis, to Glory Impression Cartonnage. Arrangement of panels for constituting display units and similar. 3,854,259, 12-17-74, Cl. 52-293.000.

Lechler Apparatebau KG: *See*—
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Lechner, Alfred: *See*—
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Lechner, Ernst-Friedrich, to Siemens Aktiengesellschaft. Device for testing multiple electric circuit selector switches. 3,811,086, 5-14-74, Cl. 324-28.00r.

Lechner, Fritz: *See*—
Kraus, Werner; Lechner, Fritz; and Viehbach, Hans-Dieter, 3,820,534.

Lechner, Gunther, to Reichert, C., Optische Werke AG. Cover for microtome and ultramicrotome freezing chamber. 3,828,571, 8-13-74, Cl. 62-320.000.

Lechner, Karl. Device for the soft and elastic bearing support of shafts rotating at high speeds. 3,844,630, 10-29-74, Cl. 308-184.000.

Lechner, Thomas G.: *See*—
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Lechner, Thomas J., Jr., to Johnson Service Company. Fluidic load regulator. 3,853,617, 12-10-74, Cl. 137-824.000.

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Lecinski, Frank H., Jr., to Continental Can Company, Inc. Safety closure, fitment and finish. 3,836,034, 9-17-74, Cl. 215-9.000.

Lecinski, Frank H., Jr., to Continental Can Company, Inc. Safety closure fitment and finish. 3,857,507, 12-31-74, Cl. 215-218.000.

Leclair, Albert W., to Nasua Corporation. Copy sheet containing silver soap and an organic peroxygen oxidizing compound. 3,798,039, 3-19-74, Cl. 96-114.100.

Leclaire, Claier D.; and Baker, John C., to Polysar International, S.A., mesne. Sulfur-vulcanizable elastomer mixtures and oxidation-resistant vulcanizates thereof. 3,795,655, 3-5-74, Cl. 260-45.80n.

Leclercq, Alain: *See*—
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Leclercq, Ignace, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Crossroads controller. 3,815,085, 6-4-74, Cl. 340-41.00r.

Leclercq, Marius; Morin, Daniel Louis; Damien, Michael Henri; and Andreani, Monique Andree, to Societe Nationale des Poudres et Explosifs. Boron filaments with a boron carbide antidiffusion coating, and metal matrix made therefrom. 3,846,224, 11-5-74, Cl. 61-170.000.

Leclercq, Michel: *See*—
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Leclercq, Robert: *See*—
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Leclert, Jean: *See*—
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Leco Corporation: *See*—
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Lecompte, Archie R., Jr., to Kimberly-Clark Corporation. Ejector aerated oxidation ditch for waste treatment. 3,846,292, 11-5-74, Cl. 210-14.000.

LeComte, Bernard; Henry, Jules; and Pincemin, Roger, to LeJoint Francias. Method for manufacturing washers from a flexible tube 3,787,913, 1-29-74, Cl. 10-86.00b.

Lecomte, Jean-Luc: *See*—
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Leconte, Gerard Bernard; and Wright, John Walter, to Alcan Research and Development, Limited. Method of and apparatus for casting on moving surfaces. 3,795,269, 3-5-74, Cl. 164-73.000.

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Lecourt, Jean Albert, to Saint-Gobain Industries. Manufacture of flat glass by flotation. 3,826,637, 7-30-74, Cl. 65-182.00r.

Lecourt, Michel: *See*—
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Martin, Roy A.; and Pittman, Clarence E., 3,787,662.
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Lectro-Static Magnetic Corporation: *See*—
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Lectron Products Inc.: *See*—
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Lectrosonics, Inc.: *See*—
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Lecuru, Jacques; and Cassa, Jean. Cellular trays for cultivating and displaying plants. 3,810,329, 5-14-74, Cl. 47-34.130

Lecuyer, Daniel Marie Pierre, to Vigifeu Aubervillios. Ionization chamber in particular for a fire detection device. 3,792,254, 2-12-74, Cl. 250-83.6ft.

Ledbetter, Harvey D.: *See*—
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Beck, Henry N., Ledbetter, Harvey D., and Schmitt, John A., 3,819,595.
Byrne, Joseph B.; and Ledbetter, Harvey D., 3,853,610.
Feay, Darrell C.; and Ledbetter, Harvey D., 3,840,649.

Ledbetter, Robert P. Direction finder. 3,818,479, 6-18-74, Cl. 343-113.00r.

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Leddy, Robert. Corner assembly for exterior siding. 3,828,499, 8-13-74, Cl. 52-278.000.

Leder & Co. AG: *See*—
Flukiger, Max, 3,818,953.

Leder, Frederic, to Esso Research and Engineering Company. Promoter for gas absorption. 3,793,434, 2-19-74, Cl. 423-223.000.
Leder, Frederic; Savage, David W.; and Shrier, Adam L., to Exxon Research and Engineering Company. Method and composition for removing acidic contaminants from gases. 3,848,057, 11-12-74, Cl. 423-223.000.
Leder, Lewis B., to Xerox Corporation. Process for preparing glassy liquid crystals and method for forming images on same. 3,789,225, 1-29-74, Cl. 250-331.000.
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Lee, Richard A.; and Lins, William F., to United States of America, Army. Comfort level measuring device. 3,828,170, 8-6-74, Cl. 235-151.300.

Lee, Richard E., to United Aircraft Corporation. Seal means for blade and shroud. 3,836,279, 9-17-74, Cl. 415-116.000.

Lee, Richard J.: *See—*
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Lee, Richard J., to Standard Oil Company. Oil-soluble condensation products of alpha-nitro alkyl chlorides and polyamino ureas, and the method of preparing same. 3,787,492, 1-22-74, Cl. 260-553.00r.

Lee, Richard J. Electric lead pot with increased efficiency. 3,790,749, 2-5-74, Cl. 219-424.000.

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Lee, Robert D., to United States of America, National Aeronautics and Space Administration. Bio-isolated DC operational amplifier. 3,811,094, 5-14-74, Cl. 330-59.000.

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Lee, Robert E., to Lincoln Manufacturing Company, Inc. Food heating and warming cabinet. 3,855,451, 12-17-74, Cl. 219-400.000.

Lee, Robert E., Jr., to International Production Technology Corporation. Contact assembly utilizing flexible contacts for pins of integrated circuits. 3,848,221, 11-12-74, Cl. 339-74.00r.

Lee, Robert G.; and Mitchell, Robert D., to Tennessee Valley Authority. Urea-ammonium polyphosphate production. 3,825,414, 7-23-74, Cl. 71-29.000.

Lee, Roberto, to Monsanto Company. Separation by crystallization in presence of water. 3,816,551, 6-11-74, Cl. 260-646.000.

Lee, Ronald G., to Owatonna Manufacturing Company, Inc. Press feed table. 3,831,427, 8-27-74, Cl. 72-448.000.

Lee, Ronald R. Independently rotatable indicia disco and braking mechanism therefor. 3,817,532, 6-18-74, Cl. 273-142.0ha.

Lee, Saishek. Video multiplex system. 3,811,008, 5-14-74, Cl. 178-6.60a.

Lee, Samuel: *See—*
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Lee, Sang H.: *See—*
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Lee, Sang H., to Pullman Incorporated. Container car. 3,818,843, 6-25-74, Cl. 105-366.00r.

Lee, Seth, Jr. Fuel heat exchanger for internal combustion engine and method of use. 3,788,292, 1-29-74, Cl. 123-122.00a.

Lee, Shung-Yan, to Du Pont de Nemours, E. I., and Company. Photopolymerizable compositions capable of yielding reverse images. 3,782,951, 1-1-74, Cl. 96-86.00p.

Lee, Stanley Arnold, to Imperial Chemical Industries Limited. Process for cyclising 1-aryloxy-3 beta-substituted ethylamino-2-propanols. 3,857,839, 12-31-74, Cl. 260-247.70c.

Lee, Stephen Arthur: *See—*
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Lee, Stephen John; Duffey, James Anthony; and Jenkins, Conrad Geoffrey, to Dyson, J. & J., Limited. Containers for molten metal. 3,802,683, 4-9-74, Cl. 266-38.000.

Lee, Sung Chuel; and Muchnick, Paul, to Hubbell, Harvey, Incorporated. Protective circuit for nonsequencing multipole ground fault circuit interrupter. 3,790,857, 2-5-74, Cl. 317-18.00d.

Lee, Terry: *See—*
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Lee, Thomas Brian: *See—*
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Johnson, Peter Bennett; and Lee, Thomas Brian, 3,790,580.
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Lee, Tien Pei; and Li, Tingye, to Bell Telephone Laboratories, Incorporated. Graded bandgap semiconductor photodetector for equalization of optical fiber material delay distortion. 3,852,591, 12-3-74, Cl. 250-211.00j.

Lee, Walter Joe, to Dow Chemical Company, The. Self-sealing system for storing and dispensing a fluid material. 3,827,455, 8-6-74, Cl. 137-375.000.

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Lee, William S. Stair climber moving method. 3,804,275, 4-16-74, Cl. 214-152.000.

Lee, William S. Moving system. 3,809,261, 5-7-74, Cl. 214-38.0cc.

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Leedom, Marvin A.; and Miller, Michael Evans. Information playback system stylus. 3,826,877, 7-30-74, Cl. 179-100.10b.

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Leeds, Winthrop M., to Westinghouse Electric Corporation. Compressed-gas circuit interrupter. 3,846,601, 11-5-74, Cl. 200-148.00b.

Leedy, Robert M. Selectable multi-compartment magnetic dispenser. 3,831,743, 8-27-74, Cl. 206-338.000.

Leedy, Verne B., to United States Steel Corporation. Method of making an ingot mold stool. 3,783,933, 1-8-74, Cl. 164-58.000.

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Leen, Morris W. Weight annunicator. 3,782,487, 1-1-74, Cl. 177-245.000.

Leenaards, Antoine Joseph, to Societe du Bouchon Couronne (Crown Cork Conpany France). Twist-off crown closure with seal. 3,827,594, 8-6-74, Cl. 215-324.000.

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Leeson, James L., Jr., to Woodward Governor Company. Digital synchronizing and phasing system. 3,785,147, 1-15-74, Cl. 60-97.00s.

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Lefeuvre, Andre, to Regie Nationale des Usines Renault and Automobiles Peugeot. Ventilation shutter control of motor vehicle. 3,845,700, 11-5-74, Cl. 98-2.000.

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Leffler, Dennis Frank, to Pelton & Crane Company. Pedestal for a treatment chair. 3,834,660, 9-10-74, Cl. 248-418.000.

Leffler, Dennis Frank, to Pelton & Crane Company. Adjustable headrest and backrest for a chair. 3,853,350, 12-10-74, Cl. 297-404.000.

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Lehman, Herbert A.; and Smith, Fred T., to Barber-Greene Company. High energy screed for a paver or the like. 3,838,933, 10-1-74, Cl. 404-114.000.

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Lehman, Michael T., to Itek Corporation. Photographic developer with cuprous amine complex. 3,843,363, 10-22-74, Cl. 96-48.00r.

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Lehmann, Hans-Jurgen: *See—*
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Lehmann, Kjeld, to Danfoss A/S. Housing assembly for oil cooled electrical apparatus. 3,857,992, 12-31-74, Cl. 174-52.00r.

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Lehmann, Myrtil B., to Chanel, Inc. Means for fixing an object in its packaging container. 3,837,479, 9-24-74, Cl. 206-489.000.

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Lehmann, Walter G., to Polaroid Corporation. Apparatus for dispensing a metered amount of fluid 3,795,351, 3-5-74, Cl. 222-209.000.

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Lehmann, Willi; and Wachtel, Anselm, to Westinghouse Electric Corporation. Discharge device and method for generating near infrared radiations. 3,857,054, 12-24-74, Cl. 313-486.000.

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Lehr, David. Safety stopper. 3,809,273, 5-7-74, Cl. 215-9.000.
Lehr, Heinz, to Condux-Werk, Herbert A. Merges KG. Cutting mill. 3,813,048, 5-28-74, Cl. 241-224.000.
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Lehrer, Solomon J. Hand-operated sweepers. 3,781,940, 1-1-74, Cl. 15-104.800.
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Leibinger, Berthold, to Trumpf & Co., Firma. Shear construction. 3,828,432, 8-13-74, Cl. 30-241.000.
Leibler, Jerome E.; Bloch, Carl J.; Preston, Marvin, IV; and Weiser, Mark D., to Omnitext, Inc. Interpretive display processor. 3,848,232, 11-12-74, Cl. 340-172.500.
Leibowitz, Lawrence M.; and Baldauf, Richard K., to United States of America, Navy. Feedback integrator with pedestal elimination. 3,794,994, 2-26-74, Cl. 343-5.0dp.
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Lenaeris, George Victor; Laing, Graham Sterling; Morrell, Ronald Joseph; and Willis, Wesley Nelson, said Lenaeris, Morrell and said Willis assors. to Northern Electric Company Limited and said Laing assor. to Bell-Northern Research, Ltd. Terminal block. 3,89,348, 1-29-74, Cl. 339-198.00r.
Lenander, Bo; and Ling, Bernt, to Allmanna Svenska Elektriska Aktiebolaget. Arragement in cranes to determine the deviation of the hoisting device of the crane from a defined vertical line. 3,826,380, 7-30-74, Cl. 212-125.000.
Lenane, Denis L., to Ethyl Corporation. Exhaust system. 3,815,337, 6-11-74, Cl. 55-276.000.
Lenane, Denis L., to Ethyl Corporation. Exhaust system. 3,815,338, 6-11-74, Cl. 55-276.000.
LeNay, Tom W.; and Hadden, Donald L., to Baker Industries, Inc. Alarm retransmission system. 3,846,794, 11-5-74, Cl. 340-415.000.
LeNay, Tom W.; and Hadden, Donald L., to Baker Industries, Inc. Test and integrity equipment for a McCulloh system. 3,848,241, 11-12-74, Cl. 340-214.000.
Lench, Robert, to American Standard Inc. Bullet resistive door. 3,815,312, 6-11-74, Cl. 52-622.000.
Lenderman, Alton L., to Deering Milliken Research Corporation. Yarn take-up. 3,857,523, 12-31-74, Cl. 242-18.0dd.
Lenders, Wichelmus Leonard Louis: *See—*
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Lencl, Paul Otto; and Featherstone, William, to Imperial Chemical Industries Limited. Separation of isopropyl-amines by plural stage distillation. 3,850,760, 11-26-74, Cl. 203-84.000.
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Lenfant, Rene, to Compagnie Generale d'Electricite. Retro-reflector. 3,820,872, 6-28-74, Cl. 350-102.000.
Lenfesty, Gordon A.: *See—*
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Lengemann, Robert A., to Universal Oil Products Company. Hydrocarbon conversion process utilizing a moving bed reactor. 3,799,866, 3-26-74, Cl. 208-139.000.
Lengnick, Guenther Fritz; and Pande, Kailash Chandra, to Stauffer-Wacker Silicone Corporation, mesne. Organo-tin aminocarbanate catalyst for preparation of polyurethane foam. 3,796,674, 3-12-74, Cl. 260-2.5ac.
Lengnick, Guenther Fritz, to Stauffer Chemical Company. Room temperature curable organopolysiloxanes. 3,829,527, 8-13-74, Cl. 260-827.000.
Lengnick, Guenther Fritz, to Stauffer Chemical Company. Room-temperature curing organopolysiloxanes. 3,829,529, 8-13-74, Cl. 260-827.000.
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Lengnick, Guenther Fritz, to Stauffer Chemical Company. Room temperature curable organopolysiloxanes. 3,849,462, 11-19-74, Cl. 260-448.20d.
Lengsfeld, Wolfgang, to BASF Wyandotte Corporation. Process for making oxyalkylated polyamino-1,3,5-triazines. 3,812,122, 5-21-74, Cl. 260-249.600.
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Lenin Kohaszati Muvek: *See—*
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Lenius, Gary L., to Kimberly-Clark Corporation. Method and apparatus for improved web transfer. 3,791,603, 2-12-74, Cl. 242-56.00r.
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Lenk, Erich, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Spinning apparatus with vaporous heating jacket. 3,817,672, 6-18-74, Cl. 425-73.000.
Lenk, Erich; Busch, Hansjochen; and Greb, Manfred, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Winder device for synthetic threads. 3,841,574, 10-15-74, Cl. 242-18.0dd.
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Lenkoff, Leon G. Invisible ink markings in defined areas of a game device responsive to color changing chemical marker. 3,826,499, 7-30-74, Cl. 273-130.00b.
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Lenney, William Edward, to Air Products and Chemicals, Inc. Vinyl chloride-ethylene-vinyl acetate resin binders. 3,830,761, 8-20-74, Cl. 260-8.000.
Lenning, David Lees, to United Kingdom Atomic Energy Authority. Heat exchangers. 3,812,907, 5-28-74, Cl. 165-83.000.
Lenning, Karl Alvar, to Aktiebolaget Electrolux. Absorption refrigeration apparatus having generator structure for stratifying and reducing agitation of absorption solution in a downwardly flowing liquid column in which expelled vapor bubbles upwardly therthrough. 3,805,546, 4-23-74, Cl. 62-496.000.
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Lenoble, Philippe B.: *See—*
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Lenoir, Franz N., to Miller Printing Machinery Co. Sheet gripper apparatus for a cutting and creasing press. 3,809,390, 5-7-74, Cl. 271-204.000.
Lenoir, Franz N.; and Van Gyseghem, Jean, to Miller Printing Machinery Co. Differential drive mechanism. 3,817,122, 6-18-74, Cl. 74-679.000.
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Lent, Ralph C., to Del Monte Corporation. Apparatus for cutting articles. 3,800,693, 4-2-74, Cl. 99-643.000.
Lent, Robert R.; and Firth, Francis G., to Tenneco Oil Company. Chemical hull patch. 3,789,791, 2-5-74, Cl. 114-227.000.
Lent, William E.; and Flores, Jose A., to United States of America, Navy. Lightweight ceramic lens for microwave antenna. 3,829,403, 8-13-74, Cl. 264-44.000.
Lentel, Francis Graham, to Gloster Saro Limited. Refuelling vehicles. 3,807,437, 4-30-74, Cl. 137-355.120.
Lenthall, Robert; Mills, Don; and Lee, Charles A., to International Paper Company, mesne. Method of and apparatus for making pleated and folded articles from a web. 3,784,186, 1-8-74, Cl. 270-64.000.
Lentine, Frank Nickolis; and Boggs, William Henry, to Sybron Corporation. Dental-type handpiece. 3,798,776, 3-26-74, Cl. 32-26.000.
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Lentz, George L., to Nardon Manufacturing Company, Inc. Circle band clamp. 3,807,003, 4-30-74, Cl. 24-279.000.
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Lenz, George R., to Searle, G. D., & Co. 21-Dialkylamino-20-methylpregna-4,17(20)-dien-3-ones and congeners. 3,810,926, 5-14-74, Cl. 260-397.100.
Lenz, George R., to Searle, G. D., & Co. 3-Oxygenated 21-dialkylamino-20-methyl-5 alpha-pregn-17(20)-dien-3-ones and congeners. 3,816,480, 6-11-74, Cl. 260-397.100.
Lenz, George R., to Searle, G. D., & Co. 3-Oxygenated 5,19-cyclo-A-nor-5,α,10,α,17,α-pregn-20-yn-17ols and esters. 3,819,687, 6-25-74, Cl. 260-488.00b.
Lenz, George R., to Searle, G. D., & Co. 3-Oxygenated 23-di (lower alkyl)amino-22-methyl-norchola-24-4/5,20(22)-dienes and intermediates. 3,847,954, 11-12-74, Cl. 260-397.100.
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Lenz, Karl Egon. Combination opener and pouring device for cans and the like. 3,813,009, 5-28-74, Cl. 222-90.000.
Lenz, Lowell J. Sequence batch dryer. 3,837,088, 9-24-74, Cl. 34-54.000.
Lenz, Ludwig J.; and Thompson, Robert Stanley, to United States of America, Army. Aiming device for indirect fire guns. 3,824,699, 7-23-74, Cl. 33-334.000.
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Leon, Albert M.; and Whittington, Robert C., to Stauffer Chemical Company. Purification of perchloromethyl mercaptan. 3,790,628, 2-5-74, Cl. 260-543.00h.
Leon, Henry A.; Connolly, James P.; Hitchman, Maurice J.; and Humbert, John E., to United States of America, National Aeronautics and Space Administration. Automatic real-time pair-feeding system for animals. 3,782,334, 1-1-74, Cl. 119-54.000.
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Leon, Robert, to United States of America, Navy. Broad band hydrophone. 3,803,546, 4-9-74, Cl. 340-10.000.
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Leonard, David J.; Mitchell, William E.; and McGrew, John P., to Span-Deck, Inc. Apparatus for production of cast concrete members. 3,832,118, 8-27-74, Cl. 425-443.000.
Leonard, David P., to Cook Paint and Varnish Company. Esters of melamine resins. 3,806,480, 4-23-74, Cl. 260-24.000.
Leonard, Didier, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Receiver including means selecting interference free channels. 3,806,819, 4-23-74, Cl. 325-464.000.
Leonard, Didier, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Coder for increase of transmission speed. 3,832,490, 8-27-74, Cl. 178-68.000.
Leonard, Donald A.; and Chang, Chin H., to Avco Everett Research Laboratory Inc. Optical detector system. 3,806,727, 4-23-74, Cl. 250-301.000.
Leonard, George E., to Kartridg Pak Co., The. Remotely adjustable filling head. 3,835,898, 9-17-74, Cl. 141-152.000.
Leonard, George Hamlin. Coupling for tubing. 3,837,687, 9-24-74, Cl. 285-111.000.
Leonard, George Hamlin. Connecting device and manipulating tool. 3,858,164, 12-31-74, Cl. 339-252.00r.

Leonard, Gordon Harris; and Ramshaw, Anthony John, to C.A.V. Limited. Flashing lamp circuits. 3,857,062, 12-24-74, Cl. 315-136.000.
Leonard, Guy W.; and Ross, Hubert M., Jr., to United States of America, Navy. Shotgun grenade. 3,820,463, 6-28-74, Cl. 102-38.000.
Leonard, James H., to Square D Company. Plug-on distribution panel with retaining means for both small and large circuit breakers. 3,842,322, 10-15-74, Cl. 317-119.000.
Leonard, John Charles, to British Hovercraft Corporation, Limited. Fluid cushion supported vehicles. 3,850,126, 11-26-74, Cl. 114-67.00a.
Leonard, John E.: *See*—
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Leonard, John M.; and Lewis, John S., Jr., to Texaco Inc. Method and apparatus for the optimum blending of lubricating base oils and an additive. 3,826,904, 7-30-74, Cl. 235-151.100.
Leonard, Lee V.: *See*—
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Leonard, Lynn B.; and Petersen, Arne J., to Beckman Instruments, Inc. Electrochemical electrode assembly and method of making same. 3,855,095, 12-17-74, Cl. 204-195.00g.
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Leonard, Olive Gene; and Stone, Eliot, to National Cash Register Company, The. Method of forming a high density planar core memory. 3,823,033, 7-9-74, Cl. 117-212.000.
Leonard, Ralph W., to United States Steel Corporation. Minimizing crazing of hot-dip aluminum coatings. 3,841,894, 10-15-74, Cl. 117-50.000.
Leonard, Richard L.: *See*—
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Leonard, Ronald J., to Baxter Laboratories, Inc. Mass transfer device having a wound tubular diffusion membrane. 3,794,468, 2-26-74, Cl. 23-258.500.
Leonard, Ronald J.; and Ahrens, James M., to Baxter Laboratories, Inc. Method for testing membranous devices for leaks. 3,811,317, 5-21-74, Cl. 73-40.000.
Leonard, Ronald J., to Baxter Laboratories, Inc. Self-valving fluid reservoir and bubble trap. 3,833,013, 9-3-74, Cl. 137-171.000.
Leonard, Ronald Keith: *See*—
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Leonard, Ulysses. Animated display. 3,820,265, 6-28-74, Cl. 40-106.300.
Leonard, Verna M. Music teaching aid based on the hands and scale degrees. 3,822,630, 7-9-74, Cl. 84-471.000.
Leonard, Verna M. Chord transposing and fingering dial. 3,841,192, 10-15-74, Cl. 84-485.000.
Leonard, Verna M. Chord inversion finder. 3,842,707, 10-22-74, Cl. 84-474.000.
Leonard, Verna M. Keyboard Fingering guide. 3,842,708, 10-22-74, Cl. 84-485.000.
Leonard, William A.; Kunak, Anthony F.; and Burns, Cecil M., to Lowenstein, M., & Sons, Inc. Precision deposition onto a textile substrate. 3,844,813, 10-29-74, Cl. 117-7.000.
Leonard, William A.; Kunak, Anthony F.; Burns, Cecil M.; and Parsons, Warren N., to M. Lowenstein & Sons, Inc. Waterproof, breathable coated textile substrate. 3,852,090, 12-3-74, Cl. 117-14.000.
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Leone, Louis A. Television timer to regulate television viewing time. 3,833,779, 9-3-74, Cl. 200-33.00r.
Leone, Salvatore. Metal trestle for manufacturing reinforced-concrete beams for floors. 3,828,505, 8-13-74, Cl. 52-414.000.
Leonhardt, Fritz; Hahn, Volker; and Fastenau, Werner, to Ed. Zublin Aktiengesellschaft. Device for connecting metallic sleeves to finned reinforcing bars. 3,835,690, 9-17-74, Cl. 72-415.000.
Leonhardt, Horst M., to International Shoe Machine Corporation. Machine for roughing the margin of an upper of a shoe assembly. 3,843,985, 10-29-74, Cl. 12-1.00r.
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Leonhart, Xaver. Play control device for amusement game. 3,817,519, 6-18-74, Cl. 273-30.000.
Leonhart, Xaver. Pocket billiard game apparatus. 3,834,706, 9-10-74, Cl. 273-122.00r.
Leonhart, Xaver. Levelling assembly for warpable playing surfaces. 3,837,298, 9-24-74, Cl. 108-161.000.
Leonheart, William H. All terrain vehicle. 3,809,004, 5-7-74, Cl. 115-1.00r.
Leonildo, De'Faveri Tron Antonio. Ski boot. 3,828,448, 8-13-74, Cl. 36-2.5al.
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Leonov, Vyacheslav Stepanovich: *See*—
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Leonte, Constantin, to Institutul Politehnic IASI. Method of and device for the formation of beam structures. 3,790,657, 2-5-74, Cl. 264-228.000.
Leopold, Wilbert R., Jr., to Mueller Co. Rotary valve with anti-corrosion and torque controlling menas. 3,799,500, 3-26-74, Cl. 251-297.000.
Leopold, Wilbur R., Jr.; and Hauffe, William L., to Mueller Co. Rotary valve with anti-corrosion and torque controlling means. 3,802,661, 4-9-74, Cl. 251-297.000.
Leopold, Wilbur R., Jr., to Mueller Co. Service head adapter. 3,814,466, 6-4-74, Cl. 285-55.000.
Leopold, Wilbur R., Jr.; and Smith, John J.; deceased (by Smith, Beatrice A.; executor). Gas meter setting or the like. 3,815,859, 6-11-74, Cl. 248-300.000.
Leopold, Wilbur R., Jr., to Mueller Co. Meter riser assembly. 3,819,207, 6-25-74, Cl. 285-45.000.
Leo's Quality Foods: *See*—
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Lepage, Alain M., to Compagnie Francaise des Petroles and Compagnie Maritime d'Expertises. Self-propelled, cable-supported diving bell. 3,800,722, 4-2-74, Cl. 114-16.00r.
LePage, Gerard T.: *See*—
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Lepage, Louis, to Antargaz Societe Anonyme de Distribution de Gaz Liquides de Petrole. Radiant burner operating at high temperature. 3,847,536, 11-12-74, Cl. 431-329.000.
Lepareur, Lucien: *See*—
Morel, Marcel; and Lepareur, Lucien, 3,789,817.
Leparulo, Angelo F.; and Grun, Charles, to Electromedia, Inc. Hydraulically-refuelable metal-gas depolarized battery system. 3,847,671, 11-12-74, Cl. 136-86.00a.
Lepeer, Clarence M.: *See*—
Linker, Edward A., and Lepeer, Clarence M., 3,797,135.
Lepelletier, Pierre Andre Georges, to Societe Anonyme Francaise du Ferodo. Hydrostatic unit with variable cylinder-capacity and transmission incorporating said unit. 3,808,811, 5-7-74, Cl. 60-444.000.
Lepetic, Vuko M.: *See*—
Rosar, Edward C.; Lepetic, Vuko M.; and Hobaugh, John R., 3,806,044.
Lepetit, S.p.A.: *See*—
Craveri, Renato; Coronelli, Carolina; and Sensi, Piero, 3,808,331.
Lancini, Giancarlo; Lazzari, Ettore; and Diena, Alberto, 3,823,186.
Lepetjukha, Vladimir Semenovich: *See*—
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Morgolenko, Anatoly Sergeevich; Kononenko, Vadim Grigorievich; Fedosenko, Igor Grigorievich, Selivanov, Gennady Dmitrievich; Kushnarenko, Sergei Grigorievich; and Lepetjukha, Vladimir Semenovich, 3,783,672.
Lepin, Viktor Petrovich: *See*—

Krupin, Alexandr Vasilievich; Roschin, Valentin Fedorovich; Alekhin, Leonid Petrovich; Izotov, Valery Mikhailovich; Burov, Oleg Alexandrovich; Gavrilov, Viktor Mikhailovich; Chekanov, Alexandr Ermolaevich; Lepin, Viktor Petrovich; and Vinogradov, Fedor Terntievich, 3,822,574.
Lepine, Raymond: *See*—
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Lepley, James W., to Flying Dutchman, Inc. Bottom unloading means for silo. 3,828,946, 8-13-74, Cl. 214-17.0da.
Lepley, James W., to Flying Dutchman, Inc. Material dislodging means for silo. 3,828,947, 8-13-74, Cl. 214-17.0da.
Lepley, James W.; and Stoltzfus, John E., to Flying Dutchman, Inc. Adjustable bottom discharge for silo. 3,837,507, 9-24-74, Cl. 214-17.00d.
Leporis, Steven A., Jr.: *See*—
Brown, Nancy F., 3,806,071.
Lepp, Vladimir Romanovich; Sibgatulin, Kharis Malikovich; and Cherkasov, Jury Nikolaevich. Current stabilizer having a saturable reactor in the mode of forced magnetization. 3,845,380, 10-29-74, Cl. 323-7.000.
Lepper, James M., Jr., to Wehr Corporation. Light scattering particle analyzer. 3,787,122, 1-22-74, Cl. 356-103.000.
Lepper, James M., Jr., to Wehr Corporation. Dilution system for particle analyzer. 3,791,196, 2-12-74, Cl. 73-28.000.
Leprince, Bernard. Illuminated display stand for wigs and cosmetics. 3,847,285, 11-12-74, Cl. 211-1.500.
Lepselter, Martin Paul: *See*—
Agraz-Guerena, Jorge; Gary, Paul Alexander; and Lepselter, Martin Paul, 3,841,918.
Lepselter, Martin Paul; and MacRae, Alfred Urquhart, to Bell Telephone Laboratories, Incorporated. Preparation of high resolution shadow masks. 3,801,390, 4-2-74, Cl. 156-8.000.
Leptien, Helmut, to Volkswagenwerk Aktiengesellschaft. Cooling arrangement for a combustion engine having a rotary type piston. 3,799,708, 3-26-74, Cl. 418-83.000.
Lequay, Claude: *See*—
Barbe, Gerard M.; Curtillat, Pierre G.; and Lequay, Claude, 3,840,633.
L'Equipement et la Construction Electrique E.C.E.: *See*—
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Lerch, Adolph F.; Otis, Nick C.; and Montgomery, John D., to Advance Housing Corporation. Method of assembling a building. 3,812,638, 5-28-74, Cl. 52-747.000.
Lerch, Donald C.; and Colman, John M., to Medical Innovations, Inc. Apparatus for applying hydraulic pulsation. 3,795,242, 3-5-74, Cl. 128-64.000.
Lerche-Svendsen, Flemming. Apparatus for introducing a filling material into a container of flexible material. 3,826,292, 7-30-74, Cl. 141-114.000.
Lerman, Frank, to National Distillers and Chemical Corporation. Process for the preparation of polyethylene transparencies for use in photoreproduction. 3,796,571, 3-12-74, Cl. 96-1.400.
Lermann, Peter; and Durr, Helmut, to Agfa-Gevaert Aktiengesellschaft. Photographic camera with automatic exposure control arrangement. 3,810,204, 5-7-74, Cl. 354-29.000.
Lermusiaux, Lucien, to Societe de Construction et d'Exploitation de Materiels et Moteurs S.C.E.M.M. Ragid hubs for variable-pitch propeliers and gas turbines. 3,807,897, 4-30-74, Cl. 416-140.000.
Lerner, Bernard, to Automated Packaging Systems, Inc. Packaging method and apparatus. 3,815,318, 6-11-74, Cl. 53-29.000.
Lerner, Irwin S.: *See*—
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Lerner, Irwin S., to Robins, A. H., Company, Incorporated. Intrauterine contraceptive device. 3,782,376, 1-1-74, Cl. 128-130.000.
Lerner, Irwin S., to Robins, A. H., Company, Incorporated. Intrauterine contraceptive device with scalloped edge appendages. 3,786,808, 1-22-74, Cl. 128-130.000.
Lerner, Irwin S., to Robins, A. H., Company, Incorporated. Intrauterine device saddle inserter. 3,794,025, 2-26-74, Cl. 128-130.000.
Lerner, Irwin S., and Walla, Joann R., said Walla assor. to said Lerner, Irwin S. Cytological preservative and mucolytic composition. 3,813,465, 5-28-74, Cl. 424-3.000.
Lerner, Irwin S.; Davis, Hugh J.; and Earl, Thad J., to Robins, A. H., Company Incorporated. Intrauterine device. 3,834,378, 9-10-74, Cl. 128-130.000.
Lerner, Irwin S., to Robins, A. H., Company, Incorporated. Intrauterine contraceptive device. 3,835,850, 9-17-74, Cl. 128-130.000.
Lerner, Irwin S., to Robins, A. H., Company, Incorporated. universal tubular inserter for intrauterine devices. 3,857,391, 12-31-74, Cl. 128-127.000.
Lerner, Julius: *See*—
Campbell, George E., Jr.; and Lerner, Julius, 3,835,736.
Lerner, Julius; and Campbell, George F., Jr., to Sun Oil Company of Pennsylvania. Fluid leakage measuring apparatus. 3,827,283, 8-6-74, Cl. 73-40.000.
Lerner, Lulius, to Sun Oil Company of Pennsylvania. Double flowmeter rotor assembly. 3,807,230, 4-30-74, Cl. 73-231.00r.
Lerner, Martin L., to Zenith Radio Corporation. Etch-back process. 3,808,071, 4-30-74, Cl. 156-16.000.
Lerner, Martin L., to Zenith Radio Corporation. Re-etch apparatus with constant flow rate means. 3,816,214, 6-11-74, Cl. 156-345.000.
Lerner, Martin L.; and Maskell, Roy, to Zenith Radio Corporation. Method of aluminizing a cathode-ray tube screen. 3,821,009, 6-28-74, Cl. 117-33.5cm.
Lerner, Nathan B., to Braun, W., Company. Liquid dispensing and metering device. 3,787,904, 1-29-74, Cl. 4-227.000.
Lerner, Nathan B., to Braun, W., Company. Liquid dispensing and metering device which also forms a closure for the container. 3,806,965, 4-30-74, Cl. 4-227.000.
Lerner, Nathan B., to Braun, W., Company. Safety cap operated by a key. 3,828,959, 8-13-74, Cl. 215-9.000.
Lerner, Robert A., to Ortho Pharmaceutical Corporation. Diagnostic methods and reagents for infectious mononucleosis. 3,840,655, 10-8-74, Cl. 424-12.000.
Lerner, Robert M., to Massachusetts Institute of Technology. Ground radar system. 3,831,173, 8-20-74, Cl. 343-5.00r.
Lerner, Robert Wendell; Hayati, Hossein; and Flasch, John Robert, to Stauffer Chemical Company. Coating composition. 3,784,505, 1-8-74, Cl. 260-37.0sb.
Lerner, Robert Wendell; Hayati, Hossein; and Flasch, John Robert, to Stauffer Chemical Company. Coating composition. 3,817,905, 6-18-74, Cl. 260-37.00r.
Lerner, Seymour D.: *See*—
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Lerner, Sidney I., to Ethyl Corporation. Method for reducing plasma lipid levels. 3,809,761, 5-7-74, Cl. 424-330.000.
Leroi, Jean-Claude: *See*—
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Charles, Ernest; Leroi, Jean-Claude; and Pech, Michel, 3,829,509.
Lerou, Roger J. Wall suspended humidifier. 3,817,499, 6-18-74, Cl. 261-29.000.
Lerouge, Claude Paul Henri: *See*—
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Leroy, Jean: *See*—
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Leroy, Jean Marie Louis; and Broudard, Claude Marie Henri Emile, to Uqine Kuhlmann. Esters of aminohenzoic acid. 3,839,411, 10-1-74, Cl. 260-471.00r.
Leroy, Jean-Pierre Henri Michel, to Societe Honeywell Bull (Societe Anonyme). Automatic functional margin plotter. 3,845,285, 10-29-74, Cl. 235-151.000.
Leroy, Maurice: *See*—
Grosbois, Jean; Zimmer, Jean-Claude; and Leroy, Maurice, 3,841,980.
Leroy, Pierre; and Sprunck, Emile, to Societe Creusot-Loire. Process for the protection of a tuyere of a refining converter. 3,801,084, 4-2-74, Cl. 266-41.000.
Leroy, Pierre; and Sprunck, Emile, said Leroy assor. to Creusot-Loire. Device for injection fluids in tuyeres with separate multiple feeds. 3,817,505, 6-18-74, Cl. 266-41.000.
Leroy, Pierre; Gombert, Marcel; and Sprunck, Emile, to Creusot-Loire, Societe Anonyme, mesne Method for cooling a tuyere of a refining converter. 3,817,744, 6-18-74, Cl. 75-60.000.
Leroy, Pierre, to Creusot-Loire. Method of blowing-in through blast pipes submerged in a metallic bath. 3,832,161, 8-27-74, Cl. 75-60.000.
Leroy, Pierre; Cadart, Michel; Morlet, Jean Georges; and Saleil, Jean, to Creusot-Loire. Process for refining alloy steels containing chromium and including stainless steels. 3,844,768, 10-29-74, Cl 75-59.000.
Lersch, Alfred E. Table tennis table having two barriers defining areas mounted thereon. 3,819,182, 6-25-74, Cl. 273-95.00r.
Lerwick, Everett R.; and Cook, William A. Endarterectomy apparatus. 3,811,446, 5-21-74, Cl. 128-303.000.
Les Aplications Industrielles du Tube: *See*—
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Les Applications Industrielles Vosgiennes Sapivog: *See*—
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Les Ateliers de Construction Mecaniques C. & A.: *See*—
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Les Fabriques d'Assortiments Reunies: *See*—
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Les Joyets Rationnels: *See*—
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Les Paquerettes S.A.: *See*—
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Les Produits Associes SA: *See*—
Crippa, Jean-Pierre, 3,851,984.
Musy, Jean-Pierre, 3,851,643.

Lesbros, Andre Jose; and Brachet, Max Jacques Roul, to Societe Miniere et Metallurgique de Penarroya. Reactor for the production of lead oxide with a high free-lead content. 3,836,339, 9-17-74, Cl. 23-277.00r.

Lesca, Pier Carlo: *See*—
Bonzano, Giorgio; Lesca, Pier Carlo; and Ponzano, Luigi, 3,789,378.

Lescarden Ltd.: *See*—
Balassa, Leslie L., 3,804,949.

LeSchack, Leonard A. Graphical data digitizer. 3,803,588, 4-9-74, Cl. 340-347.00r.

Leschander, Richard G.: *See*—
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Leschek, Walter C.: *See*—
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Leschek, Walter C., to Westinghouse Electric Corporation. Acoustic emission transducer and monitoring system. 3,855,847, 12-24-74, Cl. 73-71.400.

Leschinsky, Petr Grigorievich: *See*—
Alexandrov, Adolf Moritsovich; Balaian, Ruben Dzhangirovich; Aglitsky, Vladimir Efimovich; Isimbler, Jury Abramovich; Kantor, Ilia Solomonovich; Chizhikov, Vladimir Maiorovich; Topolyansky, Jury Arnoldovich; Suselov, Sergei Mikhailovich; Gulyaev, Nikolai Fdorovich; Kovanov, Pavel Vasilievich; Itskovich, Mark Leontievich; and Leschinsky, Petr Grigorievich, 3,838,634.

Leschisin, John: *See*—
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Leschonski, Kurt P.: *See*—
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Lesclear, Robert L., to T & S Equipment Company. Dock leveler. 3,786,530, 1-22-74, Cl. 14-71.000.

Lescop, Pierre; Michel, Pierre; and Vigneau, Joel Olivier, to Societe Nationale d'Etude et de Construction de Moteurs. Process for improving the resistance of surfaces against erosion. 3,811,919, 5-21-74, Cl. 117-62.000.

Lesczynski, Michael, to Carrier Corporation. Level controller and liquid remover for a refrigeration system. 3,828,567, 8-13-74, Cl. 62-160.000.

Leser, Robert: *See*—
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Lesh, Harvey B., Jr., to Goodrich, B. F., Company, The. Inflation system. 3,840,057, 10-8-74, Cl. 141-67.000.

Lesh, Nathan George; O'Day, Peter Joseph; and Unger, Burton Abram, to Bell Telephone Laboratories, Incorporated. Technique for the fabrication of a bilevel thin film integrated circuit. 3,811,973, 5-21-74, Cl. 156-3.000.

Lesh, Robert M.; and Woodberry, Eugene T., Jr. Method and apparatus for sealing the interface of zones having different environmental conditions with an opening in the interface for passing material between the zones. 3,854,222, 12-17-74, Cl. 34-15.000.

Leshem, Adam. Folding table. 3,805,710, 4-23-74, Cl. 108-6.000.

Leshem, Adam, to Combustion Engineering, Inc. Remote cutting apparatus. 3,818,786, 6-25-74, Cl. 82-70.200.

Lesher, George Y.: *See*—
Brundage, R. Pauline; and Lesher, George Y., 3,786,043.
Brundage, R. Pauline; and Lesher, George Y., 3,838,156.
Brundage, R. Pauline; and Lesher, George Y., 3,855,232.

Lesher, George Y., to Sterling Drug, Inc. Process of cyclizing alkylidene substituted-aminomethylenemalonates. 3,798,227, 3-19-74, Cl. 260-289.000.

Lesher, George Y., to Sterling Drug Inc. 4,4'-Disubstituted-bis(benzamides). 3,840,598, 10-8-74, Cl. 260-559.00r.

Lesher, George Y.; and Gruett, Monte D., to Sterling Drug Inc. 1,4-Dihydro-4-oxo-1,8-naphthyridine-3-carboxaldehydes. 3,857,851, 12-31-74, Cl. 260-295.00n.

Leshnoff, Stephen D.: *See*—
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Lesinski, Jacek, to Commissariat a l'Energie Atomique and Instytut Badan Jadrowych. Method of measurement of color temperature and a device for carrying out said method. 3,806,249, 4-23-74, Cl. 356-45.000.

Lesk, Adolf; Baumann, Rudolf; and Link, Otmar, to Zimmermann, Adolf, Maschinenbau. Apparatus for reversing the conveying-air in pneumatic suction-conveying installations. 3,811,248, 5-21-74, Cl. 55-272.000.

Lesk, Israel A.: *See*—
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Lesley, Thomas P. Avocado growing apparatus. 3,830,013, 8-20-74, Cl. 47-1.200.

Leslie, Brian R.: *See*—
Ross, Stuart T.; and Leslie, Brian R., 3,798,742.

Leslie Co.: *See*—
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Scull, William L., 3,856,049.

Leslie, Donald J.: *See*—
O'Brien, Roy E.; Leslie, Donald J.; and Leslie, Michael R., 3,845,967.

Leslie, Donald J. Pulsato generation system. 3,842,204, 10-15-74, Cl. 179-1.00j.

Leslie, Donald M.: *See*—
Voot, Charles C.; Talcott, John W.; Leslie, Donald M.; Dovell, Clark W.; and Black, Samuel J., 3,791,296.

Leslie, Henry R.; and Samways, Roger J., to Lockheed Aircraft Corporation. Engine arrangement for high performance stol aircraft. 3,829,044, 8-13-74, Cl. 244-13.000.

Leslie, Lewis: *See*—
Harding, Robert C.; Leslie, Lewis; and Olsen, Edward H., 3,796,913.

Leslie, Michael R.: *See*—
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Leslie, Myron E., to Hussong-Walker-Davis Co. Dyeing apparatus. 3,835,672, 9-17-74, Cl. 68-206.000.

Leslie Salt Co.: *See*—
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Leslie, Victor Jeffrey; and Leggett, Maurice Bernard, to Imperial Chemical Industries, Limited. Polysulphone reinforced silicone elastomer seal. 3,783,091, 1-1-74, Cl. 161-168.000.

Leslie, Victor Jeffrey; and Rose, John Brewster, to Imperial Chemical Industries Limited. 4-Hydroxy-3,3',4'-trichlorodiphenyl sulphone. 3,830,781, 8-20-74, Cl. 260-49.000.

Leslie, William C., to United States Steel Corporation. Method of producing enameling iron, and enameling iron compositions and articles. 3,843,415, 10-22-74, Cl. 148-2.000.

Lesnansky, Michael, Jr., to Textron, Inc. Multiple retention plug for sealing openings in metal parts. 3,837,522, 9-24-74, Cl. 220-24.500.

Lesniak, Chryzant; and Bryjak, Edmunt. Rotary vessel furnace. 3,809,377, 5-7-74, Cl. 266-18.000.

Lesniak, Stanley J.: *See*—
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Lesnick, Edward: *See*—
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Lesperance, Lawrence M.; Drewry, Hugh S.; and Vegners, Gunars, to Allis-Chalmers Corporation. Length measuring system having automatic update of roll diameter compenstion value. 3,824,694, 7-23-74, Cl. 33-141.00r.

Less, Raymond L. Guide. 3,829,065, 8-13-74, Cl. 254-190.00c.

Lessard, Victor. Remote engine starting system. 3,790,806, 2-5-74, Cl. 290-37.000.

Lesser, Eliyu, to Leesona Corporation. Ring rail tracking arrangment for ring spinning machines. 3,827,226, 8-6-74, Cl. 57-34.00r.

Lesser, George Albert: *See*—
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Lesser, Jerome M. Method for washing vehicles with oscillating, flexible strips. 3,844,836, 10-29-74, Cl. 134-6.000.

Lesser, Joseph H., to Esso Research and Engineering Company. Aminothiophene derivatives. 3,823,161, 7-9-74, Cl. 260-332.20c.

Lesserteur, Michel: *See*—
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Lessig, Samuel H., Jr.: *See*—
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Lessler, Christian E.; Levy, Ralph M.; and McDermott, William Donald, to Honeywell Inc. Rocker actuator for push button switches. 3,805,008, 4-16-74, Cl. 200-332.000.

Lestaevel, Pierre J. Locking device for containers. 3,830,394, 8-20-74, Cl. 215-9.000.

Lester Electrical of Nebraska, Inc.: *See*—
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Lester, John: *See*—
Briney, Gary Clark; Lester, John; and Jones, William, 3,796,602.

Lester, Robert W., to RCDS Enterprises, Inc., mesne. Electronic tracking locating system using multiple frequency, modulated, and time delayed ultrasonic signals. 3,805,227, 4-16-74, Cl. 340-16.00r.

Lester, Robert W., to RCDS Enterprises, Inc., mesne. Radiant wave locating system. 3,805,265, 4-16-74, Cl. 343-6.50r.

Lester, Russell H., to Celotex Corporation, The. Cable drum brake. 3,799,296, 3-26-74, Cl. 188-82.800.

Leston and Burpee, Ltd.: *See*—
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Baldrey, Robert Alexander; and Allen, Francis Edwin, 3,838,620.

Lesuer, William Monroe; and Dunn, Horton, Jr., to Lubrizol Corporation, The. Process for preparing phosphorus-containing acids. 3,848,032, 11-12-74, Cl. 260-981.000.

Lesyk, Leo; and Kaltenborn, David A., to Bird Electronic Corporation. RF termination. 3,790,904, 2-5-74, Cl. 333-22.00r.

Leszczak, Nicholas: *See*—
Spancl, Abram N.; Wittler, Bernard H.; and Leszczak, Nicholas, 3,812,799.

Leszczynski, Stanley. Apparatus for transporting transformers and the like. 3,822,800, 7-9-74, Cl. 214-370.000.

Letang, Roland: *See*—
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L'Etat Francais Delegation Ministerielle pour l'Armement Direction Technique des Armements Terrestres: *See*—
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LeTaurneau, R. G., Inc.: *See*—
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Letchworth, Peter E.; Menn, Julius J.; and Pallos, Ferenc M., to Stauffer Chemical Company. Control of confused flour beetles using geranyl phenyl ethers. 3,810,989, 5-14-74, Cl. 424-278.000.

Lethen, Robert, to Otto Junker GmbH. Tiltable induction furnace for molten metals. 3,811,001, 5-14-74, Cl. 13-27.000.

Leto, Joseph R.; Potts, John D.; and Shang, Jer-Yu, to Sun Research and Development Co. Ammoxidation process. 3,839,398, 10-1-74, Cl. 260-465.00c.

Letourneur, Guy, to Coparfi. Structural arrangement. 3,785,109, 1-15-74, Cl. 52-633.000.

Letourneux, Yvon. Wheeled stall for itinerant sale. 3,799,604, 3-26-74, Cl. 296-21.000.

Letraset International Limited: *See*—
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Letson and Burpee Ltd.: *See*—
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Letson, Richard A.; and Cormey, Walter P., to Pacific Communications, Inc. Aircraft emergency warning system. 3,829,781, 8-13-74, Cl. 325-115.000.

Lett, Philip Michael: *See*—
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Lettan, Richard H.; and McGuire, Robert J., to Eastman Kodak Company. Optical control mechanism. 3,809,460, 5-7-74, Cl. 350-254.000.

Letterman, Ernest E., to Harmon Industries, Inc. Printed circuit board hitch connector. 3,797,862, 3-19-74, Cl. 280-422.000.

Lettner, Kurt; and Finkenauer, Hans Jakob, to Messer Griesheim G.m.b.H., mesne. Welding substance and method of making same. 3,798,078, 3-19-74, Cl. 148-26.000.

Letvin, Samuel. Waste heat recovery process. 3,803,846, 4-16-74, Cl. 60-685.000.

Letzel, Karl; Stober, Helmut; and Nickel, Elmar, to Daimler-Benz Aktiengesellschaft. Instrument panel for motor vehicles, especially trucks. 3,797,605, 3-19-74, Cl. 180-90.000.

Letzel, Karl; Stober, Helmut; and Nickel, Elmar, to Daimler-Benz Aktiengesellschaft. Interior handle for motor vehicles. 3,838,747, 10-1-74, Cl. 180-90.000.

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Leuck, Donald D., to Owens-Illinois, Inc. Sustainer voltage generator. 3,821,596, 6-28-74, Cl. 315-169.0tv.

Leuck, Donald D.; and Budzynski, Leonard M., to Owens-Illinois, Inc. Border sustainer system for gas discharge panel. 3,843,905, 10-22-74, Cl. 315-169.0tv.

Leuenberger, Arthur-Andre, to Relma S.A. Rotary coupling device in which the transmitted speed of rotation is increased progressively. 3,837,181, 9-24-74, Cl. 64-26.000.

Leuenberger, Gottfried, to Leuenberger, Peter. Electric switch. 3,857,007, 12-24-74, Cl. 200-153.00h.

Leuenberger, Jean Pierre: *See*—
Danjczek, William E.; Leuenberger, Jean Pierre; Micale, Fortunato J.; and Wagner, Ralph W., 3,824,023.

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Leumi, Dubi A., 50% to Gay, Andrew G. Ball game player with mallets. 3,814,430, 6-4-74, Cl. 273-118.00r.

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Leuschner, Horst; and Viereck, Gerhard Gerhard, to Texas Instruments, Incorporated. Ultrasonic remote control receiver. 3,855,575, 12-17-74, Cl. 340-16.70r.

Leusink, Andre J.: *See*—
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Leuteritz, Gunther Max. Process for the continuous and selective catalytic partial hydrogenation of unsaturated fats and oils. 3,823,172, 7-9-74, Cl. 260-409.000.

Leuthi, Christian, to Ciba-Geigy AG. Pyrenyl-s-triazines. 3,843,651, 10-22-74, Cl. 260-248.0cs.

Leuthi, Christian; Biland, Hans Rudolf; and Duennenberger, Max, to Ciba Limited. Bis-oxalic acid ester amides for use as stabilisers. 3,843,716, 10-22-74, Cl. 260-471.00a.

Leuthi, Christian, to Ciba-Geigy AG. 1,4-Bis-styryl-benzene-dioxyalkanoic acids, salts and esters. 3,843,718, 10-22-74, Cl. 260-473.00g.

Leutner, Bernd; Schwarzmann, Matthias; and Ohlinger, Manfred, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Ferromagnetic chromium dioxide crystals and magnetic recording medium containing same. 3,841,907, 10-15-74, Cl. 117-234.000.

Leutner, Volkmar; and Romes, Roman, to Bosch, Robert, G.m.b.H. Regulating apparatus for a hydrostatic pump. 3,788,775, 1-29-74, Cl. 417-222.000.

Leutner, Volkmar; and Romes, Roman, to Bosch, Robert, G.m.b.H. Electro hydraulic servo control valve. 3,835,888, 9-17-74, Cl. 137-625.6q0.

Leutwyler, Kurt, to Baker Oil Tools, Inc. Snubbing apparatus. 3,797,570, 3-19-74, Cl. 166-77.000.

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Levaco, Robert M.; and Dolgoff, Jordan A., said Levaco assor, to Oppenheimer Casing Co. Casing-carrier assembly and method. 3,826,852, 7-30-74, Cl. 426-132.000.

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Levak, Michael. Hand tool for installing points, condensers and other devices. 3,793,693, 2-26-74, Cl. 29-203.00h.

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Levashov, Gennady Vasilievich; Kalashnikov, Sergei Nikiforovich; Glukhov, Ivan Ivanovich; and Shemyrev, Mikhail Pavlovich. Machine for cutting straight-tooth bevel gears. 3,782,244, 1-1-74, Cl. 90-9.000.

Levasseur, Georges; and Garconnat, Michel, to Compagnie Industrielle des Telecommunications CIT-ALCATEL. Dephasing circuit. 3,851,256, 11-26-74, Cl. 328-55.000.

Levasseur, Joseph L., to H. R. Electronics Company. Vend control circuit with improved deposit refund and accumulation means. 3,820,642, 6-28-74, Cl. 194-1.00n.

Levasseur, Joseph L., to H. R. Electronics Company. Vend control with escrow until available product selection. 3,828,903, 8-13-74, Cl. 194-1.00n.

Levasseur, Joseph L., to H.R. Electronics Company. Slide switch assembly having piggyback multiple actuators extending through common cover aperture. 3,829,634, 8-13-74, Cl. 200-16.00r.

Levasseur, Joseph L., to H. R. Electronics Company. Control circuit for vending and other coin controlled devices. 3,841,456, 10-15-74, Cl. 194-1.00n.

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Level, Bertrand P. E., to Plastrex-Manurhin S.A.R.L. Retractable winding mandrel. 3,834,641, 9-10-74, Cl. 242-72.100.

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Levenberg, Nathan. Automotive bumper and energy absorbing member therefor. 3,851,910, 12-3-74, Cl. 293-89.000.

Levene, Leon, to Owens-Illinois, Inc. Process for producing protective glass coatings. 3,811,918, 5-21-74, Cl. 117-47.00h.
Levene, Leon, to Owens-Illinois, Inc. Method of preparing luminescent and photoconductive materials. 3,816,328, 6-11-74, Cl. 252-301.60s.
Levene, Leon; and Thomas, Ian M., to Owens-Illinois, Inc. Strengthened glass articles and methods using glass precursor ion exchange medium. 3,853,673, 12-10-74, Cl. 161-1.000.
Levene, Leon, to Owens-Illinois, Inc. Multiple ion exchange steps for strengthening glass and methods of making same. 3,853,674, 12-10-74, Cl. 161-1.000.
Levengood, William C., to Sensors Incorporated. Method and apparatus for inducing morphogenetic alterations in plants. 3,822,505, 7-9-74, Cl. 47-1.300.
Levengood, William C., to Sensors, Incorporated. Method for determining the viability of seeds prior to germination. 3,852,914, 12-10-74, Cl. 47-58.000.
Levens, Freer T. Portable tank and shell. 3,819,079, 6-25-74, Cl. 220-5.00a.
Levenson, Michael K. Tear gas grenade. 3,795,197, 3-5-74, Cl. 102-65.000.
Levenson, Nathan S. Housing assembly with convertible housing units. 3,852,924, 12-10-74, Cl. 52-79.000.
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Levine, Nathan, to Babcock-Davis Associates Inc. Latch mechanism for hatchway leaf. 3,830,016, 8-20-74, Cl. 49-8.000.
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Levins, Robert J., to Morris, Philip, Incorporated. Ion-sensitive electrode based on neutral carrier complex. 3,835,010, 9-10-74, Cl 204-195.001.
Levinson, Harold N.; and Frank, Jan. Dysmetric dyslexia screening procedure. 3,842,822, 10-22-74, Cl. 128-2.00r.
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Levinson, Walter W. Nail holder. 3,789,895, 2-5-74, Cl. 145-46.000.
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Levitt, Barry N.; and Shorey, Francis L., to Raytheon Company. Apparatus for generating mutually orthogonal sinusoidal signals utilizing orthogonal hall plates which are relatively adjustable. 3,824,455, 7-16-74, Cl. 324-34.00r.
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Lewis, Cyril John; Ray, Neil Hunter; and Robinson, William Derek, to Imperial Chemical Industries Limited. Vanadium containing alkali metal-lead phosphate glass. 3,804,645, 4-16-74, Cl. 106-50.000.
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Lewis, David S., to Zeller Corporation, The. Universal joint lubrication. 3,832,865, 9-3-74, Cl. 64-17.00a.
Lewis, Dean F.; and Pinney, Verne D. Post strap fitting. 3,837,048, 9-24-74, Cl. 24-201.00a.
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Lewis, Douglas R., to Ethylene Corporation. Flexible expansion joint having means for limiting lateral movement. 3,854,758, 12-17-74, Cl. 285-114.000.
Lewis, Edgar R., Jr. Self flushing live bait container for power boats. 3,797,160, 3-19-74, Cl. 43-55.000.
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Lewis, Edward A.; Harvey, Richard B.; and Reed, Richard R. Method and system for radio mapping noise sources in clouds. 3,803,609, 4-9-74, Cl. 343-100.0mc.
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Lewis, Geoffrey Arthur, to Lucas, Joseph, (Industries) Limited. Fuel pumps for use in conduction with gas turbine engines. 3,811,797, 5-21-74, Cl. 417-199.00a.
Lewis, Geoffrey Arthur; and Bloom, Joseph Louis, to Lucas Aerospace Limited. Control vane arrangement for a gas turbine engine. 3,816,021, 6-11-74, Cl. 415-147.000.
Lewis, Geoffrey Arthur, to Lucas Aerospace Limited. Reversible turbine with inlet and brake control system. 3,825,367, 7-23-74, Cl. 415-153.000.
Lewis, Geoffrey Arthur, to Lucas Aerospace Limited. Fuel control apparatus for gas turbine engine reheat systems. 3,857,241, 12-31-74, Cl. 60-243.000.
Lewis, George E.; and Murman, Fernando, to Hydril Company. Underwater multiple fluid line connector. 3,817,281, 6-18-74, Cl. 137-594.000.
Lewis, George E., to Bear Brand Hosiery Co. Pneumatic package loader. 3,824,763, 7-23-74, Cl. 53-255.000.
Lewis, George E.; Brown, Albert W.; and Osborne, Harris Dean, to Bear Brand Hosiery Co. Pneumatic package loader. 3,826,062, 7-30-74, Cl. 53-255.000.
Lewis, Gerald F. Seat belt retractor apparatus. 3,790,098, 2-5-74, Cl. 242-107.400.
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Lewis, Gerald F. Seat belt retractor apparatus. 3,837,594, 9-24-74, Cl. 242-107.400.
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Lewis, Herbert H., to Montgomery Industries International, Inc. Apparatus for reducing wood and like articles. 3,838,823, 10-1-74, Cl. 241-32.000.
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Lewis, John B.; and Hedrick, Glen W., to United States of America, Agriculture. Hydroxy-methylated derivatives of resin acids. 3,801,649, 4-2-74, Cl. 260-611.00b.

Lewis, John C., to Park-Ohio Industries, Inc. Inductor for heating elongated metal workpieces. 3,848,107, 11-12-74, Cl. 219-10.790.

Lewis, John C., Jr., to Tucel Industries, Inc. Synthetic tufted constructions. 3,798,699, 3-26-74, Cl. 15-179.000.

Lewis, John C., Jr., to Tucel Industries, Inc. Brush machinery and instant brush construction. 3,799,616, 3-26-74, Cl. 300-2.000.

Lewis, John D. Separation of acetylene from ethylene-bearing gases. 3,837,144, 9-24-74, Cl. 55-64.000.

Lewis, John G., to Emerson Electric Co. Centrifugal actuated mechanism with separable mounting bracket. 3,782,669, 1-1-74, Cl. 248-14.000.

Lewis, John Henry; Morsell, Arthur Lee; and Welkowsky, Murray Samuel, to Xonics, Inc. Liquid displacement gas recovery system for electron radiography imaging chamber. 3,836,777, 9-17-74, Cl. 250-315.000.

Lewis, John M., to Ekstrom, Carlson & Co. Multispindle drilling machine. 3,822,958, 7-9-74, Cl. 408-46.000.

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Lewis, Joseph Earle, Jr.; and Roberts, George Leathwhite, Jr., to American Cyanamid Company. Titanium dioxide pigments. 3,821,359, 6-28-74, Cl. 423-610.000.

Lewis, Keith, to Lucas Electrical Company Limited, The. Electrical switch. 3,825,711, 7-23-74, Cl. 200-67.00g.

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Lewis, Morton, to Swift & Company. Amino methyl phosphonates. 3,821,335, 6-28-74, Cl. 260-945.000.

Lewis, Nigel W. Electrical alarm systems. 3,813,662, 5-28-74, Cl. 340-213.00r.

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Lewis, Richard L., to Bendix Corporation, The. Single fluid booster and system. 3,782,781, 1-1-74, Cl. 303-9.000.

Lewis, Richard L., to Bendix Corporation, The. Deceleration responsive proportioning valve for vehicle braking system. 3,795,424, 3-5-74, Cl. 303-6.00c.

Lewis, Richard L., to Bendix Corporation, The. Concentric brake booster with failsafe power supply. 3,802,195, 4-9-74, Cl. 60-403.000.

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Lich, Richard L., to General Steel Industries, Inc. Railway trucks with pivotally connected side frames. 3,817,188, 6-18-74, Cl. 15-199.00r.

Lichman, Nikolai Iosifovich: *See—*
Tobak, Lev Zeilikovich; Brandenburgsky, Mikhail Galileevich; Lichman, Nikolai Iosifovich; and Lygovskoi, Andrei Likyanovich, 3,810,293.

Lichstein, Bernard M.; and Du Bois, Robert J., to Allied Chemical Corporation. Novel bisamides containing fluorine. 3,786,093, 1-15-74, Cl. 260-561.0hl.

Lichstein, Bernard Murray, to Allied Chemical Corporation. Carbonylation of fluorocarbon iodides. 3,790,607, 2-5-74, Cl. 260-408.000.

Licht, Lazar; Branger, Moritz; Kayan, Helmut L.; and Lawson, Bob L., to Ampex Corporation. Anti-whirl fluid bearing. 3,795,427, 3-5-74, Cl. 308-9.000.

Lichtblau, George Jay. Electronic security system. 3,810,147, 5-7-74, Cl. 340-280.000.

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Lichtenberg, Alfred, to Siemens Aktiengesellschaft. Magnetic suspension utilizing an elongated coil. 3,837,287, 9-24-74, Cl. 104-148.0ss.

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Lichtenberger, Harold V.; and Ruoss, Christian W., to Combustion Engineering, Inc. Self-closing control rod grippers. 3,825,160, 7-23-74, Cl. 226-59.000.

Lichtenstein, Berhard, to Technicon Instruments Corporation. Method and apparatus for successive sample analysis without inter-sample contamination. 3,843,326, 10-22-74, Cl. 23-259.000.

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Lichtenwalter, Myrl, to Jefferson Chemical Company, Inc. Process for the production of aminoethylpiperazine. 3,793,397, 2-19-74, Cl. 260-688.0sy.

Lichti, Robert W.: *See—*
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Lichtman, Irwin A.; and Woodward, Fred E., to Diamond Shamrock Corporation. Defoamer compositions containing organic particles. 3,793,223, 2-19-74, Cl. 252-358.000.

Lichtman, Philip. Milling cutters. 3,857,305, 12-31-74, Cl. 76-101.00a.

Lichtman, Philip R. Firearm. 3,857,322, 12-31-74, Cl. 89-145.000.

Licina, Charles; Miller, Robert E.; and Taylor, Nathaniel H., to Simmons Company. Trendelenberg mechanism. 3,797,052, 3-19-74, Cl. 5-63.000.

Licitis, Conars, to Glass, Marvin, & Associates. Sound record. 3,801,110, 4-2-74, Cl. 274-42.00r.

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Licitis, Gunars, to Glass, Marvin & Associates. Sound recording and reproducing device with visual image means. 3,829,207, 8-13-74, Cl. 353-120.000.

Licitis, Gunars; and Glass, Marvin I., to Glass, Marvin, & Associates. Target game. 3,843,128, 10-22-74, Cl. 273-102.00l.

Liddall, Jack Anthony: *See—*
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Liddell, William S. Stereoscopic optical apparatus. 3,829,202, 8-13-74, Cl. 352-62.000.

Liddle, David E.: *See—*
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Liddle, David E., to Owens-Illinois, Inc. Parallel addressed, multiplexed-driver plasma display system and method. 3,798,632, 3-19-74, Cl. 340-324.00m.

Liddle, David L.: *See—*
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Liddy, Clarence, to Mobil Oil Corporation. Lubricants comprising a dimer or a trimer of a C_{18} monocarboxylic acid. 3,794,585, 2-26-74, Cl. 252-28.000.

Lide, Basil M.; and Kowalcheck, Harry, to Westinghouse Electric Corporation. Multivibrator having two levels triggering capability after initiation. 3,852,621, 12-3-74, Cl. 307-273.000.

Lide, Basil M., III; and Kowalcheck, Harry, to Westinghouse Electric Corporation. Null balance indicating and control apparatus and phase sensitive pulse responsive circuits for use therein. 3,783,356, 1-1-74, Cl. 318-672.000.

Liden, Sam P., to Sperry Rand Corporation. Brushless tachometer. 3,858,109, 12-31-74, Cl. 322-31.000.

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Lidgarb, Edward J. Packaging methods and structures. 3,805,473, 4-23-74, Cl. 53-14.000.

Lidikay, Lyle M.; and Wilde, Sheldon L., to H-C Industries, Inc. Drive apparatus for metering apparatus. 3,825,044, 7-23-74, Cl. 141-187.000.

Lidington, Frederick Charles, to Weathershields Limited. Hinged draught deflectors for vehicles. 3,843,195, 10-22-74, Cl. 296-137.00j.

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Lidorenko, Nikolai Stepanovich; Landsman, Arkady Pavlovich; Strebkov, Dmitry Semenovich; Zaitseva, Aita Konstantinovna; Zadde, Vitaly Vinktorovich, and Kosarev, Viktor Sergeevich. Semiconductor photoelectric generator and method of its manufacture. 3,793,73, 2-26-74, Cl. 29-583.000.

Lidstone, James E., to Donaldson Company, Inc. Moisture removing stack cap for engine air intakes. 3,791,112, 2-12-74, Cl. 55-385.000.

Lieb, Donald F.; and Stillman, Neil W., to Diamond Shamrock Corporation. Method for electrosanitizing waste water 3,856,642, 12-24-74, Cl. 204-149.000.

Lieb, Erwin: *See—*
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Lieb, Helmut, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Damping device for rapidly spinning rotary body. 3,856,200, 12-24-74, Cl. 233-1.00c.

Lieb, Solomon Nathan, 75% to Dworcan, Manfred. Alarm system for the safety of non-swimmers. 3,810,146, 5-7-74, Cl. 340-279.000.

Lieber, Samuel L. Bidet-commodes. 3,845,509, 11-5-74, Cl. 4-7.000.

Liebergeld, Rudolf. Apparatus for conveying an elongated workpiece. 3,796,087, 3-12-74, Cl. 72-421.000

Liebergott, Norman; Clayton, David W.; Joachimides, Thomas; and Merka, Joseph, to Pulp and Paper Research Institute of Canada. Treatment of cellulosic matter with activated nitrogen or other activated gases. 3,806,404, 4-23-74, Cl. 162-65.000.

Lieberman, David M. Ophthalmological apparatus for use in an examining room. 3,832,041, 8-27-74, Cl. 351-1.000.

Lieberman, Edgar M.; and Snyder, Bobbie L., to Fixtures Mfg. Corporation. Chair and ganging structure. 3,825,300, 7-23-74, Cl. 297-248.000.

Lieberman, Gilbert. Lampshade and lamp combination and means for joining one with the other. 3,813,537, 5-28-74, Cl. 240-108.00r.

Lieberman, Irving, to Whittaker Corporation. Method of explosively expanding sleeves in eroded tubes. 3,781,966, 1-1-74, Cl. 29-401.000.

Lieberman, Irving, to Whittier Corporation. Explosive forging of external surfaces. 3,820,222, 6-28-74, Cl. 29-401.000.

Lieberman, Jerry. Calendar arrangement 3,826,029, 7-30-74, Cl. 40-107.000.

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Lieberman, Norman P., to Standard Oil Company. Apparatus for inter-bed mixing of a fluid quench medium and a vapor-liquid mixture. 3,855,068, 12-17-74, Cl. 196-155.000.

Lieberman, Seymour; and Rice, Joseph Michael, to Transtech. Self operating pressure actuated valve. 3,851,660, 12-3-74, Cl. 137-484.200.

Lieberman, Stuart I.; and Hopp, Theodore H. Digital counter frequency control system. 3,857,107, 12-24-74, Cl. 331-1.00a.

Liebermann, Leonard N.; and Lai, Stanley H., to TIF Instruments, Inc. Ignition system test instrument and method. 3,793,584, 2-19-74, Cl. 324-16.00r.

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Liebert, Ralph C.: *See*—
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Liebert, Richard Bently: *See*—
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Lieberum, Friedel. Detachable tread devices for automobile tires. 3,797,549, 3-19-74, Cl. 152-175.000.

Liebig, Hans-Peter; and Umbach, Gunter, to Westinghouse Bremsen- und Apparatebau GmbH. Bellows-type dust boot with expandable sleeve. 3,793,892, 2-26-74, Cl. 74-18.200.

Liebig, Horst; and Dransch, Gunter, to Riedel-De Haen Aktiengesellschaft. Novel arylthiocarbamate. 3,832,374, 8-27-74, Cl. 260-455.00a.

Liebig, William J., to Meadox Medicals, Inc. Tubular grafts having indicia thereon. 3,805,301, 4-23-74, Cl. 3-1.000.

Liebl, Helmut, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Microbeam probe apparatus. 3,845,305, 10-29-74, Cl. 250-309.000.

Liebl, Helmuth; and Rasskopf, Klaus, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Mass spectrometer of high detection efficiency. 3,842,269, 10-15-74, Cl. 250-298.000.

Liebman, Alfred A.: *See*—
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Liebman, Theodore. Line synchronized strobe light. 3,845,349, 10-29-74, Cl. 315-200.00a.

Liebmann, John M.: *See*—
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Liebold, Gert: *See*—
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Liebowitz, Marvin; McHugh, Neil M.; and Cross, Henry D., III, to Colgate-Palmolive Company. Fabric softening. 3,822,145, 7-2-74, Cl. 117-139.50a.

Liebowitz, Marvin; and McHugh, Neil M., to Colgate-Palmolive Company. Fabric conditioning. 3,826,682, 7-30-74, Cl. 117-139.5cq.

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Lieder, Gaylerd M.; and Odom, Robert E., to Bemis Company Inc. Automatic bag shaping and bag top forming apparatus. 3,805,489, 4-23-74, Cl. 53-378.000.

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Liedtke, Heinz, to Schiess Aktiengesellschaft. Lifting device for lifting and lowering heavy loads. 3,791,229, 2-12-74, Cl. 74-128.000.

Liedtke, Kurt Willy: *See*—
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Liefeld, Gustav; and Kurvin, Charles, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Method and circuit arrangement for decoding and correcting information transmitted in a convolutional code. 3,842,400, 10-15-74, Cl. 340-146.1aq.

Lieferman, Harry A.; Ryan, Rufus E.; and Piehler, James R., to Standard Brands Incorporated. Starch paste apparatus. 3,830,473, 8-20-74, Cl. 259-8.000.

Lieffring, Gordon V., to Rolo-Wash, Inc. Vehicle wash apparatus. 3,793,663, 2-26-74, Cl. 15-21.00d.

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Lien, Erling L.; and Levin, Martin E., to Varian Associates. Electron collector having means for reducing secondary electron interference in a linear beam microwave tube. 3,806,755, 4-23-74, Cl. 315-5.380.

Lien, Erling L., to Varian Associates. Velocity modulation microwave tube employing a harmonic prebuncher for improved efficiency. 3,811,065, 5-14-74, Cl. 315-5.430.

Lien, Wallace A., to Becton, Dickinson Electronics Company. Keyboard switch assembly with movable, multi-contact means and associated swinger portions. 3,786,205, 1-15-74, Cl. 200-5.00a.

Lien, Wallace A.; and Pobog, Mathew, to Becton, Dickinson Electronics Company. Low profile keyboard switch assembly with snap action cantilever contact. 3,800,104, 3-26-74, Cl. 200-5.00a.

Lienau, Rainer; and Hofmann, Friedrich, to Sud-Chemie AG. Method for the production of concentrated hydrohalogen acids and metal oxides. 3,852,430, 12-3-74, Cl. 423-481.000.

Lienhard AG: *See*—
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Lienhard, Julius Caesar. Moving pivoted indicating target. 3,814,429, 6-4-74, Cl. 273-102.10e.

Liepa, Alexander L., to Procter & Gamble Company, The. Method of and apparatus for making substantially uniformly shaped flakes. 3,808,962, 5-7-74, Cl. 99-323.400.

Liepa, Alexander L.; and Slone, Thomas J., Sr., to Procter & Gamble Company, The. Creping process of preparing an improved meat analog. 3,840,679, 10-8-74, Cl. 426-104.000.

Liepa, Alexander Leon; and O'Connor, David Evans, to Procter & Gamble Company, The. Preparation of meat flavor concentrates from heat-treated slurried meat, water, and ascorbic acid. 3,846,568, 11-5-74, Cl. 426-364.000.

Liepelt, Klaus, to U.S. Philips Corporation. Frequency tuner of a resonator for a klystron. 3,787,748, 1-22-74, Cl. 315-5.460.

Lieser, Ernst; Ort, Wolfgang; Wisst, Otto; and Hopfner, Clemens, to Eastman Kodak Company. Exposure control apparatus. 3,852,777, 12-3-74, Cl. 354-49.000.

Lieser, Mathias J., to Stanray Corporation. Pilot valve 3,797,525, 3-19-74, Cl. 137-625.600.

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Lievremont, Henri; and Cominassi, Adolphe. Fire-retardant material or conglomerate containing filler consisting essentially of magnesium silicate. 3,813,356, 5-28-74, Cl. 260-2.50f.

Lif-O-Gen, Inc.: *See*—
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Lifferth, Henry R. Drive means. 3,850,042, 11-26-74, Cl. 74-84.000.

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Liggett, John V., to Kelsey-Hayes Company. Skid control system including cycling and checking circuit for plural modulating valves. 3,790,226, 2-5-74, Cl. 303-21.0af

Liggett, Thomas, to United States of America, Navy. Method for the manufacture of tetrakis (dimethylamino) ethylene. 3,824,289, 7-16-74, Cl. 260-583.00p.

Ligh, David R. Refuse compressor. 3,785,281, 1-15-74, Cl. 100-116.000.

Ligh, David R. Refuse compressor. 3,807,294, 4-30-74, Cl. 100-50.000.

Light, George S. Dynamic pressurized condensing method. 3,852,162, 12-3-74, Cl. 203-10.000.

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Light, Truman S.; and Doyle, Nicholas E., Jr., to Foxboro Company, The. Reference electrode construction. 3,806,439, 4-23-74, Cl. 204-195.00f.

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Lightgarn, Fred. Power actuated thermostatic switch. 3,840,837, 10-8-74, Cl. 337-366.000.

Lighthall, John T.; and Toy, Harry A., to GTE Automatic Electric (Canada) Ltd. Memory system including addressing arrangement. 3,855,580, 12-17-74, Cl. 340-173.00r.

Lighthall, John T.; and Toy, Harry A., to GTE Automatic Electric (Canada) Ltd. Read only memory system. 3,858,187, 12-31-74, Cl. 340-173.00r

Lighthipe, Charles H., Jr.; and Andrews, Robert R., to Morse Manufacturing Co., Inc. Grapple with semi-automatic latch. 3,790,204, 2-5-74, Cl. 294-110.00r.

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Lightner, Linn Stephen, to AMP Incorporated. Zero entry connector system. 3,848,222, 11-12-74, Cl. 339-75.00m.

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Ligon, Elmer R.; and Friley, Paul B., to Dickey, W. S., Clay Manufacturing Company. Fitting structure for pipe. 3,820,826, 6-28-74, Cl. 285-55.000.

Ligon, Elmer R.; and Reed, Norman D., to Dickey, W. S., Clay Manufacturing Company. Apparatus for forming pipe coupling. 3,825,392, 7-23-74, Cl. 425-387.000.

Ligones, Hubert: *See*—
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Lindahl, Sven H. B. Rotor for exchangers of the thermodynamic characteristics of two gas currents. 3,789,916, 2-5-74, Cl. 165-8.000.

Lindar, Richard C. Register mark punch system and method. 3,798,782, 3-26-74, Cl. 33-184.500.

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Lindbeck, Simon Lloyd: *See*—
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Lindberg, Allan W., to Emerson Electric Co. Electric induction motor and control system. 3,821,620, 6-28-74, Cl. 318-227.000.

Lindberg, Arne Robert. Determining and following a sedimentation level by optical measurement. 3,814,930, 6-4-74, Cl. 250-201.000.

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Lindberg, Bernt Jabes; and Kronberg, Sven Gunnar, to Pharmacia AB. Tetranicotinayl tris (hydroxymethyl)-aminometh. 3,794,654, 2-26-74, Cl. 260-295.50a.

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Lindberg, Frank A.; Ponemone, Seymour J.; Konsowski, Stephen G.; and Shamash, Maurice B., to Westinghouse Electric Corporation. Penetration of polyimide films. 3,820,994, 6-28-74, Cl. 96-36.000.

Lindberg, Fritz L. Screw-holding screwdriver with replaceable nib. 3,800,841, 4-2-74, Cl. 145-50.00e.

Lindberg, John E. Fire-wall and burn-through protection system. 3,818,469, 6-18-74, Cl. 340-229.000.

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Lindberg, Thyge L. Fluid filling system. 3,814,147, 6-4-74, Cl. 141-94.000.

Lindberg, Ulf Henrik Anders, to Aktiebolaget Astra. N-(phenylalkyl) -acylamide derivatives. 3,835,153, 9-10-74, Cl. 260-326.430.

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Lindbert, Brook A., to General Motors Corporation. Multi-position seat back adjuster and latch. 3,792,898, 2-19-74, Cl. 297-355.000.

Lindbert, Brook A.; McCollum, Wesley L.; and Mertz, Edward H., to General Motors Corporation. Occupant restraint system. 3,856,326, 12-24-74, Cl. 280-150.0ab.

Lindblad, Oskar. Safety belt arrangement for individuals. 3,822,760, 7-9-74, Cl. 180-82.00c.

Lindblom, Frank W., to Textron, Inc. Temple hinge spring. 3,829,200, 8-13-74, Cl. 351-113.000.

Lindblom, Georg; and Olsson, Karl-Erik, to Allmanna Svenska Elektriska Aktiebolaget. Thyristor rectifier for high voltage. 3,794,908, 2-26-74, Cl. 321-27.00r.

Lindblom, Georg; and Olsson, Karl-Erik, to Allmanna Svenska Elektriska Aktiebolaget. Control circuit for a thyristor. 3,821,564, 6-28-74, Cl. 307-252.00h.

Lindblom, K. Julius. System for regulating the height of the body of a vehicle above the ground and for inclining the vehicle laterally relative to the vehicle supporting means. 3,831,969, 8-27-74, Cl. 280-124.00f.

Lindbom, Torsten H., to Unimation, Inc. Air flow actuated overhead pickup device for limp sheet materials. 3,796,455, 3-12-74, Cl. 294-64.00r.

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Linde, John P., to Remington Arms Company, Inc. Firing mechanism for firearms. 3,808,724, 5-7-74, Cl. 42-42.00r.

Linde, Lars Hilding, to AB Bonnierforetagen. Device for shrinking a wrapper, consisting of a plastic sheeting shrinkable by heating, around a transport unit. 3,818,182, 6-18-74, Cl. 219-388.000.

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Lindell, Edward, to Lockheed Electronics Company, Inc. Ratioless MOS sense amplifier. 3,838,295, 9-24-74, Cl. 307-238.000.

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Lindeman, Richard Jay; and Pestka, John August. Panel mounting fastener. 3,811,154, 5-21-74, Cl. 24-73.00p.

Lindemann, Hans; and Lindemann, Wolfgang. Method and machine for scalping rod stock. 3,782,228, 1-1-74, Cl. 82-20.000.

Lindemann, Hans-Joachim. Electrocoagulation grasping forceps for tube sterilization by means of bipolar high frequency heat radiation. 3,831,607, 8-27-74, Cl. 128-303.170.

Lindemann, Hans-Joachim. Electrocoagulation-bougie for the intrauterine tube sterilization. 3,840,016, 10-8-74, Cl. 128-303.170.

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Lindemann, Martin K.; and Volpe, Rocco P., to Air Products and Chemicals, Inc., mesne. Aqueous paint compositions of vinyl acetate-ethylene copolymer latices. 3,844,990, 10-29-74, Cl. 260-17.00r.

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Linder, Ernst: *See*—
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Linder, Ernst; Adalbert, Gerhard; and Hess, Juergen, to Bosch, Robert, G.m.b.H. Valve arrangement for a compressor. 3,809,511, 5-7-74, Cl. 418-259.000.

Linder, Ernst; Zechnall, Richard; Wahl, Josef; and Schmidt, Peter Jurgen, to Bosch, Robert GmbH. Method and apparatus for removal of noxious compnents from the exhaust of internal combustion engines. 3,827,237, 8-6-74, Cl. 60-274.000.

Linder, Ernst; Adalbert, Gerhard; and Hess, Jurgen, to Bosch, Robert, GmbH. Rotor supporting arrangement for a compressor. 3,834,846, 9-10-74, Cl. 418-255.000.

Linder, Fritz. Substrate-containing test container. 3,849,256, 11-19-74, Cl. 195-139.000.

Linder, Jacques Francois, to Northrop Corporation. Method of forming circuit structures by photo etching-electroforming process. 3,786,542, 1-22-74, Cl. 29-25.170.

Linder, Jerome; Maravetz, Lester L. M.; Schmit, George N.; and Newman, Neil F., to Esso Research and Engineering Company. Process for the preparation of cyclopropylmethyl alkyl amines. 3,847,984, 11-12-74, Cl. 260-563.00r.

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Linder, Joseph; Sjostrand, Gerald D.; and Carter, Richard L., to Fibre Glass-Evercoat Company, Inc. Apparatus for dispensing plastic material from a container. 3,796,355, 3-12-74, Cl. 222-185.000.

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Lindgren, Carl R. Adjustable wrench. 3,857,308, 12-31-74, Cl. 81-157.000.

Lindgren, Erik A. Double isolated shielding enclosure. 3,783,174, 1-1-74, Cl. 174-35.0ms.

Lindgren, Erik A. Double isolated screen room. 3,790,696, 2-5-74, Cl. 174-35.0ms.

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Lindholm, Carl Einar; and Asbrink, Leif Gosta. Electron impact spectrometer with an improved source of monochromatic electrons. 3,806,728, 4-23-74, Cl. 250-305.000.

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Lindley, John M. Folding chair. 3,802,734, 4-9-74, Cl. 297-58.000.

Lindley, William L. Arrangement for tubeless tire. 3,814,159, 6-4-74, Cl. 152-158.000

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Lindner, Gisela, to Hulter, Heinr, Jr.; Firma. Permutation lock. 3,845,644, 11-5-74, Cl. 70-74.000.

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Lindsey, James C., to Cavalier Corporation. Vending machine having product level sensing switch and method of conversion of multi-column vending machines for conjoint operation of a least two columns. 3,831,806, 8-27-74, Cl. 221-1.000.

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Lindsey, William C.: *See—*
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Lindskog, Bertil Nils, to System Research, Inc. Apparatus for the laying and rolling out of coating or paving materials. 3,797,953, 3-19-74, Cl. 404-103.000.

Lindskog, Bo Gosta, to Sandvik Aktiebolag. Tool holder. 3,807,007, 4-30-74, Cl. 29-96.000.

Lindskog, Bo Gosta, to Sandvik Aktiebolag. Adjustable cutting tool. 3,808,656, 5-7-74, Cl. 29-106.000.

Lindskog, Per Folke; and Svensson, Lars-Erik, to Hoganas AB. Steel powder containing phosphorus. 3,836,355, 9-17-74, Cl. 75-.5ba.

Lindsley, John Francis: *See—*
Feins, Irvin Ralph; and Lindsley, John Francis, 3,853,788.

Lindsley, Warren F. B.: *See—*
Bemel, Milton M., 3,804,323.

Lindstaedt, Horst Karl: *See—*
Bossons, Walter Howard; Lindstaedt, Horst Karl; and Jones, Graham Robin Scott, 3,799,038.

Lindsten, George O., 30% to Lee, Raymond, Organization, Inc., The. Combination plier tool. 3,808,617, 5-7-74, Cl. 7-6.200.

Lindstol, Anders: *See—*
Wachsmuth, William A.; and Lindstol, Anders, 3,852,199.

Lindstrand, Bengt: *See—*
Netterstedt, Sture; and Lindstrand, Bengt, 3,789,181.

Lindstrand, Gary L.: *See—*
Allison, Rudolph L.; and Lindstrand, Gary L., 3,783,551.

Lindstrom, Bengt. Vehicle steering gear. 3,786,691, 1-22-74, Cl. 74-493.000.

Lindstrom, Bert A. Self-drilling and self-tapping fastener and method of manufacture thereof. 3,789,725, 2-5-74, Cl. 85-47.000.

Lindstrom, Jan Nils; Jonsson, Bo Folke; and Ohlsson, Fall Johan Olof William, to Sandvik Aktiebolag (a/k/a Sandvikens Jernverks Aktiebolag). Sintered cemented carbide body coated with two layers. 3,837,896, 9-24-74, Cl. 117-70.00a.

Lindstrom, Olle B., to Svenska Utvecklingsaktiebolaget. Auxiliary electrolyte system. 3,801,376, 4-2-74, Cl. 136-160.000.

Lindstrom, Olle B., to Svenska Utvecklingsaktiebolaget. Method of making a porous electrode for electrochemical cells. 3,802,878, 4-9-74, Cl. 75-208.00r.

Lindstrom, Roald E.: *See—*
Elges, Carl H., III; Hasket, Philip R.; Bauer, Donald J.; and Lindstrom, Roald E., 3,784,669.
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Lindstrom, Stig Osten: *See—*
Henriksson, Sten Tycho; and Lindstrom, Stig Osten, 3,793,441.

Lindwall, Richard C.; and Crocker, Richard E., to Atlantic Richfield Company. Apparatus for chlorinating saturated hydrocarbons. 3,845,317, 10-29-74, Cl. 250-527.000.

Lindwedel, James H.; Bornschein, Clifford A.; and Devine, John, to United States of America, Air Force. Temporature cycling device. 3,807,216, 4-30-74, Cl. 73-15.00r.

Lindzy, Leo K. Precision tool for cabochons and jewelry. 3,849,945, 11-26-74, Cl. 51-229.000.

Line, Gerald D., to Eaton Corporation. Mechanical valve lash adjuster. 3,818,879, 6-25-74, Cl. 123-90.540.

Linear Devices Inc.: *See—*
Baker, Donald O., 3,828,435.

Linebrink, Kail L.; and Stearns, Charles F., to United Aircraft Corporation. Fuel control. 3,782,109, 1-1-74, Cl. 60-39.28t

Linehan, John H.; and Jaskolski, Stanley V. Electrically non-conductive hospital bed. 3,793,652, 2-26-74, Cl. 5-63.000.

Linehan, John J.: *See—*
Bajcar, Miles S.; Wallace, Gary Leonard; and Linehan, John J., 3,834,515.

Linenfelser, Carl J., to Brooklyn Products, Inc. Combination scrubbing and wiping sponge. 3,857,133, 12-31-74, Cl. 15-118.000.

Liner, Jerome C. Device for preparing elemental carbon enriched in carbon-13. 3,796,545, 3-12-74, Cl. 23-259.500.

Lines, Gregory L.: *See—*
Chung, Tae H.; Dillon, Michael L.; and Lines, Gregory L., 3,856,862.

Lines, Raydon A., to Proline Industries Pty., Ltd. Hydraulic jointing press. 3,786,669, 1-22-74, Cl. 72-453.000.

Lines, Raydon A., to Proline Industries Pty. Ltd. Hydraulically operated tamper. 3,857,448, 12-31-74, Cl. 173-134.000.

Lines, Raydon Ayers. Control for radial type pumps of the like. 3,827,831, 7-6-74, Cl. 417-273.000.

Lines, Richard J.: *See—*
Lewis, Richard W.; and Lines, Richard J., 3,852,415.

Lines, Walter M.; Alsop, Alfred N.; and Ross, Edgar A. Wheeled trolley. 3,848,884, 11-19-74, Cl. 280-36.00b.

Linfield Research Institute: *See—*
Swanson, Lynwood W., 3,817,592.

Linfield, Robert F.: *See—*
Jackson, Edward J.; and Linfield, Robert F., 3,796,957.

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Linforth, William J.: *See—*
Doc, Ewart H.; and Linforth, William J., 3,856,197.

Ling, Bernt: *See—*
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Ling, Jack A.; and Clem, Dennis W., to Goodyear Tire & Rubber Company, The. Tire building drum. 3,785,894, 1-15-74, Cl. 156-415.000.

Ling, Manfred, to Triumph Werke Nuernberg, A.G. Shift mechanism. 3,842,958, 10-22-74, Cl. 197-18.000.

Ling, Robin Sydney Mackwood; and Lee, Alan John Clive, to National Research Development Corporation. Prosthetic bone joint having a spacer device. 3,793,650, 2-26-74, Cl. 3-1.000.

Ling, Robin Sydney Mackwood; and Lee, Alan John Clive, to National Research Development Corporation. Hip joint prostheses. 3,829,904, 8-20-74, Cl. 3-1.000.

Ling, Robin Sydney Mackwood; and Lee, Alan John Clive, to National Research Development Corporation. Retractor for hip joint surgery. 3,840,014, 10-8-74, Cl. 128-303.00r.

Ling, Ting H.; Wade, Robert M.; and Solomon, Marwich, H., to Anaconda Company, The, mesne. Semiconducting composition of chlorinated polyolefin, ethylene ethyl acrylate and semiconducting carbon black. 3,836,482, 9-17-74, Cl. 252-511.000.

Lingaraju, Bhartoor, to Rodale Manufacturing Co., Inc. Grounding connection for electrical unit. 3,784,953, 1-8-74, Cl. 339-14.00r.

Lingberg, Gunnar: *See—*
Breitholtz, Claes; and Lingberg, Gunnar, 3,799,339.

Lingemann, Heinz, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Apparatus for forming packaged coils of wire. 3,788,210, 1-29-74, Cl. 100-7.000.

Lingenfelder, Paul G.; and Fox, Jerry D., to United States of America, Navy, mesne. Beam doubler. 3,844,638, 10-29-74, Cl. 350-171.000.

Lingenfelter, Guy E.: *See—*
Lane, James Murray, III; and Lingenfelter, Guy E., 3,853,016.
Lane, James Murray, III; and Lingenfelter, Guy E., 3,854,272.

Lingenfelter, Robert C., to Westinghouse Electric Corporation. Tap changing apparatus with improved contact structure to eliminate electrical fields across open interrupter switches. 3,783,206, 1-1-74, Cl. 200-11.0tc.

Lingenfelter, Robert C.; and Sabella, Andrew, to Westinghouse Electric Corporation. Vacuum switch with toggle assembly operating mechanism. 3,852,553, 12-3-74, Cl. 200-153.00g.

Lingenhohle, Bernard; and Saupe, Martin, to Kaltenbach & Voigt. Dental handpiece with built-in coolant uuct. 3,815,241, 6-11-74, Cl. 32-28.000.

Lingens, Paul; and Martin, Gerhard, to Dynamit Nobel Aktiengesellschaft. Defined disintegration of the casing of an explosive element. 3,782,283, 1-1-74, Cl. 102-23.000.

Lingens, Paul; and Martin, Gerhard, to Dynamit Nobel Aktiengesellschaft. Explosive charge with improved fragmentation effect. 3,786,752, 1-22-74, Cl. 102-24.00r.

Lingeri, Antonio: *See—*
Maquignaz, Mario; Benedetto, Bruno; and Lingeri, Antonio, 3,804,006.

Lingl Corporation: *See—*
Lingl, Hans, 3,849,228.
Schwarz, Josef, 3,825,293.

Lingl, Hans. Apparatus for prefabricating vertical wall panels from blocks. 3,790,428, 2-5-74, Cl. 156-559.000

Lingl, Hans, to Lingl Corporation. Method and apparatus to construct wall panels. 3,849,228, 11-19-74, Cl. 156-297.000.

Lingnau, Josef, to Gestra-KSB Vertriebsgesellschaft mbH & Co. Kommanditgesellschaft. Method of making a pressure actuated control device. 3,844,025, 10-29-74, Cl. 29-482.000.

Lingo, Inc.: *See—*
Lingo, John E., Jr., 3,826,223.

Lingo, John E., Jr., to Lingo, Inc. Halyard silencing clasp. 3,826,223, 7-30-74, Cl. 116-174.000.

Linguenheld, Louis: *See—*
Dumoulin, Jean; and Linguenheld, Louis, 3,821,154.

Linhardt, Hans D., to Air Reduction Company, Incorporated. Hot gas heat exchanger. 3,799,249, 3-26-74, Cl. 165-60.000.

Linhari, Harry M., to Westinghouse Air Brake Company. Manually operable apparatus for cut-out of brake pipe pressure maintaining. 3,799,624, 3-26-74, Cl. 303-66.000.

Linhart, Helmut; and Mueller, Helmut, to Ciba-Geigy Corporation. Stabilising of polyamides. 3,787,355, 1-22-74, Cl. 260-45.75r.

Linhart, James T.; Crosswell, Flay D.; and Galbreath, Gerald W. Cargo deflector panel. 3,848,920, 11-19-74, Cl. 296-106.000.

Linhart, Samuel B., to United States of America, Interior. Control of vampire bats. 3,818,100, 6-18-74, Cl. 424-281.000.

Linick, Richard. Extensible toilet tissue roll holder. 3,834,636, 9-10-74, Cl. 242-55.200.

Link, Donald A.; and Williams, Fred H., to Cutler-Hammer, Inc. Electric circuit breakers. 3,849,751, 11-19-74, Cl. 337-59.000.

Link, Donald F. Device for removing articles from a shaft. 3,810,294, 5-14-74, Cl. 29-261.000.

Link, Edwin A. Vacuum interrupter. 3,806,680, 4-23-74, Cl. 200-144.00b.

Link, Edwin A., to RTE Corporation. Current limiting sand fuse. 3,840,836, 10-8-74, Cl. 337-292.000.

Link, Ernest A.; and Scarbel, Marcel P., to General Electric Company. Process for forming a free-flowing particulate polymer mixture for a viscous tacky polymer. 3,824,208, 7-16-74, Cl. 260-37.0sb.

Link, Helmut D., to Link, Waldemar. Prosthetic device for the tarsal joint. 3,839,742, 10-8-74, Cl. 3-1.000.

Link, James H.: *See—*
Watts, Jess L.; and Link, James H., 3,807,764.

Link, James H.; and Watts, Jess L. Antijacknifing device. 3,850,449, 11-26-74, Cl. 280-432.000.

Link, Joseph J., Jr.; and Marsh, Gale D., to Bethlehem Steel Corporation. Method of deoxidizing and desulfurizing ferrous alloy with rare earth additions. 3,816,103, 6-11-74, Cl. 75-58.000.

Link, Martin, to Johnson & Johnson. Skin prepping set for surgical procedures. 3,795,309, 3-5-74, Cl. 206-223.000.

Link, Otmar: *See—*
Lesk, Adolf; Baumann, Rudolf; and Link, Otmar, 3,811,248.

Link, Waldemar: *See—*
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Link, William T.: *See—*
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Link, Wolfgang: *See—*
Schmidhuber, Klaus; Link, Wolfgang; and Sturm, Heribert, 3,804,337.

Linke, Dietrich: *See—*
Reinecke, Gunter; and Linke, Dietrich, 3,820,300.

Linke, Frank D., Sr. Fishing line spool holder. 3,830,007, 8-20-74, Cl. 43-25.000.

Linke, Siegfried; Sitt, Rudiger; Horstmann, Harald; and Meng, Karl, to Bayer Aktiengesellschaft. Certain 3,4,5-triphenyl thiazol-2-ones. 3,787,431, 1-22-74, Cl. 260-306.700.

Linke, Siegfried. Magnetic head having guide surfaces for the magnetic recording medium made of ceramic material. 3,812,536, 5-21-74, Cl. 360-122.000.

Linkemer, Bernard; Michelson, Larry; and Beall, Glenn L. Small article dispenser and counter. 3,823,844, 7-16-74, Cl. 221-13.000.

Linker, Edward A.; and Lepeer, Clarence M., to Chartmakers, Incorporated, The. Shelf display planning kit. 3,797,135, 3-19-74, Cl. 35-53.000.

Linker Machines, Inc.: *See—*
Berg, Rudolph; Bantel, Otto; and Taylor, Howard D., 3,840,937.

Linkletter, Robert P. Safety dispensing device. 3,828,981, 8-13-74, Cl. 222-153.000.

Linko, Peter J.; and Treece, William D., to General Electric Company. Method for fabricating a hollow blade. 3,825,984, 7-30-74, Cl. 29-156.80h.

Linkous, Clovis E., to General Electric Company. Thermally protectable multispeed motor. 3,821,602, 6-28-74, Cl. 317-13.00b.

Linkov, Alexei Dmitrievich: *See—*
Liakumovich, Alexandr Grigorievich; Linkov, Alexei Dmitrievich; Rutman, Grigory Iosifovich; Michurov, Jury Ivanovich; Belgorodsky, Izrail Markovich; Sire, Efim Moiseevich; and Pantukh, Boris Izrailevich, 3,804,911.

Linkow, Leonard I., to Oratronics, Incorporated. Bone adapting tissue packing post system. 3,849,888, 11-26-74, Cl. 32-10.00a.

Links, Heinz; and Kuschmierz, Heinz, to Bosch, Robert, G.m.b.H. Fuel injection apparatus for internal combustion engines. 3,796,205, 3j12-74, Cl. 123-139.00e.

Links, Heinz, to Bosch, Robert, G.m.b.H. Pump-and-nozzle assembly for injecting fuel in internal combustion engines. 3,796,206, 3-12-74, Cl. 123-139.00e.

Links, Heinz, to Bosch, Robert, G.m.b.H. Fuel injection apparatus for internal combustion engines. 3,835,829, 9-17-74, Cl. 123-139.00r.

Links, Heinz, to Bosch, Robert, G.m.b.H. Fuel injection system for internal combustion engines. 3,837,324, 9-24-74, Cl. 123-139.00e.

Linley, Bruce N. Leather stripping guide. 3,802,076, 4-9-74, Cl. 30-293.000.

Linley, Francis M., Jr. Anti-backlash nut. 3,831,460, 8-27-74, Cl. 74-459.000.

Linn, Bruce O.: *See—*
Fisher, Michael H.; Linn, Bruce O.; and Bochis, Richard J., 3,839,347.

Linn, Bruce O., to Merck & Co., Inc. Novel chemical compounds and processes for preparing same. 3,816,530, 6-11-74, Cl. 260-564.00f.

Linn, Bruce O., to Merck & Co. Inc. Anticoccidial composition containing guanidine derivatives. 3,856,975, 12-24-74, Cl. 424-304.000.

Linn, Donald F.; Bush, Carl D.; and Taylor, Frederick P., to Lipe Rollway Corporation. Sealed oil filled clutch with brake means to inhibit rotation upon disengagement. 3,833,099, 9-3-74, Cl. 192-13.00r.

Linn, Donald Floyd; and Plourde, James Kevin, to Bell Telephone Laboratories, Incorporated. Temperature-stable dielectric resonator filters for stripline. 3,840,828, 10-8-74, Cl. 333-73.00s.

Linn, John C.: *See—*
Ranatza, Samuel; and Linn, John C., 3,812,344.

Linn, Thomas Daniel; Klauser, John George; Jordan, Alexander; and Tikijian, George Haig, to Union Carbide Corporation. Numarial control system and method for variable shape programming and control of machine motion. 3,812,474, 5-21-74, Cl. 340-172.500.

Linn, Wallace Leon. Engine. 3,812,827, 5-28-74, Cl. 123-8.010.

Linnecar, Trevor Paul Richard, to U.S. Philips Corporation. H. F. electrical signal reception with two wire line carrying power, control, and information signals. 3,839,676, 10-1-74, Cl. 325-394.000.

Linneen, Jack M.: *See—*
Neely, Tom D.; and Linneen, Jack M., 3,831,712.

Linner, Leslie Richard, to Honeywell Inc. Radiation detection system with fail safe feature. 3,790,800, 2-5-74, Cl. 252-372.000.

Linnert, Hans: *See—*
Weigel, Georg; and Linnert, Hans, 3,808,562.

Linnert, Hans, Muller, Walter; and Weigel, Georg, to Transformatoren Union Aktiengesellschaft. Filter choke for high electrical voltages and large outputs. 3,818,400, 6-18-74, Cl. 336-58.000.

Linning, David Lees. Indicators for indicating accelerations in sports equipment which are swung in use. 3,848,873, 11-19-74, Cl. 273-186.00a.

Linolite Limited: *See—*
Bluttell, Victor Frederick, 3,792,247.

Lins, William F.: *See—*
Lee, Richard A.; and Lins, William F., 3,828,170.

Linsay, Michael, to Allied Steel & Tractor Products, Incorporated. Advancement device for a horizontal earth boring machine. 3,807,509, 4-30-74, Cl. 173-152.000.

Linscheer, Wilem G.: *See—*
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Linsin, Russell J.: *See—*
Harrell, Bob G.; Wenta, Peter J.; and Linsin, Russell J., 3,813,743.

Linsley, E. Partridge. Stair ascending or descending cart. 3,836,160, 9-17-74, Cl. 280-5.320.

Linsley, John W., Jr.: *See—*
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Linstedt, Hans: *See—*
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L'Institut de Researches Ecomoniques et Sociales: *See—*
Mandel, Marc Jean-Christophe Noel, 3,828,446.

Linstromberg, William J., to Whirlpool Corporation. Domestic ice maker and defrost timer. 3,855,812, 12-24-74, Cl. 62-135.000.

Linstruth, Charles A., to Van Straaten Chemical Company. Magnetic separator and conveyor. 3,834,542, 9-10-74, Cl. 210-222.000.

Lintelmann, Willy; and Frey, Peter J. Battery operated surveillance device. 3,846,773, 11-5-74, Cl. 340-237.000.

Lintner, Michael A.; and Long, Louis, Jr., to United States of America, Army. p-[1-(Nonylthio)ethyl]benzenesulfonates. 3,813,431, 5-28-74, Cl. 260-505.00r.

Linton, John C., and Berry, Gordon W., to Fuse Indicator Corporation. Blown fuse indicators. 3,794,948, 2-26-74, Cl. 337-242.000.

Linton, Richard H.: *See—*
Benante, Joseph F.; Donofrio, Nicholas M.; and Linton, Richard H., 3,795,859.

De Simone, Roy R.; Donofrio, Nicholas M.; Linton, Richard H.; Sonoda, George; and Wade, William T., 3,836,892.

Linturn, Patrick John, to Ilford Limited. Production of X-ray intensifying screens. 3,839,069, 10-1-74, Cl. 117-33.50r.

Lintvedt, Vernon L.: *See—*
Clay, John P.; and Lintvedt, Vernon L., 3,806,391.

Lintzenich, Vincent G., to Shell Oil Company. Lubricant compositions containing phosphoramidate derivatives. 3,846,317, 11-5-74, Cl. 252-46.700.

Linville, Creath Q. Preparation of an additive for alcoholic beverages. 3,812,272, 5-21-74, Cl. 426-380.000.

Linz, Albert. Vehicle mounted vibratory compactor. 3,834,827, 9-10-74, Cl. 404-133.000.

Linz, Arthur: *See—*
Naiman, Charles S.; Chicklis, E. P.; and Linz, Arthur, 3,833,805.

Linz, Hans: *See—*
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Linza Ltd.: *See—*
Wicht, Paul; and Volken, Kurt, 3,833,530.

Linzer, Frederick D.; and Price, Harold M. Mid-stream urine specimen and fractional fluid collectors. 3,830,107, 8-20-74, Cl. 73-421.00r.

Lion Fat & Oil Co., Ltd.: *See—*
Jackson, Ronnie Devell, 3,839,548.
Kashiwa, Ichiro; and Nakano, Hiroshi, 3,793,219.
Kuwamura, Hideaki; Kashiwa, Ichiro; Hirabayashi, Takashi; and Tamura, Tadayoshi, 3,849,346.
Mitsuoka, Shigeru; Kaneko, Tadasaburoh; and Igarashi, Tetsuo, 3,834,970.
Murakami, Keiichi; Hoshi, Hiroshi; Hirakawa, Michio; and Susuki, Rinnosuke, 3,825,656.
Okazaki, Nurikazu; and Miyamura, Akio, 3,793,196.
Okumura, Osamu; Sakatani, Takenobu; and Nagayama, Masuzo, 3,819,718.
Sugesawa, Hiroshi; and Araki, Shinichi, 3,807,621.
Susuki, Rinnosuke; Hoshi, Hiroshi; and Umeya, Kaoru, 3,788,919.
Susuki, Rinnosuke; Hoshi, Hiroshi; Saito, Jiro; Murakami, Keiichi; and Ito, Humio, 3,816,575.
Susuki, Rinnosuke; Tanimori, Syuhei; Toyoda, Sadao; and Ogoshi, Toshiaki, 3,839,391.
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Yamaguchi, Tadashi; Hoshi, Hiroshi; and Hirakawa, Michio, 3,808,174.
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Lion, Jean-Jacques: *See—*
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Lion Precision Corporation: *See—*
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Lion Yushi Kabushiki Kaisha: *See—*
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Lionetti, Fabian J.: *See—*
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Lipani, Anthony Frank: *See—*
Berg, Allen Clark; Forgensi, Rudolph; and Lipani, Anthony Frank, 3,839,029.

Lipari, Dominic Timothy, to Bell Telephone Laboratories, Incorporated. Torque testing screwdriver with automatic torque indicating means. 3,783,682, 1-8-74, Cl. 73-139.000.

Lipe, Bruce R., to Allis-Chalmers Corporation. Universal in line and end suction pump arrangement. 3,791,760, 2-12-74, Cl. 415-121.000.

Lipe, Gordon C.; and Abbott, William S. Audio-visual warning system. 3,786,498, 1-15-74, Cl. 340-371.000.

Lipe Rollway Corporation: *See—*
Armstrong, Jack W., 3,805,935.
Heanue, Paul T., 3,787,914.
Heanue, Paul T., 3,817,404.
Hesslein, Robert J.; Chamberlin, Robert W.; and Lanphere, Gerald B., 3,820,668.
Linn, Donald F.; Bush, Carl D.; and Taylor, Frederick P., 3,833,099.
Mead, Dennis E., 3,789,711.
Mead, Dennis E., 3,841,471.

Lipert, Donald Ernest, to Deres Development Corporation. Mechanical support system. 3,790,150, 2-5-74, Cl. 267-151.000.

Lipha, Lyonnaise Industrielle Pharmaceutique: *See—*
Boschetti, Eugene; Molho, Darius; and Fontaine, Louis, 3,828,095.
Szarvasi, Etienne; and Fontaine, Louis, 3,847,911.

Lipinski, John M.: *See—*

Stump, Paul W.; Huber, James A.; and Lipinski, John M., 3,783,908.

Lipinski, Richard D.; and Hagood, Raymond E., to Motorola, Inc. Mechanical audio coupling device. 3,851,123, 11-26-74, Cl. 179-182.00r.

Lipke, Donald L.: *See—*
Tann, Lewis H.; Carroll, Robert J.; and Lipke, Donald L., 3,855,708.

Lipke, Ronald D.: *See—*
Janzow, Lester G.; and Lipke, Ronald D., 3,815,818.

Lipkin, Edward: *See—*
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Lipman, Stephen C.: *See—*
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Lipodaev, Vladimir Nikolaevich: *See—*
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Lipoma, Samuel P. Liquid treatment and extraction apparatus. 3,793,937, 2-26-74, Cl. 99-355.000.

Lipoma, Samuel P. Cooling food products. 3,831,389, 8-27-74, Cl. 62-63.000.

Lipowski, Stanley A., to Diamond Shamrock Corporation. Mono primary polyamine and organic dihalide modified, epoxidized polyamide for paper wet strength resin. 3,793,279, 2-19-74, Cl. 260-29.2ep.

Lipp, Alfred, to Elektroschmelzwerk Kempten GmbH. Sintered refractory material. 3,813,252, 5-28-74, Cl. 252-520.000.

Lipp, Alfred; and Kratel, Gunter, to Elektroschmelzwerk Kempten GmbH. Process for the production of metal coatings. 3,844,910, 10-29-74, Cl. 204-45.00r.

Lipp, James: *See—*
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Lipp, James P., to Honeywell Information Systems, Inc. Magnetic storage system using alternate codes to reduce write current bias. 3,792,454, 2-12-74, Cl. 340-174.10g.

Lipp, Richard E.; and Paris, Raymond J., to Teledyne Mid-America Corporation. Transformer terminal connector. 3,808,587, 4-30-74, Cl. 339-198.00r.

Lipp, Robert J.: *See—*
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Lipp, Xaver, to Silo Verfahrens AG. Apparatus for and a method of joining the edges of two sheet portions together. 3,838,498, 10-1-74, Cl. 29-509.000.

Lippay, Raymond R.; and Kolas, Walter A. Circulation of lubricant of an internal combustion engine prior to start-up. 3,842,937, 10-22-74, Cl. 184-6.300.

Lippeck, Franz: *See—*
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Lippeck, Irmgard: *See—*
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Lipper, Ray W., to Center Line Tool Co., Inc. Automotive wheel. 3,826,538, 7-30-74, Cl. 301-63.0dd.

Lippert, Axel. *See—*
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Lippert, Thomas E.; Beristain, Charles D.; and Testa, Michael, to Westinghouse Electric Corporation. System for treating dilute slurries. 3,796,317, 3-12-74, Cl. 210-386.000.

Lippert, Werner; Bernt, Erich; Gruber, Wolfgang; and Bergmeyer, Hans Ulrich, to Boehringer Mannheim GmbH. Standard solution of glycerol. 3,838,065, 9-24-74, Cl. 252-408.000.

Lippincott, Ellwood B. Method of forming an illustration or picture. 3,799,819, 3-26-74, Cl. 156-63.000.

Lippisch, Alexander M. Ground effect flying surface. 3,830,179, 8-20-74, Cl. 114-67.00r.

Lippisch, Alexander M. Aero skimmer. 3,830,448, 8-20-74, Cl. 244-2.000.

Lippisch, Guillermo W., to Junkunc Bros. American Lock Company. Padlock and key cylinder release. 3,793,856, 2-26-74, Cl. 70-38.00a.

Lippisch, Guillermo W., to Junkunc Bros. American Lock Company. Security padlock. 3,835,675, 9-17-74, Cl. 70-38.00a.

Lippitsch, Josef: *See—*
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Lippitsch, Josef, to Waagner-Biro Aktiengesellschaft. Tubular heat exchanger with stress-relieving structure. 3,822,741, 7-9-74, Cl. 165-83.000.

Lippke, Paul; deceased (by Hiemke, Rudolph). Device for checking movable webs of paper, synthetic material, metal foils, and the like. 3,821,557, 6-28-74, Cl. 250-572.000.

Lippke Paul; deceased (by Hiemke, Rudolf; executor). Device for measuring physical properties of a moving web. 3,823,371, 7-9-74, Cl. 162-263.000.

Lippke, Paul. Device for checking moving webs of paper or the like, relative to flows. 3,842,668, 10-22-74, Cl. 73-159.000.

Lippke, Paul R.; deceased (by Hiemke, Rudolf; executor). Device for electro-optically ascertaining holes in moving webs. 3,812,348, 5-21-74, Cl. 250-561.000.

Lippman, Aaron H., to Brainerd Manufacturing Co. Door lock. 3,788,107, 1-29-74, Cl. 70-93.000.

Lippman, Jordan H., to Harwood Mfg. Co. Movie film reel and cover. 3,802,106, 4-9-74, Cl. 40-309.000.

Lippmann, Hans Joachim: *See—*
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Lippold, Herbert, to Maschinefabrik Hennecke GmbH. Mould for use in filling of hollow bodies with foam and for the production of hard-foam articles. 3,801,059, 4-2-74, Cl. 249-134.000.

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Lipps, Edwin Alvin Method of making a magnetic recording head. 3,840,984, 10-15-74, Cl. 29-603.000.

Lippy Can Co., Ltd: *See—*
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Lipschutz, Paul; and Leroy, Jean, to Societe d'Exploitation des Brevets Neiman. Anti-theft devices. 3,782,493, 1-1-74, Cl. 180-114.000.

Lipschutz, Paul, to Societe d'Exploitation des Brevets Neiman. Steering-shaft lock for automotive vehicles. 3,795,122, 3-5-74, Cl. 70-182.000.

Lipschutz, Paul, to Societe d'Exploitation des Brevets Neiman Electric multi-position switch. 3,819,887, 6-25-74, Cl. 200-44.000.

Lipschutz, Paul, to Societe d'Exploitation des Brevets Neiman. Cylinder lock. 3,855,829, 12-24-74, Cl. 70-362.000.

Lipscomb, Charles A., Jr; and Smith, Treva M., to United States of America, Navy. Process for promoting an oxide for use in a pyrotechnic composition. 3,821,120, 6-28-74, Cl. 252-186.000

Lipscomb, David J., to Lockheed Aircraft Corporation. Leak detection coating for aircraft flexible fuel cells. 3,856,465, 12-24-74, Cl. 23-230.00l.

Lipscomb, Otto Mack, Jr., to American Cyanamid Company. Barrier coating composition comprising acrylamide and styrene polymers for cellulose webs. 3,808,161, 4-30-74, Cl. 260-17.4st.

Lipshits, Viktor Senderovich, Andrianov, Vladimir Rubenovich, Rykalin, Nikolai Nikolaevich; Krasnev, Tibor Ferentsevich, Podola, Nikolai Vasilievich, and Krivonos, Vadim Petrovich Machine for continuous flash butt-welding of parts. 3,790,739, 2-5-74, Cl. 19-97.000.

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Lipson, Herbert G. Sealable container for liquid flotation of cast-bound limbs. 3,785,374, 1-15-74, Cl. 128-82.000.

Lipson, Herbert G. Temporary inflatable cast. 3,785,375, 1-15-74, Cl. 128-82.100.

Lipson, Richard L. Apparatus for controlling the attitude of a knee joint during surgery. 3,802,692, 4-9-74, Cl. 269-325.000.

Lipstein, Norman J., to General Electric Company Method for purging dip forming crucible environment. 3,813,260, 5-28-74, Cl. 117-114.00r.

Liptak, Neil R.; and Echerd, Beno E., to Caterpillar Tractor Company. Retractable ladder. 3,826,337, 7-30-74, Cl. 182-91.000

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Lishevskaya, Marina Osipovna; Virnik, Alexandr Davidovich; Gabrielian, Genrikh Aramaisovich; Rogovin, Zakhar Alexandrovich; Borbat, Vladimir Fedorovich; Orlov, Alexandr Mikhailovich; Ferberg, Mirriam Borisovna; and Markelova, Nina Ivanovna. Graft copolymer of cellulose and polyacrylthioamide method of their production and application. 3,821,137, 6-28-74, Cl. 260-17.4gc.
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List, Harold A.; and Baker, Jack H., to Bethlehem Steel Corporation. Rolling mill force measuring apparatus. 3,791,204, 2-12-74, Cl. 73-88.50r.
List, Harold A.; and Baker, Jack H., to Bethlehem Steel Corporation. Automatic dry coke weight system. 3,814,914, 6-4-74, Cl. 235-151.100.
List, Herbert A., to List Industries, Inc. Storage locker. 3,819,246, 6-25-74, Cl. 312-257.0sk.
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List, William F., to Westinghouse Electric Corporation. Energy conversion apparatus. 3,846,028, 11-5-74, Cl. 356-218.000.
List, William G. Truss carrier. 3,854,615, 12-17-74, Cl. 214-501.000.
Lista, Edwin L., to Aerojet-General Corporation. Solid porous, coated oxidizer, method of preparation and novel propellant compositions. 3,830,672, 8-20-74, Cl. 149-7.000.
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Lister, John W., to General Electric Company. Convergence device for short neck in-line cathode ray tube. 3,793,602, 2-19-74, Cl. 335-212.000.
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Liston, Max D., to Abbott Laboratories. Spectrophotometer using plural filters. 3,833,304, 9-3-74, Cl. 356-184.000.
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Litchford, George B., to Litchstreet Co. Proximity indication with range and bearing measurement. 3,858,211, 12-31-74, Cl. 343-16.00r.
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Litke, Alvin Carl, to Allied Chemical Corporation. High strength liquid metallized azo colorants. 3,829,287, 8-13-74, Cl. 8-42.00r.
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Litman, Alan L.; Eisenstat, Norman C.; and Horowitz, Don R. Combined fire and burglar alarm. 3,805,257, 4-16-74, Cl. 340-219.000.
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Little, John C.; Teot, Arthur S.; and Harris, Robert F., to Dow Chemical Company, The. Environmentally compatible laundry detergent. 3,819,538, 6-25-74, Cl. 252-527.000.
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Lobel, Stanley. Meat treating appliance. 3,857,254, 12-31-74, Cl. 62-373.000.
Lobenhofer, Anna: *See—*
Lobenhofer, Gerhard, deceased, 3,818,350.
Lobenhofer, Gerhard, deceased (by Lobenhofer, Anna; Mauracher, Annemarie; heiresses; and Beifuss, Dieter), to Licentia Patent-Verwaltungs-G.m.b.H. Tuning arrangement. 3,818,350, 6-18-74, Cl. 325-445.000.
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Lobmeier, Albert; and Albrecht, Georg. Shoes or overshoes. 3,805,417, 4-23-74, Cl. 36-32.00r.
Lobmeier, Albert X. Applicator car for flowable material. 3,804,696, 4-16-74, Cl. 156-499.000.
Loboda, Jon A.: *See—*
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Locher, Benjamin Carter. Amphibious bicycle. 3,844,246, 10-29-74, Cl. 115-2.000.
Locher, Johannes: *See—*
Arnold, Winfried; and Locher, Johannes, 3,831,495.
Locher, Johannes; Schonart, Edgar; and Adler, Karl-Heinz, to Bosch, Robert, G.m.b.H. Electronic regulator with fuel injection control for diesel engines. 3,796,197, 3-12-74, Cl. 123-32.0ea.
Locher, Otto: *See—*
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Locher, Otto; Haag, Franz; and Bongartz, Paul, to Heimo Gerattbau Gesellschaft mit beschrankter Haftung. Spraying and smoke-la-ing apparatus. 3,855,148, 12-17-74, Cl. 252-359.0cg.
Lochet, Jean A.: *See—*
Bick, Maurice; and Lochet, Jean A., 3,783,111.
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Lochmann, Heinz. Actuating mechanism for disk brake. 3,814,217, 6-4-74, Cl. 188-72.800.
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Lochner, Fritz; and Reuther, Hansjorg, to Wacker-Chemie GmbH. Catalysts and process for α-olefin polymerization. 3,808,188, 4-30-74, Cl. 260-94.90c.
Lochner, Herbert, to Cikalon-Vliesstoffwerk G.m.b.H. Varicolored ornamentally designed needled non-woven fabrics. 3,794,553, 2-26-74, Cl. 161-148.000.
Lochridge, Joe C.: *See—*
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Lock, Jonathan, Limited: *See—*
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Lock, William E. Machine for testing and straightening arrows. 3,846,998, 11-12-74, Cl. 72-34.000.
Lockard, Joseph L., to AMP Incorporated. Multiple position slide switch assembly with auxiliary switch deactivated by controller in extreme position. 3,843,852, 10-22-74, Cl. 200-16.00d.
Lockard, Joseph Larue; and Rose, William Henry, to AMP Incorporated. Sealed thumbwheel selector switch. 3,809,830, 5-7-74, Cl. 200-11.0tw.
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Lockard, Joseph Larue; and Rose, William Henry, to AMP Incorporated. Slide switch with individual slide operations. 3,849,610, 11-19-74, Cl. 200-5.00r.
Lockard, Joseph Larue, to AMP Incorporated. Operating means for hermetically sealed double-throw double-pole switch. 3,858,012, 12-31-74, Cl. 200-16.00d.
Locke, David R., to Sperry Rand Corporation. Shaver cutter head. 3,810,306, 5-14-74, Cl. 30-43.920.
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Locke, Edward V.; Zar, Jacob L.; and Hella, Richard A., to Avco Corporation. Thermally stable laser resonator support assembly. 3,808,553, 4-30-74, Cl. 331-94.500.
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Locke, Edward V.; and Hells, Richard A., to Avco Everett Research Laboratory, Inc. Mirror for high power lasers and method of fabricating same. 3,817,606, 6-18-74, Cl. 350-310.000.
Locke, Edward V., to Avco Corporation. Laser welding. 3,824,368, 7-16-74, Cl. 219-121.0lm.
Locke, Edward V., to Avco Everett Research Laboratory, Inc. Apparatus for heat treating a surface. 3,848,104, 11-12-74, Cl. 219-121.00l.
Locke, Frank W., to Hoerner Waldorf Corporation. Easily set-up container. 3,843,040, 10-22-74, Cl. 229-38.000
Locke, John William, to Communications Satellite Corporation. Holographic image scanner/recorder system. 3,795,768, 3-5-74, Cl. 178-7.600.
Locke, Oscar Verlon. Adjustably mounted camper step assembly. 3,794,345, 2-26-74, Cl. 280-163.000.
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Burdges, Kenneth P.; and Robertson, Arthur J., Sr., 3,831,886.
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Locklair, Earl Everett; and Halsey, Donald James, to E-Systems, Inc., mesne. Remote reading tilt encoder. 3,852,890, 12-10-74, Cl. 33-366.000.
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Lockwood Bennett Limited: *See—*
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Lockwood, Charles Alfred; Goffe, Frederick William Frank; and Julian, Ronald, to Shoe and Allied Trades Research Association, The. Shoe making. 3,837,025, 9-24-74, Cl. 12-54.100.
Lockwood Corporation: *See—*
Campbell, Gary; and Buckingham, Eliot K., 3,812,737.
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Lockwood, George H. Automatic reset reversing mechanism for sprinklers. 3,841,563, 10-15-74, Cl. 239-230.000.
Lockwood, Hanford N., Jr. Friction impulse gas turbine. 3,844,113, 10-29-74, Cl. 60-39.150.
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Lockwood, John E.; Spair, Herbert S., and Spair, Richard A., Sr., said Spair, Richard A., Sr., assor. to 6 2/3% to said Lockwood, John E. and said Spair, Richard A., Sr., assor. to 26 2/3% to said Spair, Herbert S. Audible warning system for school buses. 3,838,392, 9-24-74, Cl. 340-75.000.
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Lode, Tenny D. Amplifier buffered resistance network digital to analog and analog to digital converter system. 3,828,345, 8-6-74, Cl. 340-347.0da.
Lodewijk, Eric, to Syntex Corporation. Process for preparing 2-(6-methoxy-2-naphthyl) propionic acid, and intermediate therefor 3,803,245, 4-9-74, Cl. 260-612.00d.
Lodge, Hilmer G., to Conflow Irrigation Systems. Irrigation system 3,810,582, 5-14-74, Cl. 239-542.000
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Lodige, Wilhelm; Lodige, Fritz; Lucke, Josef; and Luke, Karlheinz. Granulating apparatus. 3,825,193, 7-23-74, Cl. 241-187.000.

Lodige, Wilhelm; Lodige, Fritz; and Lucke, Josef. Mixing tool for machines for applying glue to shavings. 3,845,940, 11-5-74, Cl. 259-107.000.

Lodige, Wilhelm; Lodige, Fritz; and Lucke, Josef. Mixing device for gluing wood shavings. 3,856,271, 12-24-74, Cl. 259-25.000.

Lodjic, Carl L., to Global Erectors, Inc. Baggage loader. 3,827,590, 8-6-74, Cl. 214-505.000.

Lodochnikov, Evald Akimovich; Kolesnikov, Viktor Petrovich; Ageev, Vladimir Egorovich; Khizhnyak, Vladimir Pavlovich; and Polyakov, Vyacheslav Mikhailovich. Apparatus for controlling a direct-current electric motor with a contact-less commutator arrangemen. 3,806,783, 4-23-74, Cl. 318-254.000.

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Loersch, Johannes. Device for associating mounts for slide transparencies. 3,809,386, 5-7-74, Cl. 270-58.000.

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Loev, Bernard, to Smithkline Corporation. Dibenzo(b,d)pyran compounds. 3,799,946, 3-26-74, Cl. 260-345.300.

Loev, Bernard, to Smithkline Corporation. 5,5-Diphenyl-2-pyrrolidinone compounds. 3,804,854, 4-16-74, Cl. 260-326.5fl.

Loev, Bernard, to Smithkline Corporation. Pharmaceutical compositions and methods of inhibiting gastric acid secretion. 3,821,386, 6-28-74, Cl. 424-263.000.

Loev, Bernard, to Smithkline Corporation. N-alkenyl and n-alkynyl thioamides. 3,825,547, 7-23-74, Cl. 260-294.80e.

Loev, Bernard, to SmithKline Corporation. 2-Aminomethyl dibenzo (b,d) pyrans. 3,856,820, 12-24-74, Cl. 260-345.300.

Loev, Bernard, to SmithKline Corporation. Alkoxy dibenzo (b,d) pyrans. 3,856,821, 12-24-74, Cl. 260-345.300.

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Loew, Frederic Christian; and Stone, Edward, to Inmont Corporation. Polyurethanes. 3,823,111, 7-9-74, Cl. 260-32.6nr.

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Loffelman, Frank Fred, to American Cyanamid Company. N-carbamoylethyl aromatic amine compounds. 3,816,529, 6-11-74, Cl. 260-558.00a.

Loffelman, Frank Fred; and Brady, Thomas Eugene, to American Cyanamid Company. Halogen-substituted azine compounds as peroxygen bleach activators. 3,824,188, 7-16-74, Cl. 252-95.000.

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Loffler, Erich W.; and Kruger, Hans. Motor-driven line transfer control. 3,796,937, 3-12-74, Cl. 318-468.000.

Loffler, Herbert. Protective cap of synthetic material for mouths of containers, particularly corked wine bottles. 3,809,365, 5-7-74, Cl. 253-38.00r.

Loffler, Tilo: *See—*
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Loffler, Werner: *See—*
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Lofgreen, Harold M. Apparatus for converting high-loader to backhoe. 3,802,586, 4-9-74, Cl. 214-145.000.

Lofink, Gerard V., to Heyl & Patterson, Inc. Crane with means for removing worn lines. 3,834,552, 9-10-74, Cl. 212-95.000.

Lofink, Joseph P., to Universal Lancaster Corporation. Gas meter diaphragm. 3,802,267, 4-9-74, Cl. 73-279.000.

Lofquist, Robert Alden: *See—*
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Lofquist, Robert Alden; Saunders, Peter Reginald; and Weedon, Gene Clyde, to Allied Chemical Corporation. Alkoxylated aliphatic polyethylenimines to inhibit ozone fading of dyed polyamides. 3,794,464, 2-26-74, Cl. 8-165.000.

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Lofquist, Robert Alden, to Allied Chemical Corporation. Cationic dyeable polyamide of improved physical properties. 3,828,009, 8-6-74, Cl. 260-78.001.

Lofredo, Antony; and Biava, Domenick R., to Airco, Inc., mesne. Liquefaction of natural gas. 3,792,590, 2-19-74, Cl. 62-38.000.

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Lofstrom, Dennis E.: *See—*
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Loft, Bryan Clarence: *See—*
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Casson, Harold V.; Bennett, James S.; and Loftfield, Richard E., 3,819,503.

Loftfield, Richard E., to Diamond Shamrock Corporation. Electrolytic cell assemblies and methods of chemical production. 3,791,947, 2-12-74, Cl. 204-95.000.

Loftfield, Richard E.; and Jhaveri, Ramesh C., to Electronor Corporation. Dimensionally stable anode construction. 3,853,738, 12-10-74, Cl. 204-286.000.

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Lofton, Melvyn Forrest. Device for making yarn pompons and flowers. 3,833,157, 9-3-74, Cl. 223-46.000.

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Logan, David J., to Gerber Scientific Instrument Company, The. Step motor control system. 3,838,258, 9-24-74, Cl. 235-151.110.

Logan, Hubert. Remote control starting device for internal combustion engine. 3,788,294, 1-29-74, Cl. 123-179.0bg.

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Logan, Ralph Andre; McFee, James Hoffman; Nahory, Robert Edward; and Pollack, Martin Alan, to Bell Telephone Laboratories, Incorporated. Injected carrier guided wave deflector. 3,837,728, 9-24-74, Cl. 350-96.wg0.

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Logan, Warner C., to Ajax Manufacturing Company, The. Forging press feed mechanism. 3,793,872, 2-26-74, Cl. 72-422.000.

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Logdon, Charles. Incinerator for refuse material. 3,808,986, 5-7-74, Cl. 110-8.00r.

Loge, Hans, to Kaltenbach & Voigt. Coupling for dental handpieces. 3,815,240, 6-11-74, Cl. 32-26.000.

Logemann, Heino; Suling, Carlhans; and Lorenz, Gunter, to Bayer Aktiengesellschaft. Solutions of N-vinyl pyrrolidone copolymers. 3,843,578, 10-22-74, Cl. 260-29.0an.

Logemann, Hugo, Jr.; and Dion, Donald Francis, to RCA Corporation. Bowling pin detector. 3,847,394, 11-12-74, Cl. 273-54.00e.

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LoGiudice, Roberto C. Welder's mask. 3,833,936, 9-10-74, Cl. 2-8.000.

LoGiudice, Roberto C. Welders's mask. 3,888,936, 9-10-74, Cl. 2-8.000.

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Logomasini, James C.; and Shelby, Richard K., to Monsanto Company. Apparatus improvements in a rotary blow molding machine 3,785,761, 1-15-74, Cl. 425-387.00b.

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Logsdon, Duane D. Pipe protector. 3,823,744, 7-16-74, Cl. 138-96.00r.

Logsdon, Duane D. Washing machine connection structure 3,834,781, 9-10-74, Cl. 312-229.000.

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Logue, George E. Combined load cover and windshield protector for dump truck. 3,833,255, 9-3-74, Cl. 296-137.00b.

Logvinenko, Dmitry Danilovich: *See—*
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Loh, Huai-Kuang, to AMF Incorporated. GFI circuit having tuned circuit fault detector. 3,801,871, 4-2-74, Cl. 317-18.00d.

Loh, Shiu-Chang. Back-fire loop antenna. 3,833,908, 9-3-74, Cl. 343-741.000.

Lohbauer, Kenneth R.: *See—*
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Lohkamp, Dwight T.; and Keller, James P., to Esso Research and Engineering Company. Melt-blowing die using capillary tubes. 3,825,379, 7-23-74, Cl. 425-72.000.

Lohkamp, Dwight Theodore; and Prentice, James S., to Esso Research and Engineering Company. Nonwoven mats of thermoplastic blends by melt blowing. 3,841,953, 10-15-74, Cl. 161-150.000.

Lohl, Gunter; Schneider, Wolfgang; Schroder, Heinz; and Noack, Rudolf, to Leitz, Ernst, GmbH. Photographic camera with interchangeable film system. 3,836,932, 9-17-74, Cl. 354-159.000.

Lohman, Arthur F.: *See—*
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Lohmann, Dieter; and Greber, Gerd, to Ciba-Geigy Corporation. Process for the production of beta-chloroethyl-trichlorosilane. 3,801,614, 4-2-74, Cl. 260-448.20e.

Lohmann, Frank; Eckhardt, Claude; and Kleiber, Karl, to Ciba-Geigy AG. Detergents. 3,846,324, 11-5-74, Cl. 252-95.000.

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Lohmer, Karl: *See—*
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Lohmuller, Ulrich, to Wintershall Aktiengesellschaft. Method for the prevention of the formation of solid residues on thermal treatment of furfural or furfural-extract mixtures. 3,812,163, 5-21-74, Cl. 260-347.900.

Lohneis, Earl R.; and Zankl, Frank, to Kearney & Trecker Corporation. Tool storage magazine. 3,817,391, 6-18-74, Cl. 211-1.500.

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Lohoff, Hermann, to CTC GmbH. Heat-exchange system. 3,782,132, 1-1-74, Cl. 62-260.000.

Lohonen, Paavo; and Karlsson, Olof, to Stal-Laval Turbin AB. Axial turbine combined with reverse turbine. 3,832,087, 8-27-74, Cl. 415-153.000.

Lohr, Alfred; Schwan, Wolfgang; and Tscheck, Wolfgang, to F. Kuppersbusch & Sohne Aktiengesellschaft. Device for steaming foods. 3,800,778, 4-2-74, Cl. 126-369.000.

Lohr, Alfred, to Kuppersbusch, F., & Sohne Aktiengesellschaft. Thawing frozen food. 3,818,977, 6-25-74, Cl. 165-2.000.

Lohr, Bernd; and Herrmann, Heinz, to Kalle Aktiengesellschaft. Photoconductive polymeric condensation products of formaldehyde with a multi-nuclear carbocyclic aromatic compound. 3,842,038, 10-15-74, Cl. 260-67.00a.

Lohr, Delmar F., Jr.; and Kay, Edward Leo, to Firestone Tire & Rubber Company, The. Stabilized polybutadiene resin. 3,786,009, 1-15-74, Cl. 260-237.00m.

Lohr, Delmar F., Jr.; and Kay, Edward Leo, to Firestone Tire & Rubber Company, The. Stabilized polybutadiene resin. 3,840,484, 10-8-74, Cl. 260-23.70m.

Lohr, Delmar F., Jr.; and Kay, Edward L., to Firestone Tire & Rubber Company, The. Stabilization of polybutadiene resin. 3,852,229, 12-3-74, Cl. 260-23.70m.

Lohr, Delmar F., Jr.; and Beckman, Joseph A., to Firestone Tire & Rubber Company, The. Stabilized polybutadiene compositions. 3,855,164, 12-17-74, Cl. 260-23.70r.

Lohr, Joachim, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Air compressing internal combustion engine with direct injection. 3,814,066, 6-4-74, Cl. 123-32.00r

Lohr, Raymond J.; and Quigley, John B., to Marx, Louis, & Co., Inc. Safety dart and method for manufacturing the same. 3,801,102, 4-2-74, Cl. 273-106.50a.

Lohr, Raymond J.; Campbell, Laurie Jay; and Auer, Robert T., to Marx, Louis, & Co., Inc. Locomotive simulating vehicle for children. 3,804,427, 4-16-74, Cl. 280-1.11r.

Lohr, Raymond J.; and Auer, Robert T., to Marx, Louis, & Co., Inc., mesne. Tether-ball support assembly. 3,809,406, 5-7-74, Cl. 273-95.00a.

Lohr, Raymond J.; and Smith, James, to Marx, Louis, & Co., Inc. Toy cycle construction. 3,827,719, 8-6-74, Cl. 280-259.000.

Lohr, Raymond J.; Cook, Calvin S.; and Seiersen, William K., to Marx, Louis, & Co., Inc. Child's vehicle simulating jet aircraft. 3,829,126, 8-13-74, Cl. 280-240.000.

Lohr, Raymond J.; Condry, Martin; Hirsch, Mahlon E.; Carver, Richard N.; and Rogers, Maxmillina P., to Marx, Louis, & Co. Inc. Shooting gallery apparatus including impact transmitting projector. 3,845,957, 11-5-74, Cl. 273-101.000.

Lohr, Thomas E., to Allied Chemical Corporation. Vehicle seat belt warning system. 3,840,849, 10-8-74, Cl. 340-52.00e.

Lohr, Thomas E., to Allied Chemical Corporation. Pressure sensing switch with movable contact diaphragm. 3,845,260, 10-29-74, Cl. 200-83.00n.

Lohr, Thomas L., to Allied Chemical Corporation. Apparatus for measuring the angular displacement and the angular velocity of a rotation member. 3,786,336, 1-15-74, Cl. 322-51.000.

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Lohrmann, Dieter R., to United States of America, Army. Mixer for controlling the frequency accuracy of a variable frequency oscillator. 3,857,099, 12-24-74, Cl. 325-436.000.

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Lohse, Friedrich; Schmid, Rolf; and Batzer, Hans, to Ciba-Geigy Corporation. Thermosetting mixtures of polyisocyanates, weakly branched polyesters and polyoles. 3,821,165, 6-28-74, Cl. 260-47.0cb.

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Loika, Alexander, Jr., to General Electric Company. Induction watthour meter potential coil mounting. 3,792,353, 2-12-74, Cl. 324-137.000.

Loikitz, Frank F., to Instrument Systems Corporation. Slam-style safety lock. 3,786,657, 1-22-74, Cl. 70-150.000.

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Loire, Rene, to Compagnie Generale d'Equipement Maritime Hersent. Method of erecting a tower on the sea-bed, in deep water. 3,839,873, 10-8-74, Cl. 61-46.500.

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Lojek, Rudolf; Ryska, Josef; and Cechach, Frydlant V., to Zavody Elitex textilniho strojirenstvi generalni reditelstvi. Device for the continuous drying and finishing of web materials, particularly textiles. 3,851,408, 12-3-74, Cl. 34-155.000.

Lojinger, Robert I. Shirt collar support. 3,786,971, 1-22-74, Cl. 223-83.000.

Lokey, Robert C., to Lokey Tool, Inc. Automatic safety brake for rotary blade equipment. 3,785,230, 1-15-74, Cl. 83-58.000.

Lokey, Robert C. Braille typewriter. 3,823,804, 7-16-74, Cl. 197-6.100.

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Lokka, Jens Leif. Valve for introduction of additional air into internal combustion engines. 3,809,037, 5-7-74, Cl. 123-119.0db.

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Loliger, Willi; and Schmied, Rudolf. Apparatus for continuously dissolving a pulverulent material in a liquid. 3,816,427, 6-11-74, Cl. 23-271.000.

Loliger, Willi; and Schmied, Rudolf, to Alpura Koreco. Apparatus for sterilising the outside of the filling pipe in an aseptic packaging machine. 3,850,207, 11-26-74, Cl. 141-90.000.

Loliger, Willi; and Schmied, Rudolf, to Alpura Koreco A.G. Apparatus for controlling the atmosphere of the sterile chamber in an aseptic packaging machine. 3,854,874, 12-17-74, Cl. 21-91.000.

Loma Corporation: *See—*
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Lomas, Donald: *See—*
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Lomas, Donald, to Imperial Chemical Industries Limited. Solvent compositions. 3,804,769, 4-16-74, Cl. 252-171.000.

Lomax, Donald P.: *See—*
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Lomax, Harold R.; and Potts, Bobby K. Apparatus for trimming plumbing pipes below floor level. 3,799,688, 3-26-74, Cl. 408-196.000.

Lombard, Claude Edmond; and Moyses, Claude Daniel, to Regie Nationale des Usines Renault. Ball-type solenoid valves and methods of assembling same. 3,795,383, 3-5-74, Cl. 251-139.000.

Lombard, Claude Edmond; Labaune, Camille; and Neubauer, Pierre, to Regie Nationale des Usines Renault and Automobiles Peugeot. Electronic control devices called governors-comparators for vehicle automatic gear boxes. 3,815,010, 6-4-74, Cl. 322-28.000.

Lombard, Claude Edmond, to Regie Nationale Des Usines Renault and Automobiles Peugeot. Devices for sensing the speed and position of an engine flywheel. 3,842,299, 10-15-74, Cl. 310-168.000.

Lombard, Jean G., to Centre d'Etudes et de Recherches de la Machine-Outil. Support device employing a fluid film. 3,801,165, 4-2-74, Cl. 308-5.000.

Lombard, Ralph: *See—*
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Lombardi, Frank G.; Hostettler, Fritz; and Cook, William H., to Inter-Polymer Corporation. Polyurethane foams based on liquid (o-caprolactone) polyester polyols. 3,806,473, 4-23-74, Cl. 260-2.5an.

Lombardi, Mario, to Olivetti, Ing. C., & C., S.p.A. Programmed vertical tubulating device for typewriter. 3,820,646, 6-28-74, Cl. 197-114.00r.

Lombardi, Salvatore. Hoist lock for containerized cargo and the like. 3,845,527, 11-5-74, Cl. 24-221.00r.

Lombardi, Victor J. Cylinder and dial construction for knitting machines. 3,817,058, 6-18-74, Cl. 66-8.000.

Lombardino, Joseph G.: *See—*
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Lombardino, Joseph G., to Pfizer Inc. Production of 4-hydroxy-1,2-benzothiazine-3-carboxamides. 3,853,862, 12-10-74, Cl. 260-243.00r.

Lombardo, Anthony, to Alfa Industries, Inc. Button feeding machine. 3,807,328, 4-30-74, Cl. 112-113.000.

Lombardo, Michael S.: *See—*
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,784,440.
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,793,106.
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,798,096.

Lomeo, Alberto: *See—*
Fournier, Erick-Pierre; and Lomeo, Alberto, 3,789,838.

Lommers, Anthonius Johannes Josephus Cornelis; and Van Alphen, Adrianus Joannes Maria. Integrated differential amplifier. 3,812,434, 5-21-74, Cl. 330-19.000.

Lonati, Francesco. Stretcher device for articles under manufacture on double cylinder circular knitting machines. 3,797,280, 3-19-74, Cl. 66-149.00r.

Lonati, Francesco. Yarn cutter for circular knitting machines. 3,803,878, 4-16-74, Cl. 66-14.000.

Lonati, Francesco. Device for increasing the average angular velocity of the cylinders of circular hosiery. 3,844,140, 10-29-74, Cl. 66-56.000.

Londahl, Goran Stig; and Eek, Lars Inge, to Frigoscandia Contracting AB. Apparatus for producing frozen meat cubes, hamburgers and similar units. 3,835,764, 9-17-74, Cl. 99-517.000.

Londat Aetz Fabric Co.: *See—*
Egan, Daniel J., 3,824,078.

London, Eugene J.; and Boncher, John L., Jr. Freezer unloading system for hamburger patties. 3,810,554, 5-14-74, Cl. 214-6.00d.

London, Joe F., Jr., to Burlington Industries, Inc. Fabric having improved pick resistance. 3,824,776, 7-23-74, Cl. 57-140.00j.

London, Joe F., Jr., to Burlington Industries, Inc. Intermittent texturized yarn and false-twist apparatus and process for producing the same. 3,848,404, 11-19-74, Cl. 57-34.0hs.

Lone Star Container Corporation: *See—*
Keener, Arthur; Bradford, Larry David; Gary, Laverne E.; McLeon, John W.; and Carter, Billy W., 3,808,958.

Lone Star Gas Company: *See—*
Goldsberry, Fred L., 3,808,886.
Goldsberry, Fred L., 3,854,663.

Lone Star Steel Company: *See—*
Ewan, Thomas K.; Holland, Orvis L.; Martin, Willis Leon; and Hurse, James E., 3,852,408.
Martin, Willis Leon; Holland, Orvis L.; Ewan, Thomas K.; and Hurse, James E., 3,852,409.

Loner, Aldo, to U.S. Philips Corporation, mesne. Dry shaver with selectively engagable short and long hair cutters. 3,781,990, 1-1-74, Cl. 30-34.100.

Long, Alan C.: *See—*
Cowley, Brian Richard; Gregory, Gordon I.; and Long, Alan C., 3,821,206.

Long, Alan Gibson: *See—*
Arkley, Vincent; Eardley, Stephen; and Long, Alan Gibson, 3,792,047.
Clark, John Colin; Kennedy, James; and Long, Alan Gibson, 3,830,808.
Kennedy, James; Long, Alan Gibson; and Underwood, William George Elphinstone, 3,790,567.
Kennedy, James; Long, Alan Gibson; and Underwood, William George Elphinstone, 3,846,416.
O'Callaghan, Cynthia Hilda; Clark, John Colin; Kennedy, James; Kirby, Susan Mary; Long, Alan Gibson; Morris, Allan; Shingler, Anthony Harold; and Weir, Niall Galbraith, 3,830,700.

Long, Alden Owen, Jr., to AMP Incorporated. Bobbin terminal insertion machine. 3,840,964, 10-15-74, Cl. 29-203.00d.

Long, Arthur H.: *See—*
Levine, Samson P.; Kugler, Ralph W.; Candek, Anthony J.; and Long, Arthur H., 3,798,093.

Long, Darla; and Norland, Kenneth, to Polaroid Corporation. Process for purifying silver compounds. 3,800,030, 3-26-74, Cl. 423-491.000.

Long, David M., Jr., to University of Illinois Foundation. Radiopaque agents comprising brominated perfluorocarbons. 3,818,229, 6-18-74, Cl. 250-312.000.

Long, David T., to United States of America, Navy. Intrusion detection apparatus. 3,811,010, 5-14-74, Cl. 178-6.800.

Long, Donald C.; Hartsough, Albert C.; and Sanford, Robert F., to Princeton Electro Dynamics, Inc. Electrical switch for use in combustible atmospheres. 3,805,059, 4-16-74, Cl. 250-206.000.

Long, Donald C.; Hartsough, Albert C.; and Sanford, Robert F., to Princeton Electro Dynamics, Inc. Electrical switch. 3,858,132, 12-31-74, Cl. 335-153.000.

Long, Donald Charles; Hartsough, Albert Charles; and Sanford, Robert Fincher, to Princeton Electro Dynamics, Inc. Light controllable electrical switch. 3,829,683, 8-13-74, Cl 250-209.000.

Long, Donald V., to Dalpak Corporation, The. Compactor bag and method of manufacture. 3,822,037, 7-2-74, Cl. 229-53.000.

Long, Donald V.; Derby, Norwin Cedric; and Chorak, Peter P., to Dalpak Corporation, The. Method of manufacturing a shipping bag. 3,845,696, 11-5-74, Cl. 93-35.00r.

Long, Eric L.: *See—*
Anderson, Fred N.; Bedocs, Michael F.; and Long, Eric L., 3,819,882.

Long, Ernest L.: *See—*
Davis, William F.; Russell, Ronald W.; Frederiksen, Thomas M.; and Long, Ernest L., 3,786,344.

Long, Erwin L. Blade pile and method for increasing the bearing strength of pile. 3,797,257, 3-19-74, Cl. 61-53.500.

Long, George B., to General Motors Corporation. Oven temperature limiter. 3,842,232, 10-15-74, Cl. 219-5.300.

Long, George E.; Reesf, Dennis L.; and Johnson, Floyd C., to Grad-Line Inc. Grader control. 3,786,871, 1-22-74, Cl. 172-4.500.

Long, George E.; Johnson, Floyd C.; and Reese, Dennis L., to Grad-Line Inc. Control system for road grader. 3,791,452, 2-12-74, Cl. 172-4.500.

Long, George M., to Institute of Gas Technology. Add-on stopper valve for existing piping. 3,799,182, 3-26-74, Cl. 137-15.000.

Long, Gerald Ambrose: *See—*
Boyd, Colin David; Long, Gerald Ambrose; Long, Stanley Francis; and Wickham, Gordon, 3,807,358.

Long, Hubert G.; and Long, Veron E. Sewage treatment system. 3,819,054, 6-25-74, Cl. 210-195.000.

Long Island Plastics Corporation: *See—*
Minuto, Maurice, 3,803,077.

Long, Ivan A.; and Long, Richard L. Lower limb prosthesis. 3,820,169, 6-28-74, Cl. 3-22.000.

Long, J. Raymond. Capsule and tablet administration for animals. 3,789,845, 25-74, Cl. 128-264.000.

Long, Jack B.: *See—*
Krawetz, Barton; Long, Jack B.; and Mooney, Leonard J., 3,789,321.

Long, Jack B., to United States of America, Atomic Energy Commission. High-voltage feedthrough assembly. 3,806,625, 4-23-74, Cl. 174-31.00r.

Long, Jacques; and Bessot, Jean-Jacques, to Compagnie Industrielle des Telecommunications. Diffusion pump assembly. 3,785,162, 1-15-74, Cl. 62-55.500.

Long, John H.: *See—*
Shaler, David; and Long, John H., 3,787,889.
Shaler, David; and Long, John H., 3,797,023.
Shaler, David; and Long, John H., 3,797,024.
Smith, John W.; and Long, John H., 3,831,178.

Long, John H., to Muirhead, Inc. Apparatus for half tone marking electrostatic paper. 3,830,967, 8-20-74, Cl. 178-6.60a.

Long, Larry K.; Knight, Thomas C.; and Jackson, William F., to Amerco, Inc. Medical examining chair. 3,837,635, 9-24-74, Cl. 269-325.000.

Long, Leo E. Punching bag and mount therefor including automatic spring return for the punching bag. 3,813,095, 5-28-74, Cl. 272-78.000.

Long Lok Fasteners Corporation: *See—*
Bagheri, Mansour A. H.; and Stillman, Donald W., 3,843,984.

Long, Louis, Jr.: *See—*
Lintner, Michael A.; and Long, Louis, Jr., 3,813,431.

Long Manufacturing Co., Inc.: *See—*
Atkinson, Wallace E., 3,837,189.

Long, Margaret E.: *See—*
Lee, Chin K.; and Long, Margaret E., 3,821,086.

Long, Marshall; Alley, Lewis F.; and Miller, Jack M., to Marlen Research Corporation. Block slicer and method. 3,799,013, 3-26-74, Cl. 83-56.000.

Long, Marshall; Alley, Lewis F.; and Miller, Jack M. Block slicer and method. 3,799,019, 3-26-74, Cl. 83-342.000.

Long, Marshall; Alley, Lewis F.; and Reynolds, William A., to Marlen Research Corporation. Machine for severing meat slabs. 3,837,249, 9-24-74, Cl. 83-408.000.

Long, Martin H., Jr.; and Pachynski, Alvin L. Underwater electronic flash actuator. 3,786,734, 1-22-74, Cl. 95-11.00w.

Long, Martin L., Jr.: *See—*
Branovich, Louis E.; Fitzpatrick, William B. P.; and Long, Martin L., Jr., 3,825,440.

Long Mfg. N. C., Inc.: *See—*
Long, William R., 3,795,248.
Long, William R., 3,834,137.

Long, Olan L.: *See—*
Hanks, Jack G.; and Long, Olan L., 3,837,120.

Long, Olan L., to Westinghouse Electric Corporation. Leveling support structure for dishwasher. 3,844,518, 10-29-74, Cl. 248-188.400.

Long, Olan L., to Westinghouse Electric Corporation. Support and leveling arrangement. 3,851,846, 12-3-74, Cl. 248-188.200.

Long, Raymond E.; and Boles, Ralph C., Jr. Super heated vapor driven vehicle. 3,794,801, 2-26-74, Cl. 219-10.550.

Long, Raymond E. Apparatus for producing super heated fluids. 3,816,689, 6-11-74, Cl. 219-100.550.

Long, Richard C. Weeder. 3,847,226, 11-12-74, Cl. 172-371.000.

Long, Richard H. Gem faceting machine. 3,818,641, 6-25-74, Cl. 51-125.500.

Long, Richard L.: *See—*
Long, Ivan A.; and Long, Richard L., 3,820,169.

Long, Robert A.: *See—*
Robins, Roland K.; and Long, Robert A., 3,804,827.
Stoudt, Thomas H.; and Long, Robert A., 3,801,460.
Szekeres, Gabor L.; Robins, Roland K.; and Long, Robert A., 3,824,229.

Long, Robert Alvin, to AMP Incorporated. Apparatus for connecting conductors to terminals in a pre-load electrical connector. 3,816,897, 6-18-74, Cl. 29-203.0mw.

Long, Robert Byron, to Esso Research and Engineering Company. Process for removing metals from petroleum residua. 3,849,297, 11-19-74, Cl. 208-251.00r.

Long, Robert G., to D.D.I. Communications, Inc. Digital data interface system. 3,825,696, 7-23-74, Cl. 179-15.00a.

Long, Robert Gordon, to D.D.I. Communications, Inc. Digital data interface scanning system. 3,825,695, 7-23-74, Cl. 179-15.00a.

Long, Robert Gordon, to D.D.I. Communications, Inc. Digital data change detector. 3,828,312, 8-6-74, Cl. 340-146.10r.

Long, Ronald E., to Lester Electrical of Nebraska, Inc. Battery charger control. 3,794,905, 2-26-74, Cl. 320-20.000.

Long, Ronald W.; Starr, Robert P.; and Hubert, James C., to Ralston Purina Company. Dry cutting compound for protein glues and method of use. 3,844,805, 10-29-74, Cl. 106-79.000.

Long, Stanley Francis: *See—*
Boyd, Colin David; Long, Gerald Ambrose; Long, Stanley Francis; and Wickham, Gordon, 3,807,358.

Long, Thomas R.; Miller, Warren H., Jr.; and Campbell, Scott V., to Digi-Data Corporation. Device for selecting data cards. 3,782,716, 1-1-74, Cl. 271-99.000.

Long, Veron E.: *See—*
Long, Hubert G.; and Long, Veron E., 3,819,054.

Long, William P.: *See—*
Augustin, Eugene H.; and Long, William P., 3,827,872.

Long, William R., to Long Mfg. N. C., Inc. Peanut combine stemmer saws. 3,795,248, 3-5-74, Cl. 130-30.00c.

Long, William R., to Long Mfg. N. C., Inc. Method and apparatus for harvesting and treating tobacco. 3,834,137, 9-10-74, Cl. 56-27.500.

Long, Willis F., to Hughes Aircraft Company. Hybrid DC circuit breaker. 3,786,310, 1-15-74, Cl. 317-11.00c.

Long-Lok Fasteners Corporation: *See—*
Bagheri, Mansour A. H.; Fitzgerald, Walter P., Jr.; and Sanders, Beatrix Y., 3,784,435.

Longamore, Robert Gail, to Radiant Energy Systems, Inc. X-Y table for vacuum systems. 3,790,155, 2-5-74, Cl. 269-60.000.

Longarzo, Roland P., to Ibex Precision Products, Inc. Ball, socket and clip device. 3,810,550, 5-14-74, Cl. 211-69.600.

Longato, Giuseppe. Pre-stamped seating device. 3,784,254, 1-8-74, Cl. 297-445.000.

Longbottom, David Melvin: *See—*
Hoyle, Geoffrey; and Longbottom, David Melvin, 3,788,381.

Longbrake, Howard Ray. Portable sharpener. 3,819,170, 6-25-74, Cl. 269-3.000.

Longenecker, Bruce Cameron: *See—*
Keller, Joseph Richard; and Longenecker, Bruce Cameron, 3,783,662.

Longenecker, Levi S. Suspended roof and end wall construction for peverberatory furnace. 3,789,780, 2-5-74, Cl. 110-1.00a.

Longenecker, Levi S. Panelized suspended furnace roof and improved feed hole. 3,825,409, 7-23-74, Cl. 432-250.000.

Longenecker, Levi S. Suspended roof and end wall construction for reverberatory furnace. 3,832,959, 9-3-74, Cl. 110-99.00r.

Longenecker, Lineaus W. Painting guide kit. 3,849,911, 11-26-74, Cl. 35-26.000.

Longerich, Ernest P.; and Rudy, Erland W., to Bendix Corporation, The. Moving target indicator for sonar and frequency measuring means therefor. 3,803,542, 4-9-74, Cl. 340-3.00r.

Longerich, Wilfried; Heckmanns, Heinz; and Timmerbeil, Harald, to Hoesch Werke Aktiengesellschaft, mesne. Apparatus for applying baling bands around bales of compressible and expandable material. 3,804,001, 4-16-74, Cl. 100-4.000.

Longfellow, Richard C., to Cretex Companies, Inc., The. Gasket joint connections. 3,831,954, 8-27-74, Cl. 277-207.000.

Longfield, James Edgar; and Hyman, Daniel, to American Cyanamid Company. Process for production of phosphorus. 3,832,448, 8-27-74, Cl. 423-322.000.

Longhenry, David K.: *See—*
Praglin, Julius; McKie, James E., Jr.; Curtiss, Alan C.; and Longhenry, David K., 3,832,532.

Longi, Paolo: *See—*
Chiolle, Antonio; Credali, Lino; Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, 3,813,354.
Chiolle, Antonio; Credali, Lino; Longi, Paolo; Greco, Francesco; and D'Angelo, Romano, 3,840,634.

Longi, Paolo; Cameli, Nazzareno; Valvassori, Alberto; Parodi, Sandro; and Cervi, Remo, to Montecatini Edison S.p.A. Process for preparing saturated and unsaturated elastomeric copolymers of ethylene and/or higher alpha-olefins. 3,789,036, 1-29-74, Cl. 260-0.700.

Longi, Paolo; Giannini, Umberto; and Mazzocchi, Romano, to Montecatini Edison S.p.A. Polymerization catalysts. 3,850,842, 11-26-74, Cl. 252-429.00c.

Longin, Robert: *See—*
Aubert, Jean-Paul; Longin, Robert; and Millet, Jacqueline, 3,833,474.

Longland, George M., Jr., to Standard Oil Company. Integration of para- or meta-xylene oxidation to terephthalic acid or isophthalic acid and its purification by hydrogen treatment of aqueous solution. 3,839,436, 10-1-74, Cl. 260-524.00r.

Longley, Delton K. Apparatus for oxidizing waste materials. 3,843,329, 10-22-74, Cl. 23-277.00c.

Longo, Isadore S.; and Watson, James J., 1/2 to CP Auto Products; division of Custom Plating Corporation and Rocket Racing Products. Wheel adaptor. 3,820,851, 6-28-74, Cl. 301-9.0dn.

Longo, Joseph F., to International Dynetics Corporation. System for controlling the hydraulic ram of a refuse compactor. 3,802,335, 4-9-74, Cl. 100-35.000.

Longo, Joseph F., to International Dynetics Corporation. Garbage compactor. 3,815,323, 6-11-74, Cl. 53-124.00e.

Longoni, Angelo: *See—*
Losco, Giuseppe; Reggio, Antonino; Michieli, Giannantonio; and Longoni, Angelo, 3,813,440.

Longoria, Juan, III; and Cook, John A., to Dow Chemical Company, The. Polyalkanolamine resins. 3,819,541, 6-25-74, Cl. 260-2.0bp.

Longrigg, Paul, to Forney Engineering Company. Pulverized coal combustion detector. 3,805,258, 4-16-74, Cl. 340-228.200.

Longshore, Donald W.: *See—*
Schott, Robert E.; and Longshore, Donald W., 3,808,810.

Longstaff-Tyrrell, John, to Lucas, Joseph, (Industries) Limited. Vehicle ignitions systems. 3,820,521, 6-28-74, Cl. 123-148.00e.

Longtin, Donald J.: *See—*
Angelbeck, Albert W.; and Longtin, Donald J., 3,858,122.

Longuet, Maurice, to Thomson-CSF. Television signal processing device. 3,814,847, 6-4-74, Cl. 178-7.100.

Longwell, Paul A.: *See—*
Kays, David D.; Frank, Kurt F.; and Longwell, Paul A., 3,832,289.

Longworth, Arthur Raymond: *See—*
Billany, Michael Royston; Longworth, Arthur Raymond; and Shatwell, John, 3,855,140.

Longworth, Edward, Jr., to Paulding, John I., Inc. Self-grounding clip for the mounting strap of an electric switch or receptacle. 3,835,438, 9-10-74, Cl. 339-14.00r.

Longworth, Michael W., to Ampex Corporation. Tape spool. 3,846,530, 11-5-74, Cl. 264-154.000.

Longyear Company: *See—*
Braun, Leonard A., 3,792,869.
Cooper, Jamshed Rustom, 3,815,690.
Schafer, Robert P.; Braun, Leonard A.; and Maki, Terrence C., 3,786,877.

Lonnberg, Lars: *See—*
Bengtsson, John Ingemar; Hakansson, Sven Anders Samuel; Lundholm, Sven Gunnar K:Son; and Lonnberg, Lars, 3,848,877.

Lonnee, Noble M. Self-locking price tag. 3,834,748, 9-10-74, Cl. 292-320.000.

Lonnemo, Kurt R., to Sperry Rand Corporation. Power transmission. 3,784,327, 1-8-74, Cl. 417-222.000.

Lonnemo, Kurt R.; and Bergstedt, Jan O., to Sperry Rand Corporation. Power transmission. 3,785,398, 1-15-74, Cl. 137-488.000.

Lonnemo, Kurt R., to Sperry Rand Corporation. Power transmission. 3,856,436, 12-24-74, Cl. 417-212.000.

Lonning, Thor J. G., to Monsanto Company. Plasticized vinyl chloride polymer blends having improved fire retardancy. 3,801,526, 4-2-74, Cl. 260-30.60r.

Lonnroth, Borje Gunnar Arne, to Statens Vag-Och Trafikinstitut. Torque meter having a movement transmission member. 3,832,896, 9-3-74, Cl. 73-136.00a.

Lonnstrom Oy: *See—*
Lehtovaara, Jorma J., 3,848,326.

Lonow, Martin S., to Anaconda Company, The. Inflatable corona ring and cable termination method employing same. 3,828,116, 8-6-74, Cl. 174-73.00r.

Lonsdale, Harold K.: *See—*
Riley, Robert L.; and Lonsdale, Harold K., 3,806,564.

Lontz, John Frank; and D'Alonzo, Constance Anthony; deceased (by Bryant, Shirley; executrix). Dietetic salt substitute composition. 3,782,974, 1-1-74, Cl. 426-229.000.

Lontz, John Frank; and D'Alonzo, Richard Titus. Sweetening composition. 3,833,745, 9-3-74, Cl. 426-217.000.

Lonza Ltd.: *See—*
Boosen, Karl-Josef, 3,814,763.
Boosen, Karl-Josef, 3,824,255.
Brandl, Karl, 3,834,932.
Greth, Erich, 3,803,209.
Hardt, Peter; and Boosen, Karl-Josef, 3,808,232.
Heetman, Jakobus, 3,785,198.
Kugler, Tibor; and Silbiger, Jakob, 3,817,711.
Nicolet, Rene; and Gutmann, Walter, 3,851,016.
O'Murchu, Colm, 3,810,934.
Wicht, Paul; and Volken, Kurt, 3,816,363.

Loo, Brian Hum, to Northrop Corporation. Apparatus and method for performing on linemonitoring and fault-isolation. 3,813,647, 5-28-74, Cl. 340-172.500.

Loo, Villo Johannesovich: *See—*
Sillaots, Argo Aleksandrovich; Kuuse, Nikolai Ivanovich; Randmaa, Toenu Romanovich; and Loo, Villo Johannesovich, 3,842,465.

Loock, Willi. Loading, unloading and transporting device. 3,814,271, 6-4-74, Cl. 214-509.000.

Loof, Philippus: *See—*
Groenendaal, Willem; Lenz, Walter M.; and Loof, Philippus, 3,851,050.

Loofbourow, Robert L. Storage of gas in underground excavation. 3,848,427, 11-19-74, Cl. 62-260.000.

Looger, Lonnie L.: *See—*
Strickland, Raymond I.; and Looger, Lonnie L., 3,820,751.
Vickers, Wiley B.; and Looger, Lonnie L., 3,786,717.

Looger, Lonnie L. Gaseous grenade. 3,786,756, 1-22-74, Cl. 102-65.000.

Look, Gunter: *See—*
Schulz, Horst; Schwerdhofer, Hans-Joachim; and Look, Gunter, 3,809,195.

Lookatch, Gordon D. Multi-compartment wallet. 3,845,800, 11-5-74, Cl. 150-39.000.

Loomans, Bernard A., to Baker Perkins, Inc. Mixer drive mechanism. 3,802,278, 4-9-74, Cl. 74-22.000.

Loomba, Yogendra S., to Allied Chemical Corporation. Cap assembly. 3,794,211, 2-26-74, Cl. 220-89.00a.

Loomba, Yogendra Singh, to Allied Chemical Corporation. Electromagnetically controlled safety belt retractor. 3,797,603, 3-19-74, Cl. 180-82.000.

Loomer, Weston R.: *See—*
Salsburg, Frederic S.; and Loomer, Weston R., 3,822,795.

Loomer, Weston R., to Hartman Metal Fabricators, Inc. Safety brake assembly for elevators and the like. 3,799,298, 3-26-74, Cl. 188-189.000.

Loomer, Weston R.; and Thornton, Thomas Fred, to Hartman Metal Fabricators Inc. Pallet accumulator. 3,844,423, 10-29-74, Cl. 214-6.0ba.

Loomis, Donald D. Prime mover with internal power source. 3,833,841, 9-3-74, Cl. 318-139.000.

Loomis, Francis B., to St. Lawrence Engine Co. Limited, The. Aircraft ground handling equipment. 3,825,869, 7-23-74, Cl. 214-331.000.

Loomis, Harry J., 1/2 to Body, Alfred C. Method and apparatus for making snow. 3,814,319, 6-4-74, Cl. 239-2.00s.

Loomis, Phillip Eugene: *See—*
Hammond, James Woodrow; and Loomis, Phillip Eugene, 3,857,154.

Loomis, Phillip Eugene; and Morgan, Joe Pierce, to AMP Incorporated. Method and apparatus for disposing unassembled insulating housings in a predetermined position for facilitating placement of articles such as electrical connecting devices within said housings. 3,834,016, 9-10-74, Cl. 29-630.00a.

Loomis, Russell M.: *See—*
Bertram, Leroy W.; Loomis, Russell M.; and Gaikowski, Michael D., 3,808,982.

Loomis, Russell M.; Enochian, Samuel H.; and McLaughlin, Gerald R., to Unarco Industries, Inc. Pneumatic safety system for vehicle lading. 3,791,310, 2-12-74, Cl. 105-369.0ba.

Loomis, Russell M., to Unarco Industries, Inc. Pneumatic safety system for vehicle lading. 3,791,311, 2-12-74, Cl. 105-369.0ba.

Loomis, Russell M., to Unarco Industries, Inc Safety latch pin for bulkheads. 3,837,296, 9-24-74, Cl. 105-376.000.

Loon, Fred G., to Ford Motor Company. Rocker arm. 3,855,981, 12-24-74, Cl. 123-90.270.

Looney, Catharine E.; Michel, Rudolph H.; and Sahatjian, Ronald A., to Du Pont de Nemours, E. I., and Company. Diazo photosensitive composition. 3,836,369, 9-17-74, Cl. 96-91.00r.

Looney, Jesse M. Distillation of diacetylenically unsaturated aromatic hydrocarbons. 3,850,757, 11-26-74, Cl. 203-9.000.

Looney, John H., to Xerox Corporation. Snap roller. 3,808,658, 5-7-74, Cl. 29-110.000.

Looney, John H., to Xerox Corporation. Inverter-reverser for a reproduction machine. 3,856,295, 12-24-74, Cl. 271-65.000.

Loop A Line, Inc.: *See—*
McGahee, Welbourne D., 3,828,734.
McGahee, Welbourne D., 3,830,187
McGahee, Welbourne D., 3,855,723

Loopco Industries, Inc.: *See—*
Horton, Robert F.; and Madachy, John F., 3,815,840.
Madachy, John F., 3,815,839.

Loos, George J.: *See—*
Hague, Robert Z.; Hantman, Edwin F.; Laucks, Howard H.; Loos, George J.; Marsciano, Matthew F.; and Mastropole, Alfred J., 3,844,028

Loos, Herbert, to Carl Hurth Maschinen-und Zahnradfabrik. Gear working tool. 3,828,597, 8-13-74, Cl. 72-102.000.

Loos, John C., to United States of America, Navy. Method for world wide synchronization of tracking radars. 3,821,751, 6-28-74, Cl. 343-5.00r.

Loos, John H.; and Wark, Emerson L., to General Motors Corporation. Fresh air damper arrangement for room air conditioner. 3,792,593, 2-19-74, Cl. 62-262.000.

Loos, John R. Grounding coupling for electrical wire raceways. 3,832,672, 8-27-74, Cl. 339-13.000.

Loos, William A., to Gerber Scientific Instrument Company, The. Pressurized gas selector mechanism. 3,822,025, 7-2-74, Cl. 214-16.40a.

Loose, Jack D., to United States of America, National Aeronautics and Space Administration. Steady state thermal radiometers. 3,819,419, 6-25-74, Cl. 136-213.000.

Loose, Randy J.; and Spector, George. Game having magnetically cooperating projectiles and floating scoring elements. 3,843,125, 10-22-74, Cl. 273-95.00r.

Loov, Nils Gusta, to Looveverken Raufoss AB. Wedge member. 3,837,625, 9-24-74, Cl. 254-104.000.

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Loovist, Kaj Ragnar, to Fagersta Aktiebolag. Roller for hot and cold rolling and method of making the same. 3,787,943, 1-29-74, Cl 29-125.000.

Lopata, Ira, L.; Hoerner, Jacob W.; and Sloane, Theodore A., to Ragen Precision Industries, Inc. Cassette for film. 3,804,498, 4-16-74, Cl. 352-78.00r.

Lopata, Karl Peter, to Kleinewefers Industrie-Companie GmbH, Firma. Sealing apparatus for gas or vapor containers subjected to above or below atmospheric pressures for product webs to be continuously treated. 3,807,059, 4-30-74, Cl. 34-242.000.

Lopata, Karl Peter, to Fa. Kleinewefers Industrie Companie GmbH. Sealing arrangement for pressurized gas or vapour containers for material webs which are to be continuously treated. 3,808,845, 5-7-74, Cl. 68-5.00e.

Lopata, Karl Peter; and Schiffer, Gunter Heinz, to Fa. Kleinewefers Industrie-Companie GmbH. Sealing apparatus for gas vapor container subjected to above or below atmospheric pressures for product webs to be continuously treated. 3,843,142, 10-22-74, Cl. 27-237.000.

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Lopatin, George, to Shell Oil Company. Adhesion process and article obtained thereby. 3,824,148, 7-16-74, Cl. 161-188.000.

Lopatko, Anatoly Petrovich: *See—*
Olshansky, Nikolai Alexandrovich; Smelyansky, Matvei Yakovlevich; Lopatko, Anatoly Petrovich; Tkachev, Leonid Grigorievich; Kozhaev, Arkady Filippovich; Sapozhnikov, Alexandr Ivanovich; and Chernakov, Gennady Anatolievich, 3,829,651.

Lopes, Manoel Valentino: *See—*
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Lopez, Angel, to Manufacture de Boites de Montres S. Graber S.A. Watch case. 3,817,026, 6-18-74, Cl. 58-102.000.

Lopez, Enrique; Spidle, Robert D.; and Beazley, Aubrey Glenn, to Farah Manufacturing Company, Inc. Fabric turnover device. 3,794,153, 2-26-74, Cl. 198-270.000.

Lopez, Enrique; Spidll, Robert D.; and Beazley, Audrey Glenn, to Farah Manufacturing Company, Inc. Fabric turnover, mating and sewing device. 3,797,423, 3-19-74, Cl. 112-121.110.

Lopez, Erlindo C. Christmas tree stand holder. 3,784,136, 1-8-74, Cl. 248-44.000.

Lopez, Fernand Louis; Scheffer, Bela; Vulmiere, Huguette Nelly; and Vulmiere, Claude Jacques, to Etablissement Public: Agence Nationale de Valorisation de la Recherche Anvar, Regie dite: Regie Nationale des Usines Renault and Societe Anonyme: Automobiles Pugeot. Photometric head for measuring the diameters of hardness indentations. 3,799,677, 3-26-74, Cl. 356-156.000.

Lopez, Juan M.: *See—*
Poliak, John M.; Weitzman, Milton J.; and Lopez, Juan M., 3,856,376.

Lopez, Pedro. Key-operated locks. 3,837,197, 9-24-74, Cl. 70-364.00a.

Lopez Sanchez, Demetrio, to Pilas Secas Jupiter, S.A. Sealing closure for electric batteries. 3,823,039, 7-9-74, Cl. 136-133.000.

Lopickes, Dolores V.: *See—*
Crotty, James M.; Geary, Daniel C.; Levy, Edward F.; Lopickes, Dolores V.; Raymond, Robert L.; and Siegal, Bernard, 3,833,720.

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Davis, James L.; Lopke, Edward L.; and Pechous, Leslie Joseph, 3,851,464.
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Lopker, Edwin B., to Pullman Incorporated. Crystallizer apparatus. 3,802,846, 4-9-74, Cl. 23-273.000.

Lopker, Edwin B., to Pullman Incorporated, mesne. Belt for a vacuum filter. 3,849,313, 11-19-74, Cl. 210-400.000.

Lopour, Warren A.: *See—*
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Henrickson, Kenneth E.; Keidl, Steven D.; and Lopour, Warren A., 3,845,378.

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Loquenz, Heinz; and Weber, Horst, to Waagner-Biro Aktiengesellschaft. Gas scrubbing method and apparatus. 3,818,681, 6-25-74, Cl. 55-90.000.

Loqvist, Kaj-Ragnar, to Fagersta Aktiebolag. Tyre stud. 3,786,849, 1-22-74, Cl. 152-210.000.

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Becker, Dustin J., 3,836,790.
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Chambers, Charles W., Jr.; and Kiko, Frederick J., 3,818,151.
Chambers, Charles W., Jr.; and Kiko, Frederick J., 3,818,338.
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Lorang, Pierre Edouard, to Societe des Fonderies de Pont-a-Mousson. Device for centering a centrifugal casting mould for tubular bodies. 3,796,253, 3-12-74, Cl. 164-291.000.

Loranger, Denis R. Method of building construction. 3,798,868, 3-26-74, Cl. 52-742.000.

Lorber, Herbert W. Radar cross-section measurement apparatus. 3,842,418, 10-15-74, Cl. 343-55.00a.

Lorber, Kenneth. Bowling ball return mechanism. 3,831,939, 8-27-74, Cl. 273-48.000.

Lorber, Peter G., to Lorber-Flinck Co. Magnetically attached cover. 3,805,872, 4-23-74, Cl. 160-354.000.

Lorber-Flinck Co.: *See—*
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Lorbergs, Janis G., to Bell & Howell Company. Card handling mechanism with movable card guiding means. 3,840,896, 10-8-74, Cl. 360-88.000.

Lorch, Eckehard; Sommer, Paul; and Tschirky, Hansjorg, to Hoffmann-La Roche, Inc. Automated apparatus for chemical analyses. 3,832,140, 8-27-74, Cl. 23-259.000.

Lorch, Leonard G. Universal interconnecting linkage for assembling mobiles and the like. 3,805,335, 4-23-74, Cl. 24-73.00r.

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Lordan, Jack M., to United States of America, Air Force. Reentry vehicle nose tip flight testing apparatus. 3,855,849, 12-24-74, Cl. 73-86.000.

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Lorenc, Allan L.; and Blumer, John E., to Highway Equipment Company. Truck body. 3,790,090, 2-5-74, Cl. 239-666.000.

Lorenc, Walter F.; and Berner, Roland A., to Nalco Chemical Company. Edta-organophosphonate composition for controlling scale. 3,804,770, 4-16-74, Cl. 252-180.000.

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Lorentz, Connie Wayne. Engine charge timing system. 3,791,354, 2-12-74, Cl. 123-90.120.

Lorentz, Guido; Stahl, Dieter; and Taunus, Kriftel, to Chemische Werke Albert Aktiengesellschaft, mesne. Furan resins modified with carboxy containing copolymer. 3,839,492, 10-1-74, Cl. 260-829.000.

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Lorenz, Hellmut, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Friction false-twisting device. 3,813,868, 6-4-74, Cl. 57-77.400.

Lorenz, Howard I.; and Rosser, Eugene P., said Rosser assor. to Noble Drilling Corporation. Method and arrangement for protecting and guiding drilling bits. 3,788,407, 1-29-74, Cl. 175-317.000.

Lorenz, Jerome L., to Ranco Incorporated. Heat motor. 3,782,122, 1-1-74, Cl. 60-531.000.

Lorenz, Jerome L., to Ranco Incorporated. Damper actuator controls for air conditioning systems. 3,826,963, 7-30-74, Cl. 318-471.000.

Lorenz, Johann; and Willeitner, Eberhardt, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Damping bearing. 3,833,274, 9-3-74, Cl. 308-143.000.

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Lorenz, Roman R. Resolution of 2-(p-hydroxy)phenylglycine. 3,832,388, 8-27-74, Cl. 260-471.00a.

Lorenz, Roman R.; and Brundage, Ruth Pauline, to Sterling Drug Inc. Alkyl 4-alkoxy-7-(pyridyl)-3-quinolinecarboxylates, their preparation and conversion to corresponding 4-oxo compounds. 3,840,544, 10-8-74, Cl. 260-287.00r.

Lorenz, Walter; Boshagen, Horst; Hammann, Ingeborg; and Behrenz, Wolfgang, to Bayer Aktiengesellschaft. Benzisoxazolo (thiono) phosphoric (phosphonic) acid esters. 3,819,644, 6-25-74, Cl. 260-307.00d.

Lorenz, Walter; Eue, Ludwig; and Hack, Helmuth, to Farbenfabriken Bayer Aktiengesellschaft. Method for selective weed control in beets. 3,823,006, 7-9-74, Cl. 71-94.000.

Lorenz, Walter; Boshagen, Horst; Hammann, Ingeborg; and Behrenz, Wolfgang, to Bayer Aktiengesellschaft. Benzisoxazolo (thiono) phosphoric (phosphonic) acid esters. 3,828,063, 8-6-74, Cl. 260-307.00d.

Lorenz, William K.; Sebesta, Edward C.; and McClellan, Charles L., to Sun Oil Company of Pennsylvania. Solid waste disposal process. 3,835,021, 9-10-74, Cl. 208-13.000.

Lorenzen, George Fred, Jr. Protective inner liner for truck bodies. 3,814,473, 6-4-74, Cl. 296-39.00r.

Lorenzen, Heinz-Christen, to Hauni-Werke Korber & Co. KG. Method and apparatus for monitoring the operation of tobacco processing machines or the like. 3,793,512, 2-19-74, Cl. 235-151.130.

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Lorenzo, Phyllis Kay. Snowman feature and accessory system. 3,841,019, 10-15-74, Cl. 46-16.000.

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Loria, Anthony, to Eastman Kodak Company. 1-Hydroxy-4-(pentafluorophenoxy)-N-[β-[4-[α-(2,4-di-t-amylphenoxy) · acetamido]phenyl] ethyl]-2-naphthamide. 3,822,248, 7-2-74, Cl. 260-207.000.

Loricchio, Domingos, to Carborundum Company, The. Process and compositions of rubber vulcanizates with silicone polymerizates. 3,789,050, 1-29-74, Cl. 260-41.50r.

Lorieux, Rene, to La Societe dite CLISALU. Device for transfer and positioning sealing capsules for feeding a bottle capping machine. 3,837,141, 9-24-74, Cl. 53-307.000.

Lorina, John; Aluisy, G. Ronald; Loud, Norman D.; and Rines, Robert H. Irradiated substance and compound and method of preparing the same. 3,819,820, 6-25-74, Cl. 424-1.000.

Loring, Martha F. Reader line guide. 3,807,349, 4-30-74, Cl. 116-119.000.

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Lorkin, Clive Graham; and Schiffarth, Josef, to Foseco International Limited. Protection of graphite electrodes. 3,852,107, 12-3-74, Cl. 117-228.000.

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Lorrek, Johannes, to Koppers, Heinrich, Gesellschaft mit beschrankter Haftung. Apparatus for receiving coke pushed from horizontal coke ovens. 3,840,436, 10-8-74, Cl. 202-263.000.

Lorteije, Jean Hubertus Josef; Schmidt, Ernst Machiel; and Van der Put, Henricus Cornelis Adrianus, to U.S. Philips Corporation. Push-button control member with push-through coupling. 3,829,646, 8-13-74, Cl. 200-159.00b.

Lorteije, Jean Hubertus Josef, to U.S. Philips Corporation. Integrated semiconductor device or element. 3,858,120, 12-31-74, Cl. 330-23.000.

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Los Angeles County Harbor General Hospital, The Attending Staff Association of the: *See—*
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Los, Marinus, to American Cyanamid Company. Disubstituted naphthalenone compounds. 3,821,308, 6-28-74, Cl. 260-586.00f.

Losch, Joseph D., to Susquehanna Air Motors, Inc. Air motor. 3,791,333, 2-12-74, Cl. 115-34.00r.

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Loschilin, Evgeny Dmitrievich; Borodin, Valerian Alexeevich; Zabotin, Alexandr Alexandrovich; Onikov, Eduard Arshakovich; and Galperin, Alexandr Lvovich. Beat-up mechanism for looms. 3,833,025, 9-3-74, Cl. 139-12.000.

Losco, Giuseppe; Reggio, Antonino, Michieli, Giannantonio; and Longoni, Angelo, to Montedison S.p.A. Oxime carbamate exerting a pesticidal action. 3,813,440, 5-28-74, Cl. 260-566.0ac.

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Losel, Walter; and Merz, Herbert, to Boehringer Ingelheim GmbH. Process for the preparation of acetyl derivatives of cardiac glycosides. 3,803,123, 4-9-74, Cl. 260-210.500.

Losel, Walter; Merz, Herbert; Hoefke, Wolfgang; and Traunecker, Werner, to Boehringer Ingelheim G.m.b.H. Carboxylic acyl derivatives of digoxin. 3,804,825, 4-16-74, Cl. 260-210.500.

Losell, Ernst Ingvar, to AB Emmaboda Glasverk. Multiple glazing unit. 3,837,129, 9-24-74, Cl. 52-309.000.

Losenhausen Maschinenbau AG.: *See*—
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Loseries, Peter; and Hayashi, Toshio, 50% to Minolta Camera Co. Ltd. and 50% to Leitz, Ernst, G.m.b.H. Swining-sector camera shutter with improved warning indicator. 3,785,264, 1-15-74, Cl. 95-55.000.

Loseries, Peter; and Hayashi, Toshio, to Minolta Camera Co., Ltd. and Leitz, Ernst, G.m.b.H. Swinging-sector camera shutter with warning indicator. 3,788,204, 1-29-74, Cl. 95-55.000.

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Losfeld, Andre. Universal projectile. 3,788,230, 1-29-74, Cl. 102-74.000.

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Lotan, Amram Zvi: *See*—
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Lotan, Amram Zvi; and Jen, Dixson Teh-Chao, to Bunker Ramo Corporation. Method and apparatus for interfacing with a central processing unit. 3,848,233, 11-12-74, Cl. 340-172.500.

Lotfallah, Lotfi H., to Gillette Company, The. Sabotage-proof marking instruments and elements therefor. 3,814,526, 6-4-74, Cl. 401-199.000.

Lotgering, Frederik Karel; Beekmans, Nicolaas Marinus; Van Der Steen, Gerardus Henricus Antonius Maria; and Heigne, Leopold, to U.S. Philips Corporation. Electrochemical cell comprising a solid electrolyte. 3,816,179, 6-11-74, Cl. 136-83.00r.

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Loth, Rene A., to Shell Oil Company. Hydrocracking of coal in molten zinc iodide. 3,790,468, 2-5-74, Cl. 208-10.000.

Loth, Rene A.; and Wald, Milton M., to Shell Oil Company. Hydrocracking coal in molten zinc iodide. 3,790,469, 2-5-74, Cl. 208-10.000.

Loth, Richard Bert. Toy building block. 3,854,237, 12-17-74, Cl. 46-26.000.

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Lowrance, Darrell J., to Lowrance Electronics, Inc. Automatic down rigger. 3,808,731, 5-7-74, Cl. 43-4.000.
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Lowrey, Erlend R.; and Weiss, Vernon E., to Procter & Gamble Company, The. Deep fat frying with EDTA esters to reduce darkening. 3,846,457, 11-5-74, Cl. 260-398.500.
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Lowther, Frank E., to Purification Sciences, Inc. Solid state frequency converter for corona generator. 3,784,838, 1-8-74, Cl. 250-536.000.
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Lowther, Robert C. Simulated football game. 3,807,734, 4-30-74, Cl. 273-94.00r.
Lowther, Robert C. Simulated golf game. 3,819,185, 6-25-74, Cl. 273-134.0cg.
Lowy, George W.; Conlon, Joseph M.; and Marcus, Byron E., to Baxter Laboratories, Inc. Multiple function spectrophotometer having an automatically stabilized chopped disc. 3,787,121, 1-22-74, Cl. 356-93.000.
Lowy, George W.; Priarone, Paul; and Cullis, Herbert M., to Baxter Laboratories, Inc. Dual wavelength photometer for absorbance difference measurements. 3,787,124, 1-22-74, Cl. 356-205.000.
Lowy, George W., to Baxter Laboratories, Inc. Multi-wavelength photometer employing a rotating variable wavelength filter. 3,811,781, 5-21-74, Cl. 356-188.000.
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Burmistrova, Tamara Petrovna; Bardina, Tatyana Alexandrovna; Galpern, Grigary Davidovich; Karaulova, Elena Nikolaevna; Luchai, Nonna Alexandrovna; Terpilovsky, Nikolai Nikolaevich; and Khitrik, Adolf Alexandrovich, 3,792,095.
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Luchetta, Julius Frank, to Litton Systems, Inc. Water resistant ballast construction. 3,851,225, 11-26-74, Cl. 317-120.000.
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Luchi, Vinicio. Circular knitting machine and articles knitted thereby. 3,832,867, 9-3-74, Cl. 66-9.00r.
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Luciano, Franco Paolo, to Rachelle Laboratories Italia S.p.A. Manufacture of α-6-deoxytetracyclines. 3,795,707, 3-5-74, Cl. 260-559.0at.
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Lucid, Michael Francis, to Kerr-McGee Corporation. Solvent extraction of metal ions using N-substituted hydroxamic acids. 3,821,351, 6-28-74, Cl. 423-9.000.
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Lucien, Paul Emile. Electric micromotor. 3,796,039, 3-12-74, Cl. 58-23.000.
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Luck, Egon. Sewage treatment. 3,801,499, 4-2-74, Cl. 210-11.000.
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Luck, James R.; and Zenk, Thomas N., to Honeywell Inc. Electrode. 3,822,199, 7-2-74, Cl. 204-195.00m.
Luck, Russell M.: *See—*
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Lodige, Wilhelm; Lodige, Fritz; and Lucke, Josef, 3,845,940.
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Luckenbach, Roy; and Funk, John, to Burlington Industries, Inc. Dyeing apparatus. 3,785,180, 1-15-74, Cl. 68-15.000.
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Luckenbill, Lawrence F., to Mueller Co. Joint for smooth end or flareless pipe. 3,815,940, 6-11-74, Cl. 285-105.000.
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Lucking, Hans Joachim; Noll, Walter; Buchner, Werner; Friederich, Klaus; and Niederprum, Hans, to Bayer Aktiengesellschaft. Perfluoro-alkane-sulphonamido substituted organo-silicon compounds and their production. 3,787,467, 1-22-74, Cl. 260-448.80r.
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Luczak, Joseph John, to Union Carbide Canada Limited. Cable with stripable insulation. 3,840,694, 10-8-74, Cl. 174-120.0sr.
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Ludder, Rodney E. Non-reusable nestable cup or container. 3,827,620, 8-6-74, Cl. 229-1.50b.
Ludena, Octaviano Roa. Steam cooker. 3,808,963, 5-7-74, Cl. 99-417.000.
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Luderssen, Hugo, to Bosch, Robert, Hausgeraete GmbH. Heat exchange unit. 3,799,255, 3-26-74, Cl. 165-122.000.
Ludewig, Manfred; and Romer, Hans-Konrad, to Rheinstahl AG. Control arrangement, especially for diesel engine. 3,841,291, 10-15-74, Cl. 123-198.0db.
Ludin, Ludwig: *See—*
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Ludington, Ralph S., to Borg-Warner Corporation, mesne. Process for producing dialkenyl dialkyl phosphonates. 3,801,682, 4-2-74, Cl. 260-969.000.
Ludington, Robert L.; and Holloway, Robert M. Empty-load braking apparatus. 3,794,146, 1-26-74, Cl. 188-195.000.
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Ludloff, Wolfgang, to Multiblitz Dr. Ing. D. A. Mannesmann GmbH & Co. KG. Flash lighting arrangement. 3,800,187, 3-26-74, Cl. 315-241.00s.
Ludloff, Wolfgang, to Multiblitz Dr. Ing. D.A. Mannesmann GmbH & Co. Electronic flashlight units. 3,808,500, 4-30-74, Cl. 315-158.000.
Ludlow Corporation: *See—*
Bryan, Robert C., Jr.; and Price, Joseph F., 3,810,328.
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Ludlow, Peter J.; and Tai, Eugenio, to International Business Machines Corporation. Bootstrap FET driven with on-chip power supply. 3,808,468, 4-30-74, Cl. 307-304.000.
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Ludt, William C., to Ethyl Corporation. Conductivity measurement system. 3,820,014, 6-25-74, Cl. 324-30.00r.
Ludtke, William P.; and Peterson, Carl R., to United States of America, Navy. Parachute pack with release mechanism. 3,817,179, 6-18-74, Cl. 102-4.000.
Ludvigsen, Hans Thorkil. Building element. 3,834,108, 9-10-74, Cl. 52-593.000.
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Ludvik, George F., to Monsanto Company. Mosquito control employing certain 2,6-disubstituted phenols. 3,839,586, 10-1-74, Cl. 424-337.000.
Ludwick, Ralph. Hose support. 3,810,490, 5-14-74, Cl. 138-106.000.
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Ludwig, Charles H., to Georgia-Pacific Corporation. Polyoxyalkylene lignin compositions and process for producing same. 3,795,665, 3-5-74, Cl. 260-124.00r.
Ludwig, Charles H., to Georgia-Pacific Corporation. Process for flocculation of solids from aqueous suspensions. 3,850,799, 11-26-74, Cl. 210-54.000.
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Ludwig, Frank A.: *See—*
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Ludwig, George, to Bendix Corporation, The. Altitude compensated vacuum amplifier. 3,828,743, 8-13-74, Cl. 123-117.00a.
Ludwig, Heinz-Georg: *See—*
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Ludwig, Howard C., to Westinghouse Electric Corporation. Liquid metal current-limiting device. 3,821,680, 6-28-74, Cl. 337-114.000.
Ludwig, Jerome H.; and Witsken, Kenneth J., to Emery Industries, Inc. Caged boron-nitrogen compounds. 3,804,875, 4-16-74, Cl. 26-462.00r.
Ludwig, John T.; and Steiner, Paul D., to Electromagnetic Industries Inc. Permanent magnet solenoid device. 3,786,383, 1-15-74, Cl. 335-231.000.
Ludwig, Klaus, to Siemens Aktiengesellschaft. Cooling box for installation in stacks of disk-cells. 3,823,771, 7-16-74, Cl. 165-80.000.
Ludwig, Lawrence P.; and Strom, Thomas N., to United States of America, National Aeronautics and Space Administration. Spiral groove seal. 3,782,737, 1-1-74, Cl. 277-27.000.
Ludwig, Louis. Snap action electric switch. 3,792,212, 2-12-74, Cl. 200-68.000.
Ludwig, Martin, to Siemens Aktiengesellschaft. Teleprinter having a type cylinder which is adjustable by means of a stepping motor. 3,816,656, 6-11-74, Cl. 178-34.000.
Ludwig, Martin; and Senger, Hanns Joerg, to Siemens Aktiengesellschaft. Code-controlled teleprinter having a type cylinder which can be adjusted by means of a stepping motor. 3,823,265, 7-9-74, Cl. 178-34.000.
Ludwig, Melvin S., to Eagle Electric Mfg. Co., Inc. Terminal connector for electric extension cord. 3,810,070, 5-7-74, Cl. 339-36.000.
Ludwig, Nelson H.; and White, William A., to Lilly, Eli, and Company. Stabilization of trans-diethylstilbestrol. 3,808,338, 4-30-74, Cl. 424-346.000.
Ludwig, Nelson H., to Lilly, Eli, and Company. Method of and composition for stabilizing transdiethylstilbestrol in animal feed rations. 3,851,065, 11-26-74, Cl. 424-346.000.
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Ludwig, Robert, to Goodrich, B. F., Company, The. Acrylate polymer latex compositions with aliphatic glycols and/or aliphatic glycol ethers. 3,790,520, 2-5-74, Cl. 260-29.60e.
Ludwig, Robert L. Attachment for chain saw. 3,808,684, 5-7-74, Cl. 30-382.000.
Ludwig Taprogge (Cleaning Installations for Pipe Heating Exchange) : *See—*
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Luebbe, Ray H., Jr.; and Byrne, John F., to Xerox Corporation. Manifold imaging member employing a fixative layer. 3,819,368, 6-25-74, Cl. 96-1.500.
Luebbe, Ray H., Jr., to Xerox Corporation. Imaging member and method. 3,850,626, 11-26-74, Cl. 96-1.00m.
Luebbe, Ray Henry, Jr., to Xerox Corporation. Manifold imaging method and member employing fundamental particles of alpha metal-free phthalocyanine. 3,854,943, 12-17-74, Cl. 96-1.500.
Lueck, Arthur M.; and Youch, Edward A., to Quantum Sensing, Incorporated. Filament tension detector. 3,800,162, 3-26-74, Cl. 250-572.000.
Lueck, Arthur M., to Quantum Sensing, Incorporated. Optical sensor system. 3,830,572, 8-20-74, Cl. 356-156.000.
Luecke, Juergen, to Sandoz Ltd. Process for the production of nitriles. 3,810,903, 5-14-74, Cl. 260-294.900.
Luedders, Wilmer L.; and Danneman, Douglas L., to Procter & Gamble Company, The. Dry powder aerosol antiperspirant composition incorporating dry powder antiperspirant active complex and process for its preparation. 3,792,068, 2-12-74, Cl. 260-429.300.
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Luerssen, Hermann: *See—*
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Luetzow, Edwin Jerome, to G.T. Schjeldahl Company. Flexible printed circuit interconnecting cable. 3,818,122, 6-18-74, Cl. 174-86.000.
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Luffy, Dennis J.; and Mosemiller, Robert L., to Miller Printing Machinery Co. Sheet delivery mechanism. 3,827,688, 8-6-74, Cl. 271-203.000.
Luft, Alfred N. Space heater. 3,796,209, 3-12-74, Cl. 126-59.500.
Luft, Leslie R.; and Murray, Daniel G., to Grain Processing Corporation. Food coating composition and process using same. 3,830,941, 8-20-74, Cl. 426-177.000.
Luft, Robert G.; and Halvorson, Leroy G., to International Harvester Company. Electro pneumatic shift control. 3,793,908, 2-26-74, Cl. 74-870.000.
Luft, Robert G., to International Harvester Company. Dual station throttle and service brake control means. 3,845,629, 11-5-74, Cl. 60-719.000.
Luft, Victor, to Honeywell Inc. Constant visibility electro-optic display. 3,799,647, 3-26-74, Cl. 350-150.000.
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Luger, Benjamin. Belt reversing mechanism. 3,855,637, 12-24-74, Cl. 2-301.000.
Luger, Paul P., to Pioneer Educational Society, The. Information storage and retrieval network. 3,803,581, 4-9-74, Cl. 340-324.00r.
Lugg, James R.; and Shite, Ralph L., to Transfresh Corporation. Fresh meat in a predominately carbon dioxide environment. 3,851,080, 11-26-74, Cl. 426-312.000.
Luginbuhl, Pierre, to Schweizerische Industrie-Gesellschaft. Device for feeding glue from a glue container to a glue applying head. 3,782,599, 1-1-74, Cl. 222-51.000.
Luginbuhl, Pierre, to Schweizerische Industrie-Gesellschaft. Device for separating and conveying of articles, for example, chocolate bars. 3,812,948, 5-28-74, Cl. 198-29.00r.
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Lui, Kenneth, to TRW Inc. Electroplating barrel with internal anode and cathode. 3,850,737, 11-26-74, Cl. 204-213.000.
Luich, Ronald Joseph, to Dresser Industries, Inc. Pressure venting instrument casing assembly. 3,795,148, 3-5-74, Cl. 73-431.000.
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Luisada, August G.; and Frieder, Leonard P., Sr.; deceased (by Frieder, Leonard P., Jr.; executor), to Gentex Corporation. Smooth operating cargo box. 3,853,238, 12-10-74, Cl. 220-1.500.
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Lukas, George N. Work-positioning table. 3,788,632, 1-29-74, Cl. 169-20.000.
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Lukas, Josef, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Percussion type photoflash lamp. 3,836,317, 9-17-74, Cl. 431-93.000.
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Lukasczyk, Hans, to Volkswagenwerk Aktiengesellschaft. Gauge for shiftable synchronizing swivel joints. 3,812,594, 5-28-74, Cl. 33-174.00r.
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Andoniev, Sergei Mikhailovich; Zilberman, Leonid Borisovich; Kudinov, Gennady Alexandrovich; Kutsykovich, Dorina Borisovna; Lukashev, Vladimir Afanasievich; Raikovsky, Jury Borisovich; and Filipiev, Oleg Vladimirovich, 3,818,870.
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Luke, John A., to Brown & Williamson Tobacco Corporation. Tobacco-smoke filters. 3,830,244, 8-20-74, Cl. 131-261.00b.
Luke, John A., to Brown & Williamson Tobacco Corporation. Production of tobacco-smoke filters. 3,855,032, 12-17-74, Cl. 156-199.000.
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Luke, Theodore E.; and Cummins, Stewart E., to United States of America, Air Force. Birefringence read $bi_4Ti_3O_{12}$ display and memory device. 3,807,830, 4-30-74, Cl. 350-150.000.
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Luke, William George; and Rickard, Garcie John, to English Clays Lovering Pochin & Company Limited. Plate filter presses. 3,807,298, 4-30-74, Cl. 100-122.000.
Luke, William George, to English Clays Lovering Pochin & Company Limited. Automatic remote control apparatus. 3,836,084, 9-17-74, Cl. 239-587.000.
Luke, William George; and Datson, David Pender, to English Clays Lovering Pochin & Company Limited. Swivel joints for pipes. 3,841,669, 10-15-74, Cl. 285-98.000.
Lukeman, John R. Apparatus and system for gaining access to conflagrations. 3,831,991, 8-27-74, Cl. 294-64.00r.
Lukeman, Thomas Craig; and Bohun, Robert Edward, to Imperial Chemical Industries of Australia and New Zealand Limited. Reaction product of an alkylene oxide condensate and sulfur. 3,822,299, 7-2-74, Cl. 260-399.000.
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Lum, Albert K. W. Apparatus for attaching objects to each other. 3,823,814, 7-16-74, Cl. 206-225.000.
Lum, John C.; and Beyer, Ronald F., to Colloids, Inc. Organic polymer chelants for iron and manganese ions. 3,790,610, 2-5-74, Cl. 260-429.00j.
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Lundberg, Robert D.; and Makowski, Henry S., to Esso Research and Engineering Company. Fabrication process for multiphased plastics. 3,842,154, 10-15-74, Cl. 264-294.000.
Lundberg, Robert D.; and Makowski, Henry S., to Exxon Research and Engineering Company. Process for fabricating an article from a multiphase copolymer composition. 3,852,096, 12-3-74, Cl. 117-47.00h.
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Lundgren, Claes E. G.; and Akesson, Stig L., to AGA Aktiebolag. Breathing apparatus. 3,827,432, 8-6-74, Cl. 128-142.200.
Lundgren, Evert Gustav, to Sandvikens Vernverks Aktiebolag. Cutting insert. 3,786,540, 1-22-74, Cl. 29-95.000.
Lundgren, Evert Gustav, to Sandvikens Vernverks Aktiebolag. Cutting inserts having two-stage chipbreaker. 3,786,541, 1-22-74, Cl. 29-95.00r.
Lundgren, Evert Gustav, to Sandvikens Vernverks Aktiebolag. Single-faced cutting insert. 3,792,515, 2-19-74, Cl. 29-95.000.
Lundgren, Jens Ove, to Rorkonsult for Fjarrvarne i Orebio AB. Method of fitting piping for a hot or cold fluid. 3,788,083, 1-29-74, Cl. 61-72.100.
Lundgren, William E. Temple roll. 3,812,561, 5-28-74, Cl. 29-121.00a.
Lundh, Stig Valdemar, to Aktiebolaget Swelex-Teknik. Piezoelectric gas lighter. 3,793,561, 2-19-74, Cl. 317-81.000.
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Lundqvist, Bengt Olof, to AB Gustavsbergs Fabriker. Mobile purifying plant for waste water. 3,810,543, 5-14-74, Cl. 210-152.000.
Lundqvist, Harald Oskar. Adjustable shelving structure. 3,785,301, 1-15-74, Cl. 108-109.000.
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Luong, Tri; and Luong, Jit K. Portable food storage and warmer carrying case. 3,805,018, 4-16-74, Cl. 219-387.000.
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Luongo, Michael C., to Westinghouse Electric Corporation. Electronic system and method for operating a steam turbine with independent overspeed protection especially adapted for a nuclear reactor powered steam turbine. 3,785,148, 1-15-74, Cl. 60-105.000.
Luongo, Michael C.; Martin, James A., Jr.; and Tapper, Donald N., to Westinghouse Electric Corporation. Electric power plant system and method for operating a steam turbine especially of the nuclear type preferably with electronic reheat control and an eletronic reheater. 3,792,583, 2-19-74, Cl. 60-686.000.
Luoni, Biagio, to USAG S.p.A. Trolley adapted to hold or to exhibit things or articles of different kinds. 3,834,725, 9-10-74, Cl. 280-79.200.
Lupert, Rosemarie. Method of producing continuous plastic shapes. 3,784,659, 1-8-74, Cl. 264-47.000.
Luperti, Harry E., to Pitney-Bowes, Inc. Automatic envelope opener. 3,828,634, 8-13-74, Cl. 83-94.000.
Lupinacci, Geno. Method of developing a proper golf club swing. 3,791,654, 2-12-74, Cl. 273-186.00a.
Lupinski, John H.; and McQuade, James M., to General Electric Company. Method for making polyimide coated conductors in a continuous manner. 3,850,773, 11-26-74, Cl. 204-181.000.
Lupinski, John H.; and Barnes, Wilson J., to General Electric Company. Electrocoating compositions and method for making same. 3,855,169, 12-17-74, Cl. 260-29.20n.
Lupkas, Raymond R.; and Grimaldi, Dominick L., to Pitney-Bowes, Inc. Flap turning and sealing system for postage meter mailing machine. 3,811,407, 5-21-74, Cl. 118-32.000.
Lupkas, Raymond R.; Freeman, Gerald C.; and Check, Frank T., Jr., to Pitney-Bowes, Inc. Computer responsive supplemental printer. 3,832,946, 9-3-74, Cl. 101-93.00c.
Lupo, Fritz J.; and Brining, Douglas E., to Feedmatic-Detroit, Inc. Orienting feed machanism. 3,815,731, 6-11-74, Cl. 198-33.00r.
Lupo, Joseph Paul. Automatic transmission shifting point and firmness variation control. 3,827,315, 8-6-74, Cl. 74-863.000.
Lupoli, Peter John, to Benrus Corporation. Watch. 3,842,585, 10-22-74, Cl. 58-23.000.
Luppi, Libero: *See—*
Bigi, Leonardo; and Luppi, Libero, 3,796,313.
Luppino, Antonio, to PPG Industries, Inc. Tempering glass sheets. 3,849,100, 11-19-74, Cl. 65-348.000.
Lupton, Homer B.; and Busby, Donald W., to Subterranean Tools Inc. Excavating machine. 3,850,253, 11-26-74, Cl. 173-23.000.
Lupton, Joseph D. Ionization chamber with a porous anode. 3,828,184, 8-6-74, Cl. 250-83.6ft.
Lupul, Silver, 30% to Canada-Cities Service, Ltd., 30% to Imperial Oil Limited, 30% to Atlantic Richfield Canada, Ltd. and 10% to Gulf Oil Canada Limited. Thermal dehydration of bitumen froth. 3,796,652, 3-12-74, Cl. 208-39.000.
Luque, Rafael Fernandez, to Shell Oil Company. Artificial seaweed cut from continuous band. 3,820,339, 6-28-74, Cl. 61-3.000.
Luqvist, Kaj Ragnar, to Fagersta Aktiebolag. Method of making a composite roller for hot and cold rolling. 3,807,012, 4-30-74, Cl. 29-148.40d.
Lura, Yukio: *See—*
Taguchi, Tatsuya; Lura, Yukio; and Takishima, Yoshiyuki, 3,852,774.
Luray, Howard L. Hammock package. 3,853,220, 12-10-74, Cl. 206-466.000.
Lurex N.V.: *See—*
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Lurie, Randolph D., to Continental Can Company, Inc. Laminate construction. 3,812,002, 5-21-74, Cl. 161-119.000.
Lusby, Walter S., to Westinghouse Electric Corporation. Platable foamed rodent control material. 3,816,610, 6-11-74, Cl. 424-17.000.
Luscher, Jakob, to Battelle Memorial Institute. Crystal oscillator in airtight enclosure with mobile wall portion forming trimmer condenser. 3,796,968, 3-12-74, Cl. 331-67.000.
Luscher, Jakob, to Battelle Memorial Institute. Arrangements for biasing the substrate of an integrated circuit. 3,845,331, 10-29-74, Cl. 307-304.000.
Luscher, Jakob. Assembly comprising a quartz oscillator delivering two-phase periodic signals and a divider for the frequency of said signals. 3,848,200, 11-12-74, Cl. 331-51.000.
Luscher, Thomas W.: *See—*
Datta, Ranasit K.; and Luscher, Thomas W., 3,790,490.
Luscher, Walter: *See—*
Geng, Peter; Guenat, Robert; Zollinger, Alfred; Luscher, Walter; Schawalder, Hansjorg, and Tschanen, Hanspeter, 3,788,368.
Luscombe, Gene A. Haystack wagon. 3,840,134, 10-8-74, Cl. 214-518.000.
Lush, John S.: *See—*

Lehman, James E.; and Lush, John S., 3,853,213.
Lush, John S., to Anchor Hocking Corporation. Crack-off apparatus for glass articles. 3,812,949, 5-28-74, Cl. 198-21.000.
Lusk, George E., to G & W Electric Specialty Company. High voltage cable termination. 3,796,821, 3-12-74, Cl. 174-73.00r.
Lusk, George E., to G&W Electric Specialty Company. Universal power cable joint with closed-cell sponge stress relief element. 3,800,064, 3-26-74, Cl. 174-73.00r.
Lusk, Walter D.: *See—*
Banks, Michael E.; Lusk, Walter D.; and Ottinger, Robert S., 3,829,558.
Luska, Zdenek, to Bobst, J., & Fils, S.A. Control apparatus for the registration of a printing press of the like. 3,858,052, 12-31-74, Cl. 250-548.000.
Lussem, Heribert: *See—*
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Lussi, Heinz: *See—*
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Lussier, Robert E., to General Motors Corporation. Valve rocker arm and pivot assembly. 3,841,280, 10-15-74, Cl. 123-90.390.
Lussling, Theodor: *See—*
Heilos, Johannes; Heimberger, Werner; Lussling, Theodor; and Weigert, Wolfgang, 3,840,648.
Hensel, Jorg; Lussling, Theodor; Noll, Ewald; Schaefer, Hans; Schreyer, Gerd; and Weigert, Wolfgang, 3,799,979.
Keller, Rudolf; Kruger, Manfred; Lussling, Theodor; Noll, Ewald; Schreyer, Gerd; Tanner, Herbert; and Weigert, Wolfgang, 3,799,949.
Lust, David A. Modular storage unit and structures formed therefrom. 3,822,924, 7-9-74, Cl. 312-111.000.
Lust, Sigmund: *See—*
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Schneider, Gerhart; Lust, Sigmund; Niethammer, Konrad; Jacobi, Ernst; Erdmann, Dietrich; and Mohr, Gunther, 3,843,714.
Lustenberger, Hans, to Fischer, Georg, Aktiengesellschaft. Device for making nodular cast iron. 3,825,240, 7-23-74, Cl. 266-34.00t.
Luszczak, Myron Michael, to United States Gypsum Company. Stable wax sizing composition and method of sizing cellulosic fiber products. 3,847,637, 11-12-74, Cl. 106-271.000.
Lutchansky, Milton; and Township, Randolph, to Bell Telephone Laboratories, Incorporated. Waveguide structure utilizing roller spring supports. 3,786,379, 1-15-74, Cl. 333-98.00r.
Lutes, Wilbur J.: *See—*
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Luth, Friedrich August Karl. Method and apparatus for injecting oil into the tuyeres of a blast furnace. 3,833,356, 9-3-74, Cl. 75-41.000.
Luther, Elmer M.; and Okumura, Setsuo A., to TRW Inc. Deployable annular solar array. 3,817,477, 6-18-74, Cl. 244-1.0ss.
Luther, Harald Johan, to Misomex Aktiebolag. Method for preparing printing forms and the like for continuous patterns. 3,794,486, 2-26-74, Cl. 96-37.000.
Luther, Paul J.: *See—*
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Luther, Philip. Ladder leveling and stabilizing means. 3,805,917, 4-23-74, Cl. 182-200.000.
Luther, Richard L.: *See—*
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Luther, Thomas M.: *See—*
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Luthi, Christian: *See—*
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Luthi, Christian, to Ciba-Geigy AG. Novel alkyl-benzoxazolyl-phenyl stilbenes. 3,850,914, 11-26-74, Cl. 260-240.0ca.
Luthi, Oscar, to Improved Machinery Inc. Drum including annular grid structure. 3,781,957, 1-1-74, Cl. 29-121.00r.
Luthi, Oscar, to Improved Machinery Inc. Rotary drum filtering apparatus and unitary drainage sectors therefor. 3,794,178, 2-26-74, Cl. 210-404.000.
Luthi, Oscar; and Rich, John P., to Improved Machinery Inc. Shower apparatus. 3,795,319, 3-5-74, Cl. 210-409.000.
Luthi, Oscar, to Improved Machinery, Inc. Drum structure for rotary drum filtering apparatus. 3,837,499, 9-24-74, Cl. 210-404.000.
Luthy, Richard G.: *See—*
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Lutke Cossmann, Theodor, to Polysius AG. Lifting wall construction for a tube mill or the like. 3,799,458, 3-26-74, Cl. 241-70.000.
Lutole, Hans, to Salvis AG. Steam pressure cooker with safety device. 3,823,657, 7-16-74, Cl. 99-337.000.
Lutron Electronics Co., Inc.: *See—*
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Lutseenko, Vadim Nikolaevich: *See—*
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Lutter, Edward P.: *See—*
Edstrom, Gene H.; Lutter, Edward P.; and Robinson, Francis L., 3,798,613.
Luttmer, Willem, to International Computers Limited. Electrical connector devices. 3,795,037, 3-5-74, Cl. 29-638.000.
Luttmer, Willem, to International Computers Limited. Methods of forming circuit interconnections. 3,835,531, 9-17-74, Cl. 29-526.000.
Luttrell, John E.: *See—*
Green, John S.; Luttrell, John E.; and Schmitz, James E., 3,828,934.
Luttrell, Richard W., to Caterpillar Tractor Company. Vehicle counterweight apparatus. 3,853,231, 12-10-74, Cl. 214-142.000.
Lutts, Carlton G.: *See—*
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Lutts, Carlton G.; and Stewart, James R., to USM Corporation. Mechanism for separating flexible plies from a stack. 3,856,294, 12-24-74, Cl. 271-10.000.
Lutz, Albert William: *See—*
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Lutz, Albert William; and Trotto, Susan Hensen, to American Cyanamid Company. Process for the preparation of certain N-3-substituted-6-(trichloromethyl) uracils. 3,838,128, 9-24-74, Cl. 260-260.000.
Lutz, Albert William; and Feeny, Richard William, to American Cyanamid Company. Use of 6-(trifluoromethyl) hydrouracils as herbicides. 3,843,348, 10-22-74, Cl. 71-92.000.
Lutz, Alfons, to Webasto-Werk W. Baier KG. Control device for power operated automobile sliding roofs. 3,829,155, 8-13-74, Cl. 296-137.00f.
Lutz, David E. Article handling system. 3,802,588, 4-9-74, Cl. 214-519.000.
Lutz, David Edward. Load-transfer device. 3,809,268, 5-7-74, Cl. 214-512.000.
Lutz, Dieter: *See—*
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Lutz, Eugen, Jr.: *See—*
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Lutz, Eugene F., to Shell Oil Company. Ethylene oligomerization process. 3,825,615, 7-23-74, Cl. 260-683.15d.
Lutz, Friedrich, to Ruti Machinery Works Ltd. Arrangement for braking the picker stick of a loom. 3,782,423, 1-1-74, Cl. 139-166.000.
Lutz, George H. Heating system. 3,813,036, 5-28-74, Cl. 237-2.00r.
Lutz, Gerhard: *See—*
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Lutz, Gerhard; and Veil, Karl, to Bosch, Robert, G.m.b.H. Wear equalizing arrangement for the valve plate of an axial piston machine. 3,800,673, 4-2-74, Cl. 91-487.000.
Lutz, Gilbert F., to Warner & Swasey Company, The. Coupling assembly. 3,798,722, 3-26-74, Cl. 29-48.500.
Lutz, Karl: *See—*
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Lutz, Roman, to Siemens Aktiengesellschaft. System for indicating parity-disturbing interferences in transmissions for teleprinters. 3,812,290, 5-21-74, Cl. 178-23.00a.
Lutz, Verna. Convertible broom rake. 3,855,766, 12-24-74, Cl. 56-400.180.
Lutz, Walter: *See—*
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Luukkonen, Paavo O. Rotary engine with cushioning device for the partition. 3,810,724, 5-14-74, Cl. 418-248.000.
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Luursema, Meerten; Palmers, Hilbert; and Wijsboom, Dan Bernardus, to U.S. Philips Corporation. DC-AC converter. 3,818,312, 6-18-74, Cl. 321-44.000.
Luursema, Meerten; and Bolhuis, Pieter Jan, to U.S. Philips Corporation. Arrangement for the controllable supply of an electric lamp. 3,845,350, 10-29-74, Cl. 315-291.000.
Luvara, Anthony; and Mitchell, Thomas J., to Pitney-Bowes, Inc. Adjustable compartment size storage unit. 3,807,572, 4-30-74, Cl. 211-10.000.
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Lux, Adalbert A., to Xerox Corporation. Light attenuator. 3,819,259, 6-25-74, Cl. 355-3.000.

Lux, Benno: *See—*
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Lux, Daniel: *See—*
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Luxembourgeoise de Brevets et Participatiars: *See—*
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Luxon, Norval N., Jr., to Communications Development Corporation. Animated display. 3,807,072, 4-30-74, Cl. 40-106.520.

Luxor Industri Aktiebolag: *See—*
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Luy, Hasso. Method and apparatus for leak testing of filled-up and closed containers. 3,847,013, 11-12-74, Cl. 73-40.700.

Luz, David Warren, to RCA Corporation. Television deflector circuit with transformerless coupling between the driver and output stage. 3,801,857, 4-2-74, Cl. 315-27.0td.

Luz, Hans G.: *See—*
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Luz, Hans G., to Institut Dr. Friedrich Forster. Apparatus for monitoring test animal activity. 3,803,571, 4-9-74, Cl. 340-258.00c.

Luz, Rudolf, to Maschinenfabrik Schweiter AG. Winding apparatus. 3,819,123, 6-25-74, Cl. 242-18.0pw.

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Luzaich, Samuel: *See—*
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Lyall, Angus Alexander; and Lundy, Cecil Norton, to Nabisco, Inc. Cereal coating composition and process. 3,792,183, 2-12-74, Cl. 426-307.000.

Lyall, Angus Alexander; and Johnston, Robert John, to Nabisco, Inc. Emulsified oil and sugar cereal coating and process using same. 3,840,685, 10-8-74, Cl. 426-201.000.

Lyall, Charles E., to Culligan International Company. Method of sterilizing reverse osmosis water treatment units. 3,850,797, 11-26-74, Cl. 210-23.000.

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Lyamenkova, Evgenia Kuzminichna: *See—*
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Lyass, Abram Moiseevich; Borsuk, Pavel Afanasievich; Usubov, Zokhrab Gamid Ogly; Kuznetsov, Viktor Georgievich; Kagan, Naum Yakovlevich; Razumeev, Jury Alexeevich; Bortnik, Vladimir Mironovich; and Korenbljum, Isai Volfovich. Method of producing foundry molds and cores. 3,804,641, 4-16-74, Cl. 106-38.200.

Lybbert, Lyle Dean; and Atwood, Daniel H., to Atwood, Daniel H. Core tray. 3,782,582, 1-1-74, Cl. 220-23.600.

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Lyde, Derek Martin, to Albright & Wilson Limited. Additive for the electrodeposition of copper. 3,784,454, 1-8-74, Cl. 204-52.00r.

Lyde, Derek Martin, to Albright & Wilson Limited. Electrodeposition of nickel. 3,804,727, 4-16-74, Cl. 204-49.000.

Lyden, Frank J., to Oil-Rite Corporation. Liquid level gauge. 3,820,397, 6-28-74, Cl. 73-328.000.

Lydick, Leslie B., to B. F. Goodrich Company, The. Vinyl halide plastisol compositions containing a carboxylic polymer. 3,835,116, 9-10-74, Cl. 260-17.45g.

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Lykov, Mikhail Vasilievich; Rybalchenko, Gleb Fedorovich; Korotkov, Mikhail Alexeevich; Dobrovolsky, Evgeny Ivanovich; Rudenko, Inna Lukinichna; Avilov, Oleg Vladimirovich; and Bljumberg, Yakov Benedictovich; deceased (by Bljumberg, Anna Benedictovna; exectrix). Method of production of granulated product. 3,849,233, 11-19-74, Cl. 159-48.00r.

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Lyman, Richard C.: *See—*
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Lyman, Walter G.; and Fetterman, Ted L., to Westinghouse Electric Corporation. U-tube steam generator with segment superheater. 3,807,365, 4-30-74, Cl. 122-32.000.

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MacArthur, Donald Morley; and Skurkiss, Peter Kenny, to Bell Telephone Laboratories, Incorporated. Technique for selective etching of gold and etchant therefor. 3,846,196, 11-5-74, Cl. 156-8.000.
Macaulay, William R.; Feldhake, Ralph H.; Higgins, Dale G.; and Santa Maria, Richard C., to ESB Incorporated. Battery sealant carrier having adhesive patches impregnated therein and a method for making it. 3,784,414, 1-8-74, Cl. 136-175.000.
MacCarthy, Richard W. Electrochemical cell with catalyzed acid peroxide electrolyte. 3,825,445, 7-23-74, Cl. 136-83.00r.
MacChesney, John B.; Pinnow, Douglas Arthur; and Van Uitert, Legrand Gerard, to Bell Telephone Laboratories, Incorporated. Optical transmission line. 3,806,224, 4-23-74, Cl. 350-96.0wg.
Macchi, Romualdo. Assembly method for beam structures. 3,788,023, 1-29-74, Cl. 52-741.000.
Macchione, John M. Lamination stacking machines. 3,798,735, 3-26-74, Cl. 29-203.001.
MacClaren, Robert H., to MacClaren, Shirley Atkins. Bismuth subcompounds and their methods of preparation. 3,840,575, 10-8-74, Cl. 260-447.000.
MacClaren, Shirley Atkins: *See—*
MacClaren, Robert H., 3,840,575.
Macco Oil Tool Co., Inc.: *See—*
Brown, Joe R.; and Johnson, Joseph L. (said Johnson assor. to), 3,799,269.
Dinning, Robert W., 3,799,259.
Dinning, Robert W., 3,827,491.
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MacCone, Paul L. Hanger. 3,841,540, 10-15-74, Cl. 223-87.000.
MacDaniel, Gene; and McElvy, Howell T., to Sweetheart Plastics, Inc. Apparatus for making plastic buckets. 3,846,207, 11-5-74, Cl. 156-443.000.
MacDermid Incorporated: *See—*
Bartolini, Michael G.; and Horner, Edmund E., 3,838,022.
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,784,440.
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,793,106.
Grunwald, John J.; D'Ottavio, Eugene D.; Rhodenizer, Harold L.; and Lombardo, Michael S., 3,798,096.
Grunwald, John J.; Rhodenizer, Harold L.; and Slominski, Leo J., 3,819,497.
Kinder, David H., 3,843,430.
Kuzmik, John J., 3,790,400.
Kuzmik, John J., 3,817,774.

Mersereau, Mark; Rhodenizer, Harold L.; Grunwald, John J.; and Innes, William P., 3,854,973.

MacDonald, Alan A., to Stauffer Chemical Company. Alkyloxalyl amino-s-triazines. 3,856,793, 12-24-74, Cl. 260-249.800.

MacDonald, Alfred P. Sander scraping attachment. 3,811,160, 5-21-74, Cl. 29-76.00a.

MacDonald, Copthorne: *See—*
Felsenheld, Robert A.; and MacDonald, Copthorne, 3,852,759.

MacDonald, Donald M., to International Paper Company. Preparation of a calcium and magnesium ion sequestrant. 3,790,561, 2-5-74, Cl. 260-212.000.

MacDonald, Francis X.; and MacDonald, Paul M., to P. X. Industries, Inc. Cabinet door restraint. 3,785,685, 1-15-74, Cl. 292-288.000.

MacDonald, Ira A.; Egan, Richard R.; and Lampson, Sidney B., to Ashland Oil, Inc. Emulsifier for frozen confections. 3,821,442, 6-28-74, Cl. 426-356.000.

MacDonald, John Angus; and Wyeth, Harold William Gerald, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Closeable containers having means for suppressing fire and/or exposions. 3,822,807, 7-9-74, Cl. 220-88.00r.

MacDonald, John MacKillop; and Hong, Charles Chuan-Chi, to Esso Research and Engineering Company. Countercurrent lube extraction with dual solvent system. 3,843,515, 10-22-74, Cl. 208-326.000.

MacDonald, Kenneth Donald. Apparatus for ensuring or encouraging the wearing of safety belts in vehicles. 3,787,804, 1-22-74, Cl. 340-52.00e.

MacDonald, Paul M.: *See—*
MacDonald, Francis X.; and MacDonald, Paul M., 3,785,685.

MacDonald, Richard C.; and Martin, Noel E., to Canadian International Paper Company. Stabilized absorbent pad. 3,856,012, 12-24-74, Cl. 128-284.000.

MacDonald, Robert D., to Cardinal of Adrian, Inc. Door latch set. 3,829,137, 8-13-74, Cl. 292-171.000.

MacDonald, Robert D., to Cardinal of Adrian, Inc. Door latch set. 3,853,341, 12-10-74, Cl. 292-171.000.

MacDonald, Robert Neal, to Du Pont de Nemours, E. I., and Company. 1,2,5-Thiadiazole polyesters. 3,786,028, 1-15-74, Cl. 260-75.00n.

MacDonald, Robert Neal, to Du Pont de Nemours, E. I., and Company. 1,2,5-Thiadiazole polymers. 3,855,183, 12-17-74, Cl. 260-78.30r.

MacDonald, Ronald A. Free piston engine. 3,835,824, 9-17-74, Cl. 123-46.00r.

MacDonald, Stuart G., to Eastman Kodak Company. Turntable stopping apparatus. 3,797,636, 3-19-74, Cl. 198-210.000.

MacDonald, Thomas Richard, to Sperry Rand Corporation. Multiprocessor system with multiple cache memories. 3,848,234, 11-12-74, Cl. 340-172.500.

MacDonald, William; and Pan, Chuen-Yong, to Alberta Helium Limited, mesne. Method for drying water-wet membranes. 3,842,515, 10-22-74, Cl. 34-9.000.

MacDonald, William G. Dispensing package for feeding of infants. 3,804,952, 4-16-74, Cl. 426-117.000.

MacDonald, William Ronald, to National Research development Corporation. Angular accelerometers. 3,810,393, 5-14-74, Cl. 73-505.000.

MacDonnell, Robert W., to Allied Filter Engineering, Inc. Rectangular filter bag. 3,830,042, 8-20-74, Cl. 55-341.000.

MacDonnell, Robert W.; and Shander, Otto A., to Mac, R.W., Company. Automatic visual hand brake system. 3,854,417, 12-17-74, Cl. 105-1.00a.

MacDonnell, Robert W., to Unity Railway Supply Co., Inc. Resilient journal box stop block. 3,854,782, 12-17-74, Cl. 308-38.000.

MacDougall, John A.: *See—*
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MacDowell, John F.: *See—*
Giffen, James W.; Duke, David A.; Dumbaugh, William H., Jr.; Flannery, James E.; MacDowell, John F.; and Megles, John E., 3,849,097.

MacDowell, Warren L.; and Nailos, William F., to Namac Research Laboratories, Inc. Discone antenna. 3,787,865, 1-22-74, Cl. 343-703.000.

MacDuff, Richard, to Hercules Incorporated. Process for blow molding containers utilizing double pinch. 3,798,295, 3-19-74, Cl. 264-99.000.

Mace, Dennis Geoffrey Wallace: *See—*
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Mace, Jacques; and Eschger, Philippe Hubin, to Societe Nationale des Petroles d'Aquitaine. Polymerization of vinyl compounds in suspension. 3,817,965, 6-18-74, Cl. 260-93.50w.

Mace, Jacques; and Pornin, Rene, to Societe Nationale des Petroles d'Aquitaine. Modification of organic polymers. 3,817,967, 6-18-74, Cl. 260-93.50a.

Mace, Orville F. Shutoff device for wells. 3,789,689, 2-5-74, Cl. 72-407.000.

Macek, Warren M., to Sperry Rand Corporation. Ring laser magnetic bias mirror compensated for non-reciprocal loss. 3,851,973, 12-3-74, Cl. 356-106.01r.

MacEwan, George E., to Phillips Petroleum Company. Gable top contianer. 3,825,168, 7-23-74, Cl. 229-179.000.

Macewan, William Ritchie: *See—*
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MacFarlan Smith Limited: *See—*
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Reid, Kenneth Cathro, 3,845,129.

MacFarland, Charles H., to Scott & Fetzer Company, The. Vacuum intake safety means. 3,781,941, 1-1-74, Cl. 15-339.000.

MacFarland, Charles H.; and Papp, Alexander A., to Scott & Fetzer Company, The. Hard surface floor cleaner. 3,789,449, 2-5-74, Cl. 15-4.000.

MacFarland, Charles H., to Scott & Fetzer Company, The. Drive means for vacuum cleaner. 3,790,987, 2-12-74, Cl. 15-392.000.

MacFarland, Charles H., to Scott & Fetzer Company, The. Filter bag cleaning means. 3,797,064, 3-19-74, Cl. 15-351.000.

MacFarland, Charles H., to Scott & Fetzer Company, The. Shag rug fluffer. 3,825,972, 7-30-74, Cl. 15-373.000.

MacFarlane, Alistair C.: *See—*
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MacGillis, Donald J. Metal window construction with clamped corner joints. 3,785,090, 1-15-74, Cl. 49-425.000.

MacGovern, Alan J., to Itek Corporation. Encoder readout system. 3,812,352, 5-21-74, Cl. 250-23.0zg.

MacGovern, Alan J.; and O'Brien, John A., to Itek Corporation. Optical encoder using diffraction imagery in a reflective mode. 3,842,261, 10-15-74, Cl. 250-231.0se.

MacGregor, Douglas: *See—*
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MacGregor, Douglas. Electrowinning of ores. 3,856,443, 9-17-74, Cl. 204-105.00m.

MacGregor, Duane F.: *See—*
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MacGregor, John James: *See—*
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MacGregor, Paul T.: *See—*
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Karger, Eva R.; and MacGregor, Paul T., 3,816,124.
Karger, Eva R.; and MacGregor, Paul T., 3,816,453.

MacGregor, William Roderick: *See—*
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MacGregor, William W., to Honeywell Information Systems Inc. Transparent multiplexer communication transmission system. 3,826,872, 7-30-74, Cl. 179-15.00a.

MacGregor-Comarain: *See—*
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MacGregor-Comarain S.A.: *See—*
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MacGuire, Andrew E., to Ferry Cap & Set Screw Company, The. Valve device and system employing the same. 3,799,132, 3-26-74, Cl. 123-119.00d.

MacGuire-Cooper, Richard Terence. Valves. 3,856,263, 12-24-74, Cl. 251-347.000.

Mach, Lumir: *See—*
Chvalovsky, Vaclav; Mach, Lumir; and Machova, Helena, 3,854,986.

Mach, Thomas F. Apparatus for imparting gloss to soap. 3,784,533, 1-8-74, Cl. 264-146.000.

Mach, Wolfgang: *See—*
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Macha, Frank J., Jr.: *See—*
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Machacek, Frantisek; Minarik, Josef; Rossa, Lubomir; Koristek, Zdenek; and Brandstadter, Miroslav, to Vyzkumny ustav pletarsky. Weft knitted fabric and method of producing the same. 3,785,178, 1-15-74, Cl. 66-196.000.

Machacek, Jiri: *See—*
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Vit, Jaroslav; Casensky, Bohuslav; Mamula, Milan; and Machacek, Jiri, 3,829,449.

Machado, Joseph G. Cleaning apparatus for automobiles with indirect heat exchange for heating the cleaning fluid. 3,785,363, 1-15-74, Cl. 126-350.00r.

Machado, Mark A.; and Forchini, James F., to Ecodyne Corporation, mesne. Pipe joint. 3,829,107, 8-13-74, Cl. 277-207.000.

Machamer, Roy J.: *See—*
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Machanian, William V.; and Wheelwright, Robert W., to Wurlitzer Company, The. Money receiving and credit accumulator system. 3,815,720, 6-11-74, Cl. 194-15.000.

Macharg, James Adrian. Battery chargers. 3,800,208, 3-26-74, Cl. 320-20.000.

Machek, John A., to Wagner Electric Corporation. Anti-skid mechanism. 3,786,722, 1-22-74, Cl. 91-26.000.

Machek, John A., to Wagner Electric Corporation. Anti-skid mechanism. 3,809,125, 5-7-74, Cl. 137-625.650.

Machek, John A., to Wagner Electric Corporation. Antilock brake system and control valve therefor. 3,854,501, 12-17-74, Cl. 137-627.500.

Machen, James F. Folding chair frame. 3,838,883, 10-1-74, Cl. 297-45.000.

MacHenry, Richard, to FMC Corporation. Spectrophotometer attachment for testing yarn dyeing qualities. 3,791,745, 2-12-74, Cl. 356-244.000.

Macher, Karl, to Schneider, Jos., & Co. Optische Werke. High-speed varifocal objective system. 3,820,876, 6-28-74, Cl. 350-184.000.

Macher, Karl, to Schneider, Jos., & Co. Optische Werke. High-speed varifocal objective system. 3,827,786, 8-6-74, Cl. 350-186.000.

Macher, Stephen: *See—*
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Machet, Michael W. Method of manufacturing a simulated stained glass article. 3,848,046, 11-12-74, Cl. 264-279.000.

Machi, Kuzuu: *See—*
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Machi, Sueo; Matui, Yasushi; Kurihara, Hirondo; Hibi, Yoshiharu; Yagi, Toshiaki; Shinano, Takayuki; and Takehisa, Masaaki, to Japan Atomic Energy Research Institute, Maruzen Oil Company Limited and Mitsubishi Kakoki Kaisha Ltd. Calcium sulfite compositionsfor plastic composite. 3,832,207, 8-27-74, Cl. 106-308.00m.

Machida, Isamu: *See—*
Umezawa, Sumio; Machida, Isamu; Shiotsu, Susumu; Yokota, Kimio; Makino, Shigehide; Kawaguchi, Gaku; and Honda, Kazutoshi, 3,819,834.

Machida, Jyusaku: *See—*
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Machida, Shunichi; Tsujita, Masaharu; Nakaya, Shintaro; and Ueno, Ryoji, to Ebara Manufacturing Co., Ltd. Multiple effect evaporator apparatus. 3,820,581, 6-28-74, Cl. 159-13.00a.

Machida, Takayasu: *See—*
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Machinenfabrik Reinhausen Gebruder: *See—*
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Machinenfabrik Sack GmbH: *See—*
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Machinenfabrik Spaichingen GmbH: *See—*
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Machkova, Zuzana: *See—*
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Dolejs, Ladislav; Machkova, Zuzana; Beran, Pavel; Kahovcova, Jitka; Slama, Karel; and Sorm, Frantisek, 3,847,907.

Machlan, George R., to Owens-Corning Fiberglas Corporation. Electric furnace. 3,806,621, 4-23-74, Cl. 13-6.000.

Machlanski, Sigmund H. Orchard heating system and burner. 3,825,183, 7-23-74, Cl. 236-93.000.

Machleder, Warren H.; and Kuhn, Robert R., to Rohm & Haas Company. Detergent motor fuel. 3,782,912, 1-1-74, Cl. 44-66.000.

Machleder, Warren H.; and Kuhn, Robert, to Rohm and Haas Company. Motor fuel composition. 3,846,089, 11-5-74, Cl. 44-58.000.

Machleidt, Hans: *See—*
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Holland, William P.; and Koller, Thomas J., 3,821,581.
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Machmer, James Andrew, to International Business Machines Corporation. High speed printing system with heated roll fuser. 3,794,417, 2-26-74, Cl. 355-3.000.

Machner, Peter: *See—*
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Machner, Peter J. V.: *See—*
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Macho, Helmut, to Saurer, Adolph, Ltd. Device for engaging and disengaging the dobby shaft and picking shaft of looms. 3,828,824, 8-13-74, Cl. 139-1.00e.

Machova, Helena: *See—*
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Machtolf, Hans: *See—*
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Machurat, Jean: *See—*
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Maciag, Edmund T., to Vernitron Corporation. Piezoelectrically controlled solid state switching circuit. 3,796,895, 3-12-74, Cl. 307-278.000.

Maciag, Edmund T., to Vernitron Corporation. Solid state switching circuit employing a selectively damped piezoelectric resonator to control a thyristor circuit. 3,824,486, 7-16-74, Cl. 331-65.000.

Maciag, Edmund T., to Vernitron Corporation. Piezoelectric mounting with variable damping. 3,843,898, 10-22-74, Cl. 310-8.200.

Macias, Julian F., to Waste King Corporation. Food waste disposer mounting system with dishwasher drain connection. 3,801,998, 4-9-74, Cl. 4-191.000.

Macindoe, George F.: *See—*
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Macinnis, Martin B.: *See—*
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MacIntyre, Alfred J., Jr., to Sanders Associates, Inc. Gaseous discharge device. 3,848,248, 11-12-74, Cl. 340-324.00m.

MacIntyre, John S.: *See—*
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Wiesler, Mordechai; and Macintyre, John S., 3,810,017.

Macintyre, John S.; and Kirkpatrick, Johnny T., to Teledyne, Inc. Precision positioning mechanism, particularly for positioning test probes and the like with respect to micro-electronic units. 3,792,615, 2-19-74, Cl. 74-44.000.

Maciula, L. Andrew, to Oklahoma State University. Hydroclone for separating an immiscible heavy phase from a light phase liquid. 3,784,009, 1-8-74, Cl. 210-114.000.

MacIvergan, Robert G.: *See—*
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Mack, Anthony M.: *See—*
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Mack, Gary Lee; and Hartful, David Carlton Casderbera. Belt. 3,840,903, 10-15-74, Cl. 2-338.000.

Mack, Horst: *See—*
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Mack, Leeqett. Apparatus for molding and cooking egg products. 3,791,285, 2-12-74, Cl. 99-419.000.

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Mack, Raymond E.; Patel, Kiritkumar R.; and Crist, Edward C., to Eaton Corporation. Counterweighted torque transmitting mechanism. 3,856,124, 12-24-74, Cl. 192-88.00b.
Mack, Richard B., to Northeast Fluidics, Inc. Electro-pneumatic device. 3,817,488, 6-18-74, Cl. 251-30.000.
Mack, Robert, to PPG Industries, Inc. Mercury cell anode short detection and current balancing. 3,853,723, 12-10-74, Cl. 204-99.000.
Mack, Ronald H.; and Bortins, John, to Burroughs Corporation. Self-tensioning and re-inking ribbon cartridge for endless ribbons. 3,831,731, 8-27-74, Cl. 197-168.000.
Mack, Ronald H.; and Bortins, John, to Burroughs Corporation. Incremental feed device for advancing paper tape, record cards and an inked ribbon in a printer. 3,840,107, 10-8-74, Cl. 197-127.00r.
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Mack, William S. Hobby kit for sculpturing. 3,815,264, 6-11-74, Cl. 35-26.000.
Mack-Wayne Plastics Company: *See—*
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Mackal, Glenn H. Inflation manifold. 3,809,288, 5-7-74, Cl. 222-5.000.
Mackal, Glenn H.; and Lardner, George E., to Halkey-Roberts Corporation. Check valve. 3,831,629, 8-27-74, Cl. 137-525.000.
Mackay, Anthony. Reflecting telescope system. 3,791,713, 2-12-74, Cl. 350-83.000.
MacKay, George R. Point-vector concept assessment method and apparatus. 3,831,295, 8-27-74, Cl. 35-22.00r.
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Mackay, Joseph H., Jr.: *See—*
Haigh, Jack M.; and Mackay, Joseph H., Jr., 3,844,072.
MacKay, Kenneth D.; and Rogier, Edgar R., to General Mills Chemicals, Inc. Alicyclic diisocyanates. 3,799,965, 3-26-74, Cl. 260-453.00a.
MacKay, Michael T. Silver recovery. 3,840,217, 10-8-74, Cl. 266-22.000.
MacKay, Patrick W.: *See—*
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Celada, Juan; Mackay, Patrick W.; and Martinez, Enrique R., 3,816,102.
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Macke, Gerald Fred: *See—*
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Macken, Elmer N., to Olin Corporation. Anode adjustment means for mercury cathode electrolytic cells. 3,798,149, 3-19-74, Cl. 204-225.000.
Macken, John A., to Rockwell International Corporation. Cumulative optical frequency shifter. 3,834,790, 9-10-74, Cl. 350-157.000.
Macken, Thomas: *See—*
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MacKenzie, Burton T., Jr., to General Electric Company. Pressureless curing system for chemically crosslinking ethylene containing polymers, and product formed thereby. 3,802,913, 4-9-74, Cl. 117-232.000.
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Anderson, Harry Christer; and MacKenzie, Burton Thornley, Jr., 3,816,639.
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MacKenzie, Donald Reeve, to Bell Telephone Laboratories, Incorporated. Adjustable mirror mount. 3,814,365, 6-4-74, Cl. 248-278.000.
MacKenzie, George D.: *See—*
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MacKenzie, George D., to TRW, Inc. Resistance material and electrical resistor made therefrom. 3,788,997, 1-29-74, Cl. 252-63.500.
MacKenzie, Gerald L.: *See—*
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MacKenzie, Gerald L.; and Mosher, Paul R., to United States of America, Navy. Hydrogen gas generating composition and method for the same. 3,786,139, 1-15-74, Cl. 423-657.000.
MacKenzie, Harold B.; Anderson, Ingvar G.; and Montgomery, William T. S., Jr., to New Life Foundation. Pneumatic refuse material separation system. 3,833,117, 9-3-74, Cl. 209-3.000.
Mackenzie, John D.: *See—*
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MacKenzie, John D., to University of California, The Regents of the. Method of making foam glass products with excreta and glass batch. 3,811,851, 5-21-74, Cl. 65-22.000.
MacKenzie, Joseph H., Jr. Modular supporting assembly. 3,833,279, 9-3-74, Cl. 312-257.0sk.
MacKenzie, Kenneth H. Coupling. 3,851,983, 12-3-74, Cl. 403-312.000.
Mackenzie, Peter J., to Woodham-Duckham Limited. Through flow fluid treatment apparatus. 3,800,867, 4-2-74, Cl. 165-158.000.
MacKenzie, Raymond W.: *See—*
Johnston, Paul M.; MacKenzie, Raymond W.; and Reeves, John R., 3,796,958.
MacKenzie, Raymond W.; Johnston, Paul M.; and Reeves, John R., to Westinghouse Electric Corporation. Receiver-discriminator circuit. 3,796,959, 3-12-74, Cl. 325-345.000.
MacKenzie, Raymond W.; and Heinrich, Theodore M., to Westinghouse Electric Corporation. Induction heat cooking apparatus. 3,806,688, 4-23-74, Cl. 219-10.490.
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MacKenzie, Robert Douglas: *See—*
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Macker, John Arthur, to Burroughs Corporation. Input/output system for a microprogram digital computer. 3,833,930, 9-3-74, Cl. 340-172.500.
Mackes, Ronald C., to BQP Industries, Inc. Slip pallet of expanded foam material. 3,850,115, 11-26-74, Cl. 108-51.000.
Mackes, Ronald C., to BQP Industries, Inc. Slip pallet reinforced with fillers. 3,850,116, 11-26-74, Cl. 108-51.000.
MacKew, James, to Power Wheels Corporation. Apparatus for moving vehicles and the like. 3,831,694, 8-27-74, Cl. 180-19.00r.
Mackey, E. Scudder; Papp, Richard J.; and Waring, James, to GAF Corporation. Antistatic photographic film. 3,817,755, 6-18-74, Cl. 96-87.00a.
Mackey, George R., to Bishop Freeman Company. Commercial steam generating hand iron. 3,852,899, 12-10-74, Cl. 38-77.600.
Mackey, Leroy S., to United Starting Gate Corporation. Starting gate master switch and circuitry. 3,854,451, 12-17-74, Cl. 119-15.500.
Mackey, Walter J. Process of preparing skeletal-vascular casts. 3,848,346, 11-19-74, Cl. 35-20.000.
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Mackie, James & Sons Limited: *See—*
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Mackie, John K. P., to Mackie, James & Sons Limited. Means for mounting fallers in a textile gill box. 3,854,169, 12-17-74, Cl. 19-127.000
Mackie, John K. P., to Mackie, James, & Sons, Limited. Winding machine. 3,856,223, 12-24-74, Cl. 242-26.300.
Mackie, Ronald D. Ignition systems. 3,800,771, 4-2-74, Cl. 123-148.00e.
Mackie, W. Denis Grenville, to Mackie, James & Sons Limited. Weft gripper for shuttleless looms. 3,857,419, 12-31-74, Cl. 139-122.00n.
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Mackin, John J., Jr. Food treatment process and apparatus. 3,797,533, 3-19-74, Cl. 141-1.000.
Mackin, Wilson Joseph, to Greenleaf Holdings, Limited. Sawmill log indexing device. 3,786,712, 1-22-74, Cl. 83-708.000.
MacKinnon, Alan G., to Foundation Equipment Corporation, The. Mechanical safety pile monkey. 3,827,508, 8-6-74, Cl. 173-112.000.
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Mackiw, Vladimir N.; Weir, Donald R.; Evans, David J. I.; and Maschmeyer, Dennis G., to Gordon, Sherritt, Mines Limited. Production of nickel powder from impure nickel compounds. 3,816,098, 6-11-74, Cl. 75-.50a.
Mackles, Leonard, to Bristol-Myers Company. Toilet oil bar. 3,857,960, 12-31-74, Cl. 424-365.000.
Mackness, R., & Company Limited: *See—*
Sellers, Brian; Usher, Harry Graham; and Kay, Thomas William Lawrie, 3,837,021.
Macko, Joseph E.; Pelly, Brian R.; and Rosa, John, to Westinghouse Electric Corporation. Commutatorless DC motor drive arrangement. 3,840,799, 10-8-74, Cl. 321-5.000.
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Maclean, John P.; Strickland, John C.; and Sanwald, John W., to Texaco Inc. Air distribution system for catalyst regenerator. 3,806,324, 4-23-74, Cl. 23-288.00b.
MacLean, John P.; and Jones, Henry B., to Texaco Inc. Shielded tip access tube for a reactor probe. 3,846,080, 11-5-74, Cl. 23-288.00s.
MacLean-Fogg Lock Nut Co.: *See—*
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MacLeay, Ronald Edward; and Sheppard, Chester Stephen, to Pennwalt Corporation. Tertiary-aliphatic-(peracyl)azo compounds. 3,830,797, 8-20-74, Cl. 260-192.000.
MacLennan, Alastair S., to Ford Motor Company. Variable pumping system for a propeller fan. 3,829,236, 8-13-74, Cl. 415-156.000.
MacLennan, Roderick A.: *See—*
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MacLeod, David E.: *See—*
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MacLeod, Richard Eugene. Child proof medicine bottle cap. 3,850,325, 11-26-74, Cl. 215-218.000.
MacLowry, James: *See—*
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MacManus, Daniel C.; Larson, Carlen E.; and Lochmann, Robert L., to General Motors Corporation. Solenoid latched diaphragm fuel shut-off valve assembly. 3,810,489, 5-14-74, Cl. 137-495.000.
MacManus, Daniel C., to General Motors Corporation. Motor-pump system for preventing a vapor lock. 3,841,793, 10-15-74, Cl. 417-45.000.
MacManus, John. Whipping apparatus. 3,810,415, 5-14-74, Cl. 99-60.000.
MacManus, John. Apparatus for use in depositing aerated food products. 3,836,057, 9-17-74, Cl. 222-529.000.
MacManus, John. Machine for producing aerated food products. 3,854,700, 12-17-74, Cl. 259-4.000.
MacMartin, Malcolm P.: *See—*
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MacMaster, Edward; and Gley, Paul R., to Rexnord, Inc. Toggle latch with yoke. 3,831,224, 8-27-74, Cl. 24-68.00t.
MacMaster, George H.; and Dudley, Kenneth W., to United States of America, Navy. Center-pole magnetic circuit. 3,855,498, 12-17-74, Cl. 315-39.710.
MacMaster, George H.; and Dudley, Kenneth W., to Raytheon Corporation. Microwave browning means. 3,857,009, 12-24-74, Cl. 219-10.550.
MacMaster, Kenneth John George: *See—*
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MacMaster, Malcolm D.; and Morris, Herbert R., to Emhart Corporation. Refrigerated display case. 3,827,254, 8-6-74, Cl. 62-256.000.
MacMaster, Malcolm John; and MacMaster, Kenneth John George, to Lane, Frances & John S., Limited. Sledger crusher. 3,782,644, 1-1-74, Cl. 241-69.000.
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MacMillan, Charles W. Fail-safe throttle control. 3,791,366, 2-12-74, Cl. 123-198.0db.
MacMillan, Francis S. Kilmer; and Lyness, Warren I. Compositions for topical application to animal tissue and method of enhancing penetration thereof. 3,839,566, 10-1-74, Cl. 424-243.000.
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MacMillan Mold Company, Inc.: *See—*
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MacMillan, Richard Butler; and Lewis, Iolo Llewelyn, to Imperial Chemical Industries Limited. Anti-dust sheets. 3,832,269, 8-27-74, Cl. 161-162.000.
MacMillan, Robert E., to McCord Corporation. Unitary bushing construction. 3,787,103, 1-22-74, Cl. 308-26.000.
MacMillan, Robert E., to McCord Corporation. Gas cap assembly. 3,815,776, 6-11-74, Cl. 220-39.00r.
MacMullin, Robert B.: *See—*
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MacNeil, Norman H.: *See—*
Bohorquez, Jaime H.; and MacNeil, Norman H., 3,852,563.
MacNeill, John H.; and Willey, Ronald R., to Optical Business Machines, Inc. Opticscan arrangement for optical character recognition systems. 3,812,459, 5-21-74, Cl. 340-146.30f.
MacNeill, John H., to Optical Business Machines, Inc. Visual display of unrecognizable characters in optical character recognition machines. 3,848,228, 11-12-74, Cl. 340-146.30f.
MacNiel, Douglas K.; and Azizi, Sohiel. Depth gauge. 3,831,449, 8-27-74, Cl. 73-300.000.
Macoit, Arthur J.; and Apostoleris, Theodore G., to Ford Motor Company. Permanent magnet dynamoelectric machine. 3,789,250, 1-29-74, Cl. 310-154.000.
Macomber, Bennie D.; and Gravelle, Noel D., to United States of America, Navy. Range sensing target detecting device (U). 3,858,207, 12-31-74, Cl. 343-7.0pf.
Macomber, Robert I.: *See—*
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Macovski, Albert, to Stamford Research Institute. Fourier transforming system. 3,786,180, 1-15-74, Cl. 178-6.500.
Macovski, Albert; and Schaefer, Louis F., to United States of America, National Aeronautics and Space Administration, mesne. Two-dimensional filtering for encoded television camera. 3,812,527, 5-21-74, Cl. 358-47.000.
Macovski, Albert. Focused sonic imaging system. 3,815,409, 6-11-74, Cl. 73-67.900.
Macovski, Albert. Gamma ray imaging system. 3,840,747, 10-8-74, Cl. 250-369.000.
Macovski, Albert. Selective material X-ray imaging system. 3,848,130, 11-12-74, Cl. 250-369.000.
Macovski, Albert, to American Express Investment Management Company, mesne. Scanned holography systems using temporal modulation. 3,856,986, 12-24-74, Cl. 178-6.500.
MacPhee, Colin A. A., to Federal Pacific Electric Company. Ground fault detector. 3,786,356, 1-15-74, Cl. 317-18.00d.

MacPherson, Charles L., Jr., to Morgan Construction Company. Apparatus and method for aligning roller entry guides in a rolling mill. 3,782,158, 1-1-74, Cl. 72-37.000.
MacPherson, Donald E. Square-rigged sailboat. 3,795,216, 3-5-74, Cl. 114-39.000.
MacPherson, Duncan I. Method for illustrating. 3,800,441, 4-2-74, Cl. 35-26.000.
MacPherson, Roger; and Alsina, Pierre A., to American Tatra Inc. Apparatus for testing front wheel alignment of automotive vehicles. 3,832,786, 9-3-74, Cl. 33-288.000.
MacPherson, Roger. Safety mechanism for automobile lifts. 3,833,091, 9-3-74, Cl. 187-8.490.
MacRae, Alfred Urquhart: *See*—
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Macrander, Max S., to GTE Automatic Electric Laboratories Incorporated. Clock distribution circuit. 3,829,790, 8-13-74, Cl. 331-61.000.
Macriss, Robert A.; Rush, William F.; and Weil, Sanford A., to Gas Developments Corporation, mesne. Desiccant system for an open cycle air-conditioning system. 3,844,737, 10-29-74, Cl. 55-34.000.
MacRobbie, Robert Murray: *See*—
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Boll, Martin William; and MacRobbie, Robert Murray, 3,782,676.
Macune, Charles W.; and Parrish, Walter J., to Kodata, Inc. Dual printing apparatus with selective hammer arming means. 3,791,291, 2-12-74, Cl. 101-69.000.
Macur, Robert A., to General Electric Company. Method of equilibrating and calibrating a partial pressure gas sensor. 3,824,157, 7-16-74, Cl. 204-1.00t.
Macur, Robert A., to General Electric Company. Potentiometric oxygen sensor. 3,839,178, 10-1-74, Cl. 204-195.00p.
Macy, Carl L. Barrel knot tying device. 3,787,081, 1-22-74, Cl. 289-17.000.
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Macy, Robert W., II. Fluid transmission. 3,808,814, 5-7-74, Cl. 60-487.000.
Madachy, John F.: *See*—
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Madalozzo, David D.; Koons, Charles E.; McGuire, Michael E.; and Jones, Earl D., to Anaconda Company, The. Quiet strander. 3,793,819, 2-26-74, Cl. 57-58.520.
Madan AG: *See*—
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Maddox, Jim, Jr.; Zimmerman, Margaret J.; and Tuggle, Ray, to Texaco Inc. Demulsification compositions containing alkyl ether sulfates alkyl ether sulfates. 3,835,060, 9-10-74, Cl. 252-332.000.
Maddox, Jim, Jr.; and Tao, Fan-Sheng, to Texaco, Inc. Method of sweetening natural gas. 3,849,540, 11-19-74, Cl. 423-224.000.
Maddox, Reuben E. Tractor tire remover means. 3,815,654, 6-11-74, Cl. 157-1.260.
Maddren, Herbert J. Hot water supply system and method. 3,799,181, 3-26-74, Cl. 137-1.000.
Maddux, John F.: *See*—
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Maddux, John F., to Owens-Corning Fiberglas Corporation. Current equalization means and method for unequally loaded cables in an electric glass melting furnace. 3,855,412, 12-17-74, Cl. 13-6.000.
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Madelmont, Robert; deceased (by Romann, Juliette; legal representative); and Edus, Gilbert, to Etat Francais. Generator for self-contained electrically triggered weapons. 3,839,654, 10-1-74, Cl. 310-75.000.
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Madern, Jean Pierre, to Tunzini Entreprise. Mixer tank for dispensing powdery product. 3,804,110, 4-16-74, Cl. 137-268.000.
Maderna, Michele Luigi, to Industrie Pirelli S.p.A. Reinforcing cord for elastomeric aritcles. 3,805,508, 4-23-74, Cl. 57-145.000.
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Madey, John M. J. Stimulated emission of radiation in periodically deflected. 3,822,410, 7-2-74, Cl. 331-94.500.
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Madey, Marion J., to Poster Products, Inc. Structure for supporting articles for display purposes. 3,853,074, 12-10-74, Cl. 108-101.000.
Madigan, Basil M., to Goodyear Tire & Rubber Company, The. Stabilized rotor construction for wheel speed transducer. 3,783,316, 1-1-74, Cl. 310-90.000.
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Madigan, Edward J.; and Ruszczycky, Mark M. Infectious kerating bacterin and antiserum and method of preparing same. 3,853,990, 12-10-74, Cl. 424-87.000.
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Madonini, Mino, to Industrie Pirelli S.p.A. Method of forming reinforced flat sheet by extrusion of a tube, slitting and opening tube to a flat shaped while supporting same. 3,851,033, 11-26-74, Cl. 264-146.000.
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Madrid, Robert W.; and Hagenbach, Robert J. Electrostatic developer mixture with a coated carrier. 3,857,792, 12-31-74, Cl. 252-62.100.
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Madsen, Ditlev P.; and Pikel, John H. Apparatus for rendering. 3,782,902, 1-1-74, Cl. 23-280.000.
Madsen, Eigil, to Nielsen, H., & Son Maskinfabrik A/S. Overhead or gantry crane with a yoke carrying electromagnets. 3,833,129, 9-3-74, Cl. 212-14.000.
Madsen, John S., to GAF Corporation. Multiple color embossing of flooring material. 3,837,275, 9-24-74, Cl. 101-23.000.
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Madsen, Rud Frik, to Aktieselskabet de Danske Sukkerfabrikker. Process for the purification and clarification of sugar juices, involving ultrafiltration. 3,799,806, 3-26-74, Cl. 127-54.000.
Madsen, Rud Frik; Olsen, Ole Jentoft; and Stenseng, Mogens Martin, to Aktieselskabet de Danske Sukkerfabrikker. Apparatus for separating fluids into two fractions by means of semipermeable membranes. 3,847,818, 11-12-74, Cl. 210-321.000.
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Maeda, Katsumi: *See*—
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Maeda, Kazuo; Takizawa, Muneto; and Saito, Yuzi, to Mitsui Shipbuilding and Engineering Co. Ltd. Apparatus for classifying flanged pipes. 3,805,945, 4-23-74, Cl. 198-83.000.
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Maeda, Kazuo, to Mitsui Shipbuilding and Engineering Co., Ltd. Scaffolding for welding of prefabricated hull modules in shipbuilding. 3,822,000, 7-2-74, Cl. 182-82.000.
Maeda, Kazuo; and Shirai, Kazunari, to Fujitsu Limited. Semiconductor devices and method of manufacturing the same. 3,837,935, 9-24-74, Cl. 148-187.000.
Maeda, Kazuo, to Mitsui Shipbuilding and Engineering Co., Ltd. Apparatus for aligning welding joints. 3,838,487, 10-1-74, Cl. 29-200.00p.
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Maeda, Tsutomu; and Sato, Yoshikazu, to Dainichi-Nippon Cables, Ltd. Apparatus for connecting waveguide and method therefor. 3,784,939, 1-8-74, Cl. 333-98.00r.
Maeda, Yo; Ueyama, Tamotsu; and Fukutomi, Naoki, to Hitachi Chemical Company, Ltd. Method of making a wire memory plane. 3,816,909, 6-18-74, Cl. 29-604.000.
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Yorimitu; Iigaya, Haruo; and Nakano, Mineo, to Hitachi Chemical Company, Ltd. Process for producing synthetic pulp-like materials an producing synthetic papers therefrom. 3,855,056, 12-17-74, Cl. 162-157.00r.
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Maertin, Klaus Paul. Flotation sleeves. 3,820,179, 6-28-74, Cl. 9-344.000.
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Magnan, Regts, to S.A. Ciments LaFarge. Concretes and reinforced concretes with a low expansion coefficient. 3,790,394, 2-5-74, Cl. 106-97.000.
Magnani, Luigi: *See*—
Beretta, Paolo; and Magnani, Luigi, 3,836,370.
Magnatech Ltd.: *See*—
Fagin, Earle Reid; and Latter, Charles Franklin, 3,842,922.
Magnavox Company, The: *See*—
Allison, Gordon H., Jr.; and Greaf, Clarence V., 3,809,395.
Beardshear, Don Harvey; and Limbach, Ronald Henry, 3,822,150.
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Deebel, George F.; Doden, Bernard M.; and Morris, Myron J., 3,851,191.
Dsjuba, Mykola, 3,850,342.
Durbin, Jesse, Jr.; and D'Aiuto, John Ralph, 3,821,789.
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Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,787,456.
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Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,803,186.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,808,241.
Mod, Robert R.; Magne, Frank C.; and Skeu, Evald L., 3,808,242.
Magne, Frank C.; Mod, Robert R.; and Sumrell, Gene, to United States of America, Agriculture. Epithioanides as plasticizer-stabilizers. 3,801,525, 4-2-74, Cl. 260-30.200.
Magne, Frank C.; Mod, Robert R.; Sumrell, Gene; and Parker, Winfred E., to United States of America, Agriculture. N-Substituted fatty acid amide lubricants. 3,801,609, 4-2-74, Cl. 260-402.500.
Magne, Frank C.; Mod, Robert R.; Sumrell, Gene; and Parker, Winfred E., to United States of America, Agriculture. N-Substituted fatty acid amide lubricants. 3,809,706, 5-7-74, Cl. 260-403.000.
Magne, Frank C.; Mod, Robert R.; Sumrell, Gene; and Parker, Winfred E., to United States of America, Agriculture. N-substituted fatty acid amide lubricants. 3,846,449, 11-5-74, Cl. 260-327.00c.
Magne, Frank C.; Mod, Robert R.; Sumrell, Gene; and Parker, Winfred E. N-substituted fatty acid amide lubricants. 3,849,321, 11-19-74, Cl. 252-46.700.
Magne, Frank C.; Mod, Robert R.; Sumrell, Gene; and Parker, Winfred E., to United States of America, Agriculture. N-substituted fatty acid amide lubricants. 3,849,454, 11-19-74, Cl. 260-403.000.
Magneguide Corporation: *See*—
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Magnesium Elektron Limited: *See*—
McAlpine, Ian; and Clough, David John, 3,810,852.
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Magnetic Analysis Corporation: *See*—
Brooks, Robert A.; and Bebick, Paul J., 3,798,539.
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Magnetic Controls Company: *See*—
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Deitch, James C., 3,822,415.
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Magnetic Seal Corporation: *See*—
Place, Bruce S., 3,788,650.
Magneville, Pierre, to Institut Francais du Petrole, des Carburants et Lubrifiants. Device for generating acoustic waves in a liquid medium. 3,792,425, 2-12-74, Cl. 340-12.00r.
Magnien, Ernest; and Cabilio, Juta, to USV Pharmaceutical Corporation. Oximo tetracyclic indoles. 3,838,135, 9-24-74, Cl. 260-288.00r.
Magnifico, George: *See*—
Zahn, Erwin; Meisinger, Wilhelm R.; and Magnifico, George, 3,849,860.
Magnino, Pete J.; Hoer, Ralph A.; and Hahn, Robert E., to Ralston Purina Company. Method of forming protein food product. 3,853,839, 12-10-74, Cl. 260-123.500.

Magnino, Pete Joseph; Hozr, Ralph Anthony; and Hahn, Robert Erick, to Ralston Purina Company. Method of making puddings containing soy protein. 3,852,503, 12-3-74, Cl. 426-364.000.

Magnoda Products, Inc.: *See—*
Bidwell, Arthur W., 3,822,863.

Magnoni, Franco: *See—*
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Magnor, Inc.: *See—*
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Magnotta, Frank; and Ketley, Arthur D., to Grace, W. R., & Co. Printing plate and method of preparation. 3,808,000, 4-30-74, Cl. 96-35.000.

Magnotta, Frank; Ketley, Arthur D.; and Kehr, Clifton L., to Grace, W. R., & Co. Chain extended polythioether polyene photocurable compositions. 3,809,633, 5-7-74, Cl. 204-159.140.

Magnum Automative Equipment, Inc.: *See—*
Rainey, Donald B., 3,823,756.

Magnum Automotive Equipment, Inc.: *See—*
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Brosene, William G., Jr., 3,827,475.
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Brosene, William G., Jr., 3,851,694.

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Magnuson, Gustav D.: *See—*
Layton, James K.; and Magnuson, Gustav D., 3,843,889.

Magnuson, Lee T.; and Kusko, Alexander, to Deere & Company. Vehicular drive system with electric assist. 3,787,723, 1-22-74, Cl. 318-230.000.

Magnuson, Robert: *See—*
Lazzarini, Louis P., 3,811,000.
Lazzarini, Louis P., 3,851,572.
Lazzarini, Louis P.; and Smith, Traner J., 3,851,753.

Magnuson, Roy M.: *See—*
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Magnussen, Haakon T., Jr., to Spectra-Physics, Inc., mesne. Logarithmic conversion system. 3,805,046, 4-16-74, Cl. 235-197.000.

Magnussen, John L.: *See—*
Kabat, John L.; Magnussen, John L.; Porter, Richard B.; and Tobias, James R., 3,785,432.

Magnusson, Harry Olof: *See—*
Bondesson, Ulf Goran; Carlson, Lars Anders Fritz; Hedbom, Christina; Magnusson, Harry Olof; and Stjernstrom, Nils Erik, 3,846,445.

Mago, Blake F.; and West, Charles W. Antimony-vanadium corrosion inhibitors for alkanolamine gas treating system. 3,808,140, 4-30-74, Cl. 252-389.00r.

Mago, Erzsebet; Balogh, Tibor; Borsi, Jozsef; Bajusz, Sandor; Moravcsik, Imre; Elek, Sandor; Polgari, Istvan; and Lowinger, Laszlo, to Kobanyai Gyogyszerarugyar. Lysergic acid amides. 3,822,268, 7-2-74, Cl. 260-285.500.

Magol, Byram J.: *See—*
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Magor, James K.: *See—*
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Magor, Lincoln Stoddard, to Mimik Limited. Calibratable control. 3,795,154, 3-5-74, Cl. 74-422.000.

Magosch, Karl-Heinz: *See—*
Jadamus, Hans; Magosch, Karl-Heinz; and Heuwinkel, Johannes, 3,839,499.
Ruter, Jorn; Magosch, Karl-Heinz; Rombusch, Konrad; and Eichers, Ursula, 3,821,184.

Magoshi, Hisao: *See—*
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Magoteaux, Orville R., to Allied Mineral Products, Inc. Charge additive composition to control electrical induction furnace lining wear. 3,820,978, 6-28-74, Cl. 75-95.000.

Magrath, Joseph M.: *See—*
Magrath, Joseph M.; and Hierath, Leonard L. (said Hierath assor. to said), 3,827,601.
Magrath, Joseph M.; and Martin, William J. (said Martin assor. to said), 3,830,410.

Magrath, Joseph M.; and Hierath, Leonard L., said Hierath assor. to said Magrath, Joseph M. Hand powered liquid dispenser of the metering type. 3,827,601, 8-6-74, Cl. 222-83.000.

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Magrini-Fabbriche Riunite Magrini-Scarpa e Magnano M.S.M. S.p.A.: *See—*
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Teijeiro, Benito J. Calvino Y, 3,816,684.

Magruder, Michael Keith; and Woods, Terrill Wayne, to Deere & Company. Vehicle seat with suspension and selective suspension lock-out. 3,797,798, 3-19-74, Cl. 248-399.000.

Maguire, Addison Charles, to State for Defence, The Secretary of. Aircraft. 3,792,828, 2-19-74, Cl. 244-42.0cc.

Maguire, Barry Paul: *See—*
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Maguire, Eileen, to Crown City Plating Company. Process for electroless plating. 3,793,038, 2-19-74, Cl. 106-1.000.

Maguire, Gerald John; and Scarrott, Gordon George, to International Computers Limited. Optical deflection systems. 3,801,180, 4-2-74, Cl. 350-7.000.

Maguire, James Q., Jr. Method of fracturing and repressuring subsurface geological formations employing liquified gas. 3,822,747, 7-9-74, Cl. 166-259.000.

Maguire, Lawrence A.: *See—*
Andersen, Robert A.; and Maguire, Lawrence A., 3,789,323.

Maguire, Mary Helen; Thorp, Roland Herbert; and Nobbs, Denis Michael, to University of Sydney, The. 2-Loweralkylthioadenosines. 3,845,205, 10-29-74, Cl. 424-180.000.

Magusa, Harumi: *See—*
Shiotani, Shigeo; and Magusa, Harumi, 3,842,944.

Magyar, Charles; Root, Lewis A.; and Senger, Edwin C., to Hilti Aktiengesellschaft. Stud magazine. 3,828,925, 8-13-74, Cl. 206-347.000.

Magyar, John J., to Perkin-Elmer Corporation, The. Multichannel mass spectrometer. 3,824,390, 7-16-74, Cl. 250-294.000.

Magyar Tudomanyos Akademia Muszaki Fizikai Egyesult Izzolampa es Villamossagi Reszvenytarsasag, mesne: *See—*
Millner, Tivadar; Bartha, Laszlo; and Neugebauer, Jeno, 3,838,486.

Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete: *See—*
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Magyor Tudomanyos Akademia: *See—*
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Mah, Raymond W., to Dow Chemical Company, The. Epoxides of alkoxy-substituted tri (hydroxyphenyl)alkanes. 3,787,451, 1-22-74, Cl. 260-348.00r.

Mahacek, Michael F.: *See—*
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Mahaffy & Harden Engineering Company: *See—*
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Mahaffy & Harder Engineering Company: *See—*
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Mahaffy, Reid A.; and Hamilton, Joel A., to Mahaffy & Harder Engineering Company. Semi-rigid plastic package with reclosable seal. 3,792,181, 2-12-74, Cl. 426-123.000.

Mahaffy, Reid A.; Hamilton, Joel A.; and Pinney, Wesley W., to Mahaffy & Harden Engineering Company. Packaging apparatus and techniques. 3,805,486, 4-23-74, Cl. 53-184.000.

Mahan, John E.: *See—*
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Reynolds, William B.; and Mahan, John E., 3,783,055.

Mahan, John E.; and Norell, John R., to Phillips Petroleum Company. Isomerization with AsF_5 and/or SbF_5 and with trifluoromethanesulfonic acid or HF and high H_2 partial pressure. 3,839,489, 10-1-74, Cl. 260-683.680.

Mahe, Jean Albert, to Societe Industrielle Honeywell Bull (Societe Anonyme). Cartridge for printer character strip. 3,805,697, 4-23-74, Cl. 101-111.000.

Maher, Charles E., to Medical Innovations, Inc. Cardiac synchronization system and method. 3,835,845, 9-17-74, Cl. 128-64.000.

Maher, Galeb H., to Sprague Electric Company. Low temperature fired electrical components and method of making same. 3,811,937, 5-21-74, Cl. 117-217.000.

Maher, George G., to United States of America, Agriculture. Molded articles and films. 3,787,220, 1-22-74, Cl. 106-214.000.

Maher, James Bernard; and Delahunty, Terry Wayne, to Chicago Bridge & Iron Company. Method and apparatus for purifying natural gas to be liquefied and stored. 3,798,918, 3-26-74, Cl. 62-40.000.

Maher, John P.: *See—*
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Maher, Philip K.: *See—*
McDaniel, Carl V.; Maher, Philip K.; and Pilato, Joseph M., 3,808,326.
Vaughan, David E. W.; Maher, Philip K.; and Albers, Edwin W., 3,838,037.

Maher, Robert L., to Mossman, Donald P., Inc. Electrical switch assembly. 3,787,653, 1-22-74, Cl. 200-153.00k.

Maher, Thomas K.: *See—*
Francis, Howard P.; and Maher, Thomas K., 3,802,959.

Maher, William A. Steam propulsion system. 3,820,335, 6-28-74, Cl. 60-670.000.

Maheras, Geroge: *See—*
Castrucci, Paul P.; Grochowski, Edward G.; Hess, Martin S.; Maheras, Geroge; and North, William D., 3,785,886.

Maheswaran, S. K., to University of Minnesota, The Regents of the. Poultry vaccine. 3,855,408, 12-17-74, Cl. 424-92.000.

Maheux, Peter Francis, to Bell-Northern Research Ltd. Electrical connector. 3,789,342, 1-29-74, Cl. 339-17.00f.

Maheux, Peter Francis, to Bell-Northern Research, Ltd. Connection of an electrical component to a flexible circuit. 3,843,951, 10-22-74, Cl. 339-17.00f.

Mahieu, Marc: *See—*
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Mahle, Christoph E.: *See—*
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Mahle GmbH: *See—*
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Maier, Rudolf, 3,842,715.

Mahlein, Hans, to Siemens Aktiengesellschaft. Optical input coupler for a light guide. 3,804,487, 4-16-74, Cl. 350-96.0wg.

Mahler, Albert J. Stock feeding device. 3,802,394, 4-9-74, Cl. 119-51.500.

Mahler, Hans Hermann: *See—*
Arian, Charles Mourad; Mahler, Hans Hermann; Hayes, Claude Cecil, Jr.; and Tanner, Hal W., Jr., 3,823,028.

Mahler, Richard A. Evaporative coolant heat sink. 3,820,352, 6-28-74, Cl. 62-293.000.

Mahler, Walter, to Du Pont de Nemours, E. I., and Company. Generating power using a Rankine-cycle engine with tetrachloroethylene as the working fluid. 3,802,186, 4-9-74, Cl. 60-36.000.

Mahler, Walter, to Du Pont de Nemours, E. I., and Company. Preparation of perchlorofluorobenzenes. 3,852,365, 12-3-74, Cl. 260-650.00f.

Mahlich, Gotthard Christoph: *See—*
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Mahlman, Harvey A.; and Sisson, Warren G., to United States of America, Atomic Energy Commission. Cross-flow filtration process. 3,835,040, 9-10-74, Cl. 210-23.000.

Mahlmann, James P.: *See—*
Balling, T. Thomas; and Mahlmann, James P., 3,810,999.

Mahlmann, James P.; and Scarsella, Edward L., to General Foods Corporation. Compression-granulation of roasted coffee. 3,801,716, 4-2-74, Cl. 426-466.000.

Mahlmann, James Patrick, to General Foods Corporation. Process for producing coffee extract. 3,788,860, 1-29-74, Cl. 426-433.000.

Mahmoud, Ali R.: *See—*
Buchele, Wesley F.; Peprah, Ignatius K.; and Mahmoud, Ali R., 3,817,256.
Buchele, Wesley F.; and Mahmoud, Ali R., 3,856,022.

Mahn, Frederick R.: *See—*
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Mahn, Hermann, to Hermann Maschinenbau GmbH. Calender rolls. 3,840,958, 10-15-74, Cl. 29-110.000.

Mahne, Frank S.: *See—*
Lavergne, Edgar A.; and Mahne, Frank S., 3,839,401.

Mahner, Helmut; and Kammerlander, Karl, to Siemens Aktiengesellschaft. System for two or more combined communication channels regulated in accordance with linear relationships. 3,835,392, 9-10-74, Cl. 325-306.000.

Mahon Industrial Corporation: *See—*
Van Raden, Earl M., 3,803,997.

Mahon, John; and Richter, Stanley J., to United States of America, Air Force. Portable repair apparatus. 3,837,965, 9-24-74, Cl. 156-382.000.

Mahon, Roger, to American Standard, Inc. Aircraft instrument shroud. 3,824,853, 7-23-74, Cl. 73-181.000.

Mahoney, Edwin L. Shaving brush having heating means for leather. 3,822,434, 7-9-74, Cl. 15-160.000.

Mahoney, Elmo J., to Mahoney, Inc. Portable projectile return apparatus. 3,836,144, 9-17-74, Cl. 273-1.50a.

Mahoney, Eugene T.: *See—*
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Mahoney, Inc.: *See—*
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Mahoney, James D. Cargo transporting and handling vehicle. 3,833,139, 9-3-74, Cl. 214-518.000.

Mahoney, James F.: *See—*
Korr, Abraham L.; Mahoney, James F.; and Svihel, Bernard T., 3,842,724.

Mahoney, James G. Eyeshield for horses. 3,834,121, 9-10-74, Cl. 54-80.000.

Mahoney, John A.; and Nevitt, Thomas D., to Standard Oil Company. Method for starting up a reforming process employing a catalyst containing a group VIII metal, rhenium, and selenium. 3,793,183, 2-19-74, Cl. 208-134.000.

Mahoney, John F.; and Perel, Julius, to Xerox Corporation. Multi-jet ink printer. 3,848,258, 11-12-74, Cl. 346-140.000.

Mahoney, Kenneth L., to American Standard Inc. Fireplace having a samper-fuel gas supply interlock. 3,831,582, 8-27-74, Cl. 126-286.000.

Mahoney, Ralph P. Dispensing container enabling a coil of a resilient, edged metal band to be formed therein. 3,810,588, 5-14-74, Cl. 242-55.000.

Mahoney, Ralph W., to Sperry Rand Corporation. On-the-fly printer with shortened print cycle. 3,827,357, 8-6-74, Cl. 101-93.00c.

Mahoney, Thomas P.: *See—*
Campbell, James R.; and Rainwater, Miles (said Rainwater assor. of 50% to), 3,796,125.
Greuzerd, Charles F.; and Henkin, Louis Lawrence, 3,794,779.
Warsinger, Bernard M., 3,840,033.

Mahoney, William P., to Ball Corporation. Method for controlling furnace emissions. 3,789,628, 2-5-74, Cl. 65-27.000.

Mahony, Robert D. Method and apparatus for underpinning and raising a building foundation. 3,796,055, 3-12-74, Cl. 61-51.000.

Mahood, James A., to Bio-Logics Systems, Inc. Noise rejecting, demand variable real time clock. 3,812,472, 5-21-74, Cl. 340-172.500.

Mahr, Rene, to Societe Anonyme des Anciench Etablissements Wurth, Paul. Double chamber charging device for a shaft. 3,799,369, 3-26-74, Cl. 214-37.000.

Mahrt, Gunter: *See—*
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Mahurin, Ballard Terry: *See—*
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Mahy, Tyler X., to Norton Company. High surface area valve metal powder. 3,829,310, 8-13-74, Cl. 75-.5bb.

Mai, George, Jr. Gun drill and bore grinding fixture. 3,845,589, 11-5-74, Cl. 51-219.00r.

Mai, Gunter; and Pietzsch, Herbert, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Snap-lock base for annular fluorescent lamps. 3,858,162, 12-31-74, Cl. 339-145.000.

Maia, Silvio: *See—*
Zinno, Oscar; and Maia, Silvio, 3,807,591.

Maiale, Louis J. Sheet steel draw die. 3,827,272, 8-6-74, Cl. 72-203.000.

Maico Fahrzeugfabrik GmbH: *See—*
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Maida, Osamu, to Nippon Kogaku K.K. Exposure meter having means for preventing erroneous metering. 3,794,430, 2-26-74, Cl. 356-226.000.

Maida, Osamu, to Nippon Kagaku K:K. Exposure determining device. 3,809,981, 5-7-74, Cl. 318-294.000.

Maier, Albert; Pfeifer, Josef; and Ambraschka, Kasimir, to Agfa-Gevaert Aktiengesellschaft. Microfilm reading apparatus. 3,817,612, 6-18-74, Cl. 353-27.000.

Maier, Alfred E.: *See—*
Walker, Eugene J.; and Maier, Alfred E., 3,810,051.

Maier, Alfred E.; and Wafer, John A., to Westinghouse Electric Corporation. Circuit breaker with improved flux transfer magnetic actuator. 3,783,423, 1-1-74, Cl. 335-174.000.

Maier, Alfred E. Circuit breaker with improved resettable latch and trip means. 3,808,567, 4-30-74, Cl. 335-167.000.

Maier, Alfred E.; and Stephenson, William I., Jr., to Westinghouse Electric Corporation. Circuit interrupter protective device. 3,815,064, 6-4-74, Cl. 335-176.000.

Maier, Alfred E.; and Shimp, Alan B., to Westinghouse Electric Corporation. Circuit breaker with replaceable rating adjuster and interlock means. 3,826,951, 7-30-74, Cl. 317.033.0sc.

Maier, Alfred E.; and Shimp, Alan B., to Westinghouse Electric Corporation. Circuit braker fault simulator. 3,852,660, 12-3-74, Cl. 324-28.00r.

Maier, Carl, & Cie: *See—*
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Maier, Carl & CIE., Schaffahusen: *See—*
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Maier, Clarence C.: *See—*
Angle, Milton A.; Blair, Gerald E.; and Maier, Clarence C., 3,833,347.
Angle, Milton A.; Bender, George L.; Blair, Gerald E.; and Maier, Clarence C., 3,844,755.

Maier, Elmar, to Hilti Aktiengesellschaft. Device for fastening intermediary plates on a mold wall. 3,820,702, 6-28-74, Cl. 227-9.000.

Maier, Elmar, to Hilti Aktiengesellschaft. Device for fastening identification members. 3,825,989, 7-30-74, Cl. 29-211.00d.

Maier, Elmar, to Hilti Aktiengesellschaft. Nail holder assembly. 3,841,474, 10-15-74, Cl. 206-346.000.

Maier, Gary W.; and Jehn, David H., to Dun-Hot, Inc. Popcorn package and handle assembly. 3,782,976, 1-1-74, Cl. 426-110.000.

Maier, Gerhard, to SABA, Schwarzwalder Apparate-bau-Anstalt August Schwer Sohne G.m.b.H. Circuit arrangement for automatic station search. 3,820,027, 6-25-74, Cl. 325-470.000.

Maier, Gerhard, to SABA, Schwarzwalder Apparate-bau-Anstalt August Schwer Sohne G.m.b.H. Adjustable attenuator with P-I-N diodes. 3,846,724, 11-5-74, Cl. 333-81.00r.

Maier, Gerhard, to Maschinenfabrik B. Maier KG. Blade holder for steel strip blades. 3,854,511, 12-17-74, Cl. 144-230.000.

Maier, Hans-Peter: *See—*
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Maier, Heinz, to Fischer-Brodbeck GmbH Prazisionsteile-Fabrik. Rotary indexing mechanism. 3,797,333, 3-19-74, Cl. 74-826.000.

Maier, Herbert: *See—*
Dederer, Roland; Jahns, Erwin; Maier, Herbert; Moser, Joachim; and Vierling, Karl-Heinz, 3,847,470.

Maier, Johannes: *See—*

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Maier, Josef. Collapsible form for erecting of monolithic structures. 3,815,861, 6-11-74, Cl. 249-19.000.
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Maillet, Wilfrid G., to Communications Satellite Corporation. TDMA bursts acquisition system. 3,813,496, 5-28-74, Cl. 179-15.0bs.
Mailloux, Louis D., to Xerox Corporation. Optical arrangement for high speed printout system. 3,827,062, 7-30-74, Cl. 354-5.00r.
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Maine, Francis W. Producing alkali metal silicate foamed products. 3,839,517, 10-1-74, Cl. 264-42.000.
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Sexton, Peter R. L.; and Tibbetts, Samuel H, III, 3,834,341.
Mainhardt, Robert; and Niskala, Gary G., to MB Associates. Smooth bore gun adapter. 3,802,108, 4-9-74, Cl. 42-77.000.
Mains, Harold E., to Emery Industries, Inc. Process for producing aromatic aldehydes. 3,799,940, 3-26-74, Cl. 260-340.500.
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Maiocchi, Luigi, to Industrie Pirelli S.p.A. Tread profile of a radial tire for motor vehicles. 3,818,964, 6-25-74, Cl. 152-209.00r.
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Maiocco, Humbert Luciano, to Beloit Corporation. Oriented removal structure for an injection molding machine. 3,852,011, 12-3-74, Cl. 425-242.00r.
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Maisch, Hans; and Jung, Ernst, to Eisenwerke Gaggenau GmbH. Ventilating system for a water closet. 3,781,923, 1-1-74, Cl. 4-213.000.
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Maison, Richard L., to Rohr Industries, Inc. Adhesion air bearing feedback control apparatus and method. 3,827,364, 8-6-74, Cl. 104-23.0fs.
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Maistre, Michel Antoine Jules. Cellular flotation structure. 3,842,768, 10-22-74, Cl. 114-16.00r.
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Majewski, Eugene J. Educational game type toy. 3,845,574, 11-5-74, Cl. 35-72.000.
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Majkrzak, Charles P.; and Polgar, Michael S., to International Telephone and Telegraph Corporation. Shipboard yardarm half-wave antenna. 3,818,488, 6-18-74, Cl. 343-709.000.
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Maker, David L.; Peng, Stephen C.; and Vos, Arend W. D., to Ford Motor Company. Process for preparing non-aqueous dispersion of thermosetting film forming copolymer. 3,814,720, 6-4-74, Cl. 260-33.40r.

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Maki, Naoki; and Okuda, Hironori, to Hitachi, Ltd. Magnetic levitating and propelling device including split stabilizing coil for high speed train. 3,820,471, 6-28-74, Cl. 104-148.0ss.

Maki, Robert G. Bag dispenser and holder. 3,800,503, 4-2-74, Cl. 53-390.000.

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Makin, J. & J., Limited: *See—*
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Makino, Hiroshi C.; and Matsumi, Koichi, to Nippon Electric Company, Limited. Method of producing a singe crystal of orthoferrite and thin platelets thereof by means of the floating zone method. 3,801,290, 4-2-74, Cl. 23-305.000.

Makino, Katsuo; Joh, Seiji; and Takeda, Kouzou, to Fuji Xerox Co., Ltd. Electrophotographic developing process. 3,783,818, 1-8-74, Cl. 118-4.000.

Makino, Katsuo; Yoshikawa, Akira; and Nagashima, Toshio, to Xerox Corporation. Imaging system. 3,794,418, 2-26-74, Cl. 355-3.000.

Makino, Kosei, to Sumitomo Shipbuilding & Machinery Co., Ltd. Helical gear pump. 3,838,949, 10-1-74, Cl. 418-48.000.

Makino, Minoru, to Kabushiki Kaisha Tanita Seisakusho. Ignition device. 3,817,694, 6-18-74, Cl. 431-255.000.

Makino, Minoru, to Kabushiki Kaisha Tanita Seisakusho. Gas lighter burner ignition device. 3,824,072, 7-16-74, Cl. 431-255.000.

Makino, Shigehide: *See—*
Umezawa, Sumio; Machida, Isamu; Shiotsu, Susumu; Yokota, Kimio; Makino, Shigehide; Kawaguchi, Gaku; and Honda, Kazutoshi, 3,819,834.

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Makino, Takayuki; and Toriyama, Haruhiko, to Toyota Jidosha Kogyo Kabushiki Kaisha. Axial force measuring method utilizing ultrasonic wave. 3,822,587, 7-9-74, Cl. 73-67.200.

Makino, Takayuki; Ishii, Shinya; and Ohkubo, Rokuji, to Messrs. Toyota Jidosha Kogyo Kabushiki Kaisha. Fuel supply device for internal combustion engines. 3,827,415, 8-6-74, Cl. 123-119.00r.

Makipirtti, Simo A. I.: *See—*
Bryk, Petri B.; Honkasalo, Jorma B.; Malmstron, Rolf E.; Makipirtti, Simo A. I.; Toivanen, Toivo A.; and Aaltonen, Olavi A., 3,790,366.

Makishima, Sumio. Pavement surface treating apparatus. 3,851,921, 12-3-74, Cl. 299-37.000.

Makishima, Yoshinao, to Ikegai Tekko Kabushiki Kaisha. Shutter mechanism for packing machine. 3,802,338, 4-9-74, Cl. 100-151.000.

Makisumi, Yasuo. 2,3-Dihydro-4H phieno (3,2-c)(1) benzopyran-4-ones. 3,801,597, 4-2-74, Cl. 260-332.20h.

Makita, Kiyoshi: *See—*
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Makita, Mutsuo; Hayakawa, Wataru; Hayashi, Masaaki; and Kitagawa, Yukio, to Hitachi, Ltd. Wear resisting magnetic material having high permeability. 3,837,844, 9-24-74, Cl. 75-122.000.

Makita, Naoki: *See—*
Yamawaki, Shunro; Makita, Naoki; and Hirose, Kazuhiko, 3,797,703.

Mako, John: *See—*
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Makovec, Donald J.: *See—*
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Makowski, Henry S.; and Lundberg, Robert D., to Esso Research and Engineering Company. Plasticized thermoplastic block copolymers. 3,821,148, 6-28-74, Cl. 260-30.60r.

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Makris, William E.: *See—*
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Makynen, Arvi, to Ovako Oy. Protective device for use in the maintenance of foundry ladles. 3,833,206, 9-3-74, Cl. 266-1.00r.

Mal, M. Kumar; and Tarkan, Stuart E., to Chromalloy American Corporation. Sintered steel bonded titanium carbide tool steel characterized by an improved combination of transverse rupture strength and resistance to thermal shock. 3,809,540, 5-7-74, Cl. 29-12.800.

Malaboeuf, Michel E.: *See—*
Bolusset, Christian S.; Treheux, Michel E.; Alard, Francis R.; and Malaboeuf, Michel E., 3,820,869.

Malafosse, Jean, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for the preparation of alkaline hyperoxide. 3,816,604, 6-11-74, Cl. 423-581.000.

Malagari, Frank A.: *See—*
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Salsgiver, James A.; and Malagari, Frank A., 3,855,020.
Salsgiver, James A.; and Malagari, Frank A., 3,855,021.

Malak, Thomas P., to Kewanee Oil Company. Corrosion resistance of decorative chromium electroplated objects. 3,843,495, 10-22-74, Cl. 204-35.00r.

Malak, Thomas Paul, to Kewanee Oil Company. Method of improving the corrosion protection of decorative chrome plated articles. 3,847,760, 11-12-74, Cl. 204-35.00r.

Malamoud, Jean Gaston, to S.T. Dupont. Lighters. 3,807,941, 4-30-74, Cl. 431-350.000.

Malamoud, Jean Gaston, to Du Pont, S. T. Flint lighters with a rotary knurled wheel. 3,813,208, 5-28-74, Cl. 431-277.000.

Malamoud, Jean Gaston. Flint driving mechanism for a lighter. 3,836,319, 9-17-74, Cl. 431-276.000.

Malamoud, Jean Gaston, to Du Pont, S. T. Compressed gas lighters. 3,840,331, 10-8-74, Cl. 431-350.000.

Malan, George L. Reinforceable vibrator system. 3,836,124, 9-17-74, Cl. 259-1.00r.

Malan, George L. Dam building system. 3,845,631, 11-5-74, Cl. 61-30.000.

Malan, Johannes Daniel: *See—*
Venter, Peter Jacobus; and Malan, Johannes Daniel, 3,826,849.
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Malaney, Samuel T.; and McManers, John W., to Underwood, William, Company. Maintaining the water level in baking beans. 3,788,302, 1-29-74, Cl. 126-374.000.

Malang, Siegfried, to Gesellschaft fur Kernforschung mbH. Nuclear reactor fuel element. 3,813,287, 5-28-74, Cl. 176-68.000.

Malarbi, Anthony, Jr.: *See—*
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Malarkey, Terence D.: *See—*
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Malashenko, Alexander; Tidbury, Gordon Thomas; and Futcher, Ralph James, to Dominion Engineering Works, Limited. Paper machine saveall with de-aerator. 3,801,435, 4-2-74, Cl. 162-202.000.

Malaspina, Francis P.; Aker, Wesley E.; and Werth, John, to ESB Incorporated. Oxygen sensor. 3,787,308, 1-22-74, Cl. 204-195.00p.

Malaspina, John A. Trap for the submerged outlet of a catch basin or the like. 3,789,987, 2-5-74, Cl. 210-232.000.

Malatesta, Alberto: *See—*
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Malatesta, Alberto, to Esso Research and Engineering Company. Heterogeneous process for preparing conjugated diene butyl. 3,852,253, 12-3-74, Cl. 260-85.30h.

Malatesta, Edward T., to United States of America, Army. Safety detent mechanism for fuses of explosive projectiles. 3,807,308, 4-30-74, Cl. 102-78.000.

Malatray, Andre: *See—*
Henry, Marcel; and Malatray, Andre, 3,823,809.

Malaval, Claude, to Groupement Atomique Alsacienne Atlantique. Process for pumping liquid metals by a drive effect and a pump implementing this process. 3,836,286, 9-17-74, Cl. 417-50.000.

Malaval, Claude, to Groupement Atomique Alsacienne Atlantique. Pulverulent absorbent safety rod for a nuclear reactor. 3,840,432, 10-8-74, Cl. 176-86.00r.

Malavazos, Arthur J. Manufacture of fluidic elements. 3,815,199, 6-11-74, Cl. 29-157.00r.

Malavazos, Arthur J.; and Urdal, Jan, to A. J. M. Research Corporation. High speed punch. 3,833,169, 9-3-74, Cl. 234-110.000.

Malaviya, Shashi D., to International Business Machines Corporation. Master-slave binary divider circuit. 3,814,953, 6-4-74, Cl. 307-289.000.

Malaviya, Shashi Dhar, to International Business Machines Corporation. Method and apparatus for measuring the parameters of a transistor or other two-port device at microwave frequencies. 3,789,301, 1-29-74, Cl. 324-158.00t.

Malburg, Dieter, to U.S. Philips Corporation. Method of winding a transformer. 3,801,029, 4-2-74, Cl. 242-7.030.

Malby, Robert E., Jr.; McComb, Walter D.; and Schave, Richard D., to Libbey-Owens-Ford Company. Inspecting glass. 3,788,750, 1-29-74, Cl. 356-239.000.

Malchow, William A. Bolted connection including a stud. 3,842,718, 10-22-74, Cl. 92-171.000.

Malcik, Frank J.: *See—*
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Malcik, Frank J., to Swingline Inc. Corner support structure and cap member utilized in connection with same. 3,837,754, 9-24-74, Cl. 403-217.000.

Malco Products, Inc.: *See—*
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Malcolite Corporation: *See—*
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Malcolm, George David. Tape dispenser attachment. 3,810,567, 5-14-74, Cl. 225-67.000.

Malcomson, Robert S.: *See—*
Hutchinson, Herman R.; Arpajian, Vasken F.; and Malcomson, Robert S., 3,784,657.

Malcosky, Norman D., to Columbia Gas System Service Corporation. Hermetically sealed pump. 3,809,506, 5-7-74, Cl. 417-439.000.

Malcosky, Norman D.; McLean, Ronald H.; Singh, Kanwal N.; and Auh, Chung M., to Columbia Gas System Service Corporation. Compact heating and cooling system. 3,828,575, 8-13-74, Cl. 62-476.000.

Malda, Sajiro: *See—*
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Male, Charles Colin; and Wallis, John Melvin, to Northern Electric Company Limited. Automatic number identification for private telephone exchanges. 3,787,632, 1-22-74, Cl. 179-18.0fh.

Malec, Jerry P. Airless spray gun. 3,844,487, 10-29-74, Cl. 239-526.000.

Malec, Robert E.: *See—*
Ihrman, Kryn G.; and Malec, Robert E., 3,792,014.

Malec, Robert E., to Ethyl Corporation. Stable phosphate esters. 3,816,311, 6-11-74, Cl. 252-46.700.

Malec, Robert E., to Ethyl Corporation. Oil composition. 3,833,496, 9-3-74, Cl. 252-33.600.

Maleck, Leroy R. Clear ice pellet maker. 3,791,166, 2-12-74, Cl. 62-138.000.

Maled, Christopher T. Eccentric motion fishing lure. 3,841,012, 10-15-74, Cl. 43-26.200.

Malek, Walter K.; and Substelny, Henry, to Architectural Molded Products Ltd., mesne. Overhead garage door sections. 3,815,657, 6-11-74, Cl. 160-229.000.

Malen, Charles; and Laubie, Michel, to Science Union et Cie, Societe Francaise de Recherche Medicale. 5-Piperazinyl-10-dioxo-dibenzo (c,f) thiazepines and process for making them. 3,803,149, 4-9-74, Cl. 260-268.0tr.

Malen, Charles; and Desnoyers, Pierre, to Science Union et Cie, Societe Francaise de Recherche Medicale and Societe Francaise de Recherche Medicale. Thiazolyl benzoic acid compounds. 3,821,237, 6-28-74, Cl. 260-302.00r.

Malen, Charles; Danree, Bernard; and Poignant, Jean-Claude, to Science Union et Cie, Societe Francaise de Recherche Medicale and Societe Francaise de Recherche Medicale. Dibenzothiazepin derivatives. 3,821,249, 6-28-74, Cl. 260-327.00b.

Malen, Charles; Danree, Bernard; and Pascaud, Xavier, to Science Union Et Cie Societe Francaise De Recherche Medicale. Quinalythiohydroximic acids and their derivatives. 3,835,141, 9-10-74, Cl. 260-283.00s.

Malen, Charles; and Desnoyers, Pierre, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Thiazolybenzoic acid compounds. 3,840,548, 10-8-74, Cl. 260-302.00r.

Malen, Charles; Desnos, Monique; and Poignant, Jean-Claude, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Dibenzo b,f thiazepin 1,4-11-yl amino alkanoic acids. 3,845,074, 10-29-74, Cl. 260-327.00b.

Malenge, Pierre, to S.A. Dite Societe d'Exploitation des Etablissements Malenge. Continuous strip envelopes. 3,786,984, 1-22-74, Cl. 229-69.000.

Maley, Edward F.: *See—*
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Maley, Gerald A.: *See—*
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Ho, Irving T.; and Maley, Gerald A., 3,820,086.

Maley, Gerald A.; and Riseman, Jacob, to International Business Machines Corporation. Apparatus for controlling functionally severable parts of a computer system. 3,843,953, 10-22-74, Cl. 340-172.500.

Maley, James John; and Bartch, Donald Walter, to RCA Corporation. Cathode-ray tube having conductive internal coating comprised of iron oxide and graphite. 3,791,546, 2-12-74, Cl. 220-2.10a.

Maley, Stephen Barry, to Eastman Kodak Company. Purification of silver halide precipitates. 3,782,953, 1-1-74, Cl. 96-94.00r.

Maley, William B., to Techlite, Inc. Display apparatus. 3,822,493, 7-9-74, Cl. 40-31.000.

Maley, William B., to Techlite, Inc. Display apparatus. 3,922,493, 7-9-74, Cl. 40-31.000.

Malfroid, Pierre, to Solvay & Cie. Process for the polymerization of oxirane derivatives. 3,817,877, 6-18-74, Cl. 260-2.00a.

Malgdefessll, Heinz; and Verma, Hart Singh, to Siemens Aktiengesellschaft. Getter-containing electric discharge devices. 3,801,850, 4-2-74, Cl. 313-174.000.

Malhas, Farouk S. Tennis serve training device. 3,845,953, 11-5-74, Cl. 273-29.00a.

Malherbe, Alfred Andre. Carburetor. 3,847,125, 11-12-74, Cl. 123-119.00a.

Malhotra, Ravi K.; and Castello, Anthony M., to Dunham-Bush, Inc. High capacity finned tube heat exchanger. 3,796,258, 3-12-74, Cl. 165-151.000.

Malhotra, Umesh Kumar: *See*—
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Maliakal, Joseph C.: *See*—
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Malich, Alfred, GmbH, Firma: *See*—
Kaschura, Paul, 3,813,719.

Malick, Christopher B. Contrast control apparatus for a camera. 3,836,923, 9-17-74, Cl. 354-32.000.

Malievsky, Alexandr Dmitrievich; Vints, Viktor Vladimirovich; Emanuel, Nikolai Markovich; and Parfenov, Viktor Nikolaevich. Method for preparing sulfoxides and sulfones. 3,849,499, 11-19-74, Cl. 260-607.00a.

Malik, Chester, to United States of America, Air Force. Ultra broad band RF phase shifter. 3,803,499, 4-9-74, Cl. 328-155.000.

Malik, Marvin J., to General Motors Corporation. Hydrodynamic fluid unit with energy. 3,785,154, 1-15-74, Cl. 60-347.000.

Malin, Denis J. Edible mixture. 3,846,564, 11-5-74, Cl. 426-212.000.

Malin, Eugene F. Insect protective garment. 3,783,451, 1-8-74, Cl. 2-4.000.

Malin, Jack, to Security Instruments, Inc. Electrical terminal for conductive foil. 3,794,953, 2-26-74, Cl. 339-17.00c.

Malinovskaya, Galina Nikolaevna: *See*—
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Malinowski, Edward Stephen, to Georgia-Pacific Corporation. Folding carton and blank therefor. 3,790,066, 2-5-74, Cl. 229-52.00b.

Malinowski, Lester W.: *See*—
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Malinowski, Raymond J.: *See*—
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Malinowski, William J.: *See*—
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Malion, William R.; and Watkins, John E. Clutch brake mechanism with a lost motion connection. 3,837,450, 9-24-74, Cl. 192-12.0ba.

Malis, Leonard Irving; and Macalus, Frank. Rongeur. 3,842,839, 10-22-74, Cl. 128-312.000.

Malitschek, Otto: *See*—
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Malizio, Andrew B.; Rice, Martin A.; and Brooks, Harry F., to United States Pipe and Foundry Company. Process and alloy for making ductile iron. 3,799,767, 3-26-74, Cl. 75-130.00a.

Malkiel, Arick S. Floating breasting platform. 3,793,843, 2-26-74, Cl. 61-46.000.

Malkiel, Arick S. Submerged oil storage tank. 3,803,855, 4-16-74, Cl. 61-46.500.

Malkiel, Saul L., to Bendix Corporation, The. Brushless D.C. motor using hall generators for commutation. 3,783,359, 1-1-74, Cl. 318-254.000.

Malkin, Arkady Semenovich: *See*—
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Malkin, Bruce, to Electro-Speed Tool Corporation. Electric nailer. 3,810,572, 5-14-74, Cl. 227-132.000.

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Malkin, William J., to Permutit Company, Inc., The, mesne. Automatically backwashed gravity filter. 3,841,485, 10-15-74, Cl. 210-104.000.

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Mall, Gunther, to Pfaff Industriemaschinen GmbH, Firma. Sewing unit having a stencil rail for guiding the material. 3,782,308, 1-1-74, Cl. 112-121.150.

Mall, Gunther, to Pfaff Industriemaschinen GmbH. Device for feeding the cloth in a sewing system for the production of open darts. 3,808,992, 5-7-74, Cl. 112-121.150.

Mallan, George M.; and Compton, Leslie E., to Occidental Petroleum Corporation. Gasification of carbonaceous solids. 3,846,096, 11-5-74, Cl. 48-209.000.

Mallander, Richard G.; and Lake, John H., to Shell Oil Company. Sampling device and system. 3,847,023, 11-12-74, Cl. 73-423.00r.

Mallard, John Rowland; Mitchell, James Gault; and Wilks, Robin John, to National Research Development Corporation. Gamma camera activated to be responsive to selected levels of light emission. 3,793,519, 2-19-74, Cl. 250-366.000.

Mallary, Miller B., to Engelhard Minerals & Chemicals Corporation. Purification of kaolin clay by froth flotation. 3,827,556, 8-6-74, Cl. 209-166.000.

Mallavarapu, Leo X., to Reichhold Chemicals, Inc. Resinous compositions and method for producing same. 3,787,347, 1-22-74, Cl. 260-30.4ep.

Mallay Corporation: *See*—
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Mallery, Lawrence E.; Arken, Theodore; and Swenson, Henning C., Jr., to GTE Sylvania Incorporated. Balloon borne differential temperature sensor and transmission system. 3,841,154, 10-15-74, Cl. 73-170.00r.

Malles, Raymond W. Safety bottle device. 3,820,675, 6-28-74, Cl. 215-9.000.

Mallet & Co., Inc.: *See*—
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Mallett, James A.; and Mitchell, Edward B., to Ark-Les Switch Corporation. Pushbutton slide switch. 3,827,008, 7-30-74, Cl. 339-95.00d.

Mallett, Paul H.: *See*—
Mallett, Paul H.; and Pipes, Calvin (said Pipes assor. to said), 3,794,918.

Mallett, Paul H.; and Pipes, Calvin, said Pipes assor. to said Mallett, Paul H. Timing system for timing a series of events. 3,794,918, 2-26-74, Cl. 324-186.000.

Mallett, William R.: *See*—
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Mallico, Charles D., to Enthone, Incorporated. Pre-conditioner concentrate. 3,791,986, 2-12-74, Cl. 252-355.000.

Mallinckrodt, Charles O., to TRW Inc. Beamformer scanning systems. 3,836,886, 9-17-74, Cl. 340-6.00r.

Mallinckrodt Chemical Works: *See*—
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Monte, Alexander A.; and Chiang, Ching, 3,816,262.
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Mallinckrodt, Inc.: *See*—
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Mallinder, Frederick Paul; and Hannah, Clifford George, to Rolls-Royce (1971) Limited. Fibre reinforced composite structures. 3,834,832, 9-10-74, Cl. 416-230.000.

Mallinger, John. Audible speedometer. 3,823,383, 7-9-74, Cl. 340-62.000.

Mallinson, Richard B.; and Mecklenborg, Richard A., to Singer Company, The, mesne. Point light source system. 3,850,516, 11-26-74, Cl. 353-122.000.

Mallion, Keith Blakeney, to Imperial Chemical Industries Limited. Halogenation process. 3,804,847, 4-16-74, Cl. 260-306.700.

Mallofre, Salvador Gali. Machine for screen printing on long tables. 3,805,699, 4-23-74, Cl. 101-123.000.

Mallon, Joseph R., Jr.: *See*—
Kurtz, Anthony D.; and Mallon, Joseph R., Jr., 3,800,264.

Mallon, Marvin C., to Interdyne Company. Electrical contact. 3,824,557, 7-16-74, Cl. 339-258.00r.

Mallonee, William C.; and Harris, Henry E., to Monsanto Company. Gas activated bonding or undrawn polyamide articles. 3,798,104, 3-19-74, Cl. 156-306.000.

Malloney, William R.: *See*—
Granzow, Daniel B.; Malloney, William R.; and Miles, William B., 3,845,239.

Mallory Battery Company of Canada Limited: *See*—
Przybyla, Franciszek, 3,847,784.

Mallory, Edwin E., to National-Standard Company. Tire building apparatus. 3,795,564, 3-5-74, Cl. 156-417.000.

Mallory, Edwin E., to National-Standard Company. Tire building apparatus of building tires. 3,833,444, 9-3-74, Cl. 156-400.000.

Mallory, Edwin E.; and Bryant, Emerson C., to National-Standard Company. Tire building apparatus for building tires. 3,833,445, 9-3-74, Cl. 156-401.000.

Mallory Electric Corporation: *See*—
Mallory, Marion, Jr., 3,842,817.

Mallory, Marion, Jr., to Mallory Electric Corporation. Capacitive discharge ignition system. 3,842,817, 10-22-74, Cl. 123-148.00e.

Mallory, P. R., & Co., Inc.: *See*—
Anderson, Daniel J., 3,812,038.
Angelovich, Stephen J., 3,791,873.
Ayers, Clifton E.; and Herreman, Walter G., 3,845,537.
Booe, James M., 3,851,363.
Booen, James M., 3,783,480.
Boyle, Gerard H.; Epstein, James; and Liang, Charles C., 3,841,914.
Brown, William R., 3,814,874.
Brown, William Ray, 3,790,726.
Cilberti, Frank Leonard, Jr., 3,784,411.
Dey, Arabinda N., 3,804,672.
Dey, Arabinda N.; and Bro, Per, 3,806,369.
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Epstein, James; and Liang, Charles C., 3,799,959.
Erwin, Robert Dale, 3,809,932.
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Fagan, Franklin G., Jr., 3,824,129.
Fagan, Franklin G., Jr., 3,827,916.
Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., 3,838,958.
Fuller, Fred J.; Kirschner, John G.; and Stark, Richard A., 3,840,315.
Gonzales, J. Tim, 3,857,496.
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Helfen, Ralph K., 3,835,389.
Hill, Kenneth R., 3,804,675.
Homan, William N.; Schuder, Maurice E.; and Stafford, Richard W., 3,819,886.
Homan, William N.; and Stafford, Richard W., 3,821,503.
Huddleston, Robert F., 3,829,648.
Huddleston, Robert F., 3,831,270.
Kallianides, Milton; and Klein, Gerhart P., 3,827,951.
Kaye, Gordon E.; and Sussingham, George, 3,823,367.
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Klein, Gerhart P., 3,809,552.
Klein, Gerhart P.; and Vierow, William F., 3,817,782.
Krock, Richard H.; and Richmond, William J., 3,808,671.
Krock, Richard H.; and Zdanuk, Edward J., 3,852,879.
Larsen, Earl I., 3,830,280.
Larsen, Earl I.; and Krock, Richard H., 3,841,846.
Liang, Charles C.; McDonald, Bruce; and Vierow, William F., 3,811,944.
Liang, Charles C.; and Schlaikjer, Carl R., 3,837,920.
Liang, Charles Chi, 3,824,130.
Neely, Lloyd F., 3,827,883.
Obenchain, Keith T.; and Jimerson, James C., 3,832,607.
Ralston, Robert E.; and Ko, Yung Ling, 3,811,955.
Scott, Charles E., 3,846,648.
Shoot, Lyle E., 3,845,364.
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Underwood, David W., 3,845,668.
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Waugh, Jerry, 3,827,699.
Wilkinson, Richard W., 3,805,005.
Zaleski, John, 3,785,872.
Zaleski, John, 3,787,243.
Zdanuk, Edward J.; Krock, Richard H.; and Shen, Yuan Shou, 3,799,772.

Mallory, Peter E.; Davis, Raehn; and van de Houten, Richard S., to General Dynamics Corporation. Frame synchronization system for digital multiplexing systems. 3,854,011, 12-10-74, Cl. 179-15.0bs.

Mallory, William L.: *See*—
Carlsmith, Lawrence A.; Mallory, William L.; and Perkins, Joseph K., 3,785,577.

Mallow, William A.; Owen, Richard A.; and Baker, Ethelbert J., Jr., to Southwest Research Institute. Solidified silica foam product and process. 3,856,539, 12-24-74, Cl. 106-75.000.

Malloy, Edward D.; and Parsons, William L., Jr., to Garlock, Inc. Butterfly valve having an improved stem seal. 3,837,620, 9-24-74, Cl. 251-306.000.

Malloy, P. R., & Co., Inc.: *See*—
Brown, William R.; and Mullikin, Noel C., 3,824,357.

Malloy, Richard J.: *See*—
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Malloy, Richard Joseph: *See*—
Purol, Michael Dennis; and Malloy, Richard Joseph, 3,846,130.

Mallozzi, Philip J.; and Fairand, Barry P., to Industrial Materials Limited, mesne. Altering material properties. 3,850,698, 11-26-74, Cl. 148-4.000.

Malm, Hillar: *See*—
Lindgren, Mats; and Malm, Hillar, 3,853,179.

Malm, Marvin Forest, to International Telephone and Telegraph Corporation. Call park circuit for an automatic telephone switching system. 3,789,153, 1-29-74, Cl. 179-27.00d.

Malm, Robert N., to General Electric Company. Rounded and halogen lamp with spiral exhaust tube and method of manufacture. 3,798,491, 3-19-74, Cl. 313-315.000.

Malmaison, Rueil: *See*—
Habermann, Helmut; Loyen, Roger; Joly, Pierre; Auber, Yvan; and Malmaison, Rueil, 3,787,100.

Malmberg, Earl W.: *See*—
Dycus, Dale W.; Malmberg, Earl W.; and Wilchester, Harry L., 3,827,497.

Malmberg, John H.; and Bornell, Donald G. Balancing device. 3,806,116, 4-23-74, Cl. 272-57.00a.

Malmendier, Joseph W.: *See*—
Dumbaugh, William H., Jr.; and Malmendier, Joseph W., 3,810,744.

Malmendier, Joseph W.; and Sojka, Joseph E., to Corning Glass Works. Low melting vanadate glasses. 3,837,866, 9-24-74, Cl. 106-47.00r.

Malmgren, George L. Humidifier. 3,814,393, 6-4-74, Cl. 261-80.000.

Malmin, Oscar. Combined irrigator, injector and evacuator. 3,807,048, 4-30-74, Cl. 32-40.00r.

Malmin, Oscar. Combined endodontic irrigating, injecting and sealing instrument. 3,816,921, 6-18-74, Cl. 32-40.00r.

Malmin, Oscar. Endodontic operating and sealing method and apparatus therefor. 3,855,702, 12-24-74, Cl. 32-15.000.

Malmin, Oscar. Endodontic operating system. 3,855,705, 12-24-74, Cl. 32-40.00r.

Malmoren, Per Ake; and Johansson, Kurt Eilert, to Ake Malmgrens Mekaniska Vekstad AB. Device for weighing of vehicle loads. 3,794,130, 2-26-74, Cl. 177-137.000.

Malmquist, Leo: *See*—
Wallin, Helge Frithiof; and Malmquist, Leo, 3,819,899.

Malmrose, Gerald E.; and Helgesson, Ulf R., to Acoustifone Corporation. Acoustic distributor. 3,845,838, 11-5-74, Cl. 181-129.000.

Malmstrom, Sven-Erik, to Swedish Hospital Supply SHS AB. Disposable lancet. 3,789,830, 2-5-74, Cl. 128-2.00f.

Malmstrom, Sven-Erik, to Swedish Hospital Supply SHS AB Disposable lancet. 3,822,461, 7-9-74, Cl. 29-415.000.

Malmstron, Rolf E.: *See*—
Bryk, Petri B.; Honkasalo, Jorma B.; Malmstron, Rolf E.; Makipirtti, Simo A. I.; Toivanen, Toivo A.; and Aaltonen, Olavi A., 3,790,366.

Malnaison, Nadella Ruid: *See*—
Pitner, Alfred, 3,848,939.

Maloesky, Bernard M., to Loctite Corporation. Anaerobic compositions. 3,855,040, 12-17-74, Cl. 156-310.000.

Malon, Jean-Pierre; and Loreau, Joseph Andre. Systems for controlling the speed of an automotive vehicle, especially of a train. 3,808,427, 4-30-74, Cl. 245-62.00r.

Malon, Jean-Pierre; and Loreau, Joseph Andre. Device emitting or receiving electrical signals resulting from the movement of a vehicle along the device. 3,825,672, 7-23-74, Cl. 174-97.000.

Malone, Billy C., to Lynes, Inc. Safety valve arrangement for controlling communication between the interior and exterior of a tubular mamber. 3,818,922, 6-25-74, Cl. 137-70.000.

Malone, Billy C., to Lynes, Inc. Method of forming an inflatable member. 3,837,947, 9-24-74, Cl. 156-69.000.

Malone, De Troy. Electrical conductor adjusting means for medical diagnostic equipment. 3,821,496, 6-28-74, Cl. 191-12.20r.

Malone, Gary: *See—*
Love, Olen J., 3,787,994.

Malone, H. H.: *See—*
Love, Olen J., 3,787,994.

Malone, Harold L.; and Bodensteiner, Robert J., to Eastman Kodak Company. Flash extender. 3,810,214, 5-7-74, Cl. 354-148.000.

Malone, Paul E., to General Electric Company. System for independent or common control of prime movers. 3,812,377, 5-21-74, Cl. 290-4.000.

Malone, Raymond F.; and Raring, Linus M., to Crucible Inc. Method for producing grooved alloy structures. 3,844,778, 10-29-74, Cl. 75-208.00r.

Maloney, Dennis J.: *See—*
Gasparaitis, Bernard; and Maloney, Dennis J., 3,812,310.

Maloney, Joseph H., to Allis-Chalmers Corporation. Stabilizing apparatus for lift trucks. 3,814,026, 6-4-74, Cl. 104-246.000.

Maloney, Kenneth M.: *See—*
Henderson, David C.; and Maloney, Kenneth M., 3,842,306.

Maloney, Thomas C.; and Miller, Donald E., to Burroughs Corporation. Display panel having rows and columns of cells with wide viewing angle. 3,849,688, 11-19-74, Cl. 313-188.000.

Maloney, William T., to United States of America, Army. Method of lifting a heavy component for sensitive engagement with another. 3,792,787, 2-19-74, Cl. 214-152.000.

Maloney, William T.; and McMahon, Donald H., to Sperry Rand Corporation. Stacked photoplastic data storage system. 3,838,403, 9-24-74, Cl. 340-173.0tp.

Maloney-Crawford Tank Corporation: *See—*
Gravis, Charles K., III; and Hodgson, Robert A., 3,841,382.

Maloof, Ralph: *See—*
De Vault, Robert T.; and Maloof, Ralph, 3,827,390.

Maloof, Robert E., to General Electric Company. Caps and connectors with positioning cam and method of forming. 3,823,381, 7-9-74, Cl. 339-196.00m.

Malootian, Markay H.: *See—*
Prentice, Winslow W.; and Malootian, Markay H., 3,834,960.

Malott, Richard C. Resistance locking mechanism. 3,799,533, 3-26-74, Cl. 269-32.000.

Malott, Thomas J.; and Stacey, Hugh J., to Parker-Hannifin Corporation. Load control and holding valve. 3,795,255, 3-5-74, Cl. 137-102.000.

Malott, Thomas J.; and Paul, John C., to Parker-Hannifin Corporation. Directional control valve. 3,827,453, 8-6-74, Cl. 137-117.000.

Malouf, Emil Edward: *See—*
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Spedden, Henry Rush; and Malouf, Emil Edward, 3,819,797.
Spedden, Henry Rush; and Malouf, Emil Edward, 3,834,760.

Malovich, Peter, to Inland Steel Company. Soaking pit cover apparatus and method. 3,853,077, 12-10-74, Cl. 110-173.00a.

Maloy, Robert W.: *See—*
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Malpass, Alan: *See—*
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Maltby, Peter John; Malpass, Alan; and Ellis, Kenneth Harold, 3,794,276.

Maltby, Jack; and Stubss, Dennis, to British Steel Corporation. Rolling mills. 3,818,742, 6-25-74, Cl. 72-238.000.

Maltby, Jack, to Davy and United Engineering Company Limited. Rolling mills. 3,837,201, 9-24-74, Cl. 72-239.000.

Maltby, Peter John; Malpass, Alan; and Ellis, Kenneth Harold, to Lucas Aerospace Limited. Electro-hydraulic actuating systems for aircraft control surfaces. 3,794,276, 2-26-74, Cl. 244-78.000.

Maltby, Peter John; Glaze, Stanley George; Ellis, Kenneth Harold; Craven, Donald; and Binns, John Michael, to Lucas Aerospace Limited. Control apparatus for a powered hoist. 3,847,251, 11-12-74, Cl. 187-29.00r.

Maltby, Robert E., Jr.; and O'Connell, Thomas B., to Libbey-Owens-Ford Company. Scanning apparatus for measuring glass temperatures. 3,849,099, 11-19-74, Cl. 65-158.000.

Malte, Ashok M.: *See—*
Meyers, Cal Yale; Matthews, Walter Sidney, III; and Malte, Ashok M., 3,830,862.

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Maltenieks, Otto J., to Lockheed Aircraft Corporation. Water repellent composition of organosilicon complex. 3,825,578, 7-23-74, Cl. 260-448.80r.

Malter, Lewis: *See—*
Boostrom, Roy Edward; Mandell, Arman; and Malter, Lewis, 3,806,259.

Maltese, John, to E. R. C. Laboratory, Inc. Recorder-reproducer with solenoid-controlled record and rewind operations. 3,821,800, 6-28-74, Cl. 360-62.000.

Malthouse, William B.; and Masters, David R., to United States of America, Atomic Energy Commission. Syntactic carbon foam. 3,832,426, 8-27-74, Cl. 264-29.000.

Maltman, William Ramsey; and Howard, Colin Robert, to Pilkington Brothers Limited. Manufacture of patterned glass. 3,850,605, 11-26-74, Cl. 65-99.00a.

Malton, Robert E.: *See—*
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Maltsev, Lev Alexandrovich: *See—*
Averyanov, Viktor Vasilievich; Bortnichuk, Nikolai Iosifovich; Garanov, Viktor Nikolaevich; Krutyansky, Mikhail Mironovich; Malinovsky, Vladimir Sergeevich; Meerson, Grigory Izrailevich; Maltsev, Lev Alexandrovich; and Panycheva, Lidia Alexandrovna, 3,811,29.

Maltsev, Vadim Vasilievich: *See—*
Samoilov, Sergei Mikhailovich; Plate, Nikolai Aefredovich; Maltsev, Vadim Vasilievich; Monastyrsky, Viktor Nikolaevich; and Kargin, Valentin Alexeevich, 3,804,816.

Maltz, Georg; Buschkamp, Heinz; and Schonfeld, Hans, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Connection between coaxial conductor pairs. 3,818,123, 6-18-74, Cl. 174-88.00c.

Malvestuto, Frank S., Jr. Aircraft transporter. 3,856,238, 12-24-74, Cl. 244-5.000.

Malvin, Harry Herbert. Fluorescence cuvette. 3,849,654, 11-19-74, Cl. 250-363.000.

Maly, Neil A.: *See—*
Menapace, Henry R.; Benner, Gerald S.; and Maly, Neil A., 3,784,631.

Maly, Neil A.; Menapace, Henry R.; and Benner, Gerald S., to Goodyear Tire & Rubber Company, The. Dimerization or codimerization of alpha olefins. 3,784,629, 1-8-74, Cl. 260-683.15d.

Maly, Neil A.; Menapace, Henry R.; and Benner, Gerald S., to Goodyear Tire & Rubber Company, The. Dimerization or codimerization of alpha olefins. 3,784,630, 1-8-74, Cl. 260-683.15d.

Malyon, Brian R., to Selectro-Micro Company Limited. Information retrieval apparatus. 3,809,302, 5-7-74, Cl. 226-33.000.

Malyon, Brian R., to Selectro-Micro Company Limited. Servo control systems. 3,846,686, 11-5-74, Cl. 318-349.000.

Malyshev, Boris Nikolaevich: *See—*
Krasnov, Mikhail Mikhailovich; Stelmakh, Mitrofan Fedorovich; Malyshev, Boris Nikolaevich; Prozorov, Vladimir Nikolaevich; Saprykin, Pavel Ivanovich; and Batrukova, Maria Grigorievna, 3,828,788.

Malzac, Guillaume: *See—*
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Malzahn, Wayne R.: *See—*
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Malzahn, Wayne Robert, to Ralston Purina Company. High protein ready-to-eat breakfast cereal. 3,852,491, 12-3-74, Cl. 426-346.000.

Malzoni, Tulio; and Lopes, Manoel Valentino. Residential water heaters. 3,795,789, 3-5-74, Cl. 219-309.000.

Mamalis, Patrick; La Croix, Arther Stuart; and Mhasalker, Solomon Ezekiel, to Beecham Group Limited. Imidazole insectisides. 3,850,953, 11-26-74, Cl. 260-309.000.

Mameniskis, Walter A.: *See—*
Melpolder, Frank W.; Guetens, Edward G.; and Mameniskis, Walter A., 3,827,947.
Washall, Thomas A.; and Mameniskis, Walter A., 3,816,478.

Mamin, Evgeny Borisovich; Makarov, Viktor Alexeevich; Korneeva, Calina Petrovna; Poppel, Boris Safronovich; and Ivanov, Vyacheslav Ivanovich. Beta-irradiation apparatus. 3,784,825, 1-8-74, Cl. 250-496.000.

Mamiya, Gohee. Multi-stage absorption refrigeration system. 3,831,397, 8-27-74, Cl. 62-476.000.

Mamiya Koki Kabushiki Kaisha: *See—*
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Mammino, Joseph: *See—*
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Wells, John B.; and Mammino, Joseph, 3,849,132.

Mammino, Joseph; Jossel, Franklin; Kobey, James M.; Serio, John P.; Solodar, Warren E.; and Walker, Alan H., to Xerox Corporation. Color electrophotographic imaging process. 3,804,619, 4-16-74, Cl. 96-1.200.

Mammino, Joseph; and Amidon, Alan B., to Xerox Corporation. Liquid electrostatographic developer compositions. 3,856,692, 12-24-74, Cl. 252-62.100.

Mammoth Plastics Inc.: *See—*
Crisci, Victor Eugene, 3,830,395.

Mamo, Anthony C., to Borg-Warner Corporation. Adjustable crib with variable degrees of confinement and accessibility. 3,797,053, 3-19-74, Cl. 5-97.000.

Mamo, Anthony C.; Paulson, Donald L.; and Ozag, Gustav, to Borg-Warner Corporation. Stabilized plinth assembly for a hydrotherapy treatment system. 3,857,118, 12-31-74, Cl. 4-185.001.

Mamula, Milan: *See—*
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M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft: *See—*
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M.A.N. Warme- und Luftechnik GmbH, mesne: *See—*
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Man-Labs, Incorporated: *See—*
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Manabe, Haruo: *See—*
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Manabe, Isao: *See—*
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Manabe, Jiro: *See—*
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Managemant Programs, Inc.: *See—*
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Management Services and Applied Research, Inc., Center for Research, Inc.: *See—*
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Manaka, Shiro: *See—*
Mita, Ikuo; Kawamura, Hiroyuki; and Manaka, Shiro, 3,791,943.

Manara, Giovanni; and Fattore, Vittorio, to Snam Progetti, S.p.A. Process for the preparation of oxidation catalysts and catalysts obtained thereby. 3,849,337, 11-19-74, Cl. 252-439.000.

Manarch Marking Systems Company, The: *See—*
Dobras, Bruce W., 3,809,893.

Manasco Manufacturing Company: *See—*
Kendall, Giles A.; Hoppe, James C.; and Hsieh, Wilbur P., 3,823,903.

Manassen, Joost, to Veda Research and Development Co. Ltd. Process for the production of metals. 3,820,979, 6-28-74, Cl. 75-108.000.

Manaugh, Carlisle F.: *See—*
Grove, Donald E.; and Manaugh, Carlisle F., 3,802,290.

Manber, Solomon, to Redactron Corporation. Display system for several fonts of characters. 3,803,583, 4-9-74, Cl. 340-324.0ad.

Manber, Solomon, to Redactron Corporation. Character display system with tabbing function. 3,816,823, 6-11-74, Cl. 340-324.0ad.

Manbritt Industries, Inc.: *See—*
Britten, George C., 3,856,450.

Manca, Marcello: *See—*
Montefusco, Nicola; and Manca, Marcello, 3,843,943.

Manca, Michael E.; and Drinnon, Robert H., to Boeing Company, The. Clamshell exhaust nozzle and sound deflector. 3,809,178, 5-7-74, Cl. 181-33.0hc.

Manca, Michael E.; and Drinnon, Robert H., to Boeing Company, The. Noise shield for jet engine exhaust. 3,844,375, 10-29-74, Cl. 181-33.0hc.

Manca, Michael E.; and Drinnon, Robert H., to Boeing Company, The. Clamshell noise shield for engine exhaust. 3,844,376, 10-29-74, Cl. 181-33.0hc.

Manceau, Marcel: *See—*
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Mancebo, Lloyd, to United States of America, Atomic Energy Commission. High-emission cold cathode. 3,789,310, 1-29-74, Cl. 330-4.300.

Manchester, Michael J.: *See—*
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Manchester, Russell C.: *See—*
Chough, Euiwon; Deverse, Frank T.; Konrad, Franz; Kurtz, John A.; and Manchester, Russell C., 3,809,050.

Manchester, William E.; and Hugill, Douglas B., to Northrop Corporation. Ceramic die press system. 3,823,303, 7-9-74, Cl. 219-153.000.

Mancilla, Edward; Peting, Richard L.; and Van Ness, Laverne W., to Wilson Pharmaceutical & Chemical Corporation. Process for producing of alkali metal salt of heparin. 3,817,831, 6-18-74, Cl. 195-7.000.

Mancini, Corrado; and Gaspari, Raffaele, to Societa' Italiana S.I.R. S.p.A. Process for polymerizing ethylene. 3,806,499, 4-23-74, Cl. 260-94.90r.

Mancini, Emilio: *See—*
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Mancino, Pasquale M. Therapeutic headgear device. 3,824,022, 7-16-74, Cl. 401-6.000.

Manco Manufacturing Co.: *See—*
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Mancy, Denise; Ninet, Leon; and Preud'Homme, Jean, to Rhone-Poulenc S.A. Antibiotic 18.631 RP. 3,793,147, 2-19-74, Cl. 195-80.00r.

Mancy, Denise; Ninet, Leon; and Preud'Homme, Jean, to Rhone-Poulenc S.A. Antibiotic 19,402 R.P. 3,821,366, 6-28-74, Cl. 424-117.000.

Mancy, Denise; Florent, Jean; and Preud'Homme, Jean, to Rhone-Poulenc S.A. Antibiotic 21190 RP and process for preparing same. 3,822,350, 7-2-74, Cl. 424-118.000.

Mancy, Denise; Florent, Jean; and Lunel, Jean, to Rhone-Poulenc S.A. Antibiotics 23,671 RP and 23,672 RP. 3,857,937, 12-31-74, Cl. 424-120.000.

Mandals Rederbane Christiansen & Co. A/S: *See—*
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Mandarious, Samia S.: *See—*
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Mandel, Alan F.: *See—*
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Mandel, Alan F., to Westinghouse Electric Corporation. Elevator system. 3,807,531, 4-30-74, Cl. 187-29.00r.

Mandel, David J. Apparatus for synthesis and analysis of letter representations of speech sounds. 3,798,797, 3-26-74, Cl. 35-35.00r.

Mandel, Jorn: *See—*
Kraemer, Friedrich; Mandel, Jorn; Mayer, Siegfried; Rohrig, Klaus; Schulz, Hans-Peter; Weidenmuller, Hilmar; Haverkamp, Klaus Dieter; and Motz, Jurgen, 3,785,632.

Mandel, Lewis R., to Merck & Co. Inc. Method of treatment. 3,821,381, 6-28-74, Cl. 424-251.000.

Mandel, Lewis R., to Merck & Co., Inc. Method of treatment. 3,821,409, 6-28-74, Cl. 424-332.000.

Mandel, Lewis R., to Merck & Co. Inc. Method of treatment. 3,824,311, 7-16-74, Cl. 424-267.000.

Mandel, Lewis R. Method of treatment. 3,824,315, 7-16-74, Cl. 424-251.000.

Mandel, Marc Jean-Christophe Noel, to L'Institut de Researches Ecomoniques et Sociales. Process for accelerating the learning of languages. 3,828,446, 8-13-74, Cl. 35-35.00c.

Mandelbaum, William; and Violette, John A., to United Aircraft Corporation. Stator vane support and construction thereof. 3,836,282, 9-17-74, Cl. 415-217.000.

Mandell, Arman: *See—*
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Mandell, Darla R., to Merrick Industries, Inc. Solid state vend control means and process of operation. 3,791,505, 2-12-74, Cl. 194-10.000.

Mandell, Harry Creston, Jr., to Pennwalt Corporation. Temporary soil release resins applied to fabrics in laundering. 3,782,898, 1-1-74, Cl. 8-137.000.

Mandell, Robert B.: *See—*
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Mandeltort, Stanley T., to VCA Corporation. Aerosol dispensing device. 3,785,528, 1-15-74, Cl. 222-148.000.

Manderscheid, Peter: *See—*
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Mandeville, Arthur R., to Scott Paper Company. Method of drying an electrophotographic support element. 3,856,555, 12-24-74, Cl. 117-37.0le.
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Mandich, Ronald P.; and Middleton, David L., to Kimberly-Clark Corporation. Apparatus and method for feeding and placing elongated flexible strip material. 3,837,975, 9-24-74, Cl. 156-513.000.
Mandl, Gerhard, to Rieter Machine Works, Ltd. Spinning and twisting spindle. 3,798,888, 3-26-74, Cl. 57-135.000.
Mandl, Gerhard, to Rieter Machine Works, Ltd. Brake for spinning and twisting spindles. 3,823,540, 7-16-74, Cl. 57-58.000.
Mandley, Donald J., to General Motors Corporation. Multiple hardness O-rings. 3,788,654, 1-29-74, Cl. 277-229.000.
Mandoki, Andor: *See—*
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Powell, Johnnie L.; and Doyle, Carl L., 3,797,624.
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Mandrup, Jorgen, to Matador Industries, Inc. Refuse compactor. 3,842,729, 10-22-74, Cl. 100-229.00a.
Mandusky, Jack C.: *See—*
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Mandusky, Jack C., to Hoover Ball and Bearing Company. Spring locating apparatus for box spring assemblies. 3,824,639, 7-23-74, Cl. 5-260.000.
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Mandzsu, Jozsef; Jagicza, Laszlo; Peter, Attila; Kellner, Laszlo; and Jodal, Sandor, to Tok-Gyem Finommechanikai es Elektronikus Muszergyarto SZ. Illuminated display device providing continuous light gradation. 3,827,042, 7-30-74, Cl. 340-335.000.
Maneck, Ernst: *See—*
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Maness, Dale D., to Exxon Research and Engineering Company. Methods for the preparation of improved faujasite compositions. 3,852,411, 12-3-74, Cl. 423-329.000.
Maness, George S.; and Stanton, John R., to Pepper Mill, Inc. Fireplace construction and method with flaming water hearth. 3,830,217, 8-20-74, Cl. 126-120.000.
Manfre, Giovanni; and Vianello, Domenico, to Montecatini Edison S.p.A. Apparatus for making a glass or the like coated wire. 3,791,172, 2-12-74, Cl. 65-11.000.
Manfredi, Urbano, to United States of America, Navy. Polar resolver. 3,808,413, 4-30-74, Cl. 235-186.000.
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Mangan, Edmund L.; and Bartlett, William G., to Bethlehem Steel Corporation. Signal conditioner apparatus for compensating an electronic material gaging signal. 3,832,549, 8-27-74, Cl. 250-358.000.
Manganaro, George F., to Electro-Matic Staplers, Inc., mesne. Electromagnetic stapler. 3,786,978, 1-22-74, Cl. 227-8.000.
Mangels, Robert H.: *See—*
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Mangen, Carl Arnold: *See—*
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Manghirmalani, Arjan T., to Xerox Corporation. Dark decay retardation. 3,784,299, 1-8-74, Cl. 355-3.000.
Mangiavacchi, Jacques; and Lukasiewicz, Francois, to Societe Anonyme: Glaenzer Spicer. Quick mounting axial retaining assembly for constant velocity universal joints. 3,805,551, 4-23-74, Cl. 64-21.000.
Mangiavacchi, Jacques, to Societe Anonyme: Glaenzer Spicer. Counterbalancing device for coupling shafts for universal joints. 3,824,808, 7-23-74, Cl. 64-17.00a.
Mangiavacchi, Jacques, to Societe Anonyme: Glaenzer Spicer. Sealing device for use in universal joints. 3,846,995, 11-12-74, Cl. 64-17.00r.
Mango, Silvio D. Heated, vibratory track sander. 3,827,736, 8-6-74, Cl. 291-20.000.
Mangold, Dietrich; Fischer, Adolf; Rohr, Wolfgang; and Hamprecht, Gerhard, to BASF Aktiengesellschaft. Substituted O-(aminosulfonyl)-glycolic anilides. 3,849,467, 11-19-74, Cl. 264-456.00a.
Mangold, Hans; and Klein, Walter, to Grundig E.M.V. Elektro-Mechanische Versuchsanstalt Max Grundig. Circuit arrangement for applying a temperature stabilized voltage to a voltage sensitive component. 3,787,784, 1-22-74, Cl. 331-177.00v.
Mangold, James, to Societe Anonyme D.B.A. Vehicle antiskid braking system. 3,856,364, 12-24-74, Cl. 303-21.00f.
Mangood Corporation: *See—*
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Manhardt, John R., to Itek Corporation. Photographic processes and imaging media therefor. 3,794,496, 2-26-74, Cl. 96-114.100.
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Manharth, Gary B., to General Electric Company. Device for locking turbomachinery blades. 3,832,092, 8-27-74, Cl. 416-220.000.
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Manheim, Jay. Pilfer proof display unit for pack merchandise. 3,786,927, 1-22-74, Cl. 211-4.000.
Mani, Inder, to Dow Chemical Company, The. Resin and process for curing by exposing to ionizing radiation a mixture of a vinyl ester resin, an alkenyl aromatic monomer and a 2-oxazoline or guanidine. 3,810,825, 5-14-74, Cl. 204-159.150.
Mani, Inder, to Dow Chemical Company, The. Radiation polymerizable vinyl ester resins containing 2-oxazoline and guanidine additives. 3,810,826, 5-14-74, Cl. 204-159.150.
Mani, Inder, to Dow Chemical Company, The. Radiation polymerizable vinyl ester resins containing-2-oxazoline and guanidine additives. 3,816,283, 6-11-74, Cl. 204-159.150.
Manierre, Robert L.: *See—*
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Manigault, Edward L., to Chas. Taylor's Sons Company, The. Zircon refractory compositions. 3,804,649, 4-16-74, Cl. 106-57.000.
Manigault, Edward L., to Taylor's Chas. Sons Company, The. Alumina refractory composition. 3,808,013, 4-30-74, Cl. 106-65.000.
Manini, Giuseppe. Device for operating hinged closures. 3,815,361, 6-11-74, Cl. 60-477.000.
Manino, Louie G.; and Sexsmith, Frederick H., to Lord Corporation. Shelf-stable adhesive compositions for laminating elastomers to metal and textile substrates and such laminates. 3,830,784, 8-20-74, Cl. 260-77.50r.
Manion, Francis M.; and Kirshner, Joseph M., to United States of America, Army. High input impedance flueric amplifier. 3,786,839, 1-22-74, Cl. 137-837.000.
Manion, Jean P.; and Davies, Daniel J., to Allis-Chalmers Manufacturing Company. Surface fluorinated hydrogen containing material and process for making. 3,808,115, 4-30-74, Cl. 204-165.000.
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Manjikian, Serop. Reverse osmosis system adaptable for manual operation. 3,830,372, 8-20-74, Cl. 210-321.000.
Manjikian, Serop. Reverse osmosis water purifying system for household use. 3,849,305, 11-19-74, Cl. 210-23.000.
Mankawich, Joseph D. Hydrofoil sailboat. 3,802,366, 4-9-74, Cl. 114-39.000.
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Manke, Girard M.; Schuldt, Theodore J., Jr.; and Klein, James A., to Collins Radio Company. Gust compensation for angle-of-attack referenced aircraft speed control system. 3,814,912, 6-4-74, Cl. 235-150.200.
Mankey, Harry S.: *See—*
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Manko, Howard; and Langan, James, to Alpha Metals, Inc. Electroplating chromium with a non-consumable chrome plating anode. 3,794,570, 2-26-74, Cl. 204-51.000.
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Manlove, Glendell; and Ishler, Paul Kenneth. Molding and cabinet construction. 3,837,721, 9-24-74, Cl. 312-257.000.
Mann, Douglas G., to Clambake International, Incorporated. Cooking apparatus. 3,811,374, 5-21-74, Cl. 99-341.000.
Mann, Douglas M. Dental model trimmer. 3,808,750, 5-7-74, Cl. 51-273.000.
Mann, Elton W., to Research Corporation. Method for controlling fungal diseases of plants. 3,819,829, 6-25-74, Cl. 424-93.000.
Mann, Eugene H. Ignition point assembly with guide posts for movable contacts. 3,798,396, 3-19-74, Cl. 200-30.00a.
Mann, Fred W. Animal activated insecticide dust applicator. 3,821,940, 7-2-74, Cl. 119-159.000.
Mann, Frederick W. Cushioned adjustable swing hitch for vehicle. 3,782,760, 1-1-74, Cl. 280-467.000.
Mann, Frederick W. Toy top and release means therefor. 3,789,545, 2-5-74, Cl. 46-62.000.
Mann, Freeman W., to Landis Tool Company. Grinding machine with a safety housing. 3,830,019, 8-20-74, Cl. 51-103.00c.
Mann, George Forbes, to Burroughs Wellcome Co. Culture apparatus. 3,827,943, 8-6-74, Cl. 195-127.000.
Mann, Henry, to Mann, Henry, Inc. Bow forming plier. 3,804,132, 4-16-74, Cl. 140-106.000.
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Mann, Horace C., Jr., to Tennessee Valley Authority. Production of urea-ammonium sulfate. 3,785,796, 1-15-74, Cl. 71-28.000.
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Mann, Larry L., to Kaiser Aluminum & Chemical Corporation. Method for lining rotary kilns. 3,836,612, 9-17-74, Cl. 264-30.000.
Mann, Morley. Post driver. 3,856,092, 12-24-74, Cl. 173-122.000.
Mann, Ralph W.: *See—*
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Mann, Robert H. Insulated containers or the like. 3,785,254, 1-15-74, Cl. 93-36.010.
Mann, Ronald P., to Johnson Service Company. Remote set point control. 3,812,465, 5-21-74, Cl. 340-172.500.
Mannbro, Nils Viktor, to Skogsagarnas Industri Aktiebolag. Method of reducing the discharge of waste products from pulp mills. 3,830,688, 8-20-74, Cl. 162-29.000.
Mannens, Marc Godfried; Jaeken, Jan; Janssens, Wilhelmus; and Priem, Jan Jozef, to Agfa-Gevaert N.V. Ultraviolet-absorbing polymers compositions and filter. 3,813,255, 5-28-74, Cl. 117-33.300.
Manner, Roland; and Hueber, Peter, to Krause, Robert, KG. Actuating device. 3,854,785, 12-17-74, Cl. 312-319.000.
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Manning, David C.; and Fernandez, Frank J., to Perkin-Elmer Corporation, The. Method and apparatus for generating gases for atomic absorption spectrophotometers. 3,801,282, 4-2-74, Cl. 23-230.00r.
Manning, Don P.; and Flower, Thomas A., to Allied Chemical Corporation. Apparatus for controlled quenching of melt extruded filaments. 3,855,453, 12-17-74, Cl. 219-553.000.
Manning, Donald L., to General Motors Corporation. Bus side panel. 3,794,373, 2-26-74, Cl. 296-28.00a.
Manning, Donald L., to General Motors Corporation. Extruded conduit bundle and mounting means therefor. 3,805,847, 4-23-74, Cl. 138-115.000.
Manning, Donald L., to General Motors Corporation. Engine cooling and noise abatement system. 3,856,100, 12-24-74, Cl. 180-54.00a.
Manning, Donald Lee, to General Motors Corporation. Transit vehicle body module. 3,794,374, 2-26-74, Cl. 296-28.00a.
Manning, Ernest Alan. Air conditioning apparatus. 3,821,982, 7-2-74, Cl. 165-60.000.
Manning, Eugene P., to Kamre Corporation. Bobbin holder for attachment of different sized bobbins to a spool. 3,854,673, 12-17-74, Cl. 242-118.410.
Manning, George H.; and Pritchett, Marion C. Fishing apparatus with fishhook disengager. 3,802,111, 4-9-74, Cl. 43-17.200.
Manning, Harold E., to Petro-Tex Chemical Corporation. Oxidative dehydrogenation with manganese ferrite catalysts. 3,849,511, 11-19-74, Cl. 260-680.00e.
Manning, Harold E., to Petro-Tex Chemical Corporation. Metal vanadite catalyzed oxidative dehydrogenation process. 3,856,881, 12-24-74, Cl. 260-680.00e.
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Manning, Raymond J. Wheeled toy. 3,835,583, 9-17-74, Cl. 46-201.000.
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Manning, Robert E., to Sandoz-Wander, Inc. 6 or 7-substituted 4 or 8-(amino-1-methylbutylamino) quinolines as hypolipidemic agents. 3,798,322, 3-19-74, Cl. 424-200.000.
Manning, Robert E., to Sandoz-Wander, Inc. N,N'-Disubstituted-p-phenylenediamines. 3,819,708, 6-25-74, Cl. 260-573.000.

Manning, Robert E., to Sandoz-Wander, Inc. p-Phenylenediamines as hypolipidemics. 3,833,734, 9-3-74, Cl. 424-330.000.
Manning, Robert E., to Sandoz-Wander, Inc. Process for the preparation of substituted or unsubstituted pyridines. 3,842,086, 10-15-74, Cl. 260-290.00h.
Manning, Stanley Arthur: *See—*
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Manning, Virgil B. Rotatable dart board, magnetic darts and magnetic scoring switches. 3,836,148, 9-17-74, Cl. 273-95.00r.
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Manolis, John. Machine for producing self-opening envelopes. 3,799,044, 3-26-74, Cl. 93-76.000.
Manoogian, Alex; and Pollen, Eric V., to Masco Corporation. Aerator spray attachment for faucets. 3,786,995, 1-22-74, Cl. 239-428.500.
Manor, Gedalyahu, to Technion Research and Development Foundation, Ltd. Overload release mechanism for three-point hitch device on tractors. 3,817,557, 6-18-74, Cl. 280-452.000.
Manor, Robert T. Valve mechanism for an air operated reciprocating engine. 3,847,058, 11-12-74, Cl. 91-413.000.
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Manos, Philip, to Du Pont de Nemours, E. I., and Company. Sulfonation of diamides of meta-phenylenediamine. 3,839,294, 10-1-74, Cl. 260-78.0sc.
Manoukian, Nubar S., to Coherent Radiation. Laser having means for defogging the optical cavity thereof. 3,783,405, 1-1-74, Cl. 331-94.550.
Manoury, Philippe Michel Jacques: *See—*
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Manoussos, Georges; Dossou, Koovi Gatien; and Gascon, Martine, to L'Oreal. Body fluid absorbent material containing periodic acid as deodorizing agent. 3,804,094, 4-16-74, Cl. 128-290.00r.
Manowitz, Milton; Sharpell, Frederick H., Jr.; and Stegmann, Carolyn, to Givaudan Corporation. Inhibiting growth of microorganisms in aqueous systems. 3,843,519, 10-22-74, Cl. 210-64.000.
Mans, Leonardus Frans Helene: *See—*
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Mansard, Bernard, to Commissariat a l'Energie Atomique. Process for dissolving sodium, potassium and their alloys. 3,808,141, 4-30-74, Cl. 252-301.10r.
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Moriya, Nobuyoshi, 3,832,127.
Mansell, Henry J., to Meps, Inc., mesne. Apparatus and method for treating exhaust gases of combustion. 3,856,485, 12-24-74, Cl. 55-73.000.
Manser, Josef, to Gebrueder Buehler AG. Combined mixer, kneader and presser particularly for food processing. 3,813,082, 5-28-74, Cl. 259-6.000.
Manser, Niklaus: *See—*
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Mansfeld, Hans, to Migua Witteldeutsche Gummi- und Asbestgesellschaft Hammerschmidt & Co., Firma. Bracket structure for elastic expansion cap sealing devices. 3,797,188, 3-19-74, Cl. 52-396.000.
Mansfield, Donald R.: *See—*
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Mansfield, Geoffrey Harry; and Lyth, William, to Imperial Chemical Industries Limited. Detection of decontamination of water. 3,790,345, 2-5-74, Cl. 23-230.00r.
Mansfield, Gerald R.; Rogers, Charles H.; and Sullivan, Kevin J., to Corning Glass Works. System for controlling centrifugal forces to produce cellular monolayers. 3,827,805, 8-6-74, Cl. 356-73.000.
Mansfield, John William Brian, to Fleet Electronics Limited. Determination or monitoring of the distances of surfaces from reference positions. 3,821,558, 6-28-74, Cl. 250-577.000.
Mansfield, John William Brian, to Fleet Electronics Limited. Recording or alarm devices. 3,836,900, 9-17-74, Cl. 340-279.000.
Mansfield, Ray. Non-snag anchor. 3,841,255, 10-15-74, Cl. 114-206.00r.
Mansfield, Richard C., to Rohm and Haas Company. Process for preparation of alkyl glucosides and alkyl oligosaccharides. 3,839,318, 10-1-74, Cl. 260-210.00r.
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Manske, Hans E., to Zenith Radio Corporation. Solid-state television receiver with magnetically regulated power supply. 3,798,497, 3-19-74, Cl. 315-29.000.
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Mansnerus, Harlan H., to United States of America, Navy. Multiinput loop filter with independent bandwidth and response characteristics. 3,784,924, 1-8-74, Cl. 330-30.00r.
Mansnerus, John A.; and Dombrowski, Ted A., to Bell Company, Inc., The. Lamp for producing colored flame. 3,811,817, 5-21-74, Cl. 431-126.000.
Manson, Charles D., Jr.; and Baker, Eugene E., to Halliburton Company. System for remotely constructing underground structures. 3,853,137, 12-10-74, Cl. 137-1.000.
Mansour, Said K.; and Rehfuss, John W., to Celanese Coatings Company. Polymeric dispersions stabilized by cellulosic precursors. 3,806,478, 4-23-74, Cl. 260-17.00a.
Mansouri, Hosein: *See—*
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Manspeaker, Edward L. Bowstring with a variable lengthening device. 3,802,411, 4-9-74, Cl. 124-30.00a.
Manss, August. Wheel for vehicle tires. 3,790,220, 2-5-74, Cl. 301-63.00d.
Mansson, Mans Gunnar Ove: *See—*
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Mansson, Ragnar; Nilsson, Lars; Noberius, Leif; and Sundqvist, Cnut, to Aktiebolaget Asea-Atom. Steam separating means for boiling water reactors. 3,821,078, 6-28-74, Cl. 176-54.000.
Mansson, Sven E., to Magnetic Analysis Corporation. Apparatus for generating stable driving pulses for an eddy current test system. 3,786,347, 1-15-74, Cl. 324-40.000.
Mansson, Sven E., to Magnetic Analysis Corporation. Pulse eddy current testing apparatus with ramp phase shifter. 3,798,538, 3-19-74, Cl. 324-40.000.
Mansson, Sven E., to Magnetic Analysis Corporation. Current regulator for pulse eddy current tester. 3,809,998, 5-7-74, Cl. 323-4.000.
Mansson, Sven E.; Brooks, Robert A.; and Bebick, Paul J., to Magnetic Analysis Corporation. Calibration and balance system in pulse eddy current testing apparatus. 3,823,368, 7-9-74, Cl. 324-40.000.

Mansson, Sven E.; Bebick, Paul J.; and Spierer, Edward D., to Magnetic Analysis Corporation. Multi-probe flux leakage testing apparatus producing bipolar signals from the largest simultaneously occurring signals of each polarity. 3,854,085, 12-10-74, Cl. 34-37.000.
Mansur, Fred E., to Owens-Illinois, Inc. Polymeric based composition. 3,782,989, 1-1-74, Cl. 106-285.000.
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Mantel, John F. Natural bait holder. 3,795,074, 3-5-74, Cl. 43-44.200.
Mantel, Robert, to Mantel Brothers (Proprietary) Limited. Foldable cranes. 3,819,059, 6-25-74, Cl. 212-35.00r.
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Mantey, John P., to International Business Machines Corporation. Web movement control in a reel-to reel web transport. 3,809,335, 5-7-74, Cl. 242-186.000.
Mantey, John P., to International Business Machines Corporation. Credibility testing in sampled-data systems. 3,845,370, 10-29-74, Cl. 318-327.000.
Mantey, Paul Gerhard; and Knorr, Eberhard, to Eisenwerk-Gesellschaft Maximilianshutte m.b.H. Wear-resistant spouts for metallurgical vessels. 3,801,083, 4-2-74, Cl. 266-38.000.
Mantha, Francois J. All terrain kit for snowmobile. 3,840,084, 10-8-74, Cl. 180-9.380.
Manthei, Edward C.: *See—*
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Mantle, Barry David George; and Hill, Samuel Alan, to Babcock & Wilcox Limited. Apparatus for reverse osmosis or hyperfiltration treatment of feed solutions. 3,823,829, 7-16-74, Cl. 210-321.000.
Mantle, Peter J., to United States of America, Navy. Variable geometry marine propulsor. 3,830,190, 8-20-74, Cl. 115-34.00r.
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Mantovani, Dante. Sheet folding machine with two magazines. 3,822,878, 7-9-74, Cl. 270-68.00a.
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Manuel, Larry N.; deceased (by Manuel, Ruby Joy; administratrix). Padlock case. 3,848,440, 11-19-74, Cl. 70-55.000.
Manuel, Larry N., deceased (Manuel, Ruby L, administratrix of the estate of). Rotatable stair assembly adapted for attachment to a vehicle platform. 3,799,288, 3-26-74, Cl. 182-91.000.
Manuel, Malcolm O., to A-T-O Inc. Spray washing system for garments. 3,827,262, 8-6-74, Cl. 68-3.00r.
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Manyafov, Valery Nikolaevich; Busheev, Anatoly Ivanovich; Semenov, Roman Lvovich; and Klevtsov, Valery Alexeevich. Electron tube having chamber anode structure. 3,784,866, 1-8-74, Cl. 313-299.000.
Manyafov, Valery Nikolaevich; Busheev, Anatoly Ivanovich; Semenov, Roman Lvovich; and Klevtsov, Valery Alexeevich. Multi-electrode electron tube. 3,790,000, 2-5-74, Cl. 313-299.000.
Manyek, Leonard F., to Stanray Corporation. Tandem wheel truing machine. 3,848,513, 11-19-74, Cl. 90-16.000.
Manz, August Frederick, to Union Carbide Corporation. Method for short circuit metal transfer arc welding. 3,809,853, 5-7-74, Cl. 219-137.000.
Manzanilla, Fernando; Manjarrez, Armando; Conroy, Lino; and Lara, Julio, to Instituto Mexicano Del Petroleo. Process for the removal of contaminants from hydrocracking feedstocks. 3,798,157, 3-19-74, Cl. 208-251.000.
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Mao, Chung-Ling; Bakker, Lynn A.; and Robertson, John R., to Uniroyal, Inc. Polyurethane foams and method of making same. 3,821,132, 6-28-74, Cl. 260-2.5am.
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Mar, Jerry, to Bell Telephone Laboratories, Incorporated. Nondestructive read semiconductor memory utilizing avalanche breakdown. 3,786,443, 1-15-74, Cl. 340-173.00r.
Mar, Jerry, to Bell Telephone Laboratories, Incorporated. Reduced access terminal memory system. 3,806,896, 4-23-74, Cl. 340-173.00r.
Mar, Jerry, to Bell Telephone Laboratories. Multiple function logic circuit. 3,814,951, 6-4-74, Cl. 307-215.000.
Mar, John; Garrett, Todd; Reynaud, Albert H.; Vigneron, Frank; and Gerrish, Robert J., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Inflatable underwater platform. 3,803,540, 4-9-74, Cl. 340-2.000.
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Marantz, Laurence B.; and Moran, Clifford M., to CCI Life Systems, Inc., mesne. Method of making granular zirconium hydrous oxide ion exchangers, such as zirconium phosphate and hydrous zirconium oxide, particularly for column use. 3,850,835, 11-26-74, Cl.252-182.000.
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Maravetz, Lester L., to Esso Research and Engineering Company. Herbicidal N-furfuryl substituted 216-dinitroanilines. 3,784,574, 1-8-74, Cl. 260-347.700.
Maravetz, Lester L., to Mobil Oil Corporation. 2-Chloro-N-furfuryl or tetrahydrofurylacetanilides and ring-substituted derivatives. 3,819,661, 6-25-74, Cl. 260-347.300.
Maravetz, Lester L., to Mobil Oil Corporation. Derivatives of hydroxy-benzo(b) thiophene. 3,836,542, 9-17-74, Cl. 260-330.500.
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Getz, Edward H.; and Marcade, Roque, 3,803,881.
Marcade, Roque D., to Whirlpool Corporation. Dry sensor circuit with static discriminator for dryer. 3,818,603, 6-25-74, Cl. 34-45.000.
Marcade, Roque Denis: *See—*
Offutt, Carl R.; Janke, Donald Edward; and Marcade, Roque Denis, 3,818,604.
Marcal Paper Mills, Inc.: *See—*
Marcalus, Nicholas; and Smaw, Jesse B., 3,850,425.
Marcalus, Nicholas; and Smaw, Jesse B., to Marcal Paper Mills, Inc. Interfolding machine. 3,850,425, 11-26-74, Cl. 270-40.000.
Marcalus, Robert L. Method and apparatus for securing the tail convolution of a roll. 3,791,907, 2-12-74, Cl. 156-253.000.
Marcatili, Enrique Alfredo Jose: *See—*
Cook, John Stone; and Marcatili, Enrique Alfredo Jose, 3,825,319.
Gloge, Detlef Christoph; and Marcatili, Enrique Alfredo Jose, 3,823,997.
Kompfner, Rudolf; and Marcatili, Enrique Alfredo Jose, 3,823,996.
Marcatili, Enrique Alfredo Jose, to Bell Telephone Laboratories, Incorporated. Method for splicing optical fibers. 3,798,099, 3-19-74, Cl. 156-158.000.
Marcatili, Enrique Alfredo Jose, to Bell Telephone Laboratories, Incorporated. Optical cable including a plurality of single material fibers. 3,814,499, 6-4-74, Cl. 350-96.0wg.
Marcdargent, Serge: *See—*
De Pradenne, Henri Vayson; and Marcdargent, Serge, 3,823,200.
Marceau, Joseph G. Brick extractor for electric furnaces. 3,802,741, 4-9-74, Cl. 299-34.000.
Marceau, Rene, 50% to Marcoux, Robert. Rotary fluid handling device. 3,796,519, 3-12-74, Cl. 417-294.000.
Marceau, William E.: *See—*
Montgomery, William S., Jr.; Marceau, William E.; and Bates, William G., 3,841,855.
Marceau, William E.; Bates, William G.; and Mroczek, Thomas J., to Selas Corporation of America. Glass sheet carrier. 3,850,420, 11-26-74, Cl. 269-46.000.
Marcel, Jean Pierre. Rotary pressurised-fluid device with coaxial annular units having reciprocating partitions. 3,850,552, 11-26-74, Cl. 418-6.000.
Marcell, Richard L.; and Chang, Tsuan Y., to Halcon International, Inc. Oxidation of hydrocarbon to alcohols via borate esters. 3,796,761, 3-12-74, Cl. 260-631.00b.
Marcellin, Louis: *See—*
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Marcellini, Robert Ph. A., to Charbonnages de France. Gas supply apparatus for fluidization treatment reactor. 3,818,606, 6-25-74, Cl. 34-57.00a.
Marcellis, Alphanso W.; and Kerschner, Paul M., to Cities Service Oil Company. Lubricating oil compositions. 3,784,473, 1-8-74, Cl. 252-51.50a.
Marcellis, Alphonso W.; and Peterson, Donald H., to Cities Service Oil Company. Lubricating oil additive and lubricating oil compositions containing same. 3,857,791, 12-31-74, Cl. 252-51.50a.
March Manufacturing Company: *See—*
Krebs, Frank; and Zimmermann, Frederick N., 3,834,839.
Zimmermann, Frederick N., 3,802,804.

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Marchadier, Charles; and Togny, Jean, to Rhone-Poulenc-Textile. Apparatus for making spunbonded fabrics. 3,798,100, 3-19-74, Cl. 156-167.000.
Marchal, Philippe Albert Hippolyte: *See—*
Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, 3,828,574.
Marchand, Andre M., to Ateliers Roannais de Constructions Textiles. Yarn guiding apparatus. 3,790,996, 2-12-74, Cl. 28-71.300.
Marchand, Jacques J., to First Dynamics, Inc. Machine for producing filled two-lidded plastic containers with a drinking straw and a puncturable depression in each lower lid. 3,851,441, 12-3-74, Cl. 53-116.000.
Marchand, Jean; and Cottrex, Gerard. Cell for sequential circuits and circuits made with such cells. 3,805,168, 4-16-74, Cl. 328-70.000.
Marchandise, Victor Felix: *See—*
Delgendre, Jacques Claude; Guigot, Vincent Louis; and Marchandise, Victor Felix, 3,832,949.
Marchandise, Victor Felix; Signoret, Elie Louis; Bal, Gerard Andre; and Barilero, Lucien Eugene, to Etat Francais. Exploding wire fuse component. 3,797,393, 3-19-74, Cl. 102-28.0eb.
Marchant, Derek N.: *See—*
Bagshawe, Kenneth D.; and Marchant, Derek N., 3,784,826.
Marchant, John C.; and Tinney, John R., to Eastman Kodak Company. Laser stabilization and/or photodevelopment of silver halide materials. 3,811,885, 5-21-74, Cl. 96-27.00r.
Marchant, Paul A., to Ethyl Development Corporation. Safety closure for containers. 3,822,805, 7-9-74, Cl. 215-9.000.
Marchant, Paul A., to Ethyl Development Corporation. Container with safety closure. 3,828,957, 8-13-74, Cl. 215-9.000.
Marchant, Paul A., to Ethyl Development Corporation. Vial or container with safety closure. 3,853,237, 12-10-74, Cl. 215-224.000.
Marchard, Gustav, to Gebr. Bohler & Co., AG. Stamping knife. 3,824,887, 7-23-74, Cl. 83-679.000.
Marchello, Maurice J.: *See—*
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Marchenko, Alexandr Nikolaevich: *See—*
Tjutjunnikov, Anatoly Borisovich; Shporkhun, Vitaly Ivanovich; Marchenko, Alexandr Nikolaevich; Pochinok, Galina Panteleimonovna; and Krivorotchenko, Erik Mikhailovich, 3,817,501.
Marchesani, Cesare N., to Colgate-Palmolive Company. Adhesive closure for plastic film bags. 3,806,024, 4-23-74, Cl. 229-62.000.
Marchese, Michael Anthony: *See—*
Perkins, Warren Edwin; and Marchese, Michael Anthony, 3,845,635.
Marchese, Vincent P.; and Rakowsky, Edward L., to Singer Company, The. Apparatus for remote ignition of explosives. 3,811,359, 5-21-74, Cl. 89-1.813.
Marchesi, Gianfranco: *See—*
Arrigoni, Virgilio; Gaetani, Bruno; Marchesi, Gianfranco; and Zanoni, Gianfranco, 3,837,165.
Marchesi, Ralph R. Tamper-proof water meter. 3,795,144, 3-5-74, Cl. 23-201.000.
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Marchetti, Gianfranco; and Tronconi, Alterto, to Societa' Italiana Telecomunicazioni Siemens S.p.A. Electronic switching system. 3,796,894, 3-12-74, Cl. 307-257.000.
Marchetti, Roland A. Method of reclaiming electrolyte for reuse in batteries. 3,841,916, 10-15-74, Cl. 136-165.000.
Marchetto, Manfredo: *See—*
Cnobloch, Herbert; Kohlmuller, Hans; and Marchetto, Manfredo, 3,783,028.
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Marchi, Joseph. Clarinet. 3,844,193, 10-29-74, Cl. 84-382.000.
Marchi, Marc Roger: *See—*
Camboulives, Andre Alphonse Mederic Leon; Le Maout, Theophile Francois; Marchi, Marc Roger; and Vandenbroucke, Roger Alfred Jules, 3,851,900.
Marchignoni, Albano. Exercising and teaching apparatus for limb training and for teaching swimming. 3,791,646, 2-12-74, Cl. 272-71.000.
Marchione, Joseph H.; and Skubal, John J., to Atwood Vacuum Machine Company. Dual action conical door hinge system. 3,848,293, 11-19-74, Cl. 16-163.000.
Marchitto, Michael James; and Landriscina, Vincent James, Jr. Solid stick lubricant for tapping holes. 3,847,824, 11-12-74, Cl. 252-12.000.
Marchner, Jan, to Allmanna Svenska Elektriska Aktiebolaget. Arc furnace. 3,806,622, 4-23-74, Cl. 13-14.000.
Marchner, Jan, to Allmanna Svenska Elektriska Aktiebolaget. Tilting furnace. 3,835,231, 9-10-74, Cl. 13-10.000.
Marchner Jan, to Allmanna Svenska Elektriska Aktiebolaget. Charging means. 3,835,232, 9-10-74, Cl. 13-10.000.
Marciandi, Franco: *See—*
Moreschini, Luciano; Marciandi, Franco; Petrini, Guido; and Faletti, Franco, 3,833,639.
Petrini, Guido; Moreschini, Luciano; Marciandi, Franco; and Faletti, Franco, 3,801,621.
Marcil, Jean Pierre. Suspension damping device. 3,810,659, 5-14-74, Cl. 280-276.000.
Marciniak, John J., to Harris-Intertype Corporation. Sheet material trimming method and apparatus. 3,811,350, 5-21-74, Cl. 83-39.000.
Marcinkiewicz, Eugene J.: *See—*
Colestock, Harry Elliott; Hoadley, Kenneth G.; and Marcinkiewicz, Eugene J., 3,799,682.
Marcinko, Frank V.: *See—*
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Marco, John L. Intrauterine device. 3,820,535, 6-28-74, Cl. 128-130.000.
Marco, Leslie Stephan, to Illinois Tool Works Inc. Nursing bottle construction and assembly. 3,784,039, 1-8-74, Cl. 215-11.00e.
Marco, Leslie Stephan, to Illinois Tool Works, Inc. Method of manufacturing a reformed plastic article. 3,787,547, 1-22-74, Cl. 264-249.000.
Marco, Leslie Stephan. Nurser bottle construction. 3,851,781, 12-3-74, Cl. 215-11.00e.
Marcona Company: *See—*
Miscovich, John A., 3,816,027.
Marcona Corporation: *See—*
Archibald, William R.; and Gilbert, John J., 3,797,590.
Keith, James M., 3,793,845.
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Marconi Company Limited, The: *See—*
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Meares, David John, 3,800,225.
Miller, William Francis, 3,826,995.
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Rosenbaum, Harold Matthew; and Duerden, Francis, 3,810,317.
Skingley, Brian Stanley; and Curtis, Anthony Thomas, 3,794,926.
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Marcor Hoysing Systems, Incorporated: *See—*
Livingston, Johnston R., 3,800,493.
Marcot, Guy G., to Bell & Howell Company. Acicular gamma iron oxide process. 3,845,198, 10-29-74, Cl. 423-634.000.
Marcoux, Emery. Sheet material cutter. 3,835,536, 9-17-74, Cl. 30-294.000.
Marcoux, Leo; and Berg, Peter G., to Texas Instruments Incorporated. Actuator apparatus. 3,782,121, 1-1-74, Cl. 60-527.000.
Marcoux, Leo, to Texas Instruments, Incorporated. Liquid level indicating system. 3,833,874, 9-3-74, Cl. 337-100.000.
Marcoux, Robert: *See—*
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Marcovitch, Jacob, to Rotary Profile Anstalt. Apparatus for and method of rolling articles. 3,788,114, 1-29-74, Cl. 72-83.000.
Marcovitch, Jacob. Forming of articles by rolling. 3,808,863, 5-7-74, Cl. 72-199.000.
Marcovitch, Jacob, to Rotary Profile Anstalt. Profiling of workpieces. 3,811,308, 5-21-74, Cl. 72-210.000.
Marcum, Alfred L., Jr.: *See—*
Springer, Lamar D.; Mullendore, David L.; and Marcum, Alfred L., Jr., 3,820,729.
Marcum, Alfred L., Jr.; and Rosenbaum, Donald A.; deceased (by Rosenbaum, Catherine K.; executrix), said Marum assors. to United States of America, Air Force. Pressure glove. 3,801,988, 4-9-74, Cl. 2-161.00r.

Marcum, Alfred L., Jr., to Price Brothers Company. Apparatus for straight line oscillation of a wire guide. 3,822,831, 7-9-74, Cl. 242-7.210.
Marcum, Arthur D.: *See—*
Morrow, Robert S.; Penn, Lloyd D.; and Marcum, Arthur D., 3,787,765.
Marcum, Donald R.: *See—*
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Marcus, Douglas Larry, 50% to Schwartz, Joseph M. Diving suit heater. 3,815,573, 6-11-74, Cl. 126-204.000.
Marcus, Erich: *See—*
Robson, John Howard; and Marcus, Erich, 3,845,056.
Marcus, Ernst. Four-cycle internal combustion engine without a camshaft. 3,842,812, 10-22-74, Cl. 123-75.0rc.
Marcus, Ilan: *See—*
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Marcus, Ira R.; and Muckelroy, William L. Microminiature monolithic ferroceramic transformer. 3,833,872, 9-3-74, Cl. 336-83.000.
Marcus, Israel. Water-soluble tetracyclines. 3,846,486, 11-5-74, Cl. 260-519.000.
Marcus, Paul. Linear transfer injection blow molding. 3,819,314, 6-25-74, Cl. 425-249.000.
Marcussen, Henry, to Whirlpool Corporation. Removable clothers basket for dryer. 3,840,998, 10-15-74, Cl. 34-128.000.
Marcussen, Lee R.: *See—*
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Marcy, Raymond: *See—*
Hepner, Georges; Lacombat, Michel; and Marcy, Raymond, 3,786,332.
Marcy, Raymond, to Thomson-CSF. Systems for writing patterns on photosensitive substrates. 3,797,935, 3-19-74, Cl. 355-53.000.
Marden, Adrian: *See—*
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Marder, Arnold R.: *See—*
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Marder, Herman Lowell: *See—*
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Mardiguian, Jean; and Fournier, Pierre, to Societe a Responsabilite Limitee dite: MAR-PHA Societe d'Etudes d'Exploitation de Marques. Compounds, 2-bis(4-chlorophenoxy)ethyl nicotinate, 2-bis(4-chlorophenoxy)propyl dinicotinate and 2-(3,4-dimethyl-6-isobornl-phenoxy)ethyl nicotinate. 3,786,060, 1-15-74, Cl. 260-295.50r.
Mardiguian, Jean; and Fournier, Pierre, to Societe a Responsabilite Limitee dite: MAR-PHA Societe d'Etudes et d'Exploitation de Marques. Process for the preparation of isobornylphenol. 3,833,671, 9-3-74, Cl. 260-619.00d.
Mardiguian, Jean; and Fournier, Pierre, to Societe a Responsabilite Limitee dite: Societe d'Etude et d'Exploitation de Marques Mar-Pha. Heparin esters. 3,835,112, 9-10-74, Cl. 260-211.00r.
Mardla, Ilmar: *See—*
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Mare, Ernest, to Hershberger, J. Ronald. Scrubbing apparatus. 3,785,127, 1-15-74, Cl. 55-233.000.
Mare, Ernest. Scrubbing apparatus and method. 3,827,216, 8-6-74, Cl. 55-95.000.
Mare, Peter D.; and Ross, Albert L. Band dispensing apparatus. 3,792,807, 2-19-74, Cl. 225-100.000.
Mare, Peter D.; and Ross, Albert L. Band label applying and container positioning apparatus. 3,811,986, 5-21-74, Cl. 156-494.000.
Mare, Peter D.; and Ross, Albert L., to Flip-On Packaging Inc. Container banding apparatus. 3,850,777, 11-26-74, Cl. 156-494.000.
Mareau, Wayne M.: *See—*
Clecak, Nicholas J.; Cox, Robert J.; and Mareau, Wayne M., 3,812,162.
Marecaux, Paul, to Societe Pour l'Equipment des Industries Chimiques Speichim. Process and device for purification of effluents containing phenols and ammonium salts. 3,855,076, 12-17-74, Cl. 203-11.000.
Marecek, John R.: *See—*
Niemi, Arvi E.; and Marecek, John R., 3,785,001.
Marechal, Gilles Adrien Georges. Device for fastening a cable to a connector handle. 3,796,504, 3-12-74, Cl. 403-288.000.
Marechal, Gilles Adrien Georges. Electric connection devices. 3,853,376, 12-10-74, Cl. 339-41.000.
Marechal, Robert Rene, to Societe Industrielle et Commerical de Materiel Aeronautique (S.I.C.M.A.). Suction Security devices. 3,823,900, 7-16-74, Cl. 244-118.00p.
Maree, Michel; Sabatie, Michele; and Label, Micheline, to Societe Nationale Industrielle Aerospatiale. Liquid-gas bottle. 3,799,385, 3-26-74, Cl. 220-9.01f.
Marek, Alois, to BBC Brown, Boveri & Company, Limited. Cooling system for power semiconductor devices. 3,800,190, 3-26-74, Cl. 317-234.00r.
Marek, Alois, to BBC Brown Boveri & Company Limited. Differential amplifier. 3,806,823, 4-23-74, Cl. 330-30.00d.
Marek, Donald C.: *See—*
Smith, Spencer E.; Marek, Donald C.; and Klaviter, Walter F., 3,796,335.
Marek, Josef; Hayn, Gunther; and Rotzer, Harald, to Austria Tabakwerke Aktiengesellschaft vorm. Osterreichische Fabakregie. Process for testing the filling capability of tobacco and devices for performing such process. 3,798,456, 3-19-74, Cl. 250-308.000.
Maremont Corporation: *See—*
Glazener, Carey A., 3,811,628.
McNally, Sellers B., 3,791,494.
McNally, Sellers B., 3,805,383.
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Pfau, Jean; Marendaz, Georges-Andre; and Rhyner, Heinz, 3,832,510.
Marendaz, Georges-Andre, to Ateliers des Charmilles S.A. Method and apparatus for controlling the feed of an electrode-tool relative to a workpiece in electrical discharge machining. 3,825,714, 7-23-74, Cl. 219-69.00g.
Maresca, Gerard: *See—*
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Mareschal, Jean: *See—*
Ferrand, Bernard; Forrat, Francis; Grange, Yves; Joubert, Jean-Claude; and Mareschal, Jean, 3,849,193.
Marfiewicz, Wilhelm, to Korsch, Emil, Spezialfabrik fur Komprimiermaschinen, Firma. Blow molding machines. 3,790,318, 2-5-74, Cl. 425-326.00b.
Marforio, Nerino, to S.p.A. Virginio Rimoldi & C. Apparatus for producing stitching patterns with sewing machine removing means. 3,783,809, 1-8-74, Cl. 112-121.140.
Marforio, Nerino, to S.p.A. Virginio Rimoldi & C. Looper driving device with periodically variable speed in zig-zag chainstitch sewing machines. 3,783,810, 1-8-74, Cl. 112-159.000.
Marforio, Nerino, to S.p.A. Virginio Rimoldi & C. Lubricant sealing device for a work feeding mechanism of a sewing machine. 3,785,310, 1-15-74, Cl. 112-256.000.
Marforio, Nerino, to Rimoldi, Virginio, & C., S.p.A. Sewing apparatus with automatic workpieces stacking means. 3,788,248, 1-29-74, Cl. 112-121.290.
Marforio, Nerino, to Rimoldi, Virginio, & C., S.p.A. Lubricant purification filter for sewing machines. 3,788,252, 1-29-74, Cl. 112-256.000.
Marforio, Nerino, to S.p.A. Virginio Rimoldi & C. Apparatus for making up fabric pieces of a predetermined length generally on sewing machines. 3,799,088, 3-26-74, Cl. 112-130.000.
Marforio, Nerino, to S.p.A. Virginio Rimoldi & C. Apparatus for forming patterned seams in fabric workpieces. 3,810,436, 5-14-74, Cl. 112-121.150.
Marforio, Nerino, to Virginio Rimoldi & C.S.p.A. One-direction rotating blade for sewing machines cutters. 3,818,851, 6-25-74, Cl. 112-130.000.
Marforio, Nerino, to Rimoldi, Virginio & C., S.p.A. Sewing machine with upper roller feeding device adjustable independently from the feed dog. 3,853,078, 12-10-74, Cl. 112-211.000.
Marfy, Zoltan Josef, to Clark and Smith Industries, Limited. Tape machine with index members to control tape transport. 3,813,689, 5-28-74, Cl. 360-74.000.
Marg, Charles M.; and Marg, Donald B. Calking cartridge nozzles. 3,841,537, 10-15-74, Cl. 222-541.000.
Marg, Donald B.: *See—*
Marg, Charles M.; and Marg, Donald B., 3,841,537.
Margala, Jean Pierre; and Cassany, Jean Louis Roger, to International Electric Corporation. Digital device for fast frequency control of a frequency synthesizer. 3,824,483, 7-16-74, Cl. 331-1.00a.
Margen, Peter Heinrich Erwin, to Aktiebolaget Atomenergi. Heat-exchanger. 3,850,230, 11-26-74, Cl. 165-66.000.
Margerum, Bruce A.: *See—*
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Margerum, John D., to Hughes Aircraft Company. Photopolymerization systems with tetrazolium salt. 3,788,858, 1-29-74, Cl. 96-115.00p.
Margeson, Mark A.: *See—*
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Margetts, George Philip: *See—*
Margetts, John L.; and Margetts, George Philip, 3,820,833.
Margetts, Hugh Grenville, to Girling Limited. Vehicle brake adjuster. 3,794,145, 2-26-74, Cl. 188-79.50p.
Margetts, Hugh Grenville, to Girling Limited. Shoe drum brakes. 3,811,537, 5-21-74, Cl. 188-79.50p.
Margetts, Hugh Grenville, to Girling Limited. Cross-pull brake actuator. 3,823,799, 7-16-74, Cl. 188-78.000.
Margetts, Hugh Grenville, to Girling Limited. Shoe-drum brakes. 3,835,964, 9-17-74, Cl. 188-79.5gt.
Margetts, John L.; and Margetts, George Philip. Laterally extensible bumper for a camper body. 3,820,833, 6-28-74, Cl. 293-63.000.
Marginet, Pedro Cabeceran. Feminine use pads. 3,805,785, 4-23-74, Cl. 128-263.000.
Margittai, Thomas. Evaporator apparatus. 3,837,388, 9-24-74, Cl. 159-13.00r.
Margolis, Elly T., to Dart Industries, Inc. Thermogenic systems. 3,804,771, 4-16-74, Cl. 252-188.300.
Margolis, Maier, to Hughes Aircraft Company. System for compensating line-of-sight from stabilized platform against misdirection caused by lateral linear accelerations. 3,829,659, 8-13-74, Cl. 235-61.50s.
Margosiak, Stanley A.: *See—*
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Margot, Alfred: *See—*
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Margotte, Dieter: *See—*
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Margotte, Dieter; Vernaleken, Hugo; and Schnell, Hermann, to Bayer Aktiengesellschaft. Blends of polycarbonate crafts on vinyl polymers with polycarbonates and/or vinyl polymers. 3,856,886, 12-24-74, Cl. 260-873.000.
Margotte, Werner; and Benner, Alfred, to Ciba-Geigy Corporation. Process for the manufacture of polyglycidyl ethers. 3,799,950, 3-26-74, Cl. 260-348.600.
Margraf, Adolf. Dust and like filters method. 3,834,123, 9-10-74, Cl. 55-96.000.
Margraf, Harry W.: *See—*
Klippel, Allen P.; and Margraf, Harry W., 3,830,908.
Margraf, Harry W., 1/3 to Klippel, Allen P. Physiological organic acid silver allantoinates. 3,830,824, 8-20-74, Cl. 260-299.000.
Margraf, Harry W., 1/3 to Klippel, Allen P. Zinc sulf-hydroxy allantoinate. 3,830,825, 8-20-74, Cl. 260-299.000.
Margraf, Harry W., to Washington University. Silver zinc allantoin complex. 3,856,805, 12-24-74, Cl. 260-299.000.
Margrafe, Rodolphe: *See—*
Bouchaudon, Jean; Vourat, Guy; and Margrafe, Rodolphe, 3,847,868.
Margraff, Rodolphe, to Rhone-Poulenc S.A. Polyoxetanes with functional groups. 3,839,235, 10-1-74, Cl. 260-2.0xa.
Margrain, Pierre; and Lacroux, Gerard, to Etablissements E. Ragonot. Low inertia rotor for dynamo electric machines, and method of making the same. 3,805,104, 4-16-74, Cl. 310-266.000.
Marguette Electronics, Inc.: *See—*
Griffin, John H., 3,815,035.
Margulis, Grigory Borisovich: *See—*
Antonenko, Grigory Semenovich; Badamian, Avetik Artashesovich; Margulis, Grigory Borisovich; Moroz, Ilya Alexandrovich; and Shitsman, Mikhail Borisovich, 3,835,689.
Margulis, Hyman J. Disposable sanitary mitten. 3,805,297, 4-23-74, Cl. 2-158.000.
Marhefka, Andrew J.; and Ravotto, Martin H., to United States of America, Army. Telescoping airborn launch tube. 3,797,360, 3-19-74, Cl. 89-37.50d.
Marhold, Werner: *See—*
Bruce, Roger K.; Marhold, Werner; and Adickes, Cecil F., 3,849,053.
Marhsall & Williams Company: *See—*
Hyatt, Frederick; and Coburn, Theodore Robert, 3,786,706.
Maria, Paul; and Conard, Albert. Batteryless pocket spark plug tester. 3,793,582, 2-19-74, Cl. 324-15.000.
Maria, Paul N.: *See—*
Conrad, Albert C.; and Maria, Paul N., 3,808,418.
Mariani, Luigi: *See—*
Fontanella, Luigi; and Mariani, Luigi, 3,817,987.
Mariani, Remo. Lighting means for underwater illumination. 3,829,675, 8-13-74, Cl. 240-1.01p.
Marianne, Custazzo: *See—*
Chatterji, Arun K.; Marianne, Custazzo; Demosthemes, Kiriazides K.; Russell, John J., Jr.; and Serio, John P., 3,819,367.
Maricle, Donald L.; and George, Michael A., to Zito Company, Inc., The. Zinc bromide battery. 3,806,368, 4-23-74, Cl. 136-6.00r.
Maricle, Donald Leonard; and Rauhut, Michael McKay, to American Cyanamid Company. Method for providing electroluminescent light from a polycyclic heterocyclic compound in an aprotic solvent under electric current. 3,816,795, 6-11-74, Cl. 315-246.000.
Maricle, Donald Leonard; and Giglia, Robert Domenico, to American Cyanamid Company. Electrochromic mirror. 3,844,636, 10-29-74, Cl. 350-160.000.
Marie, Gabriel Yves, to Regie Autonome des Transports and Inter-Elec. Safety devices for a system for automatically driving a vehicle. 3,850,391, 11-26-74, Cl. 246-182.00r.
Marie, Gerard Joseph Marcel: *See—*
Donjon, Jacques; Hazan, Jean-Pierre; and Marie, Gerard Joseph Marcel, 3,792,259.
Marien, Kenneth J.: *See—*
Karch, Walter C.; Marien, Kenneth J.; and Mierendorf, Robert C., 3,835,425.
Marietta, Cesar, to Anciens Etablissments Leon Guilbert & Fils. Gas torches. 3,816,065, 6-11-74, Cl. 432-183.000.
Marietta, Charles W.: *See—*
Marietta, Michael T.; and Marietta, Charles W., 3,843,970.
Marietta, Martin, Corporation: *See—*
Wigner, William K.; and Sabin, Albert S., Jr., 3,851,251.
Marietta, Michael T.; and Marietta, Charles W. Protective headgear. 3,843,970, 10-29-74, Cl. 2-3.00r.
Marietta, Walter E., to Parker-Hannifin Corporation. Directional control valve. 3,838,570, 10-1-74, Cl. 60-405.000.
Mariich, Jovo S.: *See—*
Cole, William R.; Harrison, James W.; Kotula, Bruno S.; Mariich, Jovo S.; and Tahmisian, Theodore N., 3,799,029.
Marik, Charles J.; Shlachter, Bernard; and Slavik, William H., to Motorola, Inc. Automatic hue control and method. 3,800,073, 3-26-74, Cl. 178-5.4he.
Marik, Charles J., to Motorola, Inc. Channel indicator and display arrangement utilizing D-C tuning voltages of varactor tuner. 3,835,424, 9-10-74, Cl. 334-87.000.
Marik, Charles J.; Shlachter, Bernard; and Slavik, William H., to Motorola, Inc. Phase shifting network. 3,852,624, 12-3-74, Cl. 307-295.000.
Marin, Heiner: *See—*
Noack, Dieter; and Marin, Heiner, 3,824,361.
Marin, Heiner, to Siemens Aktiengesellschaft. Compressed-gas circuit breaker. 3,801,763, 4-2-74, Cl. 200-148.00r.
Marin, Heiner, to Siemens Aktiengesellschaft. Contact system for a high-voltage circuit breaker. 3,835,274, 9-10-74, Cl. 200-148.00r.
Marin, Heiner, to Siemens Aktiengesellschaft. Compressed-gas circuit breaker. 3,855,436, 12-17-74, Cl. 200-148.00r.
Marin, Semen Panteleevich: *See—*
Brusakov, Jury Ivanovich; Sirotkin, Nikolai Nikolaevich; Kiselev, Vasily Pavlovich; Ilinkov, Dmitry Vladimirovich; Pavlovichavdely, Mikhail; Marin, Semen Panteleevich; Shkarupa, Alexandr Ivanovich; Veisman, Boris Ottovich; Lebedev, Vladimir Nikolaevich; an Gavrilenko, Nikolai Pavlovich, 3,790,692.
Marinace, John C., to International Business Machines Corporation. Semiconductor devices and fabricating techniques. 3,802,969, 4-9-74, Cl. 148-187.000.
Marinace, John Carter, to International Business Machines Corporation. Durable see-through photoresist mask. 3,815,978, 6-11-74, Cl. 350-311.000.
Marine Colloids, Inc.: *See—*
Forget, Ronald D.; and Saravis, Calvin A., 3,855,846.
Moirano, Arthur L., 3,849,395.
Renn, Donald W.; and Forget, Ronald D., 3,837,960.
Marine Construction & Design Co.: *See—*
Tison, Kenneth F., 3,841,011.
Viljoen, Johan P., 3,791,625.
Wiggins, Gary K., 3,793,676.
Marine Construction & Design Co., mesne: *See—*
Bullock, Kenneth W., 3,816,877.
Marine Industries Incorporated: *See—*
Foster, Merrill J., 3,851,630.
Marinelli, Donald Paul; and Stockton, Thomas Edward, to RCA Corporation. Method of depositing epitaxial layers on a substrate from the liquid phase. 3,825,449, 7-23-74, Cl. 148-172.000.
Mariner, Ralph E. Stringed instrument with a sounding plate. 3,788,183, 1-29-74, Cl. 84-291.000.
Mariner, William H. Dispensing nozzle with selectable automatic cut-off. 3,799,397, 3-26-74, Cl. 222-21.000.
Maringer, Albert, to Siemens Aktiengesellschaft. Circuit for correcting the influence of velocity on an inductive position transducer. 3,816,781, 6-11-74, Cl. 310-68.00r.
Maringer, Albert, to Siemens Aktiengesellschaft. Measuring internal combustion motor cylinder compression. 3,823,606, 7-16-74, Cl. 73-115.000.
Maringer, Albert, to Siemens Aktiengesellschaft. Circuit for the suppression of interference pulses. 3,842,291, 10-15-74, Cl. 307-236.000.
Maringer, Robert E.: *See—*

Stewart, Oliver M.; Maringer, Robert E.; and Mobley, Carroll E., Jr., 3,812,901.

Maringer, Robert E.; and Mobley, Carroll E., to Battelle Development Corporation, The and Battelle Development Corporation. Formation of filaments directly from molten material. 3,838,185, 9-24-74, Cl. 264-8.000.

Marini, Manlio; Maritano, Oddino; and Foa, Franco, to Olivetti, Ing., C., & C., S.p.A. Method and apparatus for evaluating the lubricating characteristics of oils and greases. 3,798,958, 3-26-74, Cl. 73-10.000.

Marini, Roberto, to Societa Italiana Telecomunicazioni Siemens S.p.A. Stabilized power supply with transformer isolation. 3,818,306, 6-18-74, Cl. 321-2.000.

Marinkovich, Cedomir; and Bracken, James T.; deceased (by Bracken, Barbara A.; representative). Line printer with recirculating line store and line print memories. 3,796,156, 3-12-74, Cl. 101-93.00c.

Marino, Joseph J., to Pfizer Inc. Vertical remote-controlled refractor gunning apparatus. 3,799,445, 3-26-74, Cl. 239-242.000.

Marino, Louis L.: *See—*
Race, Andras, 3,847,633.

Marino, Nicholas A.: *See—*
Greenblatt, Irwin; and Marino, Nicholas A., 3,814,107.

Marino, Salvatore M.: *See—*
Osterkorn, Charles Louis; Buck, Leo V.; Kloos, William W.; and Marino, Salvatore M., 3,812,322.

MARINONI: *See—*
Gaillochet, Jean R., 3,837,451.
Gaillochet, Jean R., 3,853,409.

Mario, Pagani: *See—*
Alberto, Bocca; and Mario, Pagani, 3,851,743.

Marion, Andre F.; and Kaposhilin, George N., to Hewlett-Packard Company. Detector indicating availability and position of tape. 3,838,291, 9-24-74, Cl. 250-571.000.

Marion, Charles P., to Texaco Development Corporation. Synthesis gas production. 3,816,332, 6-11-74, Cl. 252-373.000.

Marion, Charles P.; and Reynolds, Blake, to Texaco Development Corporation. Apparatus and process for burning liquid hydrocarbons in a synthesis gas generator. 3,847,564, 11-12-74, Cl. 48-95.000.

Marion, Donald L.; Hanson, Lawrence R.; and Strand, Robert C., to Atlantic Richfield Company. Aqueous emulsion polish compositions. 3,786,012, 1-15-74, Cl. 260-28.500.

Marion, George J. Coextrusion apparatus for flat film. 3,797,987, 3-19-74, Cl. 425-463.000.

Marion, Gerard, to Automobiles M. Berliet. Lubricant circuit. 3,805,921, 4-23-74, Cl. 184-6.400.

Marion Health and Safety, Inc.: *See—*
Johnson, Theodore K.; and Sataloff, Joseph, 3,833,701.

Marion Power Shovel Company, Inc.: *See—*
Baron, George B., 3,856,161.

Mariotti, Donald J.: *See—*
Altenburger, Otto; Bansemir, Robert H.; Bergquist, George R.; Mariotti, Donald J.; and Neumeier, Gunter F., 3,854,013.

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Maritano, Oddino: *See—*
Marini, Manlio; Maritano, Oddino; and Foa, Franco, 3,798,958.

Marjoram, John E., to Dunlop Limited. Process and apparatus for the production of cylindrical blocks of synthetic plastic foam. 3,840,629, 10-8-74, Cl. 264-54.000.

Marjuschenko, Vilen Fedorovich: *See—*
Medovar, Boris Izrailevich; Alferov, Jury Fedorovich; Schupak, Grigory Bentsionovich; Lanevsky, Valery Evgenievich; Dykan, Vitaly Grigorievich; Berezovsky, Mikhail Elevich; Baglai, Vitaly Mikhailovich; Shuruev, Lev Andreevich; Emelyanenko, July Georgievich Khasin, Kim Moiseevich; Lugovsky, Vladimir Ivanovich; Salmin, Valery Vasilievich; Marjuschenko, Vilen Fedorovich; Shaburov, Fedor Fedorovich; Tamozhnikov, Georgy Vasilievich; Popov, Viktor Andreevich; and Semin-Vadov, Gennady Mikhailovich, 3,794,104.

Mark & Son, Ltd.: *See—*
Bucks, Robert M.; and Ayars, Frederick M., 3,792,445.

Mark, Andre. Pneumatic dryers. 3,789,513, 2-5-74, Cl. 34-10.000.

Mark, Arthur M.; and Mehltretter, Charles L., to United States of America, Agriculture. Process for making starch triadetates. 3,795,670, 3-5-74, Cl. 260-233.500.

Mark Controls Corporation: *See—*
Carlson, Donald E., 3,850,190.
Medina, Conrad R., 3,800,824.

Mark, Fritz: *See—*
Oesterle, Helmut; Mark, Fritz; and Jochum, Peter, 3,827,618.

Mark, Jay Anthony. Apparatus for removing nitrogen oxides from engine exhaust. 3,801,696, 4-2-74, Cl. 423-212.000.

Mark, John Thomas, to RCA Corporation. Means for ensuring starting of gas laser. 3,792,372, 2-12-74, Cl. 331-94.500.

Mark, Margaret F. Bookrack. 3,784,021, 1-8-74, Cl. 211-43.000.

Mark Products, Inc.: *See—*
Florian, Eugene F., 3,832,674.
Hazelhurst, Gerald D., 3,786,410.

Mark, Victor, to Monsanto Company. Substituted polyhalogenated cyclopentadienes. 3,799,994, 3-26-74, Cl. 260-648.00c.

Mark, Victor; and Zengierski, Leon R., to Hooker Chemical Corporation. Aralkylation of aromatic hydrocarbons. 3,821,320, 6-28-74, Cl. 260-649.00r.

Mark, Victor; and Zengierski, Leon, to Hooker Chemical Corporation. Perhalocoumalin derivatives. 3,824,268, 7-16-74, Cl. 260-455.00r.

Mark-Tex Corporation: *See—*
Andrews, Francis W.; Sussman, Philip S.; and Barlow, Sidney D., 3,819,285.
Sussman, Philip S.; and Andrews, Francis W., 3,804,539.

Markakis, Costas E.; and Vamvakoussis, George N. Fluidic clinometer control apparatus. 3,849,897, 11-26-74, Cl. 33-365.000.

Markakis, Michael J., to SCM Corporation. Incremental motion device. 3,819,024, 6-25-74, Cl. 197-1.00r.

Markarian, Mark, to Sprague Electric Company. Electronic component package. 3,795,844, 3-5-74, Cl. 317-230.000.

Markaris, Michael J.: *See—*
Vartanian, Perry H., Jr.; Markaris, Michael J.; and Anderson, Carl P., 3,788,441.

Markarov, Mikhail Nikolaevich: *See—*
Bashkov, Vladimir Alexeevich; Martynov, Oleg Viktorovich; Illkhonov, Sergie Sergeevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Markarov, Mikhail Nikolaevich; Belousov, Vladimir Alexeevich; Siinov, Anatoly Georgievich; and Gorlov,Semen Maximovich, 3,800,855.

Markawski, Stanley J., to United Aircraft Corporation. Annular combustion chamber for dissimilar fluids in swirling flow relationship. 3,811,277, 5-21-74, Cl. 60-39.650.

Markbreiter, Stephen J.: *See—*
Stork, Karl; Markbreiter, Stephen J.; and Kniel, Ludwig, 3,816,976.

Markbreiter, Stephen J.; and Weiss, Irving, to Synergistic Services Inc. Processing liquefied natural gas to deliver methane-enriched gas at high pressure. 3,837,172, 9-24-74, Cl. 62-24.000.

Marke, Paul Anthony Bryant: *See—*
Jenkinson, William David; and Marke, Paul Anthony Bryant, 3,786,408.

Markel, Richard F., to Superior Graphite Company. Apparatus for high-temperature treatment of petroleum coke. 3,807,961, 4-30-74, Cl. 23-277.00r.

Markelova, Nina Ivanovna: *See—*
Lishevskaya, Marina Osipovna; Virnik, Alexandr Davidovich; Gabrielian, Genrikh Aramaisovich; Rogovin, Zakhar Alexandrovich; Borbat, Vladimir Fedorovich; Orlov, Alexandr Mikhailovich; Ferberg, Mirriam Borisovna; and Markelova, Nina Ivanovna, 3,821,137.

Marker, Hannes: *See—*
Marker, Hannes; and Jungkind, Roland (said Jungkind assor. to said), 3,854,741.

Marker, Hannes. Individually selectively useable anti-glare goggle glasses. 3,782,810, 1-1-74, Cl. 351-47.000.

Marker, Hannes. Safety ski binding system. 3,785,668, 1-15-74, Cl. 280-11.35r.

Marker, Hannes; and Jungkind, Roland, said Jungkind assor. to said Marker, Hannes. Toe iron for safety ski bindings. 3,854,741, 12-17-74, Cl. 280-11.35t.

Marker, Robert L. Probe chance device having electrical signalling readout. 3,844,567, 10-29-74, Cl. 273-134.00a.

Markert, Juergen: *See—*
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Markevich, Vitaly Mikhailovich: *See—*
Rogalsky, Anatoly Viktorovich; Markevich, Vitaly Mikhailovich; Kheifets, Georgy Naumovich; Zaichenko, Jury Leonidovich; Baburov, Valery Efremovich; Pavlovsky, Vladimir Petrovich; Golban, Eduard Vasilievich; Pechennik, Leonid Naumovich; Knyazhinsky, Zakhar sipovich; Bogatov, Nikolai Alexandrovich; Raichuk, Jury Isaakovich; Zaritsky, Vaktor Nikolaevich; and Grodzitsky, Evgeny Fedorovich, 3,812,909.

Markewitz, Wolfgang; and Mischke, Fritz, to Fa. Hunnebeck GmbH. Apparatus to facilitate the extraction of a room form. 3,788,494, 1-29-74, Cl. 214-1.00h.

Markey, Francis J., to General Motors Corporation. Pedal travel measuring tool. 3,788,131, 1-29-74, Cl. 73-132.000.

Markfelder, Gunter: *See—*
Korrenn, Heinz; and Markfelder, Gunter, 3,796,510.

Markfelt, Reinhold S., to Universal Oil Products Company. Mixing apparatus. 3,819,157, 6-25-74, Cl. 259-4.000.

Markfort, Dieter: *See—*
Buscher, Enno; Eils, Friedrich; Jansing, Walter; Kirchner, George; and Markfort, Dieter, 3,853,504.

Markham, Harold A.: *See—*
Cogley, James J.; and Markham, Harold A., 3,838,794.

Markham, Michael H., to Chubb Industries, Limited. Safe deposit apparatus. 3,784,090, 1-8-74, Cl. 232-44.000.

Markham, Michael H., to Chubb Industries Limited. Jail locking mechanism. 3,830,017, 8-20-74, Cl. 49-18.000.

Markham, Orvil A. Routing guide. 3,827,468, 8-6-74, Cl. 144-136.00r.

Markham, Richard L.: *See—*
Vogelfanger, Elliot A.; and Markham, Richard L., 3,787,551.

Markhart, Albert H.: *See—*
Young, Raymond H., Jr.; Markhart, Albert H.; and Martins, Joseph G., 3,817,924.

Markhart, Albert H.; and Santer, James O., to Monsanto Company. Electroconductive resins and process of preparation. 3,825,511, 7-23-74, Cl. 260-87.50r.

Markiewicz, Jan; and Yoli, Alfred H., to Transfer Systems Incorporated. Automatic stud tensioner. 3,844,533, 10-29-74, Cl. 254-29.00a.

Markind, Joseph: *See—*
Stana, Regis R.; and Markind, Joseph, 3,827,976.

Markisz, John A.: *See—*
Seewagen, George L.; and Markisz, John A., 3,820,836.

Markland Specialty Engineering, Ltd.: *See—*
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Markle, Richard A.: *See—*
Dunnavant, William R.; Harris, Edward M.; Kurz, Philip F.; Markle, Richard A.; and Parker, Edward H., 3,799,915.

Markley, Finley W., to United States of America, Atomic Energy Commission. Folded membrane dialyzer. 3,788,482, 1-29-74, Cl. 210-321.000.

Markley, Jerry M., to Sackner Products, Inc. Decorative panel with finished edges. 3,856,611, 12-24-74, Cl. 161-43.000.

Markley, Theodore J., to Allen-Bradley Company. Programmable magnetics for a numerical control system. 3,810,104, 5-7-74, Cl. 340-172.500.

Marko, Albert J., to Bendix Corporation, The. Arrangement for supporting a symbol in an illuminated instrument. 3,853,088, 12-10-74, Cl. 116-129.00r.

Marko, Hans, to Krone GmbH. Method of and means for holographically recording and reproducing information. 3,848,096, 11-12-74, Cl. 179-100.30g.

Marko, Ortho S. Portable cargo bulkhead. 3,850,332, 11-26-74, Cl. 220-22.000.

Markova, Viktoria Vladimirovna: *See—*
Jufa, Tatyana Lvovna; Poletaeva, Irina Alexandrovna; Kormer, Vitaly Abramovich; Babitsky, Boris Davydovich; Lobach, Mark Iosifovich; Markova, Viktoria Vladimirovna; and Churlyaeva, Lidia Alexandrovna, 3,821,181.

Markovitz, Mark, to General Electric Company. Hardenable composition consisting of an epoxy resin and a metal acetylacetonate. 3,812,214, 5-21-74, Cl. 260-830.0tw.

Markovsky, Grigory Fedorovich: *See—*
Sinichenko, Anatoly Afanasievich; Romanenko, Anatoly Mikhailovich; Sukhov, Evgeny Alexeevich; and Markovsky, Grigory Fedorovich, 3,824,760.

Markow, Elliott W.: *See—*
Dziki, Michael M.; Schultz, George; and Markow, Elliott W., 3,846,702.

Markowitz, Isral J., to Stem Development Corporation. Collapsible dispensing container. 3,833,154, 9-3-74, Cl. 222-212.000.

Markowitz, Ivan N.; and Gray, Darby A., to Honeywell Information Systems, Inc. Solenoid actuator. 3,784,943, 1-8-74, Cl. 335-266.000.

Markowitz, Seymour, to Lockheed Electronics Company, Inc. MOSFET memory cell. 3,789,371, 1-29-74, Cl. 340-174.00r.

Markowski, Stanley J., to United Aircraft Corporation. Annular combustion chamber for dissimilar fluids in swirling flow relationship. 3,788,065, 1-29-74, Cl. 60-39.020.

Markowski, Stanley J., to United Aircraft Corporation. Combustion chamber for dissimilar fluids in swirling flow relationship. 3,792,582, 2-19-74, Cl. 60-39.720.

Marks, Alfred F., to Esso Research and Engineering Company. Metal complexes of dithiobiurets. 3,799,960, 3-26-74, Cl. 260-429.00r.

Marks, Alvin M. Electrostatic generator with charging and collecting arrays. 3,792,293, 2-12-74, Cl. 310-5.000.

Marks, Alvin M. Electro-optical dipolar material. 3,813,265, 5-28-74, Cl. 117-211.000.

Marks, Alvin M.; and Marks, Mortimer M. Apparatus for coating television viewing tubes. 3,824,955, 7-23-74, Cl. 118-500.000.

Marks, Alvin M. Dipolar electro-optic structures and method. 3,841,732, 10-15-74, Cl. 350-160.00r.

Marks, Alvin M. Method of producing hard transparent sheet-like material or coating. 3,846,161, 11-5-74, Cl. 117-93.000.

Marks, Alvin M. Forced closure dipolar electro-optic shutter and method. 3,848,964, 11-19-74, Cl. 350-160.00r.

Marks, Austin Cedric; and Harvey, Grahame John, to Lysaght, John, (Australia) Limited. Lead-zine wet-flux galvanizing process. 3,808,029, 4-30-74, Cl. 117-52.000.

Marks Brothers Productions, Inc.: *See—*
Marks, Hillard W.; and Molis, John P., 3,800,230.

Marks, Harlen L.; and Ritter, Norman C., to Minnesota Mining and Manufacturing Company. Cushion flange reel. 3,819,124, 6-25-74, Cl. 242-71.800.

Marks, Helmuth, 1/2 to Fischer, Wilhelm. Method and apparatus for sealing pipe sections. 3,821,340, 6-28-74, Cl. 264-45.000.

Marks, Hillard W.; and Molis, John P., to Marks Brothers Productions, Inc. Digital programmer for receivers. 3,800,230, 3-26-74, Cl. 325-396.000.

Marks III, Inc.: *See—*
Ransford, Herbert E., III, 3,783,434.

Marks, John L., to International Telephone and Telegraph Corporation. Wire cutting apparatus. 3,783,726, 1-8-74, Cl. 83-355.000.

Marks, Louis W., to General Electric Company. Combined power and instrument potential transformer. 3,848,178, 11-12-74, Cl. 323-6.000.

Marks, Mortimer: *See—*
Kent, Arthur P.; and Marks, Mortimer, 3,851,955.

Marks, Mortimer M.: *See—*
Marks, Alvin M.; and Marks, Mortimer M., 3,824,955.

Marks Polarized Corporation: *See—*
Kent, Arthur P.; and Marks, Mortimer, 3,851,955.

Marks, Robert E., to Envirotech Corporation, mesne. Terpene recovery process including control of a digester relief outlet. 3,817,824, 6-18-74, Cl. 162-61.000.

Marks, Robert Elliott, to Envirotech Corporation. Recovery of terpenes. 3,816,239, 6-11-74, Cl. 162-15.000.

Marks, Robert G. Pull-apart safety switch with magnetic means for machines. 3,801,767, 4-2-74, Cl. 200-161.000.

Marks, Robert G.; and Beaupre, Robert E., said Marks assor. to said Beaupre, Robert E. Two wheeled roller skate. 3,837,662, 9-24-74, Cl. 280-11.230.

Marks, Walter J., to Anchor Cap & Closure Corporation of Canada Limited. Safety closure and package. 3,794,200, 2-26-74, Cl. 215-9.000.

Marks, Walter J., to Anchor Cap & Closure Corporation of Canada, Limited. Linerless closure cap. 3,815,771, 6-11-74, Cl. 215-344.000.

Marks, William J. Fishing line. 3,785,011, 1-15-74, Cl. 24-115.00h.

Marks, William S., to Baldwin Electronics, Inc. Photoelectric opacity measuring system. 3,838,925, 10-1-74, Cl. 356-207.000.

Markson, David E., to Package Exhibit Programs, Inc. Portable display apparatus. 3,817,396, 6-18-74, Cl. 211-178.00r.

Markstone Manufacturing Company: *See—*
Lund, Alvin R.; and Kaufman, Jack, 3,783,176.

Markus, Dusan K. Angle digital converter system. 3,827,045, 7-30-74, Cl. 340-347.0ad.

Markus, Harold: *See—*
Waldman, Jeffrey; Sulinski, Harry V.; and Markus, Harold, 3,847,681.

Markus, Jan Jacob. Device for opening or closing a sliding door displaceable along. 3,802,126, 4-9-74, Cl. 49-360.000.

Markus, Joseph: *See—*
Rowe, James H.; and Markus, Joseph, 3,834,113.

Markus, Richard B.; trustee: *See—*
Danforth, Leon J., 3,785,319.

Markwitz, Wernhard: *See—*
Ollinger, Max; Markwitz, Wernhard; Niethammer, Dieter; and Kvale, Oddvar, 3,798,549.

Markworth, Manfred; Lynker, Friedrich Wilhelm; and Rosenkranz, Wilhelm; deceased (by Rosenkranz, Barbara; legal representative), to Fuchs, Otto, Meinerzhagen, Firma. Method of using a highly stable aluminum alloy in the production of recrystallization hardned products. 3,794,531, 2-26-74, Cl. 148-159.000.

Marlar, James Russ. Arrangement for producing openings in sheet metal beams for attaching fixtures or the like. 3,815,235, 6-11-74, Cl. 30-363.000.

Marlboro Manufacturing, Inc.: *See—*
Cain, James P., 3,781,943.

Marleau, Gilles E. Collapsible, triangular net assembly. 3,815,272, 6-11-74, Cl. 43-12.000.

Marlen Manufacturing and Development Co.: *See—*
Fenton, Leonard, 3,825,005.

Marlen Research Corporation: *See—*
Long, Marshall; Alley, Lewis F.; and Miller, Jack M., 3,799,013.
Long, Marshall; Alley, Lewis F.; and Reynolds, William A., 3,837,249.

Marlett, Everett M.; and Sanders, Robert N., to Ethyl Corporation. High energy beryllium rocket fuel compositions and processes therefor. 3,783,054, 1-1-74, Cl. 149-109.000.

Marley, Arley C., III: *See—*
Boone, Jimmie H.; Chenkovich, Gary A.; Corcoran, Brian F.; Marley, Arley C., III; and Simpson, Robert D., 3,843,077.

Marley, Brian George, to Research Laboratories of Australia Pty. Limited. Method for electrophotographic exposure. 3,809,555, 5-7-74, Cl. 96-1.00r.

Marley Company, The: *See—*
Cates, Robert E., 3,782,451.
Cates, Robert E.; and Mitchell, Robert M., 3,794,304.
Cates, Robert E.; and Mitchell, Robert M., 3,802,675.
Cates, Robert L.; Mitchell, Robert M.; and Houx, James R., 3,782,453.
Fordyce, Homer E.; and Fritz, Gerald D., 3,834,681.

Marley, James A.: *See—*
Perloff, David S.; Kerr, John T.; and Marley, James A., 3,829,890.

Marley, James A., Jr.: *See—*

Polata, Bohumil; Marley, James A., Jr.; and Kerr, John T., 3,855,007.

Marley, Thomas: *See—*
Smith, Geoffrey; and Marley, Thomas, 3,842,103.

Marlin, Lawrence; and Schwarz, Eric George, to Union Carbide Corporation. Process for providing a backing on carpets. 3,849,156, 11-19-74, Cl. 117-10.000.

Marlo Company, Inc., The: *See—*
Zumeta, Julio; and Case, Edward M., 3,791,658.

Marlo, John A.: *See—*
Schaffer, James L., 3,837,328.

Marlow, Jerry R.: *See—*
Bailey, Keith A.; and Marlow, Jerry R., 3,789,963.

Marlow, Jerry R., to General Motors Corporation. Hydromechanical transmission and control. 3,842,694, 10-22-74, Cl. 74-867.000.

Marlowe, Mickey O.: *See—*
Hill, Howard W.; Kaznoff, Alexis I.; and Marlowe, Mickey O., 3,803,273.
Packard, Douglas R.; and Marlowe, Mickey O., 3,808,145.

Marmonier, Pierre: *See—*
Culambourg, Jacques; Marmonier, Pierre; Naudet, Robert; and Sauvage, Michel, 3,802,962.

Marmor, Leonard, to Richards Manufacturing Company. Knee prosthesis. 3,852,830, 12-10-74, Cl. 3-1.000.

Marner, Alfred William: *See—*
Nelson, Edward Crowell; and Marner, Alfred William, 3,802,874.

Marnerakis, Costas S. Current monitoring system and method. 3,786,501, 1-15-74, Cl. 340-409.000.

Marnett, Paul J. Automated dog kennel. 3,791,348, 2-12-74, Cl. 119-19.000.

Marnoch, Robert Haldane. Scaffolding. 3,791,486, 2-12-74, Cl. 182-132.000.

Marocco, Sergio: *See—*
Sapper, Richard; and Marocco, Sergio, 3,823,969.

Marola, Americo E.; and Gehrke, Gerard W., to Torrington Company, The. Unidirectional clutch. 3,820,640, 6-28-74, Cl. 192-45.000.

Maron, Edmund, to Aktiengesellschaft Adolph Saurer. Valve for heating systems. 3,818,941, 6-25-74, Cl. 137-625.400.

Maronde, Herbert; and Schmidt, Hans Dietrich, to Robot Foto und Electronic GmbH & Co. KG. Device for the automatic stop setting of photographic cameras. 3,816,841, 6-11-74, Cl. 354-42.000.

Marondel, Gunther: *See—*
Bendler, Hellmut; Gawlick, Heinz; and Marondel, Gunther, 3,817,263.
Bendler, Hellmut; and Marondel, Gunther, 3,845,836.

Maroney, William J., to Sybron Corporation. Apparatus for fluid treatment. 3,812,969, 5-28-74, Cl. 210-274.000.

Maropis, Nicholas, to United States of America, Atomic Energy Commission. Apparatus and method for delivering vibratory energy. 3,807,257, 4-30-74, Cl. 82-1.00c.

Maroschak, Ernest J., to Plastic Tubing Inc. Converted corrugated pipe molding machine. 3,784,346, 1-8-74, Cl. 425-326.00b.

Maroschak, Ernest J., to Plastic Tubing, Inc. Lightweight high compressive strength drainage pipe. 3,789,615, 2-5-74, Cl. 61-11.000.

Maroschak, Ernest J. Mold blocks for forming coupler collar integral with pipe. 3,792,941, 2-19-74, Cl. 425-326.000.

Maroschak, Ernest J., to Plastic Tubing, Inc. Apparatus and method for positively feeding corrugated pipe. 3,799,418, 3-26-74, Cl. 226-6.000.

Maroschak, Ernest J., to Plastic tubing, Inc. Corrugated drainage pipe. 3,802,202, 4-9-74, Cl. 61-11.000.

Maroschak, Ernest J., to Plastic Tubing, Inc. Method of making and processing corrugated plastic pipe. 3,819,778, 6-25-74, Cl. 264-40.000.

Maroschak, Ernest J. Fitting for corrugated plastic pipe. 3,825,288, 7-23-74, Cl. 285-156.000.

Maroschak, Ernest J. Corrugated plastic drainage pipe with interrupted rib. 3,832,855, 9-3-74, Cl. 61-10.000.

Maroschak, Ernest J., to Plastic Tubing, Inc. Method for making and slitting plastic corrugated tubes. 3,843,758, 10-22-74, Cl. 264-40.000.

Maroschak, Ernest J. Apparatus and method for fabricating corrugated plastic tubing. 3,854,527, 12-17-74, Cl. 165-120.000.

Marosi, Michael N., to Convertex, Ltd. Aluminum element having integral sepia surface and method therefor. 3,849,207, 11-19-74, Cl. 148-6.270.

Marosi, Michael N., to Convertex, Ltd. White, opaque conversion coating on aluminum. 3,849,208, 11-19-74, Cl. 148-6.270.

Marosvolgyi, Sandor: *See—*
Gorog, Katalin, nee Privitizer; Bruckner, Gyorgyi; Farkas, Kalman; Grega, Erzsebet; Marosvolgyi, Sandor; Pinter, Zoltan; and Szilagyi, Gyula, 3,794,641.

Maroth, Arthur M. Hypodermic syringe holder and applicator. 3,811,442, 5-21-74, Cl. 128-218.00r.

Marothy, Rudolf. Structure for storage of liquified gas. 3,852,973, 12-10-74, Cl. 62-45.000.

Marotta, Ralph, to Monsanto Company. Process of preparing silica xerogels. 3,846,537, 11-5-74, Cl. 423-338.000.

Marotta Scientific Controls, Inc.: *See—*
deVersterre, William I.; and Worden, Donald A., 3,818,284.

Marotto, Alan P., to Automec, Inc. Numerical control system for press brakes and the like. 3,826,119, 7-30-74, Cl. 72-36.000.

Marouby, Guy, to Societe Anonyme D.B.A. Voltage converter applying an antiskid logic element. 3,782,784, 1-1-74, Cl. 303-21.00r.

Marouby, Guy, to Societe Anonyme D.B.A. Electronic braking system. 3,795,425, 3-5-74, Cl. 303-21.0be.

Marouby, Guy, to Societe Anonyme D.B.A. Electronic antiskid braking system. 3,819,237, 6-25-74, Cl. 303-21.0be.

Marouby, Guy, to Societe Anonyme D.B.A. Anti-slip or adaptive braking system. 3,832,011, 8-27-74, Cl. 303-21.00p.

Maroudas, Nicholas George: *See—*
House, William Cullingford; and Maroudas, Nicholas George, 3,853,712.

Marouka, Yasuro: *See—*
Sawada, Yuji; Takemoto, Katsumi; Marouka, Yasuro; and Kuroiwa, Masayuki, 3,817,406.

Marous, George R.: *See—*
Goebel, Robert W.; and Marous, George R., 3,848,145.

Marozzi, Alfred A.; and Fuzia, Joseph, said Fuzia assor. to Bell-Mark Corporation. Ink cartridge with sealing means for reciprocal printing heads. 3,797,390, 3-19-74, Cl. 101-333.000.

Marozzi, Alfred A.; and Fuzia, Joseph, said Fuzia assor. to Bell-Mark Corporation. Yieldably mounted sealable ink cartridge and print head. 3,804,016, 4-16-74, Cl. 101-333.000.

Marpal Aktiengesellschaft: *See—*
Degen, Felix, 3,849,810.

Marplex Products Company, Inc.: *See—*
Sweet, Harold J.; Papworth, Robert L.; and Grimm, John G., Jr., 3,815,738.

Marquard, Harold J. Baby bottle holder. 3,850,393, 11-26-74, Cl. 248-102.000.

Marquarding, Dieter: *See—*
Hoffmann, Peter; Marquarding, Dieter; Ugi, Var; Arlt, Dieter; and Hagemann, Hermann, 3,794,674.

Marquardt, Bernd: *See—*
Schober, Helmut; and Marquardt, Bernd, 3,825,765.

Marquardt, Bruno; and Bosse, Frank, to Windmoller & Holscher. Carrier bag. 3,837,564, 9-24-74, Cl. 229-54.00r.

Marquardt, Friedbert, to Daimler-Benz Aktiengesellschaft. Brake valve for a hydraulic brake installation. 3,789,611, 2-5-74, Cl. 60-566.000.

Marquardt, James F.; and Orlando, Vincent A., to General Motors Corporation. Sensor switch for occupant restraint system with spring fracture detection means. 3,832,507, 8-27-74, Cl. 200-61.45r.

Marquart, Alfred: *See—*
Weirich, Walter; Grommas, Werner; Behrens, Volker; and Marquart, Alfred, 3,821,880.

Marquette Electronics, Inc.: *See—*
Richetts, James R., 3,783,865.

Marquette Metal Products Company, The: *See—*
Lowery, Robert D., 3,844,390.

Marquette, Ronald O. Brush cleaning device. 3,805,318, 4-23-74, Cl. 15-311.000.

Marquette Tool and Die Company: *See—*
Freber, Elmer C., 3,799,283.

Marquez, Fidencio G. Accessory water heater for a gas-fired water heater. 3,793,992, 2-26-74, Cl. 122-20.00b.

Marquez, Joseph A.: *See—*
Weinstein, Marvin J.; Luedemann, George M.; Wagman, Gerald H.; and Marquez, Joseph A., 3,819,611.

Marquis, Byron; and Somerville, Robert, to Singmaster & Breyer. Manufacture of phosphoric acid. 3,835,215, 9-10-74, Cl. 423-167.000.

Marquis, David M., to Chevron Research Company. Maleic anhydride recovery method. 3,818,680, 6-25-74, Cl. 55-48.000.

Marquis, Edgar E., to Robertshaw Controls Company. Cycle timer means for ovens. 3,801,754, 4-2-74, Cl. 200-38.0fa.

Marquis, Edgar E., to Robertshaw Controls Company. Electric pendulum clock and parts therefor or the like. 3,802,181, 4-9-74, Cl. 58-29.000.

Marquis, Edward Thomas: *See—*
Schulze, Heinz; and Marquis, Edward Thomas, 3,842,081.

Marquis, Norman R.; and Vigdahl, Roger L., to Mead Johnson & Company. Antithrombogenic process employing substituted 6,7-dialkoxyquinazolines. 3,800,039, 3-26-74, Cl. 424-251.000.

Marquis, Thomas: *See—*
Schulze, Heinz; and Marquis, Thomas, 3,833,650.

Marr, Harry Sidney; and Chester, Arnold, to British Iron and Steel Research Association, The. Molten metal pouring valve having valve actuator extending through inclined channel. 3,847,312, 11-12-74, Cl. 222-501.000.

Marr, Peter A.: *See—*
Bailey, Joseph; Knott, Edward B.; and Marr, Peter A., 3,810,761.

Marra, Frank: *See—*
Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., 3,783,151.

Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., 3,825,479.

Carlick, Daniel J.; Marra, Frank; and Sprenger, Gerhard E., 3,840,369.

Marra, Theodore F., to Goodyear Tire & Rubber Company, The. Tire building drum. 3,837,968, 9-24-74, Cl. 156-415.000.

Marraccini, Franco, to Olivetti, Ing., C., & C., S.p.A. Office chair. 3,837,705, 9-24-74, Cl. 297-353.000.

Marrel, Bennes: *See—*
Caradot, Patrice, 3,805,928.

Marrero, Michael T., to United States of America, Navy. Tone burst to frequency converter. 3,789,305, 1-29-74, Cl. 328-140.000.

Marrese, Rocco Anthony; and Sullivan, William T. O. Anesthesia apparatus having negative pressure relief means. 3,800,793, 4-2-74, Cl. 128-188.000.

Marrett, Rolf: *See—*
Franck, Heinz-Gerhard; Metzendorf, Walter; Schweym, Erich; Beneke, Herbert; Marrett, Rolf; Nijssen, Jozef; and Omran, Jaafar, 3,784,487.

Marrian, Stanley Frederic: *See—*
Gasson, Edward James; Marrian, Stanley Frederic; and Krosnar, Thomas Charles, 3,847,965.

Marrie, Paul, to S.A.R.L. Etud. Food-comminution device. 3,809,325, 5-7-74, Cl. 241-278.00r.

Marrie, Paul, to Societe Etud. Automatic can opener with can disengagement through motor reversal. 3,815,226, 6-11-74, Cl. 30-4.00r.

Marrie, Paul, to Societe Anonyme dite "ETUD". Electric coffee mill. 3,827,640, 8-6-74, Cl. 241-100.000.

Marrie, Paul, to S.A.R.L. Etud. Pancake making machine. 3,853,045, 12-10-74, Cl. 99-423.000.

Marrie, Paul A., to Societe Etud Zone Industrielle. Automatic citrus fruit squeezing device. 3,807,297, 4-30-74, Cl. 100-116.000.

Marriner, Cohn E. Flexible connection for articulating vessels. 3,799,100, 3-26-74, Cl. 114-235.00a.

Marriner, John E. Flexible connection for articulating vessels. 3,818,854, 6-25-74, Cl. 114-235.00r.

Marriner, John E. Flexible connection for articulating vessels. 3,822,667, 7-9-74, Cl. 114-235.00r.

Marriott, Roger; and Estabrook, Mark R., to Barnes Drill Company. Magnetic separator with improved squeegee roller. 3,804,256, 4-16-74, Cl. 210-222.000.

Marritt, Clifford R.: *See—*
Labbe, Francis A. M.; Preston, Edward G.; Hodsall, Brian; and Marritt, Clifford R., 3,813,996.

Marron, Henry B., to Jerrold Electronics Corporation. Duplex cable communications network employing automatic gain control utilizing a band limited noise AGC pilot. 3,835,393, 9-10-74, Cl. 325-308.000.

Marrs, Oren L.: *See—*
Campbell, Robert W.; and Marrs, Oren L., 3,821,072.
Jones, Faber B.; and Marrs, Oren L., 3,817,936.

Marrs, Oren L.; and Doss, Richard C., to Phillips Petroleum Company. Molding compositions based on a radial homopolymer of a conjugated diene. 3,840,493, 10-8-74, Cl. 260-42.180.

Mars, Incorporated, mesne: *See—*
Fougere, Guy L., 3,792,766.

Mars, James E.: *See—*
Poole, Donald R.; Stang, Peter L.; and Mars, James E., 3,785,674.
Poole, Donald R.; Stang, Peter L.; Mars, James E.; and Williams, Duane A., 3,797,854.

Mars Limited: *See—*
Day, Robert H.; and Blyth, James, 3,850,361.

Mars Mineral Corporation, mesne: *See—*
Harbison, Charles R., 3,802,822.

Marsalek, Milan; Junek, Jan; Brynda, Vaclav; Burysek, Frantisek; Hortlik, Frantisek; Ripka, Josef; and Lanta, Jiri, to Vyzkumny Ustav Bavlnarsky. Ringless spinning of separated staple fibres. 3,812,667, 5-28-74, Cl. 57-58.890.

Marsalka, Joseph P.; and Spademan, Charles F., to MI², Inc., mesne. Magnetic tape data system. 3,833,892, 9-3-74, Cl. 340-172.500.

Marsan, Arthur E. Starch type gel seals for ostomy patients. 3,799,166, 3-26-74, Cl. 128-283.000.

Marsan, Arthur E. Disposable ostomy pouch with variable means. 3,827,435, 8-6-74, Cl. 128-283.000.

Marsan, Arthur E. Disposable irrigator drain with stoma cone for ostomy patients. 3,830,235, 8-20-74, Cl. 128-227.000.

Marsan, Arthur Edward. Hermetically sealed sealing means and appliance for ostomy conditions. 3,805,789, 4-23-74, Cl. 128-283.000.

Marsan Manufacturing Co., Inc.: *See—*
Barrett, Donald Dean; Whalen, Kenneth R.; Nichols, Charles; Knapp, Robert G.; Wickum, Jay A.; and Moust, Daniel A., 3,789,846.

Marsberg, Stanley G., to Servomat Fast Foods (Proprietary) Limited. Vending machines. 3,844,447, 10-29-74, Cl. 222-129.400.

Marsch, James E.; and Heopfl, Joseph R., to Allis-Chalmers Corporation. Retainer for planet pinion shaft. 3,821,908, 7-2-74, Cl. 74-801.000.

Marsch, Lawrence F.: *See—*
Higgs, Kenneth O.; Richmond, Robert C.; and Marsch, Lawrence F., 3,812,706.

Marschak, Howard J. Means for preventing unauthorized removal of a power tool or the like from a display board. 3,836,105, 9-17-74, Cl. 248-223.000.

Marschall, Karl. Apparatus for treating and purifying sewage, particularly sewage contaminated with detergents. 3,822,786, 7-9-74, Cl. 210-108.000.

Marsciano, Matthew F.: *See—*
Hague, Robert Z.; Hantman, Edwin F.; Laucks, Howard H.; Loos, George J.; Marsciano, Matthew F.; and Mastropole, Alfred J., 3,844,028.

Marsden, Frank Charles; Maden, John; and Flanagan, Paul Frederick. Glyceride oil refining processes. 3,856,834, 12-24-74, Cl. 260-425.000.

Marsden, Howard A.: *See—*
Hufeld, John L.; Larson, Donald J.; Marsden, Howard A.; Mueller, James P.; and Norick, William B., 3,800,670.

Marsden, Ralph John Basil: *See—*
Coates, Ronald Bell; Marsden, Ralph John Basil; Smith, Frederick Arthur; and Towle, Gerald, 3,830,617.

Marse, Allan V.: *See—*
Metcalfe, Joseph E., III; Rightmire, Robert A.; and Marse, Allan V., 3,811,947.

Marsee, Frederick J.: *See—*
Hirschler, Daniel A., Jr.; and Marsee, Frederick J., 3,783,841.
Hirschler, Daniel A., Jr.; and Marsee, Frederick J., 3,807,377.

Marsee, Frederick J., to Ethyl Corporation. Carburetor. 3,785,624, 1-15-74, Cl. 261-23.00a.

Marsee, Frederick J., to Ethyl Corporation. Exhaust recirculation control. 3,807,374, 4-30-74, Cl. 123-119.00a.

Marsello, Bernard D.; and Matthews, Lindsey T., to Monsanto Company. Electromagnetically resettable defect detecting sensor means for deactivating mechanically operable sensor switch. 3,821,499, 6-28-74, Cl. 200-61.130.

Marsh, Albert F. Automatic egg incubator. 3,783,832, 1-8-74, Cl. 119-37.000.

Marsh, Anthony, to Plessey Handel und Investments A.G. Circular magnetic domain devices. 3,836,897, 9-17-74, Cl. 340-174.0tf.

Marsh, Barry John: *See—*
Lloyd, Brian Edwin; and Marsh, Barry John, 3,809,518.

Marsh, Barry T., to Dresser Industries, Inc. Leak detection apparatus. 3,788,127, 1-29-74, Cl. 73-40.000.

Marsh, Charles Richard, to Auto-Masters Limited. Apparatus having one or more rotatably driven components. 3,826,306, 7-30-74, Cl. 165-47.000.

Marsh, David R., to Singer Company, The. Synchroscope training device. 3,805,414, 4-23-74, Cl. 35-19.00a.

Marsh, Donald B.: *See—*
Auer, John H., Jr.; Marsh, Donald B.; and Sibley, Henry C., 3,794,834.
Auer, John H., Jr.; Marsh, Donald B.; and DiPaola, John J., 3,819,932.

Marsh, Douglas George; and Maxfield, Thomas Gerald, to Bell Telephone Laboratories, Incorporated. Balanced output operational amplifier. 3,786,362, 1-15-74, Cl. 330-30.00d.

Marsh, Frank Dennis, to Du Pont de Nemours, E. I., and Company. N-Acyl-N-hydrocarbylureas and their preparation by oxidative hydrolysis of N-cyanocarbimines. 3,845,086, 10-29-74, Cl. 260-404.500.

Marsh, Frank Dennis, to Du Pont de Nemours, E. I., and Company. N-cyanoimines and N-cyanoaziridines. 3,849,465, 11-19-74, Cl. 260-453.00r.

Marsh, Gale D.: *See—*
Link, Joseph J., Jr.; and Marsh, Gale D., 3,816,103.

Marsh, Glenn A., to Union Oil Company of California. Method for measuring long cell corrosion rates. 3,840,439, 10-8-74, Cl. 204-1.00t.

Marsh, J. L., Incorporated: *See—*
Holkestad, Howard P., 3,828,922.

Marsh, James Courtland, Jr., to RCA Corporation. Independent electron gun bias control. 3,812,397, 5-21-74, Cl. 315-31.0tv.

Marsh, James Courtland, Jr., to RCA Corporation. Programming system for a motor-driven television receiver tuning apparatus. 3,855,535, 12-17-74, Cl. 325-471.000.

Marsh, John: *See—*
Gamble, Peter Charles David; and Marsh, John, 3,817,313.

Marsh, Norman F.; Morand, Gary W.; and Sokol, David G., to Sangamo Electric Company. Load survey recorder for measuring electrical parameters. 3,829,772, 8-13-74, Cl. 324-113.000.

Marsh, Paul G., to Black Clawson Fibreclaim, Inc., mesne. Recovery of salvageable components from waste material. 3,788,568, 1-29-74, Cl. 241-69.000.

Marsh, Paul G., to Black Clawson Fibreclaim, Inc., mesne. Fuel by-products of municipal refuse. 3,830,636, 8-20-74, Cl. 44-1.00d.

Marsh, Paul G.; and Chupka, David E., to Black Clawson Fibreclaim Inc. Separation of greasy liquids and recovery of paper fiber from municipal refuse. 3,849,245, 11-19-74, Cl. 162-4.000.

Marsh, Richard L.; and Semin, Roy E., to Goodyear Tire & Rubber Company, The. Belt and connecting means therefor. 3,831,358, 8-27-74, Cl. 56-291.000.
Marsh, Richard O., Jr. Pipe coupling. 3,804,439, 4-16-74, Cl. 285-113.000.
Marsh, Robert E.: *See—*
Brane, Earl P.; Brane, Douglas K.; Marsh, Robert E.; and Hammond, Holton H., 3,797,523.
Marsh, Robert L. Protective jacket and base for pressure vessel. 3,788,511, 1-29-74, Cl. 220-9.00r.
Marsh, Ronald W.: *See—*
Nagy, Ernest J.; Shaver, William R.; and Marsh, Ronald W., 3,797,411.
Marsh, Ronald W.; and Knippel, Willis H., to Pullman Incorporated. Cushioned underframe for railway cars. 3,802,576, 4-9-74, Cl. 213-8.000.
Marsh, Samuel W., III: *See—*
Cochran, Ronald; Federle, August J.; and Marsh, Samuel W., III, 3,823,822.
Marsh Stencil Machine Company: *See—*
Rabelow, Harold H., 3,786,748.
Rabelow, Harold H., 3,788,217.
Robelow, Harold H., 3,799,053.
Marsh, Virgil H.: *See—*
Smith, Robert Sherwood, 3,822,341.
Marsh, Walter G.; and Rhoades, James J., to Tapco Products Company, Inc. Sheet metal brake. 3,817,075, 6-18-74, Cl. 72-319.000.
Marsh, White: *See—*
Gregory, John G.; Marsh, White; and Trepp, Robert M., 3,846,762.
Marshal and Williams Company: *See—*
Toy, Paul Charles, Jr., 3,844,502.
Marshall, Albert H.; and Siragusa, George A., to United States of America, Navy. Laser rifle simulator system. 3,792,535, 2-19-74, Cl. 35-25.000.
Marshall, Albert H.; and Siragusa, George A., to United States of America, Navy. Programmable laser marksmanship trainer. 3,811,204, 5-21-74, Cl. 35-25.000.
Marshall, Albert H.; and Siragusa, George A., to United States of America, Navy. Laser device for moving target marksmanship training. 3,813,795, 6-4-74, Cl. 35-25.000.
Marshall, Arthur N.; Rinehart, James W.; and Gregory, Charles A., Jr., to Traffic Safety Systems, Inc., mesne. Multiple vehicle gap detection and interval sensing system. 3,840,848, 10-8-74, Cl. 340-38.00p.
Marshall, Cailen D.; and Myska, Clarence H., to Sperry-Sun Well Surveying Company. Wire line clamp. 3,804,168, 4-16-74, Cl. 166-250.000.
Marshall, Clarence G.: *See—*
Hungerford, Laurence D.; and Marshall, Clarence G., 3,810,100.
Marshall, David: *See—*
Dyson, Allen F.; and Marshall, David, 3,840,487.
Marshall, David Cyril: *See—*
Joy, John Anthony; and Marshall, David Cyril, 3,822,279.
Marshall, David M.: *See—*
Krippene, Brett C.; Peterson, Morris W.; and Marshall, David M., 3,788,796.
Marshall, Don J. Adapter for portable power-operated tire removing tool. 3,841,380, 10-15-74, Cl. 157-1.260.
Marshall, Donald Raymond: *See—*
Humkey, Robert Garnett; Marshall, Donald Raymond; and Ryan, Donald James, 3,807,705.
Marshall, Duane: *See—*
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Marshall, John J., to Aichele Associates, Inc. Dual battery charger for vehicles. 3,806,790, 4-23-74, Cl. 320-15.000.
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Marshall, Neil A., to International Telephone and Telegraph Corporation. High voltage measuring apparatus. 3,818,336, 6-18-74, Cl. 324-118.000.
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Marshall, Thomas D. Stemming bag. 3,806,025, 4-23-74, Cl. 229-62.500.
Marshall, Thomas E., III; and von Wald, Walter A., Jr., to United States of America, Navy. Anemometer wind direction damping system. 3,815,413, 6-11-74, Cl. 73-188.000.
Marshall, William James: *See—*
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Marshall, Winston S., to Lilly, Eli, and Company. Certain 5-(phenoxyphenalkyl)tetrazoles. 3,853,905, 12-10-74, Cl. 260-308.00d.
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Marsheck, Robert M., to Phillips Petroleum Company. Oxidative dehydrogenation of organic compounds. 3,801,671, 4-2-74, Cl. 260-680.00e.

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Martchenke, Earl J. Ski pole with camera mounting means. 3,810,647, 5-14-74, Cl. 280-11.37e.
Marteau, Jacques: *See—*
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Martelli, Fabrizio G. Rotary bag making apparatus. 3,797,368, 3-19-74, Cl. 93-8.00r.
Martelli, Mario: *See—*
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Martello, Norman E.; and Phillips, David C., to Westinghouse Electric Corporation. Method for continuous coating of polyimide by electrodeposition. 3,846,269, 11-5-74, Cl. 204-181.000.
Marten, Fritz, to Siemens Aktiengesellschaft. Switching arrangement for a conveyance bound to a guide structure such as a suspension railway or the like. 3,830,162, 8-20-74, Cl. 104-105.000.
Marten, John Anthony. Coating for vehicle test bed rollers. 3,841,151, 10-15-74, Cl. 73-117.000.
Martens, Ernst: *See—*
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Martens, Hans; Diepers, Heinrich; and Muller, Alfred, to Siemens Aktiengesellschaft. Method of treating the surface of superconductor niobium cavity resonators. 3,784,452, 1-8-74, Cl. 204-26.000.
Martens, Hans, to Siemens Aktiengesellschaft. Super conducting cavity resonator. 3,845,424, 10-29-74, Cl. 333-83.00r.
Martens, Peter: *See—*
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Marti, Milford F. Electrical brake assembly. 3,788,432, 1-29-74, Cl. 188-138.000.
Marti, Peter: *See—*
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Martial, Jean Paul Jules, to Fabrique Nationale Herstal S.A. en abrege FN. Cocking and ejection mechanism for firearms. 3,803,740, 4-16-74, Cl. 42-48.000.
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Martin, Alvin M.: *See—*
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Martin, Ames R., to General Motors Corporation. Sheet metal piston for transmissions and method of making a piston assembly. 3,848,518, 11-19-74, Cl. 92-107.000.
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Martin, Anthony N., to United Aircraft Corporation. Automatic aircraft engine pressure ratio control system. 3,813,063, 5-28-74, Cl. 244-77.00d.
Martin, Anthony N., to United Aircraft Corporation. Automatic engine pressure ratio equalization system. 3,839,860, 10-8-74, Cl. 60-224.000.
Martin, Anthony N., to United Aircraft Corporation. Aircraft engine pressure ratio autotrim system. 3,852,956, 12-10-74, Cl. 60-39.150.
Martin, Arlin E., to Duriron Company, Inc., The. In-line pump. 3,847,504, 11-12-74, Cl. 415-201.000.
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Martin, Byron D.; and Ristad, Clarence H., to International Business Machines Corporation. Laser printer. 3,803,637, 4-9-74, Cl. 346-76.001.
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Martin, Charles D.: *See—*
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Martin, Charles T., Jr.: *See—*
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Martin, David Eric: *See—*
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Martin, Donald E., to Aurora Products Corporation. Model vehicle race track. 3,830,426, 8-20-74, Cl. 238-10.00e.
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Martin, Donald L., to General Electric Company. Sintered cobalt-neodymium-samarium intermetallic product and permanent magnets produced therefrom. 3,821,035, 6-28-74, Cl. 148-31.570.
Martin, Duane P. Duct frame opening. 3,815,638, 6-11-74, Cl. 138-103.000.
Martin, Edward J. Demountable camp grill. 3,785,360, 1-15-74, Cl. 126-30.000.
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Martin, Eugene D. Trash bag retainer. 3,815,778, 6-11-74, Cl. 200-65.000.
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Martin, Eugene Ray, to Stauffer Chemical Company. Organosilicon compositions containing ammonium platinum adducts. 3,795,656, 3-5-74, Cl. 260-46.50e.
Martin Falal, KG: *See—*
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Martin, Frank Herbert, to Bell Telephone Laboratories, Incorporated. Interlocking joint. 3,825,355, 7-23-74, Cl. 403-104.000.
Martin, Frank J., to Chrysler Corporation. Vacuum reducer valve. 3,797,512, 3-19-74, Cl. 137-116.500.
Martin, Frank J.; Eshelman, Robert W.; and Bergsma, Rudolph, to Chrysler Corporation. Vacuum bias switch. 3,804,109, 4-16-74, Cl. 137-119.000.
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Martin, Frank L., Jr.: *See—*
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Martin, Frank V. Golf practice apparatus. 3,801,107, 4-2-74, Cl. 273-176.00f.
Martin, Frederick J., to General Electric Company. Gas burner for heat-recovery steam generator. 3,830,620, 8-20-74, Cl. 431-350.000.
Martin, Frederick Raymond Patrick. Lamp self-levelling system. 3,808,417, 4-30-74, Cl. 240-7.11j.
Martin, George Robert, to Dow Chemical Company, The. Dehydrogenation of alkanes and catalyst therefor. 3,793,392, 2-19-74, Cl. 260-683.300.
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Martin, Gilbert, to Etat Francais, Delegation Ministerielle pour l'Armement. Device for separating electrolyte carried by Hydrogen during recharging of a storage battery. 3,825,444, 7-23-74, Cl. 136-6.00p.
Martin, Gilbert E. Table for use with traverse power tool. 3,827,326, 8-6-74, Cl. 83-468.000.
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Martin, Helmut, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Process and apparatus for forming annular corrugations in metal tubing. 3,788,113, 1-29-74, Cl. 72-77.000.
Martin, Henry; Duerr, Dieter; Hubele, Adolf; Pissiotas, Georg; Rohr, Otto; and Rufener, Jacques, to Ciba-Geigy AG. Aryl thiourea fruit abscission method. 3,799,759, 3-26-74, Cl. 71-99.000.
Martin, Henry; Pissiotas, Georg; and Rohr, Otto, to Ciba-Geigy Corporation. Insecticidal and acaricidal substituted carbanilic acid esters. 3,800,037, 3-26-74, Cl. 424-186.000.
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Martin, Henry; Duerr, Dieter; and Hitz, Hans Rudolf, to Ciba Limited. Thiourea compounds and biocidal preparations containing them. 3,829,485, 8-13-74, Cl. 260-552.00r.
Martin, Henry; Rohr, Otto; and Pissiotas, Georg, to Ciba-Geigy AG. Propargyl ethers. 3,830,849, 8-20-74, Cl. 260-612.00d.
Martin, Henry; and Drabek, Jozef, to Ciba-Geigy AG. Control of plant pathogenic fungi with 1-halo-2-aryloxy-vinyl-(2) phosphates. 3,840,660, 10-8-74, Cl. 424-217.000.
Martin, Henry; and Drabek, Jozef, to Ciba Limited. Pesticidal compositions containing 1-halo-2-aryloxy-vinyl-(2)-phosphates. 3,852,438, 12-3-74, Cl. 424-217.000.
Martin, Henry; and Drabek, Jozef, to Ciba-Geigy AG. Process for the manufacture of phosphoric acid esters and phosphonic acid esters. 3,857,907, 12-31-74, Cl. 260-982.000.
Martin, Homer Z., to Esso Research and Engineering Company. Flue gas desulfurization using sorbent having gradient concentration of active material. 3,840,643, 10-8-74, Cl. 423-244.000.
Martin, Hubert, to Texcell Corporation. Method and apparatus for casting metal. 3,841,387, 10-15-74, Cl. 164-81.000.
Martin, Hubert, to Tercell Corporation. Apparatus for float continuous casting of metal. 3,845,811, 11-5-74, Cl. 164-281.000.
Martin, Ilie: *See—*
Tripsa, Iosif; Potoceanu, Ion; Nisipeanu, Ilie; Velicov, Corneliu; Popescu, Constantin; Cazan, Cornel; Kraft, Nathan; Driscu, Gheorghe; Martin, Ilie; Dulama,Dan; Tanasescu, Ovidiu; Deica, Nicolae; Berceanu, Edmond; Cosma, Dante; and Furnicescu, Nicolae, 3,00,630.
Martin, Jack, to Westinghouse Electric Corporation. Method of assembling a filament-mount for a single-ended incandescent lamp. 3,840,953, 10-15-74, Cl. 29-25.150.
Martin, James A.; and Dubberley, W. Reneau, to United States of America, Atomic Energy Commission. Workpiece support. 3,834,687, 9-10-74, Cl. 269-7.000.
Martin, James A., Jr.: *See—*
Luongo, Michael C.; Martin, James A., Jr.; and Tapper, Donald N., 3,792,583.
Martin, James C.: *See—*
Cleveland, James P.; and Martin, James C., 3,830,830.
Martin, James C., to Warwick Electronics Inc. Sound demodulator and AFC system. 3,842,198, 10-15-74, Cl. 178-5.8af.
Martin, James C., to Warwick Electronics Inc. Variable Q IF amplifier. 3,852,522, 12-3-74, Cl. 178-5.80r.
Martin, James E. Hand ratchet wrench for torque wrench actuation. 3,823,624, 7-16-74, Cl. 81-58.100.
Martin, James Graham: *See—*
Kedward, Eric Charles; and Martin, James Graham, 3,830,711.
Martin, James R.: *See—*
Garner, Kenneth B.; Martin, James R.; and Smith, Jack C., 3,802,245.
Martin, James R., to General Motors Corporation. Piston assembly for power transmission. 3,814,225, 6-4-74, Cl. 192-85.0aa.
Martin, James R., to Block Engineering Inc. Method of manufacturing infrared radiation source. 3,841,920, 10-15-74, Cl. 148-6.350.
Martin, Jerry C.: *See—*
Waugh, Richard A.; and Martin, Jerry C., 3,805,559.
Martin, Jerry Roy: *See—*
Hallas, Robert; Martin, Jerry Roy; and Tadanier, John Soloman, 3,836,519.
Jones, Peter Hadley; Martin, Jerry Roy; McAlpine, James Bruce; Pauvlik, Jeanne Marie; and Tadanier, John Soloman, 3,842,069.
Tadanier, John Soloman; and Martin, Jerry Roy, 3,816,397.
Tadanier, John Soloman; and Martin, Jerry Roy, 3,816,398.
Tadanier, John Soloman; and Martin, Jerry Roy, 3,828,022.
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Martin, Jerry Roy; and Goldstein, Alma W., to Abbott Laboratories. Erythromycin E. 3,801,465, 4-2-74, Cl. 195-80.00r.
Martin, Jerry Thomas; and Patros, Carl Thomas, to International Business Machines Corporation. Anti-gum and solvating lubricant. 3,853,773, 12-10-74, Cl. 252-32.0fe.
Martin, Johann. Device in particular for drawing sheet-metal. 3,808,872, 5-7-74, Cl. 72-453.000.
Martin, Johannes Josef; Martin, Walter Josef; and Weber, Erich, to Martin, Josef, Feuerungsbau GmbH. Furnace construction. 3,783,803, 1-8-74, Cl. 110-165.00r.
Martin, John; and Johnson, Francis, to Dow Chemical Company, The. Method of preparing 1,5-disubstituted-2-haloimidazoles. 3,804,850, 4-16-74, Cl. 260-309.000.
Martin, John; and Johnson, Francis, to Dow Chemical Company, The. Method of preparing 1, 5-disubstituted-2-nitroimidazoles. 3,828,064, 8-6-74, Cl. 260-309.000.
Martin, John A., to Ford Motor Company. Energy absorbing steering column assembly. 3,815,437, 6-11-74, Cl. 74-492.000.
Martin, John C., to Bunn-O-Matic Corporation. Automatic coffee maker with liquid level sensor and siphon control. 3,793,934, 2-26-74, Cl. 99-282.000.
Martin, John C., to Bunn-O-Matic Corporation. Coffee making machine convertible between final filter operation and pouch pack operation. 3,793,935, 2-26-74, Cl. 99-295.000.
Martin, John F.; and Lemay, Roger E., to USM Corporation. Devices for linear and rotational movements. 3,805,629, 4-23-74, Cl. 74-89.150.
Martin, John Henry Edward James: *See—*
Ellestad, George Alfred; Martin, John Henry Edward James; and Porter, John Norman, 3,856,939.
Martin, John Henry Edward James; and Kantor, Sidney, to American Cyanamid Company. Antibiotic BL580. 3,812,249, 5-21-74, Cl. 424-121.000.
Martin, John J. Collapsible baking pan. 3,828,966, 8-13-74, Cl. 220-7.000.
Martin, John T. Solid grain stress relief liner. 3,802,346, 4-9-74, Cl. 102-103.000.
Martin, John W. Apparatus for establishing a line in the same plane as a reference line. 3,817,624, 6-18-74, Cl. 356-138.000.
Martin, Jon W.; Bell, Jeffrey L.; and Jones, John F., to TRW Inc. Mixtures of particulate fluorinated polymers and rubbers. 3,853,809, 12-10-74, Cl. 260-42.370.
Martin, Josef, Feuerungsbau GmbH: *See—*
Martin, Johannes Josef; Martin, Walter Josef; and Weber, Erich, 3,783,803.
Martin, Joseph. Etching press. 3,804,013, 4-16-74, Cl. 101-250.000.
Martin, Joseph A.; and Hoover, James M., to Esterline Corporation. Electronic watt transducer. 3,794,917, 2-26-74, Cl. 324-142.000.
Martin, Joseph D. Combined lathe with integral work piece balancing accessory. 3,805,624, 4-23-74, Cl. 73-462.000.
Martin, Kelsey: *See—*
Lewis, Royce C., Jr.; and Martin, Kelsey, 3,809,498.
Martin, Kenneth Edward, to U.S. Philips Corporation. EHT supply particularly for television receivers. 3,786,299, 1-15-74, Cl. 315-29.000.
Martin, Kirby B., Jr., to Goodrich, B. F., Company, The. Pneumatic tire. 3,796,247, 3-12-74, Cl. 152-361.000.
Martin, Larry D.: *See—*
Frost, Jack G.; Knox, John A.; and Martin, Larry D., 3,854,996.
Martin, Lawrence L.; Martin, Ronald C.; and Sixt, Marty E., to Advanced Drainage Systems, Inc. Rigid corrugated tubing. 3,855,799, 12-24-74, Cl. 61-11.000.
Martin, Lloyd W.: *See—*
Sundquist, John L.; and Martin, Lloyd W., 3,843,245.
Martin, Louis, to Societe Anonyme: Poclain le Plessis-Belleville (Oise). Fluid ram provided with means for braking the ram piston at the end of its stroke. 3,824,895, 7-23-74, Cl. 91-401.000.
Martin, Louis E., to Societe Anonyme Poclain. Device limiting the delivery output of a jack. 3,786,724, 1-22-74, Cl. 91-395.000.
Martin, Louis E., to Societe Anonyme Poclain. Device driving a heavy body in reciprocating motion. 3,793,834, 2-26-74, Cl. 60-413.000.
Martin, Louis E., to Societe Anonyme Poclain. Coupling device and centrifugal pump making use of same. 3,799,691, 3-26-74, Cl. 415-104.000.
Martin, Louis E., to Societe Anonyme Poclain. Hydraulic motors. 3,808,951, 5-7-74, Cl. 91-492.000.
Martin, Louis E., to Societe Anonyme Poclain. Apparatus for supplying fluid to a reversible drive organ. 3,817,154, 6-18-74, Cl. 91-420.000.
Martin, Louis F., to Standard Packaging Corporation. Evacuation and venting system for vacuum packages and vacuum chamber therefor. 3,832,828, 9-3-74, Cl. 53-112.00a.
Martin, Manfred: *See—*
Wolz, Hermann; Wenzel, Rupert; Martin, Manfred; and Scharfe, Gerhard, 3,801,662.
Martin, Marcus. Functional stand for roll materials. 3,847,709, 11-12-74, Cl. 156-510.000.
Martin, Marie. Inflatable hair washing aid. 3,816,858, 6-18-74, Cl. 4-159.000.
Martin Marietta Aluminum, Inc.: *See—*
Anderson, Paul E., 3,844,336.
Simpson, Eric, Jr.; and Fried, Morton, 3,813,839.
Martin Marietta Corporation: *See—*
Blizard, Robert B.; Pederson, Christ W.; and Polhemus, John T., 3,793,507.
Corcoran, Vincent J., 3,820,037.
Goldsby, Arthur F.; Anand, Satish K.; and Haberl, Frank J., 3,858,181.
Holst, Dennis W., 3,811,129.
Hopper, Frederick W., 3,811,641.
Johnson, Gerald E., 3,789,329.
Kolan, Andrew, 3,814,308.
Kramer, Irvin R., 3,817,796.
Larson, Clarence E.; Dawley, Richard H.; and Reese, Roger H., 3,834,568.
Moorhead, Seth B., Jr., 3,819,117.
Peppler, Richard B.; and Rosskopf, Philip A., 3,785,839.
Shoch, Clinto W.; and Harmon, George Lamar, 3,837,733.
Wells, Joel D.; Sabin, Albert S.; Kahn, William J.; and Wigner, William K., 3,836,726.

Wells, Joel Douglas, 3,836,974.
Wigner, William K.; and Sabin, Albert S., Jr., 3,808,367.
Wilson, Robert C., 3,816,834.

Martin, Maurice S.: *See—*
Nelson, Alfred M.; McPherson, Robert G.; and Martin, Maurice S., 3,831,749.

Martin, Michael S. Screen printing and drying machine. 3,854,398, 12-17-74, Cl. 101-41.000.

Martin, Michel, to Saint-Gobain Industries. Apparatus for treatment of glass sheets. 3,806,330, 4-23-74, Cl. 65-158.000.

Martin Miller Gesellschaft m.b.H.: *See—*
Spengler, Ernst Maximilian; and Stursberg, Rolf Karl, 3,828,631.

Martin, Noel E.: *See—*
MacDonald, Richard C.; and Martin, Noel E., 3,856,012.

Martin, Norman Eugene. Micro-wave heater. 3,812,315, 5-21-74, Cl. 219-10.550.

Martin, Orval J., to Reliance Electric Company. Price computing scale with parity check of price entry. 3,825,085, 7-23-74, Cl. 177-3.000.

Martin, Otis M.: *See—*
Kough, John K.; Martin, Otis M.; and Miller, Silas N., 3,785,114.

Martin, Otis M., to Ditz-Crane. Method of fabricating, shipping and installing a building exterior, panel closure. 3,841,050, 10-15-74, Cl. 52-745.000.

Martin, Otis M.; Kough, John K.; and Miller, Silas M., to Ditz-Crane. Building exterior panelling with end-to-end overlap. 3,844,082, 10-29-74, Cl. 52-540.000.

Martin, Patrick S.; and Moody, Barron M., to General Cryogenics, Inc. Refrigeration apparatus. 3,802,212, 4-9-74, Cl. 62-52.000.

Martin, Paul E.; Sherrill, William M.; and Green, Terence C., to United States of America, Air Force. Direction finding interferometer for a linear FM signal. 3,815,135, 6-4-74, Cl. 343-113.00r.

Martin, Paul H.; and McKee, William C., to Diesel Equipment, Limited. Foldable tailgates. 3,795,329, 3-5-74, Cl. 214-75.00t.

Martin, Paul S.: *See—*
Rackman, Michael I.; and Devol, George C., 3,850,313.

Martin, Paul Warren, to Dresser Industries, Inc. Step controlled tube expander. 3,854,314, 12-17-74, Cl. 72-122.000.

Martin, Peter G.: *See—*
Arciprete, Genio R.; and Martin, Peter G., 3,821,710.
Arciprete, Genio R.; and Martin, Peter G., 3,824,551.
Heitman, Richard E.; Arciprete, Genio R.; Martin, Peter G.; Norris, Richard C.; and Brisk, Richard A., 3,828,323.

Martin, Peter G., to Little, Arthur D. Inc. Word processor with means for programming indented paragraph format. 3,837,459, 9-24-74, Cl. 197-19.000.

Martin, Peter G., to Little, Arthur D., Inc. Data processor (including editing and revision) with buffer memory. 3,838,396, 9-24-74, Cl. 340-172.500.

Martin, Ralph, to Western Forge Corporation. Arc joint plier. 3,854,351, 12-17-74, Cl. 81-414.000.

Martin, Raymond D., Jr., to Centreville Tag-A-Long Trailers, Inc. Lunnette assembly. 3,823,962, 7-16-74, Cl. 280-514.000.

Martin, Raymond G., to Westinghouse Electric Corporation. Digital moving target indicator radar system incorporating modulo-N components. 3,797,016, 3-12-74, Cl. 343-7.700.

Martin, Rene Jean, to Societe Francaise des Tubes Pneumatiques,. Self-steering carrier for various conveyor systems. 3,817,476, 6-18-74, Cl. 243-16.00r.

Martin, Richard Ace, to Trinity Industries, Inc. Railway hopper car end structure assembly. 3,844,229, 10-29-74, Cl. 105-248.000.

Martin, Richard D.: *See—*
Calvert, Corlette C.; Morgan, Neal O.; and Martin, Richard D., 3,814,057.

Martin, Richard E.; Gildone, Anthony M.; and Frankfurt, Sandor, to GMF Inc. Beverage tapping device. 3,822,716, 7-9-74, Cl. 137-212.000.

Martin, Richard John: *See—*
Fleming, George Latto; and Martin, Richard John, 3,784,647.
Fleming, George Latto; and Martin, Richard John, 3,793,247.

Martin, Ricky; and Quinn, Paul, to Integrated Conversion Technology. Electronic push button combination lock. 3,831,065, 8-20-74, Cl. 317-134.000.

Martin, Robert, to United States Forgecraft Corporation. Safety hook. 3,831,994, 8-27-74, Cl. 294-82.00r.

Martin, Robert A., to Universal Oil Products Company. Mounting assembly for vibrating screen deck. 3,795,311, 3-5-74, Cl. 209-395.000.

Martin, Robert B.; and Jones, Carl T., to Gautney & Jones Communications, Inc. Nationwide system for selectively distributing information. 3,848,193, 11-12-74, Cl. 325-53.000.

Martin, Robert C., to Texas Instruments Incorporated. Liquid crystal drive circuit. 3,828,548, 8-13-74, Cl. 58-50.00r.

Martin, Robert C., to Dow Chemical Company, The. Hydraulic cement and method of cementing in environments having elevated temperatures. 3,856,541, 12-24-74, Cl. 106-90.000.

Martin, Robert Cherry: *See—*
Mueller, Fritz Kurt; Martin, Billy Otis; Martin, Robert Cherry; Stricklin, Bobby Joe; and Weeks, Raymond Leland, 3,834,238.

Martin, Robert Duane: *See—*
Boirum, Don; and Sisil, Darrell D., 3,807,425.

Martin, Robert I., to Rimar Manufacturing, Inc. Decorative grill joint. 3,791,095, 2-12-74, Cl. 52-758.00h.

Martin, Robert J., to General Electric Company. Power regulator circuit for a radio transmitter. 3,808,539, 4-30-74, Cl. 325-105.000.

Martin, Robert M. Toggle bar for brachiation in place by the upper limbs. 3,837,642, 9-24-74, Cl. 272-62.000.

Martin, Robert T. Vaporizer. 3,801,016, 4-2-74, Cl. 239-219.000.

Martin, Robertson & Bain Ltd.: *See—*
Cox, James P., 3,817,370.

Martin, Roger C., 1/2 to Griffis, Edgar E. Scallop eviscerator. 3,802,029, 4-9-74, Cl. 17-53.000.

Martin, Roger C., to Griffis, Edgar E. Screw conveyor steamer for scallop processing. 3,811,148, 5-21-74, Cl. 15-3.140.

Martin, Roger C., 1/2 to Griffis, Edgar E. Scallop measuring device. 3,820,394, 6-28-74, Cl. 73-223.000.

Martin, Ronald C.: *See—*
Martin, Lawrence L.; Martin, Ronald C.; and Sixt, Marty E., 3,855,799.
Schaller, Willard W.; Martin, Ronald C.; and Sixt, Marty E., 3,785,682.

Martin, Ronald P.: *See—*
Wooldridge, James E.; and Martin, Ronald P., 3,813,843.

Martin, Roy A.; and Pittman, Clarence L., to Lectra Data, Inc. Voting machine. 3,785,550, 1-15-74, Cl. 235-50.00r.

Martin, Roy A.; and Pittman, Clarence E., to Lectra Data, Inc. Voting Machine. 3,787,662, 1-22-74, Cl. 235-54.00f.

Martin, Roy A.; and Pittman, Clarence E., to Lectra Data, Inc. Voting machine. 3,790,073, 2-5-74, Cl. 235-54.00f.

Martin, Sidney G.: *See—*
Frank, Robert L.; Martin, Sidney G.; and Smith, Clayton S., 3,791,812.

Martin, Stephen F. Primary fuel burning apparatus. 3,820,337, 6-28-74, Cl. 60-699.000.

Martin, Stephen J. Shont negative impedance amplifier. 3,829,625, 8-13-74, Cl. 179-170.00g.

Martin, Sterling T., to Union Carbide Corporation. Device for collecting the contents of cuvets in a rotating spectrophotometer analyzer. 3,801,004, 4-2-74, Cl. 233-26.000.

Martin Taximeters Caust Pty Ltd.: *See—*
Hart, Francis Joseph, 3,858,030.

Martin, Tellis Alexander; and Comer, William Timmey, to Mead Johnson & Company. 1,4-Bis-acylipiperazines. 3,809,697, 5-7-74, Cl. 260-268.00c.

Martin, Theodore T.; and Allen, Marvin C., to Continental Oil Company. Method for the separation of saturated from unsaturated compounds. 3,849,300, 11-19-74, Cl. 208-310.000.

Martin, Thomas B.: *See—*
Herscher, Marvin B.; and Martin, Thomas B., 3,821,472.

Martin, Thomas B.; and Pieters, Ferdinandus A., to Micropump Corporation. Pump impeller construction. 3,801,241, 4-2-74, Cl. 418-152.000.

Martin, Thomas W.: *See—*
Joo, Louis A.; Martin, Thomas W.; and McKee, John A., 3,811,927.

Martin, Virgil B., to Gehl Company. Front mounted harvester. 3,822,534, 7-9-74, Cl. 56-13.900.

Martin, Walter Josef: *See—*
Martin, Johannes Josef; Martin, Walter Josef; and Weber, Erich, 3,783,803.

Martin, Waylan C. Selective plugging process. 3,837,400, 9-24-74, Cl. 166-274.000.

Martin, Wesley G., to Aluminum Specialty Company. Corn popper. 3,786,740, 1-22-74, Cl. 99-323.800.

Martin, Wilbur L., Jr.: *See—*
Higgens, Calvin E.; and Martin, Wilbur L., Jr., 3,838,012.

Martin, Wilhelm N.: *See—*
Wilkinson, Michael C.; Blais, Leo; Martin, Wilhelm N.; and Tesainer, Silvano, 3,811,987.

Martin, Wilhelm N., to Consolidated Bathurst Limited. Method for flame bonding by use of high velocity high temperature direct flame. 3,783,062, 1-1-74, Cl. 156-82.000.

Martin, William, to Uniline Corporation. Merchandise marking gun. 3,800,701, 4-2-74, Cl. 101-288.000.

Martin, William A., to Eastman Kodak Company. Web tension regulating apparatus. 3,794,231, 2-26-74, Cl. 226-36.000.

Martin, William A.; and St. Clair, John Q., to Eastman Kodak Company. Motion picture projector apparatus. 3,837,737, 9-24-74, Cl. 352-124.000.

Martin, William Allen; and Chesley, Richard Carleton, to Eastman Kodak Company. Web feeding apparatus with guide arm. 3,854,677, 12-17-74, Cl. 242-195.000.

Martin, William C., Jr.: *See—*
Honnold, Fred V.; and Martin, William C., Jr., 3,819,294.

Italiano, Frank; Tobin. Curtis L.; Martin, William C., Jr.; and Honnold, Fred V., Jr., 3,790,114.

Martin, William E. Multiple implement coupling structure. 3,792,877, 2-19-74, Cl. 280-415.00a.

Martin, William E. Multiple implement coupling structure. 3,822,756, 7-9-74, Cl. 180-14.00r.

Martin, William H. Face protector. 3,789,428, 2-5-74, Cl. 2-9.000.

Martin, William J.: *See—*
Magrath, Joseph M.; and Martin, William J., 3,830,410.

Martin, William O.: *See—*
Gibbs, Charles H.; and Martin, William O., 3,797,012.

Martin, William R.; and Weir, James R., to United States of America, Atomic Energy Commission. Method for inducing resistance to embrittlement by neutron irradiation and products formed thereby. 3,804,680, 4-16-74, Cl. 148-162.000.

Martin, William S.; and White, Donald R., to General Electric Company. Multi-color face-pumped liquid laser device. 3,810,040, 5-7-74, Cl. 331-94.500.

Martin, William S., to General Electric Company. Face-pumped liquid laser device. 3,810,041, 5-7-74, Cl. 331-94.500.

Martin, William Stephen; and Chappell, Michael John, said Chappel, Michael J., assor. to Wilson, Walton International Limited. Cargo tank valve system. 3,839,982, 10-8-74, Cl. 114-74.00r.

Martin, William T., 1/4 to Bohlman, Ivan C. and 1/4 to Bohlman, Vernon O. Continuous contact distributor for use with irrigation systems. 3,782,408, 1-1-74, Cl. 137-344.000.

Martin, William W.; Schell, Donald H.; and Taub, James M., to United States of America, Atomic Energy Commission. Method of making a carbide-graphite composite nuclear fuel. 3,810,962, 5-14-74, Cl. 264-.500.

Martin, Willis Leon: *See—*
Ewan, Thomas K.; Holland, Orvis L.; Martin, Willis Leon; and Hurse, James E., 3,852,408.

Martin, Willis Leon; Holland, Orvis L.; Ewan, Thomas K.; and Hurse, James E., to Lone Star Steel Company. Process for the removal of particulate matter and acidic gases from carrier gases. 3,852,409, 12-3-74, Cl. 423-242.000.

Martin, Wolfgang; Schwoerer, Ulrich; Bauer, Wolfgang; and Staufer, Dieter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Method of drawing moving threads or yarns into narrow channels and apparatus therefor. 3,837,052, 9-24-74, Cl. 28-1.00r.

Martin Yale Industries, Inc.: *See—*
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Martin-Garin, Gerard G.: *See—*
Danton, Jacques J.; Janex, Albert A.; and Martin-Garin, Gerard G., 3,801,980.

Martin-Marietta Corporation: *See—*
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Richards, Edward F.; and Depperman, Warren B., 3,825,739.

Martin-Thomas, Ltd.: *See—*
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Martina, Jack A., to Weather Tec. Corporation. Shielded bearing construction. 3,799,631, 3-26-74, Cl. 308-36.100.

Martincic, Paul W.; and Quirk, James F., to Westinghouse Electric Corporation. Electrical bushing having a stress relieving shield and method of constructing same. 3,783,181, 1-1-74, Cl. 174-142.000.

Martineau, John C.: *See—*
Marzocchi, Alfred; and Martineau, John C., 3,787,352.

Martinec, Eugene F.: *See—*
Fairaizl, Max L.; and Martinec, Eugene F., 3,783,474.

Martinec, Eugene F.; and Fairaizl, Max L., to Health-Mor Inc. Combined adjustable shag rug-power nozzle cleaner construction. 3,818,540, 6-25-74, Cl. 15-356.000.

Martinec, Josef: *See—*
Cernocky, Jiri; Riha, Miloslav; and Martinec, Josef, 3,828,828.

Martinek, Thomas W., to Tee-Pak Inc. Method of humidification of synthetic sausage casings. 3,805,330, 4-23-74, Cl. 17-49.000.

Martinelli, Arnold C. Knock-down furniture. 3,850,117, 11-26-74, Cl. 108-150.000.

Martinelli, Arnold C. Closure and container. 3,854,582, 12-17-74, Cl. 206-508.000.

Martinelli, Ramon Ubaldo; and Goldstein, Bernard, to RCA Corporation. Infrared photocathode. 3,845,496, 10-29-74, Cl. 357-30.000.

Martines, Francis M.; and Spahr, Philip K., to Singer Company, The. Electronic synchro drive system. 3,829,752, 8-13-74, Cl. 318-654.000.

Martinet, Charles, to Regie Nationale des Usines Renault and Automobiles Peugeot. Isostatic working process. 3,782,159, 1-1-74, Cl. 72-60.000.

Martinetz, Heribert: *See—*
Hanke, Peter; Ludcke, Hans-Joachim; Martinetz, Heribert; and Ohlhorst, Rolf, 3,831,122.

Martinez, Boni Philip; and Pruckmayr, Gerfried, to Du Pont de Nemours, E. I., and Company. Polyester fabrics coated with ethylene copolymer dispersions. 3,814,623, 6-4-74, Cl. 117-135.500.

Martinez, Boni Philip; and Pruckmayr, Gerfried, to Du Pont de Nemours, E. I., and Company. Ethylene copolymer dispersions containing a halogenated alkyl phosphate. 3,830,768, 8-20-74, Cl. 260-29.60h.

Martinez, Cristobal; and Rodriguez, Dario, to Laboratories Made, S.A. Pyridoxine alpha-ketoglutarate and its derivatives. 3,784,553, 1-8-74, Cl. 260-297.500.

Martinez, Enrique R.: *See—*
Celada, Juan; Mackay, Patrick W.; and Martinez, Enrique R., 3,816,102.

Martinez, Enrique Ramon: *See—*
Celada, Juan; Pena, Jesus Maria; MacKay, Patrick W.; de la Pena, Ramon; Martinez, Enrique Ramon; and de la Torre, Maria Teresa, 3,827,879.

Martinez, Eugene, to Kamar Products, Inc. Mirror and stand assembly. 3,792,917, 2-19-74, Cl. 350-288.000.

Martinez, Eugene, 1/2 to Reibel, Robert H. Projection screen. 3,844,644, 10-29-74, Cl. 350-117.000.

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Martino, Louis D.: *See—*
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Maruyama, Yoshio, to Pioneer Electronic Corporation. Tape recorder. 3,821,810, 6-28-74, Cl. 360-96.000.

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Marx, Guenter H. Apparatus for transferring a gas between two liquids. 3,856,475, 12-24-74, Cl. 23-258.500.

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Marzocchi, Alfred, to Owens-Corning Fiberglas Corporation. Glass fibers treated with alkaline compatible chromic complexes and reinforced elastomers produced therefrom. 3,802,953, 4-9-74, Cl. 161-176.000.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corporation. Method of making multifilament yarns. 3,824,779, 7-23-74, Cl. 57-162.000.

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Marzocchi, Alfred, to Owens-Corning Fiberglas Corporation. Glass fiber reinforced elastomers. 3,837,897, 9-24-74, Cl. 117-72.000.

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Masaki, Kenji, to Nissan Motor Company, Limited. Method and apparatus for reducing toxic compounds in exhaust gases for internal combustion engine. 3,807,172, 4-30-74, Cl. 60-284.000.

Masaki, Kenji, to Nissan Motor Company, Limited. Carburetter output control device. 3,810,606, 5-14-74, Cl. 261-39.00a.

Masaki, Kenji; and Nishimura, Hiroshi, to Nissan Motor Company, Limited. Apparatus for warming cooling and/or lubricating media of internal combustion engines. 3,835,903, 9-17-74, Cl. 165-23.000.

Masaki, Kenji; and Aono, Shigeo, to Nissan Motor Company, Limited. Engine output measuring device. 3,847,019, 11-12-74, Cl. 73-117.300.

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Masaki, Mitsuo, Uchida, Masaru; Oda, Taizi; and Yamamoto, Koichi, to UBE Industries, Ltd. Process for the preparation of lactams and sulfonic acid derivatives. 3,836,525, 9-17-74, Cl. 260-239.30a.

Masaki, Mitsuo, Matsumami, Satoshi, and Yoshikawa, Toshio, to Ube Industries, Ltd. Polyolefin composition stabilized against metal-induced oxidation. 3,850,883, 11-26-74, Cl. 260-45.75k.

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Mason, Alfred L.; and Mason, Pauline E.; executrix of said Mason, Alfred L., deceased. Hydraulic slip joint pipe puller. 3,840,968, 10-15-74, Cl. 29-237.000.
Mason, Athol James Malcolm. Apparatus for filling and emptying containers for use in fire fighting. 3,828,857, 8-13-74, Cl. 169-53.000.
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Mason, Edwin E., to Design Elements, Inc. Solenoid drive circuit. 3,852,646, 12-3-74, Cl. 317-141.00s.
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Mason, Henry J.; and Jones, Geoffrey A. Reading aid for handicapped persons. 3,793,471, 2-19-74, Cl. 35-35.00a.
Mason, Howard C., to Mason, H. C., & Associates, Inc. Saw apparatus with disk bed support for lumber. 3,788,371, 1-29-74, Cl. 144-312.000.
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Mason, Raymond J., to Minarik Electric Co. Triac motor speed control. 3,783,361, 1-1-74, Cl. 318-331.000.
Mason, Raymond J., to Minarik Electric Co. Motor speed control circuit. 3,849,710, 11-19-74, Cl. 318-331.000.
Mason, Robert J.; and Lavedan, Louis J., Jr., to United States of America, Navy, mesne. Means of securing ferrimagnetic core in a microwave phaser. 3,811,099, 5-14-74, Cl. 333-24.100.
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Masopust, Otto T., Jr., to Western Electric Company, Incorporated. Method and system for determining the resistance of the dielectric in a capacitor. 3,855,527, 12-17-74, Cl. 324-60.000.

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Masotti, Robert, Rieux, Jean-Philippe; Borrel, Philippe; and Lehureau, Jean, to Progil. Laminating process including cathode sputtering of carbon substrate. 3,813,282, 5-28-74, Cl. 161-164.000.

Maspero, Federico; and Perrotti, Emilio, to Snam Progetti, S.p.A. Hydrogen transfer process. 3,849,510, 11-19-74, Cl. 260-680.00r.

Maspero, Federico; Perrotti, Emilio; and Simonetti, Franco, to Snam Progetti S.p.A. Olefin metallorganic complexes of saline type and process for the preparation thereof. 3,857,867, 12-31-74, Cl. 260-429.00r.

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Massa, Frank, 3,849,679.

Massa, Donald P., to Massa Corporation. Intrusion alarm system with improved air turbulence compensation. 3,828,336, 8-6-74, Cl. 340-258.00a.

Massa, Donald P., to Massa Division, Dynamics Corporation of America. Apparatus and method for deployment of expendable velocimeter to eliminate doppler shift error in the measurements. 3,842,398, 10-15-74, Cl. 340-5.00s.

Massa, Frank, to Massa Division, Dynamics Corporation of America. Electrodynamic transducer for low frequency broad band underwater use. 3,803,547, 4-9-74, Cl. 340-12.00r.

Massa, Frank, to Massa Corporation. Means for making precision microadjustments in the position of a movable element. 3,808,488, 4-30-74, Cl. 310-8.200.

Massa, Frank, to Massa Division, Dynamics Corporation of America. Methods of and means for coating articles employing sonic energy. 3,814,621, 6-4-74, Cl. 117-114.00b.

Massa, Frank, to Massa Division Dynamics Corporation of America. Apparatus and method for sonic cleaning of human teeth. 3,847,662, 11-12-74, Cl. 134-1.000.

Massa, Frank, to Massa Division, Dynamics Corporation of America. Electroacoustic transducer with controlled beam pattern. 3,849,679, 11-19-74, Cl. 310-8.200.

Massa, Frank, to Massa Corporation, mesne. Aircraft ground traffic control system. 3,855,571, 12-17-74, Cl. 340-26.000.

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Massie, Stephen N.; and Bloch, Herman S., to Universal Oil Products Company. Preparation of ethers. 3,821,315, 6-28-74, Cl. 260-612.00d.

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Matchan, Michael John: *See*—
Stables, Harry Carson, Atherton, John; and Matchan, Michael John, 3,821,208.

Matchell, Raymond, to Rank Organisation Limited, The. Flying spot film scanner providing increased time for film full-down. 3,814,850, 6-4-74, Cl. 178-7.200.

Matchett, David: *See*—
Batson, Robert E.; Haviland, Girard S.; and Matchett, David, 3,795,224.

Matchpoint Industries, Inc.: *See*—
Helms, John D., 3,853,222.

Matej, Ronald J., to Prutton Corporation. End working machine tool. 3,808,623, 5-7-74, Cl. 10-21.000.

Mateja, Eugene V., to Bell & Howell Company. Motor control circuit for dual speed magnetically striped cards. 3,821,622, 6-28-74, Cl. 318-305.000.

Matejec, Reinhart; and Puschel, Walter, to Agfa-Gevaert Aktiengesellschaft. Color forming agents for the peroxide color intensifying process. 3,817,751, 6-18-74, Cl. 96-48.00r.

Matejek, John Michael, to American Can Company. Method and apparatus for filling a container. 3,830,265, 8-20-74, Cl. 141-6.000.

Matelan, Edward M. Roller coaster. 3,791,305, 2-12-74, Cl. 104-69.000.

Matena, Philip, to Bell Telephone Laboratories, Incorporated. Communication and telemetry arrangement. 3,800,090, 3-26-74, Cl. 179-2.00a.

Materese, Vincent, to Dayton Manufacturing Company. Waste treatment system. 3,782,550, 1-1-74, Cl. 210-134.000.

Materese, Vincent, to Dayton Manufacturing Company. Waste treatment system with enclosed screen unit. 3,786,922, 1-22-74, Cl. 210-136.000.

Material Control, Inc.: *See*—
Reiter, Robert C., 3,829,022.

Material Sciences Corporation, mesne: *See*—
Janos, Alan R.; Fletcher, Peter C.; Ridosh, Michael H., Jr., and Freihube, Walter P., 3,853,648.

Materials and Methods Limited: *See*—
McCaulay, James Lindsay; and Dunks, Clifford Matthew, 3,819,365.

Materials Management Systems, Inc.: *See*—
Critchlow, Arthur J., and Bryson, Charles J., 3,820,667.

Materiek, Dennis A., to Aeco Metals Limited. Segmental tire curing mould. 3,806,288, 4-23-74, Cl. 425-47.000.

Matern, Helen A. Composite model for medical study. 3,802,096, 4-9-74, Cl. 35-17.000.

Matesevac, Ronald A.: *See*—
Rogers, Jack M.; Porter, Charles; and Matesevac, Ronald A., 3,797,990.

Mathae, Edwin G. Buoy. 3,829,919, 8-20-74, Cl. 9-8.00r.

Mathai, John: *See*—
Cunningham, Arthur L.; Damon, John E.; Bohatiuk, Zenon P., Mathai, John; and Holton, Howard D., 3,804,920.

Mathauser, William R. Magnetic self-aligning electrical connector. 3,786,391, 1-15-74, Cl. 339-12.00r.

Mathauser, William R. Magnetic self-aligning quick-disconnect for a telephone or other communications equipment. 3,808,577, 4-30-74, Cl. 339-12.00r.

Mathauser, William R. Quick connect electrical coupler. 3,810,258, 5-7-74, Cl. 339-12.00r.

Mathe, Istvan, to Bunker Ramo Corporation. Electrical connector having improved panel mounting means and an improved releasable contact construction. 3,790,923, 2-5-74, Cl. 339-128,000.
Mather & Platt Limited: *See*—
Barlow, Colin, 3,791,513.
Larah, David Arthur, 3,795,368.
Mather Company, The: *See*—
Ordorica, Miguel A., 3,856,329.
Mather, Walter B., III: *See*—
Lloyd, Neil E.; and Mather, Walter B., III, 3,837,155.
Matherly, James E., to Dow Corning Corporation. Method for sealing high pressure fuel tanks and sealing composition therefor. 3,836,623, 9-17-74, Cl. 264-267.000.
Matherne, Carrol J. Compact tubing testing unit. 3,810,383, 5-14-74, Cl. 73-40.50r.
Matherne, Lee J. Apparatus for welding vertical members during inclement weather. 3,783,906, 1-8-74, Cl. 138-103.000.
Mathers, James E.: *See*—
Mehalchick, Emil J., and Mathers, James E., 3,794,597.
Mehalchick, Emil J., and Mathers, James E., 3,830,748.
Mathers, Kenneth R.: *See*—
Albach, Robert W.; Mathers, Kenneth R., and Carlson, Reuben T., 3,841,321.
Mathes, Homer B.: *See*—
Price, Edward W.; and Mathes, Homer B., 3,788,126.
Matheson, Wilfrid G.: *See*—
Passmore, Edmund M.; and Matheson, Wilfrid G., 3,803,707.
Mathevosian, Yervand: *See*—
Brean, John W.; and Mathevosian, Yervand, 3,839,663.
Mathews, Bernard C.: *See*—
Pool, Stuart D., 3,825,138.
Mathews, Bernard C. Slat elevators for combines or the like. 3,785,472, 1-15-74, Cl. 198-171.000.
Mathews, Bernard C. Hitch connection for a tractor drawn implement. 3,802,172, 4-9-74, Cl. 56-15.800.
Mathews, Bernard C. Releasable blade holder for flail mower. 3,831,357, 8-27-74, Cl. 56-294.000.
Mathews, Bernard C. Blade assembly for flail mower. 3,831,359, 8-27-74, Cl. 56-294.000.
Mathews, Bernard C. Discharging hopper for grain dryer. 3,833,137, 9-3-74, Cl. 214-170.000.
Mathews, Carl Fraser; Nield, Eric; Rose, John Brewster, and Vincent, Peter Incledon. Thermoplastic compositions. 3,816,563, 6-11-74, Cl. 260-876.00r.
Mathews, Clinton S., to De Laval Turbine California, Inc. Spark ignition system. 3,794,008, 2-26-74, Cl. 123-148.0ds.
Mathews, Dixie I. Apertured article and protective cover therefor. 3,848,281, 11-19-74, Cl. 5-337.000.
Mathews, Frederic M., to Honeywell Inc. Automatically releasable arrow holding device for a crossbow. 3,788,299, 1-29-74, Cl. 124-35.00r.
Mathews, Harold Charles, to Bell Telephone Laboratories, Incorporated. Network traffic control system. 3,796,837, 3-12-74, Cl. 179-18.0ea.
Mathews, James Robert, to Bell Telephone Laboratories, Incorporated. Color camera tube target having integral indexing structure. 3,786,321, 1-15-74, Cl. 317-235.00r.
Mathews, John A., to Eastman Kodak Company. Film unit. 3,832,182, 8-27-74, Cl. 96-76.00e.
Mathews, Max Vernon, to Bell Telephone Laboratories, Incorporated. Sound enhancing system for musical instruments. 3,819,861, 6-25-74, Cl. 179-1.00m.
Mathewson Corporation. *See*—
Redman, Howard E., 3,799,082.
Mathewson, Harald David. *See*—
Lyon, Henry; Mathewson, Harald David; Davidson, James Thomson, and Byrne, Stanley William, 3,805,682.
Mathewson, Theodore D.: *See*—
Buttke, Frederic P., and Mathewson, Theodore D., 3,857,453.
Mathewson, Wilfred P.: *See*—
Ingenito, Donald R.; Mathewson, Wilfred P.; Ryon, David M.; and Walmet, Gunnar E., 3,839,204.
Mathey, Francois. *See*—
Cousserans, Gilbert, Mathey, Francois, and Gryszkiewicz-Trouchimowski, Oleg, 3,786,155.
Mathias, Clifford L. Device for locating outlet boxes on studs. 3,821,839, 7-2-74, Cl. 29-203.00p.
Mathias, Donald L. Book holder and shield. 3,809,352, 5-7-74, Cl. 248-451.000.
Mathias, James J., and Holland, Robert L., to American Potato Company. Process for producing clusters of dehydrated potato agglomerates. 3,809,758, 5-7-74, Cl. 426-285.000.
Mathiesen, Nicolaus Per. Magnetic card filing equipment. 3,822,082, 7-2-74, Cl. 312-183.000.
Mathiesen, Odd, to International Standard Electric Corporation. Converter for gyro-compass digital display. 3,787,835, 1-22-74, Cl. 340-347.00y.
Mathieu, Pierre: *See*—
Thibault, Claude; and Mathieu, Pierre, 3,808,112.
Mathis, Cecil E.: *See*—
Fathauer, George H.; and Mathis, Cecil E., 3,821,651.
Mathis, Ronald D.: *See*—
Dix, James S.; and Mathis, Ronald D., 3,793,290.
Dix, James S.; Mathis, Ronald D.; and Underwood, John H., 3,821,142.
Dunn, Howard E.; and Mathis, Ronald D., 3,792,013.
Guillory, Jack P.; and Mathis, Ronald D., 3,839,311.
Guillory, Jack P.; and Mathis, Ronald D., 3,856,750.
Mathis, Ronald D.; and Dix, James S., to Phillips Petroleum Company. Polymers of 1-olefins protected against ultraviolet light. 3,786,021, 1-15-74, Cl. 260-45.75n.
Mathis, Ronald D.; and Dix, James S., to Phillips Petroleum Company. Char-forming, flame retardant polyolefin composition. 3,810,862, 5-14-74, Cl. 260-42.450.
Mathis, Ronald D., to Phillips Petroleum Company. Flame retardant polyolefin composition of improved color and melt stability. 3,821,141, 6-28-74, Cl. 260-23.00h.
Mathis, Ronald D., to Phillips Petroleum Company. UV stabilizing system for polymeric materials comprising phenyl benzoate and nickel or cobalt complexes of partially fluorinated beta diketone. 3,838,099, 9-24-74, Cl. 260-45.75n.
Mathis, Ronald D.; and Dix, James S., to Phillips Petroleum Company. Ultraviolet light stabilizer combinations for polymers. 3,843,595, 10-22-74, Cl. 260-45.00n.
Mathis, Ronald Dean, to Du Pont de Nemours, E. I., and Company. Polyurea fibers based on poly(4,4'-methylene-dicyclohexylene) urea. 3,857,819, 12-31-74, Cl. 260-77.5ch.
Mathis, Ronald J.: *See*—
Melton, Rosser B., Jr.; Clark, John M., Jr.; Mathis, Ronald J.; Weatherford, William D., Jr.; and Wood, Charles D., III, 3,801,346.
Mathis, Thomas C.: *See*—
Coaker, Anthony W. M.; Darby, Joseph R.; and Mathis, Thomas C., 3,841,890.
Coaker, Anthony W. M., Darby, Joseph R.; and Mathis, Thomas C., 3,841,955.
Mathis, Victor C.: *See*—
Stober, Leslie V., Jr.; and Mathis, Victor C., 3,791,036.
Mathisen, Einar S.; Moore, Robert L.; and Sheimer, Leonard S., to International Business Machines Corporation. Optical alignment method and apparatus. 3,796,497, 3-12-74, Cl. 356-152.000.
Mathisen, Henry A.: *See*—
Shelffo, Loren E.; and Mathisen, Henry A., 3,827,803.
Mathisen, Martin H., to Eaz-Lift Spring Corporation. Draw bar. 3,843,165, 10-22-74, Cl. 280-495.000.
Mathner, Hermann: *See*—
Schruff, Horst; Lehmann, Helmut; Siefen, Jakob; Mathner, Hermann, Adams, Willi, and Weib, Gunter, 3,821,047.
Mathou, Marcel. Beds with lateral sliding panels. 3,786,524, 1-22-74, Cl. 5-100.000.
Mathur, Radhey Mohan, to Canadian Patents and Development Limited. Electrical stepping motors having low inertia rotors. 3,783,313, 1-1-74, Cl. 310-49.000.
Mathys, Robert. Hip joint prosthesis. 3,781,917, 1-1-74, Cl. 3-1.000.
Mathys, Robert. Artificial joint socket. 3,781,918, 1-1-74, Cl. 3-1.000.
Mathys, Robert. Finger joint prothesis. 3,805,302, 4-23-74, Cl. 3-1.000.
Matier, Robert C., and Paul, Leon F., to General Motors Corporation. Dip casting method using transpirationally cooled mold cavity. 3,789,910, 2-5-74, Cl. 164-121.000.
Matier, William L., and Comer, William T., to Mead Johnson & Company. 5-Aryl-1,2,4-thiadiazine 1,1-dioxides and 5,6-dihydro-aryl-1,2,4-thiadiazine 1,1-dioxides. 3,855,218, 12-17-74, Cl. 260-243.00r.
Matier, William Lesley, and Timmey, William, to Mead Johnson & Company. 2-Amino-4-phenyl-2-imidazolines. 3,821,244, 6-28-74, Cl. 260-309.600.
Matisa Materiçl Industriel S.A.: *See*—
Buchter, Jean-Edouard; and Jaeggi, Hans-Peter, 3,811,382.
Matisoo, Juri: *See*—
Eldridge, Jerome Michael; and Matisoo, Juri, 3,816,173.
Matisoo, Juri, to International Business Machines Corporation. Gain in a Josephson junction. 3,803,459, 4-9-74, Cl. 317-234.00t.
Matisovich, Gunar: *See*—
Lavrinovich, Edvard Stanislavovich, Germane, Skaidrite Karlovna, Treigute, Ilze Edgarovna, and Matisovich, Gunar, 3,821,231.
Matkan, Josef, and O'Connor, Kevin Douglas, to Canon Kabushiki Kaisha, mesne. Electrostatic stylus recording with self-cleaning drum. 3,792,494, 2-12-74, Cl. 346-74 Oes.
Matkan, Josef, to Canon Kabushiki Kaisha, mesne. Recording of information in bit form. 3,818,492, 6-18-74, Cl. 346-74.00p.
Matkovich, Vlado I.: *See*—
Economy, James; and Matkovich, Vlado I., 3,825,469.
Matlack, Marvin L. Balloon and ball toy. 3,805,442, 4-23-74, Cl. 46-44.000.
Matlen, Abraham J.: *See*—
Orosy, David J.; and Matlen, Abraham J., 3,789,190.
Matles, Arthur L. Bone splint. 3,809,075, 5-7-74, Cl. 128-92.00a.

Matlik, August, to Brundell och Jonsson AB. Tree felling device. 3,854,510, 12u17-74, Cl. 144-34.00r.
Matluck, Meyer: *See*—
Barry, Richard H.; Matluck, Meyer; and Orshitzer, Philip, 3,829,563.
Matoba, Hajime: *See*—
Natsuda, Hisayuki; Mori, Hirohumi; and Matoba, Hajime, 3,852,227.
Matoba, Isao: *See*—
Goto, Isamu, Matoba, Isao; Kinoshita, Shigeo, Sadayori, Toshio, Shimizu, Yo; Goto, Tomomichi; and Takeuchi, Fumihiko, 3,802,936.
Matoba, Yousuke: *See*—
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Matolesy, Gyorgy: *See*—
Puklics, Maria; Guczoghy, Lajos; Matolesy, Gyorgy; and Bodnar, Janos, 3,819,609.
Matonak, Lawrence A.; and Huber, Richard A., to United States of America, Navy. Phase sensitive demodulator. 3,793,592, 2-19-74, Cl. 329-50.000.
Matono, Hirokuni: *See*—
Hatanaka, Yoshihiro; Matono, Hirokuni; and Kawazoe, Hidenori, 3,795,253.
Matossi, Dario: *See*—
Howard, Donald Kearey; Thomas, Brian Martin; Popplewell, Alan Francis; and Matossi, Dario, 3,810,824.
Matousek, Stephen, and Koch, Ulrich H., to Whitey Research Tool Co. Valve with sealing seat abutting a soft annular ring and stem. 3,831,900, 8-27-74, Cl. 251-122.000.
Matoushek, Ralph F., to Ralston Purina Company. Xanthophyllic extraction process. 3,783,099, 1-1-74, Cl. 195-2.000.
Matras, Earl L., Matras, Frank D., and Herad, Donald J., to Frabill Manufacturing Co. Basketball backboard and coal structure. 3,788,642, 1-29-74, Cl. 273-1.50r.
Matras, Edward J.: *See*—
Hampton, Quentin L., and Matras, Edward J., 3,828,933.
Matras, Edward J.; and Broling, Fred W., to FMC Corporation. Gas diffusing mechanism. 3,837,629, 9-24-74, Cl. 261-122.000.
Matras, Frank D.: *See*—
Matras, Earl L.; Matras, Frank D.; and Herad, Donald J., 3,788,642.
Matrick, Howard; and Zonker, David W., to Du Pont de Nemours, E. I., and Company. Pigment encapsulated with an acrylic interpolymer. 3,806,464, 4-23-74, Cl. 252-316.000.
Matrix Science Corporation: *See*—
Johnson, Lyle F., 3,808,580.
Matrosov, Evgeny Ivanovich: *See*—
Ryabinin, Vladimir Alexandrovich; Sadofiev, Vladimir Ivanovich; Milin, Igor Mikhailovich; Yankevich, Kira Boleslavovna; Matrosov, Evgeny Ivanovich, Leliovsky, Anton Ehxovich, Terra, Larl Romanovich; and Kashirin, Alexei Petrovich, 3,805,111.
Matschke, Arthur L.; and Horowitz, Jack W., to Tele Speed Communications, Inc. Matrix printer drive element. 3,836,880, 9-17-74, Cl. 335-274.000.
Matschke, Donald E.; Tenny, Alfred M.; and Gregersen, Jack K., 50% to Bauer Engineering, Inc. and 50% to Tenco Hydro/Aerosciences, Inc. Chromium extraction. 3,819,799, 6-25-74, Cl. 423-53.000.
Matskin, Leonid Arkadievich: *See*—
Torochkov, Ivan Mikhailovich; Kobulia, Georgy Samsonovich; Alexandrov, Adolf Martitsovich; Suladze, Ippolit Davidovich; Matskin, Leonid Arkadievich, Gambashidze, Zurab Dmitrievich, Balayan, Ruben Dzhangirovich, Tsimbler, Jury Abramovich, Kakhniashvili, Avtndil Semenovich, and Aglitsky, Vladimir Efimovich, 3,829,042.
Matsko, John, to United States of America, Atomic Energy Commission. Process of making low density syntactic foams. 3,849,350, 11-19-74, Cl. 260-2.50b.
Matsko, Joseph J., Hill, Robert H., and Lange, Emroy W., to Westinghouse Electric Corporation. Circuit interrupter protective device. 3,821,607, 6-28-74, Cl. 317-33.00r.
Matson, Carl G., to Martin Engineering Company. Quick-Release aerator for introducing high pressure air into a container to facilitate dispensing. 3,788,527, 1-29-74, Cl. 222-195.000.
Matson, Carl G., to Martin Engineering Company. Automatic air clamp for air-driven machine. 3,804,375, 4-16-74, Cl. 259-1.00r.
Matson, Carl G. Machine for vibrating, leveling and screeding concrete in a form. 3,817,644, 6-18-74, Cl. 404-114.000.
Matson, Carl G., to Martin Engineering Company. Rotary vibrator and mount therefor. 3,822,054, 7-2-74, Cl. 259-1.00r.
Matson, Carl G. Fluid-pressurizable clamp for mounting vibrators and the like. 3,840,095, 10-8-74, Cl. 188-67.000.
Matson, Charles Bernard, to Cincinnati, Milacron Inc. Wedge flow coolant nozzle for grinding machine. 3,834,088, 9-10-74, Cl. 51-267.000.
Matson, Louis R. Breathing sensor. 3,817,238, 6-18-74, Cl. 128-2.00r.
Matson, Merkham J.: *See*—
Curtz, William C.; and Matson, Merkham J., 3,812,724.
Matson, Wayne R., to Environmental Sciences Associates, Inc. Electrode for anodic stripping voltammetry. 3,855,099, 12-17-74, Cl. 204-195.00f.
Matsubara, Izuru: *See*—
Mori, Takahisa; and Matsubara, Izuru, 3,835,989.
Matsubara, Masaki, to Olympus Optical Co., Ltd. Accurate lens systems for producing an extremely small image in a reduced scale. 3,804,493, 4;16-74, Cl. 350-214.000.
Matsubara, Masaki, to Olympus Optical Co., Ltd. Microscope objective. 3,822,931, 7-9-74, Cl. 350-215.000.
Matsubara, Masaki, to Olympus Optical Co., Ltd. Super-wide-angle lens systems for photographic cameras. 3,830,559, 8-20-74, Cl. 350-214.000.
Matsubara, Mitsuteru: *See*—
Tsujihata, Keiji, Sawada, Yasuhiro, Ishikawa, Yasushi, Matsubara, Mitsuteru, and Iwata, Minoru, 3,816,096.
Matsubara, Munco: *See*—
Fujimori, Makoto, Yoshii, Hiroshi, Kusakabe, Noboru, Matsubara, Munco; Ito, Masaru, and Baba, Yutaka, 3,842,034.
Matsubara, Sueo: *See*—
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Matsubara, Takashi: *See*—
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Matsubishi Chemical Industries, Ltd.: *See*—
Fukutani, Hideo; and Miura, Konoe, 3,817,876.
Matsubishi Denki Kabushiki Kaisha: *See*—
Saita, Toshikazu, 3,791,356.
Matsubs, Mutsuhide; Ogiso, Mitsutoshi, and Yazaki, Mutsunobu, to Canon Kabushiki Kaisha. Camera provided with a device for automatically photographing dates of photographing. 3,812,508, 5-21-74, Cl. 354-106.000.
Matsuda, Isamu: *See*—
Katagiri, Toshio, Suga, Tokuji, Omiya, Shoji, and Matsuda, Isamu, 3,792,335.
Katagiri, Toshio, Suga, Tokuji, Omiya, Shoji, and Matsuda, Isamu, 3,797,030.
Matsuda, Kazuo, Tanaka, Yoshiaki; and Aritaki, Hirakazu, to Kao Soap Co., Ltd. Aqueous dispersion of epichlorhyrin modified polyurethane prepolymer polyamine product. 3,836,493, 9-17-74, Cl. 260-29.2tn.
Matsuda, Ken: *See*—
Brownlee, Thomas Harland, and Matsuda, Ken, 3,794,512.
Matsuda, Mitsuhiro: *See*—
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Matsuda, Motonobu: *See*—
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Tsujimoto, Kayoshi, Yata, Kotaro, and Matsuda, Motonobu, 3,783,758.
Yata, Kotaro, and Matsuda, Motonobu, 3,846,806.
Matsuda, Motonobu, to Minolta Camera Kabushiki Kaisha. Electrical shutter. 3,798,664, 3-19-74, Cl. 354-51.000.
Matsuda, Mutsuhide: *See*—
Mashimo, Yukio, Yazaki, Mutsunobu, and Matsuda, Mutsuhide, 3,792,647.
Sorimachi, Kanehiro, and Matsuda, Mutsuhide, 3,797,029.
Matsuda, Shigeo; and Obara, Nasoshi, to Modern Electronic Instrument Corporation. Alarm apparatus utilizing high frequency. 3,852,735, 12-3-74, Cl. 340-258.00e.
Matsuda, Terumi: *See*—
Naito, Hisao; Nakabayashi, Kiyoshi, and Matsuda, Terumi, 3,843,006.
Matsuda, Teruo: *See*—
Takagi, Kazumi; Matsuda, Teruo, and Murakami, Masahiro, 3,793,390.
Matsuda, Yasuhisa, Amemiya, Kinya, Monma, Masao, Endo, Koichi, and Nitanda, Hiroshi, to Konishiroku Photo Industry Co., Ltd. Electrophotographic copying system. 3,792,924, 2-19-74, Cl. 355-3.000.
Matsuda, Yoshio: *See*—
Terada, Fumio, Matsuda, Yoshio, and Yamaguchi, Yoshiharu, 3,848,556.
Matsuda, Youichi, Suzuki, Hiroshi, Shito, Nobuhiko, and Saito, Yosushi, to Hitachi, Ltd. High resistance resistor device for DC high voltage circuits. 3,813,631, 5-28-74, Cl. 338-320.000.
Matsudo, Kazuo: *See*—
Kubotera, Haruo, Hashimoto, Yukio, Ohkubo, Masuta, Gonda, Hisashi, Tanaka, Nobuo, Matsudo, Kazuo, and Shimomura, Takayoshi, 3,821,031.
Matsue, Shigeki, to Nippon Electric Company, Limited. Memory control circuit. 3,832,699, 8-27-74, Cl. 340-173.0dr.
Matsueda, Rei: *See*—
Mukaiyama, Teruaki, Ueki, Masaaki, Matsueda, Rei, and Maruyama, Hiroshi, 3,830,794.
Matsufuji, Akira: *See*—
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Matsufuji, Akira; Kishikawa, Kanichi; Sasaki, Yasuto; Miyaji, Susumu, and Tutui, Fumihiro, to Nippon Steel Corporation. Three roll type shape steel rolling mill. 3,813,912, 6-4-74, Cl. 72-224.000.
Matsuhisa, Koh. *See*—
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Matsuhisa, Koh, to Ricoh Co., Ltd. Typewriter. 3,833,107, 9-3-74, Cl. 197-18.000.
Matsuhisa, Koh, to Ricoh Co., Ltd. Platen mechanism in which angular position of each of a plurality of platen members disposed coaxially may be adjusted independently of others. 3,847,261, 11-12-74, Cl. 197-129.000.
Matsuhisa, Tsuneyasu; and Nagai, Yoshiaki, to Fuji Photo Film Co., Ltd. Process for producing a resin-coated paper as a support for a photographic paper. 3,783,003, 1-1-74, Cl. 117-76.00p.
Matsui, Akio; Hasegawa, Yuji; and Fujimoto, Hiroshi, to Kawasaki Jukogyo Kabushiki Kaisha. Mixture for making a mold. 3,849,356, 11-19-74, Cl. 260-29.300.
Matsui, Atsuro: *See*—
Ichiki, Eiichi; Iida, Kazuo; Matsui, Atsuro; and Kadokura, Hidekimi, 3,786,080.
Matsui, Atsushi. Graduator for surveying purposes. 3,803,721, 4-16-74, Cl. 33-283.000.
Matsui, Fumio: *See*—
Inoue, Kazuhiro; Kito, Kazutoshi; and Matsui, Fumio, 3,793,098.
Matsui, Hiroshi: *See*—
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Matsui, Junichi: *See*—
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Matz, Bjorn J., to Dictaphone Corporation. Farthest advance circuit for a remote station dictating system, 3,823,274, 7-9-74, Cl. 179-100.1dr.

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Mauritz, Frank A. Door locking apparatus, 3,801,145, 4-2-74, Cl. 292-184.000.

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Mauron, Gerard, to Automobiles Peugeot and Regie Nationale des Usines Renault. Sliding roof, 3,806,186, 4-23-74, Cl. 296-137.00g.

Maursey, Ethan K. Micro drill and method of construction 3,790,297, 2-5-74, Cl. 408-240.000

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Bailey, Cecil, Frederick, Oscar C., and Maurya, Ramamurat R., 3,794,807.
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Mauser-Werke Aktiengesellschaft: *See—*
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Mausner, Marvin L.; and Dater, Arnold H., to Witco Chemical Corporation. Liquid detergent compositions. 3,856,711, 12-24-74, Cl. 252-545.000.

Maust, Daniel A.: *See—*
Drappeu, Robert E.; Gould, Hughjean Burton; and Maust, Daniel A., 3,789,454.

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Mauvernay, Roland Yves; Busch, Norbert; Simond, Jacques; and Moleyre, Jacques, to Centre Europeen de Recherches Mauvernay C.E.R.M. 3-Alkoxy- or 3-aryloxy-2-(diaryl-hydroxy)-methyl-propylamines. 3,818,000, 6-18-74, Cl. 260-247.70c.

Mauvernay, Roland Yves, to Centre Europeen de Recherches Mauvernay C.E.R.M. Monohydrated papaverine adenosine-5'-monophosphate medicament for treatment of cardiovascular disorders. 3,823,234, 7-9-74, Cl. 424-180.000.

Mauvernay, Roland Yves; Busch, Norbert; Monteil, Andre; Simond, Jacques; and Moleyre, Jacques, to Societe Anonyme Centre Europeen de Recherches Mauvernay. 3-2(2-Oxo-2-phenylethyl) quinuclidines and process therefor. 3,857,848, 12-31-74, Cl. 260-293.530.

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Mauws, Lawrence J., to Roll-O-Flex 1970 Ltd. Suspension system for endless track vehicle. 3,792,743, 2-19-74, Cl. 180-5.00r.

Mauyama, Takashi: *See—*
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Maver, William J.; and Rosati, David E., to United Aircraft Corporation. Battery peaking unit for fuel cell power plants. 3,821,626, 6-28-74, Cl. 320-3.000.

Maverick Industries, Incorporated: *See—*
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Mavroudis, Eugene: *See—*
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Mavrovic, Ivo. Pulsation dampener for high pressure carbamate recycle pump and method of operation thereof. 3,804,555, 4-16-74, Cl. 417-53.000.

Mavrovic, Ivo. Urea synthesis. 3,808,271, 4-30-74, Cl. 260-555.00a.

Mavrovic, Ivo. Apparatus for prilling urea. 3,819,310, 6-25-74, Cl. 425-6.000.

Mavrovic, Ivo. Recovery of residual ammonia from weak aqueous solutions thereof. 3,826,815, 7-30-74, Cl. 423-356.000.

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Mawatari, Toshihiro; Kunugi, Takashi; Harada, Masanori; and Sasaki, Kenichi, to Nissan Motor Company, Limited. Failure warning device for exhaust gas recirculation system. 3,850,151, 11-26-74, Cl. 123-119.00a.

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Mawhinney, Robert C., to MB Associates. Lethal expandible projectile. 3,815,502, 6-11-74, Cl. 102-42.00c.

Mawhinney, Robert C.; Lamp, Edward F.; and Mulich, Stephen F., Jr., to MB Associates. Cartridge. 3,834,311, 9-10-74, Cl. 102-41.000.

Max, Basel: *See—*
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Max, Jacques; and Kofman, Wlodzimierz, to Commissariat a l'Energie Atomique. Device for estimating the value of the ambiguity function. 3,827,629, 8-6-74, Cl. 235-150.530.

Max-Coater Co., Ltd.: *See—*
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Maxam, Allen B. Model vehicle wheel structure. 3,817,581, 6-18-74, Cl. 301-6.00r.

Maxeiner, Gottfried; and Muhr, Heinrich, to Ehrenreich, A. & Cie. Elastic ball-joint. 3,820,908, 6-28-74, Cl. 403-133.000.

Maxey, Edwin M.: *See—*
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Maxey, Frank S., to Goodyear Tire & Rubber Company, The. Vulcanization system containing a three-component accelerator system. 3,852,250, 12-3-74, Cl. 260-79.50b.

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Maxey, Frank S., to Goodyear Tire & Rubber Company, The. Sulfur vulcanization system containing a two-component accelerator system. 3,856,761, 12-24-74, Cl. 260-79.50b.

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Maxey, Joel W., to Ford Motor Company. Expandable shaft key. 3,841,774, 10-15-74, Cl. 403-358.000.

Maxey, Joel W., to Ford Motor Company. Expandable hub locking assembly. 3,849,014, 11-19-74, Cl. 403-370.000.

Maxey, Loren R. Snow handling apparatus. 3,783,949, 1-8-74, Cl. 172-133.000.

Maxfield, Thomas Gerald: *See—*
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Maxie, Lee. Ant poison distributing apparatus. 3,782,606, 1-1-74, Cl. 222-244.000.

Maximov, Alexandr Stepanovich; and Abbyasov, Zinjur. Device for differentiating and integrating electrical voltages. 3,808,461, 4-30-74, Cl. 307-229.000.

Maximov, Mikhail Grigorievich: *See—*
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Maxion, Emil J.; and Foglia, Andrew J., to Mobil Oil Corporation. Solid phase polymerization of strain hardened polyesters. 3,840,632, 10-8-74, Cl. 264-130.000.

Maxitrol Company: *See—*
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Maxium Security Systems International, Inc.: *See—*
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Maxson Corporation, The: *See—*
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Maxson Electronics Corporation: *See—*
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Maxson, Orwin G.; and Achenbach, Gary D., to Continental Oil Company. Method for insulating a borehole. 3,851,704, 12-3-74, Cl. 166-292.000.

Maxted, Wesley R.: *See—*
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Maxwell, Billy D.: *See—*
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Maxwell, Bryce. Apparatus for feeding elastic melt extruders. 3,790,328, 2-5-74, Cl. 425-381.200.

Maxwell, Bryce. Injection molding machine with a rotary plunger and rod mixing and working chamber. 3,844,699, 10-29-74, Cl. 425-207.000.

Maxwell, David A.: *See—*

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Maxwell, Donald Robert: *See—*
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Maxwell, James F. Dictionary index. 3,820,824, 6-28-74, Cl. 283-36.000.

Maxwell, John Augustus; and Merrill, Michael Wallace, to Keir-McGee Chemical Corporation. Method of roasting vanadium bearing materials. 3,792,150, 2-12-74, Cl. 423-68.000.

Maxwell Laboratories, Inc.: *See—*
Anderson, Robert L.; and Stine, Robert Darrell, Jr., 3,832,569.

Maxwell, Neil J. Anchor for holding a fish while working on the same. 3,790,988, 2-12-74, Cl. 17-18.000.

Maxwell, Richard D. Rotary impact dril. 3,837,410, 9-24-74, Cl. 173-109.000.

Maxwell, Richard F., Jr.; Coyle, Forrest E.; and Gillespie, George W., to Westinghouse Electric Corporation. Pressure actuatable switch apparatus with bellows and fluid damping means. 3,852,546, 12-3-74, Cl. 200-83.00c.

May & Baker Limited: *See—*
Amin, Shirish Chamdubhai; Jones, David Henry; and Maxwell, Donald Robert, 3,857,943.
Broad, David Rex; Hatton, Leslie Roy; and Parnell, Edgar William, 3,828,001.
Broughton, Barbara Joyce; Large, Bryan John; Marshall, Stuart Malcolm; Pain, David Lord; and Wooldridge, Kenneth Robert Harry, 3,819,631.
Carpenter, Keith; Heywood, Basil Jason; Parnell, Edgar William; Metivier, Jean; and Boesch, Roger, 3,823,008.
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Clark, David William Harold, 3,833,394.
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May, Adolf: *See—*
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May, Charles E.: *See—*
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May, Czeslaw J.: *See—*
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May, Dale S. Model and support stand therefor. 3,818,630, 6-25-74, Cl. 46-131.000.

May, Denis Ronald William, to Hanger, J. E., and Company Limited. Artificial leg with stable link-type knee joint. 3,823,424, 7-16-74, Cl. 3-22.000.

May, Douglas C.: *See—*
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May, Edwin A.: *See—*
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May, Edwin A.; and Wilks, Geoffrey W., to International Paper Company. Catheter advance with clutch. 3,838,688, 10-1-74, Cl. 128-214.400.

May, Edwin Richard Wells, to National Research Development Corporation. Production of silicon nitride material components. 3,819,786, 6-25-74, Cl. 264-63.000.

May, Erhard Thaddaus, to Ott, A. Device for holding a spindle for drawing-off of a yarn. 3,834,647, 9-10-74, Cl. 242-130.200.

May, Erhard Thaddaus, to Olt, A., Firma. Reversing cam drum for quick traverse winder and traveller for said reversing cam drum. 3,854,343, 12-17-74, Cl. 74-57.000.

May, Francis A., to Consolidation Coal Company. Cable splice apparatus. 3,783,487, 1-8-74, Cl. 29-203.00d.

May, Geoffrey Eric: *See—*
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May, Joe T.: *See—*
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May, John E.: *See—*
Suratwala, Jugmohan R.; May, John E.; and Allen, Billy R., 3,796,661.

May, John E., to General Electric Company. Method of making varistar with passivating coating. 3,857,174, 12-31-74, Cl. 29-621.000.

May, John E., Jr.: *See—*
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May, John J. Digital system for controlling traffic signals. 3,784,971, 1-8-74, Cl. 340-40.000.

May, Joseph N.: *See—*
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May, Kenneth J.: *See—*
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May, Marvin I. Water bed frame. 3,838,470, 10-1-74, Cl. 5-348.0wb.

May, Michael Exton. Tablet of a chlorine releasing solid compound. 3,856,932, 12-24-74, Cl. 424-16.000.

May, Michael G. Membrane-type fuel injection pump operated and controlled by fluid pressure. 3,805,758, 4-23-74, Cl. 123-139.0aj.

May, Nathan C.: *See—*
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May, Oswald, to Klockner-Humboldt-Deutz Aktiengesellschaft. Transmission overdrive shifted by clutch release. 3,783,985, 1-8-74, Cl. 192-3.500.

May, Paul Hillard, to Bell Telephone Laboratories, Incorporated. Gated dividing circuit with reduced time variation between gating and an output signal. 3,789,304, 1-29-74, Cl. 328-41.000.

May, Paul L.; and Poe, Richard J., to Baldwin Electronics, Inc. Photoelectric encoder assembly. 3,815,125, 6-4-74, Cl. 340-347.00p.

May, Paul S.: *See—*
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May, Peter John: *See—*
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May, Richard L. Apparatus for developing fingerprints. 3,844,250, 10-29-74, Cl. 118-31.500.

May, Richard W. Machine mount apparatus and method for limiting motion of a heavy machine. 3,815,852, 6-11-74, Cl. 248-24.000.

May, Vernon Bruce: *See—*
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May, Walter John: *See—*
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May, William J.: *See—*
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May, William Peter, to Firestone Tire & Rubber Company, The. Plastisol process. 3,795,649, 3-5-74, Cl. 260-31.80r

Mayadas, Ashok F.: *See—*
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Mayak, Andrew N.: *See—*
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Mayashi, Masayuki, to Mitsubishi Jukogyo Kabushiki Kaisha. Pressure testing apparatus for bottles. 3,805,594, 4-23-74, Cl. 73-49.200.

Mayaud, Edith Ellen; and Pearlman, Samuel, to RCA Corporation. Method for printing negative tolerance matrix screen structure for a cathode-ray tube. 3,788,846, 1-29-74, Cl. 96-36.000.

Mayberry, Leonard A. Electromagnetic transducer for sensing movement of a thread-like object past a predetermined point 3,825,818, 7-23-74, Cl. 324-34.00r.

Mayberry, Mickey Lee, and Tucci, John James, to AMP Incorporated. Hand tool for inserting conductors to terminals. 3,838,491, 10-1-74, Cl. 29-203.00b.

Mayberry, Mickey Lee, to AMP Incorporated. Cable clamp 3,845,523, 11-5-74, Cl. 24-134.00p.

Maydowski, Reinhard: *See—*
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Mayea, Lawrence E., to Arkey Packaging Corporation. Paperboard container having a three-dimensional curve handle. 3,799,424, 3-26-74, Cl. 229-16.00r.

Mayer & Cie: *See—*
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Mayer, Cornelius; and Burkhart, Rolf, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Armored vehicle with a laterally alignable mortar. 3,818,794, 6-25-74, Cl. 89-40.00a.

Mayer, Cornelius, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Sabot projectile. 3,845,922, 11-5-74, Cl. 244-3.280.

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Mayer, Ehrhard; and Steigenberger, Michael, to Feodor Burgmann, Jr., Firma. Cooled mechanical seal. 3,843,140, 10-22-74, Cl. 277-67.000.

Mayer, Ferdy, 50% to Laboratoire d'Electronique et d'Automatique Dauphinois, L.E.A.D. Capacitance/inductance distance measurement device. 3,815,020, 6-4-74, Cl. 324-61.00r

Mayer, Frank, & Associates, Inc.: *See—*

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Mayer, Friedrich, to Allgemeine Industrie Commerz. Device for producing a series of electrical pulses, whose frequency is proportional to the speed of rotation of the wheel of a motor vehicle. 3,848,878, 11-19-74, Cl. 277-25.000.

Mayer, Fritz, to Freudenberg, Carl. Covering for rolls of textile machines. 3,827,120, 8-6-74, Cl. 29-129.000.

Mayer, Georg. Potting and repotting machine. 3,842,533, 10-22-74, Cl. 47-1.000.

Mayer, Guy; and Wendt, Georg. Tube arrangement for recording ultra-high speed variations in high intensity light and method of operating the same. 3,796,901, 3-12-74, Cl. 313-65.00r.

Mayer, Hans; Schroder, Heinz; and Schuektanz, Gerhard, to Siemens Aktiengesellschaft. Flow distributor for a steam generator. 3,841,272, 10-15-74, Cl. 122-32.000.

Mayer, Hans; Schroder, Heinz-Jurgen; and Schuektanz, Gerhard, to Siemens Aktiengesellschaft. Steam generator. 3,854,453, 12-17-74, Cl. 122-32.000.

Mayer, Hartmut, to Bosch, Robert, G.m.b.H. Apparatus to control the air-fuel mixture supplied to internal combustion engines. 3,855,974, 12-24-74, Cl. 123-320.00a.

Mayer, Heinz: *See—*
Oelmayer, Reinhold; Seelos, Albert; Seitz, Helmut; Mayer, Heinz; Duell, Joseph; Hertl, Wilhelm; and Hoch, Hans-Jorg, 3,823,257.

Mayer, Ivan; Siskin, Michael; and Otchy, Thomas G., to Esso Research and Engineering Company. Removal of a metal pentafluoride from hydrocarbons. 3,830,871, 8-20-74, Cl. 260-683.680.

Mayer, James F.; and Raimondi, Victor V., to Standard Oil Company. Flexible polyester based sealing composition. 3,849,367, 11-19-74, Cl. 260-40.00r.

Mayer, Jerome F.: *See—*
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Mayer, Johann: *See—*
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Mayer, Karl: *See—*
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Mayer, Karl; and Branscheid, Werner. Gear wheel pump with feed passage of constant hydraulic cross section. 3,817,668, 6-18-74, Cl. 418-206.000.

Mayer, Karl, Textilmaschinenfabrik GmbH: *See—*
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Mayer, Klaus K. Repeater gun, especially rifle. 3,849,925, 11-26-74, Cl. 42-75.00b.

Mayer, Kurt, to Montomwerke Walter GmbH, Firma. Milling tool assembly. 3,805,351, 4-23-74, Cl. 29-105.00r.

Mayer, Manfred; and Maydowski, Reinhard, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Winding tube changing mechanisms. 3,811,631, 5-21-74, Cl. 242-18.00r.

Mayer, Marion S.: *See—*
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Mayer, Mayer, Jr.; Kotter, James L.; Salaun, Harold L., Jr.; and Brown, Roger S., to United States of America, Agriculture. Process for producing core yarn. 3,835,638, 9-17-74, Cl. 57-144.000.

Mayer, Michael Dainis, to Celanese Corporation. Flame retardant fiber blend. 3,852,947, 12-10-74, Cl. 57-140.00y.

Mayer, Nathan; and Sorrentino, Anthony P. Needle thread monitor to avoid runout of bobbin thread. 3,832,960, 9-3-74, Cl. 112-219.00r.

Mayer, Norbert Adolf; and Moll, Gerhard. Facsimile transmission system. 3,798,358, 3-19-74, Cl. 178-5.600.

Mayer, Oscar, & Co. Inc.: *See—*
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Mayer, Otto. Lockable hinge joint. 3,849,834, 11-26-74, Cl. 16-145.000.

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Mayer, Ronn H., to Unitec, Inc. Ionization detector apparatus. 3,842,309, 10-15-74, Cl. 340-228.100.

Mayer, Rudolf: *See—*
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Mayer, Simon Ernest. Polyurethane compositions extended with low aromatic hydrocarbon oils. 3,846,355, 11-5-74, Cl. 260-18.0tn.

Mayer, Udo: *See—*
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Mayer, Vita & C. gia F. lli Vita S.a.s.: *See—*
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Mayer, William N.; Strom, Richard A.; and Ulstad, Meredith S., to Control Data Corporation. Capacitive memory gas discharge display device having internal conductors. 3,790,849, 2-5-74, Cl. 315-169.0tv.

Mayer-Mader, Rudolf: *See—*
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Mayfield, Robert W., and Mayfield, Lawrence T. Fuel oil burner lead control mechanism. 3,788,797, 1-29-74, Cl. 431-186.000.

Mayfield, Susan. Puzzle for psychological testing. 3,811,203, 5-21-74, Cl. 35-22.00r.

Mayfran Incorporated: *See—*
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Mayhew, Harry E., Jr.; and Schlegel, William R., to All American Industries, Inc. Covered cross runway channel for aircraft arresting system. 3,807,669, 4-30-74, Cl. 244-110.00c.

Mayhew, John T., to National Steel Corporation. Continuous metallic strip hot-dip metal coating apparatus. 3,808,033, 4-30-74, Cl. 117-102.00m.

Mayhew, Roger D., to FMC Corporation. Hood pivot for detachably connecting a tractor hood to a tractor frame. 3,815,701, 6-11-74, Cl. 180-69.00c.

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Mayle, Louis F., to Magnavox Company, The. Search tune detector circuit. 3,825,838, 7-23-74, Cl. 325-470.000.

Mayle, Louis F., to Magnavox Company, The. Automatic TV shut-off device responsive to absence of sync signal. 3,843,929, 10-22-74, Cl. 325-392.000.

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Maynard, David Payne: *See—*
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Maynard, F. Charles, Jr.: *See—*
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Maynard, Fred B., to Motorola, Inc. Electronic musical instrument. 3,821,460, 6-28-74, Cl. 84-1.170.

Maynard, John F., to Magna-Matic Systems, Inc. Magnetically controlled non-synchronous conveyor system. 3,785,475, 1-15-74, Cl. 198-41.000.

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Mayne, David L. Hockey puck shooting machine. 3,822,688, 7-9-74, Cl. 124-6.000.

Mayne, David R., to Datamation Communications, Inc. Mailing device. 3,843,042, 10-22-74, Cl. 229-73.000.

Mayne, David W.; and Jennings, Alan K., to Peripheral Business Equipment, Inc. Input data preparation system. 3,803,555, 4-9-74, Cl. 340-172.500.

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Mayne, William Harry; and Crump, Thomas R., to Petty Geophysical Engineering Company. Skip-spread method for seismic surveying. 3,790,929, 2-5-74, Cl. 340-15.5mc.

Mayo, Howard A., Jr., to Allis-Chalmers Corporation. Axial flow hydraulic turbine generator installation. 3,785,747, 1-15-74, Cl. 415-33.000.

Mayo, John H. Therapeutic exercise skate. 3,802,700, 4-9-74, Cl. 272-57.00d.

Mayo, Ralph E.: *See—*
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Mayr, Bertold; Henning, Richard; and Schweiger, Erwin, to Bayerische Motoren Werke A.G. Cooling installation for piston internal combustion engines. 3,851,629, 12-3-74, Cl. 123-41.080.

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Mayr, Helmut; Huber, Theodor; and Pelje, Richard, to Agfa-Gevaert Aktiengesellschaft. Automatic film transport stopping arrangement in a motion picture camera. 3,792,920, 2-19-74, Cl. 352-91.000.

Mayr, Helmut; Pelte, Richard; and Huber, Theodor, to Agfa-Gevaert Aktiengesellschaft. Arrangement for decreasing the ready time in a motion picture camera. 3,799,661, 3-26-74, Cl. 352-141.000.

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Mayr, Hubert: *See—*
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Mays, Alfred Thomas, to Johnson & Johnson. Methods of recovering waste cellulosic fibers. 3,801,273, 4-2-74, Cl. 8-141.000.

Mays, David W.: *See—*
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Mays, Hal N. Reducing valve for high pressure fluids and connecting means therefor. 3,791,412, 2-12-74, Cl. 137-614.110.

Mays, John D.; and McClannan, Jack L., to Standard Register Company, The. Coating composition for optical projection. 3,849,170, 11-19-74, Cl. 117-36.300.

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Mazalas, Anthony P., to Sound Technology, Inc. Multichannel remote control system. 3,831,175, 8-20-74, Cl. 343-228.000.

Mazdiyasni, Khodabakhsh S., to United States of America, Air Force. Preparation of ultrahigh purity anhydrous alkali metal halide powders. 3,839,546, 10-1-74, Cl. 423-499.000.

Maze, Perry V. Gate latch. 3,806,172, 4-23-74, Cl. 292-44.000

Mazel, Carlman. Key for master chain link. 3,854,282, 12-17-74, Cl. 57-7.000.

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Mazepa, Robert, to Rockwell International Corporation. Power tool 3,827,510, 8-6-74, Cl. 173-163.000.

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Mazur, Robert H.; Schlatter, James M.; and Goldkamp, Arthur H., to Searle, G. D., & Co. 3-Amino-N-substituted succinamic acids and intermediates thereto. 3,803,223, 4-9-74, Cl. 260-534.00r.

Mazur, Robert H., and Schlatter, James M., to Searle, G. D., & Co. Alkyl esters of aspartyl aliphatic amino acid dipeptides. 3,853,835, 12-10-74, Cl. 260-112.500.

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Mazza, Lamberto, to Industrie A. Zanussi S.p.A. Device for the automatic balancing of washing and drying machines. 3,799,348, 3-26-74, Cl. 210-144.000.
Mazza, Lamberto, to Industrie A. Zanussi S.p.A. Positioning device for the pick-up arm of a record player. 3,799,558, 3-26-74, Cl. 274-13.00r.
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Mazza, Lamberto, to Industrie A. Zanussi S.p.A. Removable air conditioning unit for cooling rooms. 3,807,191, 4-30-74, Cl. 62-186.000.
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Mc Cabe, William C. Automated spectrophotometer apparatus and computer system for simultaneous measurement of a plurality of kinetic reactions. 3,847,486, 11-12-74, Cl. 356-205.000.
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Mc Laughlin, Michael H.; Walmet, Gunnar E.; and Corman, James C., to General Electric Company. Double-sided heat-pipe cooled power semiconductor device assembly using compression rods. 3,826,957, 7-30-74, Cl. 317-234.00r.
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McAlister, Craig L. Protector for electric circuits. 3,805,208, 4-16-74, Cl. 337-228.000.
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McAlister, Roy E. Vapor pressurized hydrostatic drive. 3,830,065, 8-20-74, Cl. 60-670.000.
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McAllister, Owen E., to Combustion Engineering, Inc. Threshold weatherstrip. 3,854,246, 12-17-74, Cl. 49-470.000.
McAllister, Robert L., to American Air Filter Company, Inc. Pleated filter assembly. 3,793,813, 2-26-74, Cl. 55-481.000.
McAllister, Robert L., to American Air Filter Company, Inc. Fluid tight seal for fluid treating filter. 3,834,134, 9-10-74, Cl. 55-378.000.
McAlpin, Courtenay W.: *See—*
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McAlpine, Charles H., to Mac Engineering & Equipment Co., Inc. Drying oven for lead battery plates. 3,813,214, 5-28-74, Cl. 432-144.000.
McAlpine, Charles H., to Mac Engineering & Equipment Co., Inc. Method of drying battery plates. 3,838,526, 10-1-74, Cl. 34-17.000.
McAlpine, Ian; and Clough, David John, to Magnesium Elektron Limited. Thixotropic aqueous dispersions of polymers and copolymers derived from ethylenically unsaturated monomers. 3,810,852, 5-14-74, Cl. 260-17.00r.
McAlpine, James Bruce: *See—*
Jones, Peter Hadley; Martin, Jerry Roy; McAlpine, James Bruce; Pauvlik, Jeanne Marie; and Tadanier, John Soloman, 3,842,069.
McAmis, Kenneth Wayne; Brewton, Lee K.; and Gentry, Bobby C., to Southwire Company. High speed tandem wire drawing and insulation system. 3,852,875, 12-10-74, Cl. 29-527.400.
McAnally, Raymond H.: *See—*
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McAnespie, Donald; and Laliberte, Robert Justin; deceased (by Laliberte, Carolyn Doris; executrix), to Midland-Ross Corporation. Web stabilizing device. 3,813,019, 5-28-74, Cl. 226-97.000.
McAnespie, Donald, to Midland-Ross Corporation. Apparatus for eliminating water vapor from processed air. 3,833,205, 9-3-74, Cl. 261-133.000.
McAninch, Herbert A.; and Mieras, Spencer H., to Borg-Warner Corporation. Differential mechanism. 3,815,442, 6-11-74, Cl. 74-711.000.
McAninch, Herbert A.; and Mieras, Spencer H., to Borg-Warner Corporation. Differential mechanism. 3,815,443, 6-11-74, Cl. 74-711.000.
McArdle, Gordon D., to American Metal Climax, Inc. Thermally ignitable zirconium-plastic composition. 3,830,671, 8-20-74, Cl. 149-2.000.
McArthur, Colin S., to Reynolds, R. J., Tobacco Company. Apparatus for electrically perforating sheet material. 3,783,237, 1-1-74, Cl. 219-384.000.
McArthur, Dennis P., to Union Oil Company of California. Aluminum borate catalyst compositions. 3,856,702, 12-24-74, Cl. 252-432.000.
McArthur, Dennis P., to Union Oil Company of California. Aluminum borate catalyst compositions. 3,856,705, 12-24-74, Cl. 252-432.000.
McArthur, Ralph F.: *See—*
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McArthur, Ralph F.; Geurts, Melle F.; and Kelleher, John M., to Kobe, Inc. Tubing stinger with hold down ring. 3,825,285, 7-23-74, Cl. 285-27.000.
McArthur, Ralph F.; and Geurts, Melle F., to Kobe, Inc. Fluid operated pump with opposed pistons and valve in middle. 3,849,030, 11-19-74, Cl. 417-393.000.
McAshan, Robert Burton, Jr. Ice distribution and level control. 3,810,386, 5-14-74, Cl. 62-137.000.
McAuley, Charles Strouse: *See—*
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Fainman, Morton; and McAuley, Charles Strouse, 3,835,035.
McAuley, James H., to McAuley Manufacturing, Inc. Flexible material conveying chain of interlocking identical wire links. 3,822,779, 7-9-74, Cl. 198-168.000.
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McAuliffe, Gerald Kevin: *See—*
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McAusland, Robert R., to Anderson & Thompson Ski Co., Inc. Safety binding. 3,797,841, 3-19-74, Cl. 270-11.35r.
McAusland, Robert R.; and Powell, John M., to Anderson & Thompson Ski Co., Inc. Method of foaming ski boots. 3,834,044, 9-10-74, Cl. 36-2.5al.
McAusland, Robert R. Bilge pump having snubbing action. 3,839,983, 10-8-74, Cl. 114-183.00a.
McAvoy, Charles R. Cover assembly. 3,791,665, 2-12-74, Cl. 280-150.00r.
McAvoy, Dennis J., to Sperry Rand Corporation. Power transmission. 3,799,202, 3-26-74, Cl. 137-125.0cl.
McAvoy, James, to Imperial Chemical Industries Limited. Oxidation of organic compounds. 3,804,906, 4-16-74, Cl. 260-621.00g.
McAvoy, James, to Imperial Chemical Industries Limited. Oxidation of hydrocarbons. 3,833,663, 9-3-74, Cl. 260-610.00b.
McBain, Donald. Strap support means. 3,799,413, 3-26-74, Cl. 224-5.00p.
McBean, Rupert John Sidney, to Kinnear Moodie (Concrete) Limited. Tunnelling shields. 3,850,000, 11-26-74, Cl. 61-85.000.
McBeath, Donald G.: *See—*
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McBride, Alan L., to Texas Instruments Incorporated. Digital processor for selectively synthesizing sinusoidal waveforms and frequency modulations. 3,824,498, 7-16-74, Cl. 332-9.00r.
McBride, Edward D., to Outboard Marine Corporation. Neutral start only mechanism. 3,782,350, 1-1-74, Cl. 123-179.00k.
McBride, Jack C. Fishing pole holder and signaling device. 3,846,929, 11-12-74, Cl. 43-17.000.
McBride, Lyle E., Jr.: *See—*
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McBride, Lyle E., Jr., to Texas Instruments Incorporated. Thermal expansion valve refrigeration systems. 3,835,659, 9-17-74, Cl. 62-202.000.
McBride, Robert L. Combination statement and check and method of making a negotiable check. 3,790,193, 2-5-74, Cl. 283-57.000.
McBride, Roby C.; and Owens, Howard, to TPI Corporation. Duct electrical heater unit. 3,811,031, 5-14-74, Cl. 219-374.000.
McBride, Roy T. Predation protection collar for livestock. 3,842,806, 10-22-74, Cl. 119-106.000.
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McBroom, Robert C., to General Electric Company. Image intensifier compensated for earth's magnetic field. 3,809,889, 5-7-74, Cl. 250-213.0vt.
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McCabe, Francis J. Remotely resettable fire damper. 3,796,248, 3-12-74, Cl. 160-1.000.
McCabe, Francis J. Resettable fire damper. 3,796,249, 3-12-74, Cl. 160-1.000.
McCabe, Francis J. Fire damper and method of fabricating same. 3,814,165, 6-4-74, Cl. 160-207.000.
McCabe, Francis J. Method of fabricating and assembling a damper. 3,833,989, 9-10-74, Cl. 29-157.00r.
McCabe, James B. Vehicle hitch. 3,804,437, 4-16-74, Cl. 280-489.000.
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McCabe, John M., to Eastman Kodak Company. Electrographic carrier vehicle and developer composition. 3,795,617, 3-5-74, Cl. 252-62.100.
McCabe, John Stanton, to Chicago Bridge & Iron Company Offshore liquid storage facility. 3,828,565, 8-13-74, Cl. 62-45.000.
McCabe, Thomas C. Device for delimbing trees. 3,809,134, 5-7-74, Cl. 144-2.00z.
McCabe, William C. Compressed and thermostated air regulated gas liquid chromatography oven with simultaneously operated multiple chromatography columns. 3,841,059, 10-15-74, Cl. 55-197.000.
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McCaffray, Edmund, Jr. Stitch spacer for broom stitching machine. 3,783,806, 1-8-74, Cl. 112-6.000.
McCaffrey, Michael Thomas; and Castellano, Joseph Anthony, to RCA Corporation. Novel electro-optic devices. 3,816,336, 6-11-74, Cl. 252-408.000.
McCaffrey, Terence P.; and Gray, Paul R., to Fairchild Camera and Instrument Corporation. Monolithic MOS/bipolar integrated circuit structure. 3,838,440, 9-24-74, Cl. 357-43.000.
McCahon, John O.; and Byrne, William J., to Smyth Manufacturing Company, The. Method and apparatus for handling sheet materials, signatures and the like. 3,810,612, 5-14-74, Cl. 271-11.000.
McCain, Colin Christopher; and Porter, Eric Andrew, to BP Chemicals International Limited. Oxidation of unsaturated hydrocarbons to aldehydes. 3,840,602, 10-8-74, Cl. 260-604.00r.
McCain, David L., to Continental Oil Company. Slurry hopper system. 3,845,990, 11-5-74, Cl. 302-15.000.
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McCaleb, Stanley B., to Sun Oil Company (Delaware). Repulsing clays on drill bits. 3,818,996, 6-25-74, Cl. 175-57.000.
McCalister, William J. Throttle position indicator device. 3,838,662, 10-1-74, Cl. 116-114.00g.
McCall Corporation: *See—*
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McCall, Robert Eugene, to Industrial Nucleonics Corporation. Method and apparatus for improving the uniformity of the basic weight of a fabric, 3,857,023, 12-24-74, Cl. 235-151.100.

McCallen, James A., to Bohemia Lumber Company, Incorporated. Shear testing tool, 3,839,905, 10-8-74, Cl. 73-101.000.

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McCallum, James B., to Itek Corporation. Pressure applicator for surface generating apparatus, 3,791,079, 2-12-74, Cl. 51-56.000.

McCallum, James B., to Itek Corporation. Slurry dispensing apparatus having vacuum controlled discharge, 3,815,786, 6-11-74, Cl. 222-70.000.

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McCandless, William J. C.: *See*—
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McCann, David H., Jr., to Westinghouse Electric Corporation. Charge pump photodetector, 3,808,476, 4-30-74, Cl. 317-235.004.

McCann, Gary D., 1/3 to Jaeger, Edwin C. and 1/3 to Stillman, Philip A. Centering sensor and indicator system, 3,806,013, 4-23-74, Cl. 226-19.000.

McCann, Gerald P., to McCann's Engineering & Mfg. Co. Soft drink dispenser disconnect assembly, 3,800,826, 4-2-74, Cl. 137-560.000.

McCann, Gordon D.; and Dumitru, Earl T., to Dow Chemical Company, The. Method for making non-colloidal particles like fibers and powders from larger granules of ethylene/carboxylic acid copolymers, 3,790,521, 2-5-74, Cl. 260-29.60n.

McCann, Gordon D.; and Dumitru, Earl T., to Dow Chemical Company, The. Preparation of latexes by direct dispersion of acidic organic polymers into aqueous alkaline media containing certian alkanols, 3,798,194, 3-19-74, Cl. 260-29.60e.

McCann, Gordon D.; Dumitru, Earl L.; and Louch, James B., to Dow Chemical Company, The. Preparation of latexes by direct dispersion of acidic organic polymers into aqueous alkaline media, 3,799,901, 3-26-74, Cl. 260-29.6rn.

McCann, James J., to Xerox Corporation. Echo check circuit, 3,816,727, 6-11-74, Cl. 235-153.0as.

McCann, Milton H., to Riker Laboratories, Inc. Tube annealing apparatus and method, 3,815,881, 6-11-74, Cl. 266-5.000.

McCanney, Neil R., to Singer Company, The. Modular vehicle trainer sound system having a plurality of separately controllable sound generators and a polyphonic speaker array, 3,845,572, 11-5-74, Cl. 35-11.000.

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McCardle, Arthur, Jr.; Sponseller, Robert Lee; and Gross, Charles Henry, to General Electric Company. Variable area convergent-divergent exhaust nozzle, 3,814,325, 6-4-74, Cl. 239-265.390.

McCarroll, Alan F., to Xerox Corporation. Pressure heated fuser assembly, 3,834,861, 9-10-74, Cl. 432-60.000.

McCarroll, Raymond A. Automobile window vent apparatus, 3,803,994, 4-16-74, Cl. 98-2.120.

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McCarthy, Donald Delbert Counting system for articles in a streamlined stack, 3,813,522, 5-28-74, Cl. 235-98.00r.

McCarthy, Donald J., to Jacobs Manufacturing Company, The. Electrically insulated chuck for hand-held drills, 3,797,960, 3-19-74, Cl. 408-240.000

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McCarthy, Lawrence James: *See*—
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McCarthy, William G. Adjustable shear bed, 3,797,676, 3-19-74, Cl 214-1.00r.

McCartney, Charles P., Jr.: *See*—
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McCarty, John O.; and Smith, Leary W., to Audichron Company, The. Announcing system, 3,787,637, 1-22-74, Cl. 179-100.2md

McCarty, John O.; and Smith, Leary W., to Audichron Company, The. Transducer head mounting apparatus, 3,855,626, 12-17-74, Cl. 360-104.000.

McCarty, William J., to General Electric Company. Wide dispersion fan impeller, 3,794,443, 2-26-74, Cl. 416-175.000

McCary, Richard O., and Luborsky, Fred E., to General Electric Company. Magnetic film plated wire and substrates therefor 3,844,909, 10-29-74, Cl. 204-40.000.

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McCaulay, David A., to Standard Oil Company. Alkylation of heptanes with isobutane using antimony pentafluoride-fluorosulfonic acid mixtures, 3,819,743, 6-25-74, Cl. 260-683.470.

McCaulay, David A., to Standard Oil Company. Separation and isomerization of alkyl-substituted aromatic compounds using fluoroalkanesulfonic acids, 3,848,011, 11-12-74, Cl. 260-668.00a.

McCaulay, James Lindsay; and Dunks, Clifford Matthew, to Materials and Methods Limited. Process for the treatment of molten metals, 3,819,365, 6-25-74, Cl. 75-130.00r.

McCauley, Albert P., to SCM Corporation. Control method for fume incinerators, 3,789,104, 1-29-74, Cl. 423-210.000.

McCauley, Harry J.: *See*—
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McCaully, Ronald J., to American Home Products Corporation. Intermediates for the preparation of 1,3-dihydro-2H-1,4 benzodiazepin-2-ones, 3,850,979, 11-26-74, Cl. 260-490.000.

McCawley, Frank X., Wyche, Charlie; and Schlain, David, to United States of America, Interior. Electrodeposition of metallic boride coatings, 3,827,954, 8-6-74, Cl. 204-39.000.

McCay, Frank V., Jr., to Envirotech Corporation. Automatic unidirectional brake, 3,797,614, 3-19-74, Cl. 188-134.000.

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McClain, James E., to Esco Manufacturing Company. Electrical connector apparatus disconnectable link assembly, 3,853,375, 12-10-74, Cl. 339-19.000.

McClain, Lamont R., to Engel Industries, Inc. Roll machine for alternate cleat forming, 3,815,398, 6-11-74, Cl. 72-181.000.

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McClay, Alexander W., Jr. Multiple gauging device, 3,824,696, 7-23-74, Cl. 33-137.00r

McCleerey, Earl W.; and English, William A., to Westinghouse Electric Corporation. Magnetically coupled control for cooking platform, 3,852,558, 12-3-74, Cl. 219-10.490.

McClellan, Alan J., and Dutton, Harold R.; deceased (by Dutton, Edna M., executrix), to General Motors Corporation. Method of assembling inserts with precision looseness, 3,785,029, 1-15-74, Cl. 29-157.10r.

McClellan, Amos E., and Daugherty, Donald E., to Sperry Rand Corporation. Mechanism for securing and locking the posting board of a mechanized filing cabinet, 3,834,780, 9-10-74, Cl. 312-219.000.

McClellan, Bingham A., to McClellan Industries, Inc. Rattle sounder for fishing lures, 3,848,353, 11-19-74, Cl. 43-42.310.

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McClellan, Ralph E., to Meilink Steel Safe Company. Modular safe deposit box assembly, 3,837,299, 9-24-74, Cl. 109-56.000.

McClellan, Ronald E., and Sherman, Frederick A., to GTE Information Systems Incorporated. Apparatus for storing several messages received simultaneously, 3,806,886, 4-23-74, Cl. 340-172.500.

McClellan, Ronald E., to Ultronic Systems Corporation. Information storage and retrieval system, 3,823,387, 7-9-74, Cl. 340-172.500.

McClellan, William. Thermal shield, 3,848,897, 11-19-74, Cl. 285 47.000.

McClellan, William Reed, to RCA Corporation. Automatic gain control circuit, 3,796,866, 3-12-74, Cl. 235-92.0pk.

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McClelland, Etheridge R.; Spence, Henry L., Vierra, Henry R.; and White, Thomas J., to Filper Corporation. Carrot bagging apparatus and method, 3,842,569, 10-22-74, Cl. 53-37.000.

McClelland, James F. Construction for discharging articles from inclined storage lanes, 3,819,023, 6-25-74, Cl. 193-40.000

McClelland, Ronald O., to Koppers Company, Inc. Coke quenching car alignment indicating system, 3,852,159, 12-3-74, Cl. 202-227.000

McClelland, Theodore M., III: *See*—
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McClelland, Theodore M., III, to Westinghouse Electric Corporation. Indicator circuit for monitoring pulses initiated in a remote meter reading system, 3,826,982, 7-30-74, Cl. 324-113.000.

McClenahan, James O., to United States of America, National Aeronautics and Space Administration. High-speed shutter 3,797,919, 3-19-74, Cl. 350-270.000.

McClenahan, James O., to United States of America, National Aeronautics and Space Administration. Photomultiplier circuit including means for rapidly reducing the sensitivity thereof 3,821,546, 6-28-74, Cl. 250-207.000.

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McClendon, Jack C., to Dow Chemical Company, The. Cationic flours and starches, 3,846,405, 11-5-74, Cl. 260-233.30r.

McClernon, Francis H. Contact lens filing and reclassifying card 3,857,480, 12-31-74, Cl. 206-5.100.

McClintock, Bruce: *See*—
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McClintock, Earl A. Apparatus for conserving the use of water electricity and the like in automatic film processors, 3,852,793, 12-3-74, Cl. 354-324.000.

McClive, R. Thomas: *See*—
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McClive, Ralph T., to Cleeon Incorporated. Dessicant device 3,799,352, 3-26-74, Cl. 210-282.000.

McClocklin, Samuel B., and Kostelecky, Clarence L., to Owatonna Tool Company, Two-stage air-hydraulic booster 3,787,147, 1-22-74, Cl. 417-307.000.

McClocklin, Samuel B., to Owatonna Tool Company. Hydraulic system, 3,788,781, 1-29-74, Cl. 417-401.000

McClocklin, Samuel B., to Owatonna Tool Company. Hydraulic pump, 3,822,966, 7-9-74, Cl. 417-311.000

McClory, Robert M., to Aqua-Chem Inc. Filter, 3,853,761, 12-10-74, Cl. 210-100.000

McCloskey, Albert R., to Heim Universal Corporation. Ball bearing assembly, 3,788,708, 1-29-74, Cl. 308-6.00c

McCloskey, Albert R., to Rockwell International Corporation. Method for manufacturing spherical bearing assemblies 3,825,983, 7-30-74, Cl. 29-149.50b

McCloskey, Albert R., to Heim Universal Corporation. Anti-friction ball bearing assembly, 3,832,020, 8-27-74, Cl. 308-6.00c

McCloskey, Albert R., to Rockwell International Corporation. Linear bearing, 3,843,215, 10-22-74, Cl. 308-6.000.

McCloskey, Albert R., to Rockwell International Corporation. Anti-friction ball bearing assembly, 3,844,628, 10-29-74, Cl. 308-6.00c

McCloskey, Chester M.: *See*—
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McCloskey, Harry J., to Ellisco Incorporated. Scored and seam welded can, 3,838,787, 10-1-74, Cl. 220-54.000.

McCloskey, James W.: *See*—
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McCloud, Robert D., to Container Corporation of America. Easy packing deep container 3,827,622, 8-6-74, Cl. 229-37.00r.

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McCloy, Harry M., Sr. Automobile washing device, 3,806,040, 4-23-74, Cl. 239-450.000.

McClung, Charles E.; and Glasgow, David G., to Monsanto Company. Polyurethane interlayer for laminated safety glass, 3,823,060, 7-9-74, Cl. 161-190.000

McClung, Robert A. Rail seat and support structure, 3,826,423, 7-30-74, Cl. 238-264.000.

McClung, Robert A.; and Phiml, Frank V., Jr., said Phiml assor. to said Illinois Tool works, Inc. Rail seat and support structure 3,826,424, 7-30-74, Cl. 238-264.000.

McClure, Charles A. Reinforced abrasive wheels. 3,828,485, 8-13-74, Cl. 51-206.0nf.
McClure, Charles Laird, to Pro-Tech Inc. Fluid filtration and sampling. 3,840,123, 10-8-74, Cl. 210-411.000.
McClure, Donald Avery; and Nichols, Harvey Clay, to RCA Corporation. Balanced, low impedance, high frequency transmission line. 3,815,054, 6-4-74, Cl. 333-5.000.
McClure, Edgar M., to Scientific Components, Inc. Changeable tip tweezers and the like. 3,818,784, 6-25-74, Cl. 81-43.000.
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McClure, Robert Bruce. Sonic-color system. 3,815,128, 6-4-74, Cl. 340-366.00b.
McClure, Robert E., to Parks-Cramer Company. Textile yarn spinning machine with roving interruption apparatus and slotted guides. 3,832,839, 9-3-74, Cl. 57-106.000.
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McClurg, Dale C.; and Nocek, Stanley J., to GTE Automatic Electric Laboratories, Incorporated. Relay adjusting apparatus and method. 3,851,286, 11-26-74, Cl. 335-273.000.
McClusky, Stanley A. Vibratory means for a receptacle weighing apparatus. 3,805,905, 4-23-74, Cl. 177-160.000.
McClusky, Stanley A. Two station receptacle and weighing apparatus. 3,814,196, 6-4-74, Cl. 177-54.000.
McClymont, Terence I.; and La Fond, Maurice H., to Plessey, Incorporated. Hanger clamp for splicing head. 3,850,399, 11-26-74, Cl. 248-229.000.
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McColgin, William C.; and Webster, Frank G., to Eastman Kodak Company. Polymethine dye lasers. 3,798,566, 3-19-74, Cl. 331-94.501.
McColl, Archibald Irvine, to Alexander M.S. Method and apparatus for fracturing oil and gas strata. 3,848,674, 11-19-74, Cl. 166-299.000.
McColl, Bruce J. Tree harvesting machine of a walking type. 3,804,137, 4-16-74, Cl. 144-3.000d.
McCollum, Anthony W., to Eastman Kodak Company. Acetals and methods for their preparation. 3,787,397, 1-22-74, Cl. 260-240.00e.
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McComas, Arthur D.; Ransom, James R.; Kessler, James A.; Doeller, Charles H., III; and Mall, Aaron, to Bendix Corporation, The. Means for synchronizing clocks in a time ordered communications system. 3,798,650, 3-19-74, Cl. 343-225.000.
McComb, Kenneth H. Die assembly for foodstuff extruder. 3,847,531, 11-12-74, Cl. 425-464.000.
McComb, Walter D.: *See*—
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McComber, Donald R.: *See*—
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McCombs, Frank P.: *See*—
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McCombs, Howard L., to Bendix Corporation, The. Control apparatus particularly for a plurality of compressor bleed valves of a gas turbine engine. 3,848,636, 11-19-74, Cl. 137-624.270.
McCombs, Howard L., Jr., to Bendix Corporation, The. Double acting snap action fluidic switch. 3,833,200, 9-3-74, Cl. 251-35.000.
McCombs, Jay. Flush tank water-regulating attachment. 3,787,902, 1-29-74, Cl. 4-67.00a.
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McConnaughay, Kenneth E. Method of making a pavement. 3,819,291, 6-25-74, Cl. 404-75.000.
McConnaughay, Kenneth E. Drier-mixing apparatus. 3,840,215, 10-8-74, Cl. 259-158.000.
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McConnell, Lorne D.; and Mockli, Rolf, to I-T-E Imperial Corporation. Coaxial conductor connector and gland for two-pressure circuit breaker. 3,792,217, 2-12-74, Cl. 200-148.00b.
McConnell, Lorne D., to I-T-E Imperial Corporation. Closed chamber within moving contact. 3,814,884, 6-4-74, Cl. 200-148.00b.
McConnell, Lorne D., to I-T-E Imperial Corporation. Inflated valve seat for synchronous breakers. 3,821,506, 6-28-74, Cl. 200-148.0bv.
McConnell, Lorne D.; and Aumayer, Hansruedi, to I-T-E Imperial Corporation. Interrupter structure for circuit breaker with individual blast valves and time-delayed upstream cutoff valve. 3,823,289, 7-9-74, Cl. 200-148.00b.
McConnell, Richard L.; and Huffaker, James E. Reinforced cushioning material. 3,837,990, 9-24-74, Cl. 161-68.000.
McConnell, Richard L., to Eastman Kodak Company. Blends containing polyethylene and an unsaturated polycarboxylic acid modified polyolefin. 3,856,889, 12-24-74, Cl. 260-897.00b.
McConnell, Robert B., to Ashland Oil, Inc. Quaternary ammonium derivatives of bisimidazoline compounds. 3,855,235, 12-17-74, Cl. 260-309.600.
McConnell, Robert G., to Honeywell Inc. Automatic focus positioning circuit. 3,783,269, 1-1-74, Cl. 250-201.000.
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McConnell, William C., to PPG Industries, Inc. Control of Pythium spp. and Sclerotium spp. using azides. 3,812,254, 5-21-74, Cl. 424-226.000.
McConnell, William M.; Bradley, William H., Chappell, Howard E.; and Carey, Raymond L., to Taylor-Wilson Manufacturing Company. Pipe tester. 3,803,901, 4-16-74, Cl. 73-49.800.
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McCord, Carolyn Creel. Nurse's cap attachment system. 3,834,405, 9-10-74, Cl. 132-101.000.

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McCord, John B., to Hollymatic Corporation. Meat tenderizing apparatus. 3,842,464, 10-22-74, Cl. 17-25.000.
McCord, John T., 50% to Ghigo, Andrea S. Flexible and fireproof automobile diaper. 3,785,451, 1-15-74, Cl. 180-69.100.
McCord, Robert C., to Vistron Corporation. Toothbrush and dental-floss dispenser. 3,782,397, 1-1-74, Cl. 132-84.00a.
McCord, Robert C., to Vistron Corporation. Toothbrush and dental-floss dispenser. 3,853,134, 12-10-74, Cl. 132-92.00a.
McCord, Wilfred M., Jr., to Vermont American Corporation. Dovetail fixture. 3,800,840, 4-2-74, Cl. 144-87.000.
McCord, Wilfred M., Jr., to Vermont American Corporation. Dovetail fixture. 3,834,435, 9-10-74, Cl. 141-144.500.
McCormack, Harley G., to American Hydrophilics Corporation. Radioscope thickness adaptor. 3,804,523, 4-16-74, Cl. 356-124.000.
McCormack, Harley G., to American Hydrophilics Corporation. Power and surface inspection adaptor plate. 3,820,899, 6-28-74, Cl. 356-124.000.
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McCormack, Kent, to Texas Instruments Incorporated. Spectral scan air monitor. 3,805,074, 4-16-74, Cl. 250-355.000.
McCormack, William H., to Garrett Corporation, The. Conditioning circuit and method for variable frequency sensor. 3,790,910, 2-5-74, Cl. 235-151.300.
McCormick, Alan G. Bellows pump. 3,796,516, 3-12-74, Cl. 417-63.000.
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McCormick, James B., to Pelam, Inc. Expandable sponge pad electrode for use with a electrocardiograph instrument or the like. 3,788,317, 1-29-74, Cl. 128-2.06e.
McCormick, James B.; and Ohba, Shunjiro, to Pelam, Inc. Apparatus for regulating the amount of liquid administered per unit time. 3,790,042, 2-5-74, Cl. 222-52.000.
McCormick, James B.; Mijanovich, Radoslav T.; and Ohba, Shunjiro, to Pelam, Inc. Data acquisition device. 3,794,982, 2-26-74, Cl. 340-172.500
McCormick, James B., to American Health, Inc. Disposable pulmonary function kit. 3,810,461, 5-14-74, Cl. 128-2.080.
McCormick, John. Heat transfer apparatus. 3,785,350, 1-15-74, Cl. 122-115.000
McCormick, John P. Electric switch for a radial readout gauge. 3,806,851, 4-23-74, Cl. 335-205.000.
McCormick, John Paradis. Monitor unit. 3,844,305, 10-29-74, Cl. 137-78.000.
McCormick, Larry L.; and Selk, Ben F., to G & H Technology, Inc. Electrical connector. 3,848,950, 11-19-74, Cl. 339-90.00r
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McCoy, Wallace W. Structural member employing random honeycomb structure. 3,857,752, 12-31-74, Cl. 161-161.000.
McCracken, Alexander Ernest, to Nicol & Andrew Limited. Lighting unit and reflector therefor. 3,798,442, 3-19-74, Cl. 240-51.11r.
McCracken, George T., to King Musical Instruments, a division of Seeburg Corporation of Delaware, The. Trombone support. 3,834,268, 9-10-74, Cl. 84-453.000
McCracken, Lyde S., to Economy Forms Corporation. Vertical shaft form with cammed stripping units. 3,844,526, 10-29-74, Cl. 249-152.000.
McCracken, Nathan John, to Polymer Corporation Limited Method for drying polymeric materials. 3,834,440, 9-10-74, Cl. 159-47.00r.
McCracken, Robert H., to United States of America, Army. Coupling device and method for simultaneous impedance balancing. 3,824,503, 7-16-74, Cl. 333-26.000.
McCracken, Robert H., to United States of America, Army. Active optical fuze. 3,837,283, 9-24-74, Cl. 102-70.20p.
McCracken, Robert H., to United States of America, Army. Method of inducing negative impedance effect, and devices based thereon. 3,853,064, 12-10-74, Cl. 102-70.20r.
McCracken, Robert N. Support structure for wall mounted objects. 3,838,842, 10-1-74, Cl. 248-476.000.
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McElroy, David W., to Westinghouse Electric Corporation. Fluid-cooled transformer having a temperature responsive indicating and controlling device. 3,849,705, 11-19-74, Cl. 317-14.00r.

McElroy, Jerry T.; and Posakony, Gerald J., to Automation Industries, Inc. Ultrasonic search unit construction. 3,794,866, 2-26-74, Cl. 310-8.200.

McElroy, Jerry T., to Automation Industries, Inc. Method of making an ultrasonic search unit. 3,821,834, 7-2-74, Cl. 29-25.350.

McElroy, Raymond L.: *See—*
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McElroy, Roderick O., and Duncan, Douglas W., to British Columbia Research Council. Copper extraction by rapid bacteriological process. 3,856,913, 12-24-74, Cl. 423-27.000.

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McEntire, Robert H., to Atlantic Richfield Company. Well drilling. 3,835,939, 9-17-74, Cl. 175-65.000.

McEowen, James Royce: *See—*
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McEvers, William R., Jr.; Cox, Percy T.; and Richter, Albert P., Jr., to Texaco Inc. Gravity force operated apparatuses for generation of longitudinal pulse data from the bottom of a well. 3,845,837, 11-5-74, Cl. 181-106.000.

McEvers, William R.,Jr.: *See—*
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McEvoy, Francis Joseph: *See—*
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McEwan, William S.; and Drew, Charles M., to United States of America, Navy. Method for measuring liquid particle distribution from fogs, clouds, and sprays. 3,820,953, 6-28-74, Cl. 23-230.00r.

McFadden, Allan L.: *See—*
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McFadden, Lawrence D. Muffler and muffler core puncher. 3,811,352, 5-21-74, Cl. 83-54.000.

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Bourdelais, Roger J.; Colangelo, Dominick; McFadyen, Robert J.; and Elliott, James F., 3,795,452.

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McFarland, Frederick R.; and Diffenderfer, Walter L., to K-D Manufacturing Company. Oil filter wrench. 3,838,615, 10-1-74, Cl. 81-64.000.

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McFarland, James W., to Pfizer Inc. Method of treating helminthiasis. 3,787,578, 1-22-74, Cl. 424-263.000.

McFarland, James W., to Pfizer Inc. Method of killing insects with quinazolinones and quinazoline-thiones. 3,843,791, 10-22-74, Cl. 424-251.000.

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McFarland, Keith H. Electrical ataxiameter. 3,826,145, 7-30-74, Cl 73-432.00r.

McFarland, Philip J.; and Rambauske, Werner R., to Raytheon Company. Catoptric lens arrangement. 3,826,911, 7-30-74, Cl. 240-41.35r

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McFarlane, Leroy F., to Coilform Company, Inc. Multi-piece coil form assembly. 3,787,799, 1-22-74, Cl. 339-214.00r

McFarlane, Richard H. Tip forming machine and process. 3,843,300, 10-22-74, Cl. 425-384.000.

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McFarlin, Ralph M., to Esquire, Inc. Light fixtures. 3,815,857, 6-11-74, Cl. 248-223.000.

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McFarlin, William B., to Stearns Electric Corporation High wattage contactor. 3,806,850, 4-23-74, Cl. 335-203.000.

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McFiggins, Robert B.; and Eckert, Alton B., Jr., to Pitney-Bowes, Inc. Remote postage meter resetting method. 3,792,446, 2-12-74, Cl. 340-172.500.

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McGahee, Welbourne D., to Loop A Line, Inc. Line-post coupling and marine mooring-towing devices. 3,830,187, 8-20-74, Cl. 114-235.00a.

McGahee, Welbourne D., to Loop A Line, Inc. Fishing apparatus and quick connectors therefor. 3,855,723, 12-24-74, Cl. 43-44.830.

McGahon, John O.; and Byrne, William J., to Smyth Manufacturing Company, mesne. Conveyor. 3,783,991, 1-8-74, Cl. 198-33.0ab.

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McGarr, John J., to USM Corporation. Manufacture of particulate polyurethane material in an organic medium and in the presence of a bentone. 3,817,886, 6-18-74, Cl. 260-18.0tn.

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McGary, Robert L., to Furnas Electric Company. Magnetically operated electric switch device. 3,824,509, 7-16-74, Cl. 335-132.000

McGaugh, Michael C., to Dow Chemical Company, The. Ethylene polymer composition having enhanced photodegradability. 3,825,627, 7-23-74, Cl. 260-897.00a.

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McGee, Albert L. Dual aeration and filtration system with recycling. 3,841,997, 10-15-74, Cl. 210-15.000

McGee, Andrew T. Leverage operated screwdriver. 3,797,546, 3-19-74, Cl. 145-61.001.

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McGee, Leland T. Hydraulic trailer steering and sway control mechanism. 3,834,480, 9-10-74, Cl. 180-79.20b.

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McGee, Richard P., to Gould Inc. Segmental sealing ring assembly 3,802,711, 4-9-74, Cl 277-193.000

McGee, Sherwood W., to Amsted Industries Incorporated. Powder metallurgy aluminum parts. 3,791,800, 2-12-74, Cl. 29-182.500.

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McGee, Thomas D., to Iowa State University Research Foundation Inc. Process for producing high density ceramic products. 3,801,688, 4-2-74, Cl. 264-65.000.

McGee, Weldon L. Ski vise. 3,854,712, 12-17-74, Cl. 269-43.000.

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McGehee, Wallace L., to American Pollution Prevention Co., Inc. Rotary dehydrator-granulator. 3,792,536, 2-19-74, Cl. 34-11.000.
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McGilp, Kenneth J., to Excel Tool and Die Corporation. Motorcycle drive chain tensioner kit. 3,834,246, 9-10-74, Cl. 74-242.11b.
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McGimpsey, John W. Traffic control system. 3,783,446, 1-1-74, Cl. 340-31.00r.
McGinley, Patrick; and Formica, Santo J., to Container Corporation of America. Tree root container. 3,814,239, 6-4-74, Cl. 206-423.000.
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McGinnis, Paul H.; McLaughlin, William D., Jr.; and Swander, Robert E., to Celanese Corporation. Spinning apparatus with converging gas streams. 3,849,040, 11-19-74, Cl. 425-72.000.
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McGinniss, Vincent Daniel, to SCM Corporation. Photopolymerizable pigmented vehicles containing chlorosulfonated or α-haloalkylated benzanthrone initiators. 3,827,956, 8-6-74, Cl. 204-159.230.
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McGinniss, Vincent Daniel, to SCM Corporation. Process for photopolymerization with carbonylated phenyl nuclear sulfonyl chloride sensitizer. 3,827,959, 8-6-74, Cl. 204-159.240.
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McGrath, William K., to United States Steel Corporation. Method of erecting a cantiliver truss bridge;bridge; panel for a bridge; and dummy chords for panel. 3,833,959, 9-10-74, Cl. 14-14.000.
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McGregor, Donald G., to Electrix Corporation. Terminal clip for circuit boards. 3,808,588, 4-30-74, Cl. 339-217.00s.
McGregor, John L. Color TV apparatus and method. 3,827,076, 7-30-74, Cl. 358-58.000.
McGregor, Robert, & Sons Limited: *See*—
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McGregor, Roger. Accessory to fire extinguisher. 3,810,250, 5-7-74, Cl. 240-6.40r.
McGregor, William H.: *See*—
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McGregor, William H.; and Grant, Norman H., to American Home Products Corporation. H-Thr-Lys-Arg-OH and derivatives thereof. 3,849,390, 11-19-74, Cl. 260-112.500.
McGrew, David P., 37.5% to Castleman, Curtis H. Viscosity control additive for water beds and other aqueous-filled furniture. 3,810,265, 5-14-74, Cl. 5-348.9wb.
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McGriffin, Kenneth. Process of extracting metals from solutions. 3,857,703, 12-31-74, Cl. 75-109.000.
McGrogan, Ellwood Patrick, Jr., to RCA Corporation. Constant current circuit. 3,784,844, 1-8-74, Cl. 307-270.000.
McGruder, Ivory. Battery operated coffee maker. 3,813,517, 5-28-74, Cl. 219-438.000.
McGuffin, Donald W.; Larsen, Richard J.; Mitchell, Robert W.; and Caruso, Bernard E., to Hitco. Apparatus for producing high modulus graphite materials. 3,803,672, 4-16-74, Cl. 26-68.000.
McGuire, George. Table supported surgical retractor and pelvic support. 3,823,709, 7-16-74, Cl. 128-20.000.
McGuire, George. Bone clamp and adjustable drill guide. 3,835,849, 9-17-74, Cl. 128-92.0eb.
McGuire, George. Pelvic support for surgical operations. 3,844,550, 10-29-74, Cl. 269-328.000.
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McGuire, Joseph C., to McDonnell Douglas Corporation. Vent structure. 3,838,557, 10-1-74, Cl. 55-385.000.
McGuire, Lindell V.; and Sparlin, Derry D., to Continental Oil Company. Method for fracturing and propping unconsolidated and dilatant subterranean formations. 3,815,680, 6-11-74, Cl. 166-281.000.
McGuire, Martin J. Glide swing. 3,825,254, 7-23-74, Cl. 272-85.000.
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McGuire, Pendleton R. Gravel guard for vehicles. 3,799,580, 3-26-74, Cl. 280-154.50r.
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McGuire, Stephen E.; Stauter, John C.; and Kennedy, Carl D., to Continental Oil Company. Concentration of oxide copper ores by flotation separation. 3,834,533, 9-10-74, Cl. 209-166.000.
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McGuirk, Francis A., Jr., to Wagner Electric Corporation. Power control circuit for automatic vehicles and the like. 3,824,403, 7-16-74, Cl. 307-10.0at.
McGunigle, Richard D. Tracking system for time-displaced signals. 3,819,919, 6-25-74, Cl. 235-151.340.
McGunigle, Richard D. Signal velocity measurement system. 3,820,393, 6-28-74, Cl. 73-204.000.
McGusty, Elizabeth R.; and Sutton, Blaine M., to Smithkline Corporation. Phosphine or phosphite gold complexes of thioethanol and derivatives thereof to treat arthritis. 3,784,687, 1-8-74, Cl. 424-212.000.
McGusty, Elizabeth R.; and Sutton, Blaine M., to Smithkline Corporation. Phosphine or phosphite gold complexes of thiomalic acid in treating arthritis. 3,792,165, 2-12-74, Cl. 424-215.000.
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McIllwain, James C. Work table drive. 3,807,246, 4-30-74, Cl. 74-229.000.
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McIlrath, William F. Strain control transducer. 3,848,462, 11-19-74, Cl. 73-88.50r.
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McIlwain, Erwin D.; and Moody, Thomas B., to Sperry Rand Corporation. Needle slot baffles for balers employing automatic tying devices. 3,850,091, 11-26-74, Cl. 100-19.00r.
McInerney, Charles E.; and Winiarz, Olgiero S., to Garrett Corporation, The. Bearing. 3,811,741, 5-21-74, Cl. 308-12.200.
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McInnis, Andrew M.; and Sheldon, Dunstan P., to Sheldon Industries Inc. Multiple sheet imprinting apparatus. 3,800,700, 4-2-74, Cl. 101-269.000.
McInnis, Andrew M., to Sheldon Industries Inc. Elimination of uncontrolled background reproduction during printing. 3,820,458, 6-28-74, Cl. 101-269.000.
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McIntosh, Alexander Charles; and Smith, Maurice Irvin, to Tel-Tone Corporation. Pulse ratio detector. 3,784,758, 1-8-74, Cl. 179-84.0vf.
McIntosh, Arthur J. Device for treatment of bloat of ruminants. 3,856,021, 12-24-74, Cl. 128-347.000.
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McIntosh, Herbert A., to Texaco Inc. Dewaxing of oils. 3,846,277, 11-5-74, Cl. 208-31.000.
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McIntyre, Edwin L. Positive contact rotary thermocouple unit. 3,812,716, 5-28-74, Cl. 73-341.000.
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McIntyre, Raymond D.; and Nunan, Craig S., to Varian Associates. Linear particle accelerator system having improved beam alignment and method of operation. 3,838,284, 9-24-74, Cl. 250-385.000.
McIntyre, Raymond D., to Varian Associates. Transmission ion chamber. 3,852,610, 12-3-74, Cl. 250-385.000.
McIntyre, Thomas. Prime movers. 3,857,240, 12-31-74, Cl. 60-221.000.
McIntyre, Thomas M. Guitar pick device. 3,789,720, 2-5-74, Cl. 84-322.000.
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McJones, Robert W. Charging sequence system and process. 3,807,422, 4-30-74, Cl. 137-12.000.
McJones, Robert W. Area ratio excess flow shutoff valve system. 3,823,734, 7-16-74, Cl. 137-498.000.
McJones, Robert W. Temperature compensated charging system and process for natural gas and the like. 3,837,377, 9-24-74, Cl. 141-4.000.
McKague, Allan B.; DeWaal, William; and VanWinekel, Carl E., to VanWinekel, Carl E.; d/b/a and said McKague and said Waal assors. to said Orchem Research Company, The. Production of alkoxy phenolic compounds. 3,819,719, 6-25-74, Cl. 260-613.00d.
McKay, Alexander S., to Texaco Exploration Canada Ltd. Means and method for providing an output corresponding to the expected subsidence of a frozen earth formation. 3,829,685, 8-13-74, Cl. 250-256.000.
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McKay, Donald R.; Swinkels, Godefridus M.; and Szarmes, Kornel R. V., to Cominco Ltd. Hydrometallurgical process for extraction of copper and sulphur from copper iron sulphides. 3,816,105, 6-11-74, Cl. 75-115.000.
McKay, Jerry Bruce, to Du Pont de Nemours, E. I., and Company. False-twist texturing yarn of polyester filaments having multilobal cross sections. 3,846,969, 11-12-74, Cl. 57-140.00j.
McKay, Richard H.; Ziebold, Paul G.; Kirby, James D.; Hetzel, Douglas R.; and Snydacker, James U., to Thornber, Frank, Co. Electronic voting machine. 3,793,505, 2-19-74, Cl. 235-54.00f.
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McKay, Russell M., Sr., to Lockheed Missiles & Space Company, Inc. Cutter monitor. 3,795,449, 3-5-74, Cl. 356-160.000.
McKean, Joseph T.; and Steinhauer, Norman M., to Allis-Chalmers Corporation. Rotor construction for squirrel cage motor. 3,826,940, 7-30-74, Cl. 310-211.000.
McKechnie, John C. Sound enhancement speaker enclosure. 3,821,475, 6-28-74, Cl. 179-1.00m.
McKee, Albert E. Portable oxygen cylinder assembly. 3,800,819, 4-2-74, Cl. 137-343.000.
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McKee, Chester W.; McKee, John D.; and Henderson, C. Glenn, to Teleweld, Inc. Remote-controlled message display system with improved sign positioning means. 3,803,582, 4-9-74, Cl. 340-324.00r.
McKee, George Kenneth. Artificial limb joints. 3,801,989, 4-9-74, Cl. 3-1.000.
McKee, Ian K., to Circuit Materials Division Dodge Industries, Inc. Method of laminating polyimide film. 3,791,909, 2-12-74, Cl. 156-306.000.
McKee, James D.; and Lamb, John F., to Reynolds Metals Company. Rolling mill control system. 3,786,661, 1-22-74, Cl. 72-19.000.
McKee, James Glen, to Canadian Industries, Limited. Explosive package. 3,791,297, 2-12-74, Cl. 102-24.00r.
McKee, James W., to True Data Corporation. Card handling apparatus. 3,847,382, 11-12-74, Cl. 271-4.000.
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McKee, William A. Roof raising device for recreational vehicle. 3,802,732, 4-9-74, Cl. 296-23.00r.
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McKeehan, Rodger W. Motor driven ball toy. 3,798,835, 3-26-74, Cl. 46-243.00m.
McKeen, Joseph E. Transport system utilizing fluid power. 3,828,687, 8-13-74, Cl. 104-154.000.
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McKeen, Leighton R., to Farah Manufacturing Company, Inc. Reciprocating motion control device. 3,798,980, 3-26-74, Cl. 74-40.000.
McKeen, Leighton R., to Farah Manufacturing Company, Inc. Reciprocating motion control device. 3,807,241, 4-30-74, Cl. 74-40.000.
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McKelvey, James F., to United States of America, Navy. Electronic interference detector for range-tracking pulse radar systems. 3,821,752, 6-28-74, Cl. 343-7.300.
McKelvey, John B.; and Benerito, Ruth R., to United States of America, Agriculture. Use of epoxides in the preparation of higher fatty acid anhydrides. 3,813,421, 5-28-74, Cl. 260-398.000.
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McKendrick, Lorne J. Balancing apparatus with servo relief valve. 3,856,266, 12-24-74, Cl. 254-168.000.
McKendry, Lennon H.: *See*—
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McKenna, James J.; and Harter, Roy, to Harter, H. Elisabet; surviving spouse of Harter, Roy S., deceased. Safety device for removing radiator caps. 3,785,225, 1-15-74, Cl. 81-3.10r.
McKenna, James Michael, to Du Pont de Nemours, E. I., and Company. Selective isomerization of polyenes having terminal conjugated unsaturation. 3,845,152, 10-29-74, Cl. 260-677.00r.
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McKenna, Paul F. Method of protectively capping and bonding thread portions securing a button to a garment. 3,816,200, 6-11-74, Cl. 156-93.000.
McKenna, William F., to Atwood Vacuum Machine Company. Electronic ignition system. 3,820,939, 6-28-74, Cl. 431-79.000.
McKenney, John D., to Royal Industries, Inc. Wheel alignment apparatus. 3,804,526, 4-16-74, Cl. 356-155.000.
McKenney, Neal D.; and Dennis, John, Jr. Bagged ice dispensing apparatus. 3,807,193, 4-30-74, Cl. 62-322.000.
McKenny, Vernon G., to Mostek Company. Dynamic random access memory. 3,821,717, 6-28-74, Cl. 340-173.00r.
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McKenry, Robert J., to Kennametal Inc. Tamper foot. 3,793,960, 2-26-74, Cl. 104-10.000.
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McLean, Douglas H., to Ford Motor Company. Differential lock-up responsive to brake malfunction. 3,850,274, 11-26-74, Cl. 192-4.00a.
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McLean, Milton H., to British Columbia Packers Limited. Hydraulic fish unloading apparatus. 3,795,325, 3-5-74, Cl. 214-14.000.
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McLeod, Harold D. Quick load pressure pot. 3,829,025, 8-13-74, Cl. 239-373.000.
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McMaster, Clarence O., to Minnesota Mining and Manufacturing Company. Film cartridge. 3,854,804, 12-17-74, Cl. 352-78.00r.
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McMaster, Harold A.; and Nitschke, Norman C., 20% to Larimer, Frank A. Roller hearth furnace. 3,806,312, 4-23-74, Cl. 432-121.000.
McMaster, James E., to FMC Corporation. Self-bonding rayon. 3,796,629, 3-12-74, Cl. 162-157.00c.
McMaster, Richard L., to Detection Systems, Inc. Method and apparatus for detecting motion. 3,803,539, 4-9-74, Cl. 340-1.00r.
McMaster, Richard Louis, to Detection Systems, Inc. Cipher lock. 3,816,755, 6-11-74, Cl. 307-115.000.
McMath, Connie W., to United Aircraft Corporation. Seal centering and retention means. 3,794,244, 2-26-74, Cl. 239-265.410.
McMath, Jack A., to Dover Corporation. Spring biased safety valve. 3,845,785, 11-5-74, Cl. 137-517.000.
McMenim, Michael Edward, to Imperial Chemical Industries Limited. Manufacture of tetramisole. 3,845,070, 10-29-74, Cl. 260-306.700.
McMichael, B. Frank; and Baranski, Edward J. Mobile home leveling and hold-down support. 3,837,127, 9-24-74, Cl. 52-126.000.
McMichael Construction Co.: *See*—
Mitchell, Guy E., 3,805,669.
McMichael, Cyrus. Vehicle periscope. 3,801,187, 4-2-74, Cl. 350-301.000.
McMickle, John F., Jr., to Cozzoli Machine Company. Stopper inserting machine. 3,855,749, 12-24-74, Cl. 53-306.000.
McMickle, Robert L., to Berkley & Company, Inc. Spinning reel with automatic changeover of operation mode. 3,796,391, 3-12-74, Cl. 242-84.21a.
McMillan, Edward Bellamy. System of devices for pollution discovery. 3,803,595, 4-9-74, Cl. 343-5.0sa.
McMillan Electronics Corporation: *See*—
McMillan, Robert D., Jr., 3,848,128.
McMillan, Ian; and Prest, Jeffrey, to Imperial Chemical Industries Limited. Solvent compositions. 3,789,004, 1-29-74, Cl. 252-171.000.
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McMillan, Robert D., Jr., to McMillan Electronics Corporation. Control chamber apparatus for pollutant detectors. 3,848,128, 11-12-74, Cl. 250-336.000.
McMillan, Roderick Duncan. Rotary switch three pin circuit tester for electrical outlet socket. 3,783,371, 1-1-74, Cl. 324-51.000.
McMillan, William D.: *See*—
Ferre, Glenn E.; Franz, Maurice F.; Lohbauer, Kenneth R.; and McMillan, William D., 3,841,795.
McMillen, James M., to Mobil Oil Corporation. Method and apparatus for determining parameters of core samples. 3,839,899, 10-8-74, Cl. 73-38.000.
McMillen, Kenneth G.: *See*—
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Holdeman, John W.; and McMillen, Kenneth G., 3,788,075.
Johnson, Raymond E.; Miller, Wendell E.; and McMillen, Kenneth G., 3,788,077.
Miller, Wendell E.; and McMillen, Kenneth G., 3,800,536.
McMillen, Kenneth R.: *See*—
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McMillen, Leanne S.: *See*—
Ailshie, Roger H.; and McMillen, Kenneth G., 3,815,477.
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McMillen, Russell G., to International Harvester Company. Latch mechanism. 3,823,976, 7-16-74, Cl. 296-35.00r.
McMillian, Lonnie S.: *See*—
Hutchison, Arthur H.; and McMillian, Lonnie S., 3,857,065.
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McMillin, Bert M.: *See*—
Gremillion, Gerard S.; and McMillin, Bert M., 3,807,695.
McMillin, Carl Kenneth, to Du Pont de Nemours, E. I., and Company. Antistatically protected nonwoven polyolefin sheet. 3,821,021, 6-28-74, Cl. 117-135.500.
McMillin, Dale K.: *See*—

Meharry, James L.; and McMillin, Dale K., 3,807,605.
McMillin, John R.: *See*—
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McMillin, John V., to Westinghouse Learning Corporation. Background reference level system and method for document scanners. 3,820,068, 6-25-74, Cl. 340-146.3ag.
McMillin, John V., to Westinghouse Learning Corporation. Timing system for optically scanned documents. 3,831,009, 8-20-74, Cl. 235-61.11e.
McMillin Wire and Plating, Inc.: *See*—
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McMinn, Joseph Ernest, to Joyce Bros. (W.A.) Pty. Limited. Rotary clothes hoists. 3,798,984, 3-26-74, Cl. 74-89.150.
McMinn, Robert E.; and Jamison, Mickey B., to Black, Sivalls & Bryson, Inc. High temperature material introduction apparatus. 3,828,850, 8-13-74, Cl. 165-109.000.
McMinn, Robert W.; and Jamison, Mickey B., to Black, Sivalls & Bryson, Inc. High temperature cooling process and system. 3,833,056, 9-3-74, Cl. 165-107.000.
McMorris, Arthur H.: *See*—
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McMullan, Jeffrey S., to Continental Oil Company. Relay. 3,823,739, 7-16-74, Cl. 137-624.270.
McMullen, Charles H., to Union Carbide Corporation. Preparation of methyl alkanoates. 3,849,456, 11-19-74, Cl. 260-410.90r.
McMullen, Earl Wayne, to Hastings Fiber Glass Products, Inc. Shotgun stick. 3,788,691, 1-29-74, Cl. 294-19.00r.
McMullen, John J., Associates, Inc.: *See*—
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McMullen, Wayne W. Snow and water vehicle. 3,841,649, 10-15-74, Cl. 280-16.000.
McMullin, Donald, Jr.: *See*—
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McMunn, Charles William, III; and Nakayama, Takashi, to Du Pont de Nemours, E. I., and Company. Seal ring compositions electronic packages made therewith. 3,809,797, 5-7-74, Cl. 174-52.00s.
McMurray, Bud A. Magnetic lock and wrench. 3,840,041, 10-8-74, Cl. 137-296.000.
McMurry, Everett D., to McMurry Oil Tools, Inc. Method and apparatus for gas-lift production of liquid from wells. 3,834,414, 9-10-74, Cl. 137-155.000.
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McMurtry, Carl H.; and Murata, Yorihiro, to Carborundum Company, The. Solid diffusion sources containing phosphorus and silicon. 3,849,344, 11-19-74, Cl. 252-500.000.
McMurtry, David Harwood, to International Business Machines Corporation. Optical character recognition scanning apparatus. 3,836,958, 9-17-74, Cl. 340-146.30f.
McMurtry, David Roberts, to Rolls-Royce (1971) Limited. Liquid dispensing devices. 3,794,440, 2-26-74, Cl. 415-88.000.
McMurtry, David Roberts, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's, Government of the. Variable pitch rotary blading. 3,794,442, 2-26-74, Cl. 416-145.000.
McMurtry, David Roberts, to Rolls-Royce (1971) Limited. Valve for follow-up servo mechanism. 3,802,799, 4-9-74, Cl. 416-157.000.
McMurtry, David Roberts, to Rolls-Royce, Limited. Gas turbine engine compressors. 3,807,895, 4-30-74, Cl. 415-199.00r.
McMurtry, David Roberts; and Agg, Michael John, to Rolls-Royce (1971) Limited. Pitch varying mechanism for variable pitch fan. 3,825,370, 7-23-74, Cl. 416-160.000.
McNab, Donald W. Portable container and seating device. 3,817,574, 6-18-74, Cl. 297-188.000.
McNab, Ian Roderick. *See*—
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McNab, Ian Roderick, to International Research & Development Company Limited. Current transfer in homopolar machines. 3,796,900, 3-12-72, Cl. 310-178.000.
McNab, Incorporated: *See*—
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McNabney, John C.; and Hantke, Gerhard J., to Trane Company, The. Air diffuser fire damper. 3,785,272, 1-15-74, Cl. 98-40.00d.
McNair, Samuel L.: *See*—
Talge, Henry J.; and McNair, Samuel L., 3,795,015.
McNair, Samuel L., to Dazey Products Company. Foot operated foot massager. 3,830,232, 8-20-74, Cl. 128-33.000.
McNair, Samuel L., to Dazey Products Company. Control assembly for bathtub hydrotherapy unit. 3,846,848, 11-12-74, Cl. 4-180.000.
McNally, Donald E.: *See*—
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McNally, Donald E., to Steelcase Inc. Torsion rod chair iron. 3,788,586, 1-29-74, Cl. 248-373.000.
McNally, George S.; Brinks, Floyd J.; and Lee, Sang H., to Pullman Incorporated. Railway hopper car side wall construction. 3,789,773, 2-5-74, Cl. 105-248.000.
McNally, George S., to Pullman Incorporated. Trough hatch locking device. 3,804,026, 4-16-74, Cl. 105-377.000.
McNally, George S.; and Sims, Roger D., to Pullman Incorporated. Lading strap anchor. 3,814,029, 6-4-74, Cl. 105-369.00a.
McNally, George S., to Pullman Incorporated. Railway hopper car closure actuating mechanism. 3,820,473, 6-28-74, Cl. 105-250.000.
McNally, James J.: *See*—
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McNally, John P.; and Neumann, Henry O. Hydraulic jack lift safety brake system. 3,783,983, 1-8-74, Cl. 188-189.000.
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McNally, Peter J.: *See*—
Van Gordon, Donald V.; and McNally, Peter J., 3,814,276.
McNally, Ronald. Toilet seats. 3,801,999, 4-9-74, Cl. 4-229.000
McNally, Sellers B., to Maremont Corporation. Temperature compensating means for a hydraulic shock absorber 3,791,494, 2-12-74, Cl. 188-277.000.
McNally, Sellers B., to Maremont Corporation. Exhaust system tube cutting apparatus with improved cutting efficiency. 3,805,383, 4-23-74, Cl. 30-92.000.
McNally, Sellers B.; and Lemme, Charles D., to Maremont Corporation. Self-leveling combined shock absorber and fluid spring assist unit. 3,836,132, 9-17-74, Cl. 267-64.00r.
McNally, Violet M. Combination shipping and cooking container 3,812,997, 5-28-74, Cl. 220-22.000.
McNamara, Albert C., Jr., to Esquire Inc. Lighting fixture lens. 3,812,342, 5-21-74, Cl. 240-46.010.
McNamara, John J., Jr.; and Baum, William. Removable weight for practicing with athletic implements. 3,834,697, 9-10-74, Cl. 273-1.00b.
McNamara, Thomas F.; and Perper, Timothy P., to Warner-Lambert Company. Sugar composition 3,836,396, 9-17-74, Cl. 127-30.000.
McNatt, James M. Setting and fishing tool. 3,807,785, 4-30-74, Cl. 294-86.130.
McNaughton, Andrew; and Hutchison, Bruce D. Protective appliance for use during painting. 3,788,274, 1-29-74, Cl. 118-506.000.
McNaughton, J. W.: *See*—
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McNeely, Arthur O.; and Kennedy, Wiley T., to Mackenhus Corporation. Dry lay-up method and apparatus for producing continuous length composite members. 3,853,656, 12-10-74, Cl. 156-172.000.
McNeely, Arthur O., Kennedy, Wiley T.; and Huska, Paul, to Mackenhus Corporation. Method and apparatus for laminating, impregnating and curing continuous tubes 3,855,031, 12-17-74, Cl. 156-190.000.
McNeely, Gerald Willard: *See*—
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Polese, James P.; and McNees, Sterling G., 3,826,948.
McNees, Sterling G.; and Polese, James P., to Varian Associates Mesh type filamentary thermionic cathode emitter and tube using same. 3,824,424, 7-16-74, Cl. 313-341.000.
McNeese, Leonard E., Ferris, Leslie M., and Smith, Fred J., to United States of America, Atomic Energy Commission. Method for removing rare earths from spent molten metallic fluoride salt mixtures. 3,853,979, 12-10-74, Cl. 423-5.000.
McNeight, David L.; and Morris, William John, to Scragg, Ernest & Sons Limited. Textile apparatus. 3,827,228, 8-6-74, Cl. 57-77.450
McNeil Corporation: *See*—
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Pamer, Karl A., 3,814,211.
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Welch, Hugo Clayton, 3,804,332.
McNeil, Edgar L.: *See*—
Morin, Louis F., and McNeil, Edgar L., 3,857,415.
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McNeil, William D.; and Robland, William S., to International Business Machines Corporation. Compensation for a scanning system. 3,800,079, 3-26-74, Cl. 178-7.100.

McNeil, William M.: *See*—
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McNeill, Charles F. Safety belt for motorcycles. 3,840,902, 10-15-74, Cl. 2-311.000.

McNeill, Frank M., to Tee-Pak, Inc. Method of winding tubular films or webs. 3,794,268, 2-26-74, Cl. 242-55.000.

McNeill, Frank M., to Tee-Pak, Inc. Apparatus for radially winding flexible tubular material. 3,820,732, 6-28-74, Cl. 242-55.000.

McNeill, Frederick J., Kulik, Joseph S., Jr., and Smith, David L., Sr., to GTE Sylvania Incorporated. Tubular incandescent lamp having improved filament support. 3,783,329, 1-1-74, Cl. 313-274.000.

McNeill, George A.: *See*—
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McNeill, Neill E. Motorcycle rear spring suspension device. 3,830,517, 8-20-74, Cl. 280-124.00r.

McNeill, William, to Duromag Coatings Inc. Protective coating for magnesium. 3,791,942, 2-12-74, Cl. 204-56.00m.

McNemar, Edward R. Mystery game with balanced pocketed container. 3,810,624, 5-14-74, Cl. 273-102.10e.

McNerney, Richard P.: *See*—
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McNerney, Richard P., to Schlumber Technology Corporation. Wire insulation splicing technique for high temperature well logging cable. 3,783,057, 1-1-74, Cl. 156-49.000.

McNerney, Roger J.: *See*—
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McNichol, David H. Resilient devices for temporarily binding and gripping the edge of materials. 3,845,521, 11-5-74, Cl. 24-67.900.

McNinch, Delmar D.: *See*—
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McNinch, Delmar D., to Lawrence Brothers, Inc. Slidable door hanger device. 3,829,930, 8-20-74, Cl. 16-105.000.

McNitt, Ralph R., and Fox, Edward J., to General Motors Corporation. Start-up method and apparatus for continuous casting. 3,850,225, 11-26-74, Cl. 164-82.000.

McNulty, Edward R.: *See*—
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McNulty, Henry V., and Oatis, Melvin Neal, to Telephonic Equipment Corporation. Circuit and apparatus for bridging and monitoring. 3,786,198, 1-15-74, Cl. 179-27.00h

McNulty, John G., and Walsh, William L., to Gulf Research & Development Company. Process for preparing diolefins. 3,796,767, 3-12-74, Cl. 260-680.00r.

McNulty, John G.; and Walsh, William L., to Gulf Research & Development Company. Process for recovering Hbr and bromine from 2,3,3-tribromo-2-alkylalkanes. 3,839,547, 10-1-74, Cl. 423-500.000.

McNulty, Patrick J., Swithenbank, Colin, Vista, Kenneth L.; and Von Meyer, William C., to Rohm & Haas Company. Herbicidal 2-aryl-4,4-dialkyl-5-halomethylene-oxazolines. 3,819,355, 6-25-74, Cl. 71-88.000.

McNulty, Patrick J., Bayer, Horst O., and Seidel, Michael C., to Rohm & Haas Company. N-aryl 5-(or 6-) methylpyrid-2-ones. 3,838,155, 9-24-74, Cl. 260-295.50r.

McNulty, Thomas Charles, to RCA Corporation. Overcurrent protection circuit including a heat sensitive element and a thyristor. 3,846,674, 11-5-74, Cl. 317-13.00c.

McNulty, Wayne L.: *See*—
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McNutt, William P.: *See*—
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McOran-Campbell, Ivan Charles, to Turners Asbestos Products (Private) Limited. Coupling for pipe-like components. 3,854,757, 12-17-74, Cl. 285-100.000.

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McPeak, Warren L. Locking universal joint. 3,855,884, 12-24-74, Cl. 81-177.0uj.

McPhail, Hazel M.: *See*—
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McPhail; William B.; and McPhail, Hazel M. Board game apparatus. 3,819,184, 6-25-74, Cl. 273-131.0ba.

McPhee, Charles J., to American Hospital Supply Corporation. Defoaming device for medical humidifier. 3,793,810, 2-26-74, Cl. 55-255.000.

McPhee, Charles J., to American Hospital Supply Corporation. Audible pressure relief valve for medical humidifier. 3,807,445, 4-30-74, Cl. 137-557.000.

McPhee, Charles J., to American Hospital Supply Corporation. Mixing column for medical humidifier and method of humidifying inhalable gases. 3,834,682, 9-10-74, Cl. 261-123.000

McPhee, Charles J., to American Hospital Supply Corporation. Port system for medical humidifier container. 3,846,518, 11-5-74, Cl. 261-123.000.

McPhee, John L., to Aluminum Plumbing Fixture Corporation. Hospital patient care unit. 3,829,906, 8-20-74, Cl. 4-10.000.

McPhee, Walter J.; and Sondergard, Richard D., to Bendix Corporation, The. TV area correlation tracker. 3,828,122, 8-6-74, Cl. 178-6.800.

McPherson, Alexander J.; and Scheer, Herman C., to International Business Machines Corporation. Method of forming multi-layer circuit panels. 3,791,858, 2-12-74, Cl. 117-201.000.

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McPherson, Alexander W.; and Sendoykas, Jack J., to Dover Corporation. Universal clamp with adjustable retention means. 3,801,091, 4-2-74, Cl. 269-91.000.

McPherson, Donald E.; and Wild, Albert F. Belt drive for linear play adapter for cassette tape recorder. 3,799,421, 3-26-74, Cl. 226-181.000.

McPherson, Neil Freeman; and Hanssmann, Nils, to Atomic Energy of Canada, Limited. Method and apparatus for LIG tube welding. 3,784,778, 1-8-74, Cl. 219-60.00a

McPherson, Patrick F.: *See*—
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McPherson, Robert G.: *See*—
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McPhillips, Norris J., to Parker-Hannifin Corporation. Tube coupling. 3,834,742, 9-10-74, Cl. 285-249.000

McQuade, Allan J., and Arons, Gilbert N., to United States of America, Army. Reinforced carbon fabrics. 3,850,785, 11-26-74, Cl. 161-88.000.

McQuade, James M.: *See*—
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McQuade, James M., to General Electric Company. Making polyamide-acid aqueous dispersions for electrocoating. 3,804,793, 4-16-74, Cl. 260-29.20n

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McQuarrie, Alexander M., to General Electric Company. Watthour meter assembly having an auxiliary lag plate mounted on a potential flux return bar. 3,796,954, 3-12-74, Cl. 324-138.000.

McQuarrie, Alexander M.; and Ham, Donald M., to General Electric Company. Spring loaded reset mechanism for a demand meter. 3,844,474, 10-29-74, Cl. 235-144.0ma

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McQueary, Leroy W.: *See*—
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McQueen, Edwin D., and Spicer, Thomas L., to Teletype Corporation. Tiltable display screen assembly. 3,789,140, 1-29-74, Cl. 178-7.810.

McQueen, Malcolm M. Seal. 3,813,105, 5-28-74, Cl. 277-164.000

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McQueen, Robert William, to Dresser Industries, Inc. Rock bit with one piece body and depending arms. 3,850,256, 11-26-74, Cl. 175-228.000.

McQuestion, James H. Burial vault. 3,839,768, 10-8-74, Cl. 27-35.000.

McQueston, Herbert J.: *See*—
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McQuillen, Albert L., Jr., 33 Hundred, Inc. Method and means for sealing ingot casting molds to stools. 3,837,393, 9-24-74, Cl. 164-342.000.

McQuiston, H. Robert. Method of installation of thermal building insulation and stretchers therefor. 3,830,441, 8-20-74, Cl. 242-67.10r.

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McQuivey, Richard M., to Thiokol Chemical Corporation, mesne. Articulate inspection instrument. 3,852,527, 12-3-74, Cl. 178-7.100.

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McRae, Russell C.; and Stuart, William R., to Varian Associates. High intensity arc lamp. 3,808,496, 4-30-74, Cl. 313-113.000.

McRae, Thomas Earle. Accident proof, tamper proof boat drain plug. 3,797,442, 3-19-74, Cl. 114-197.000.

McRay, Riard F., to Systomation Incorporated. Laser working machine with workpiece support. 3,803,379, 4-9-74, Cl. 219-121.001.

McReynolds, James C.; and Adams, William E., to Bartlett-Collins Company. Glass ware dimpling. 3,803,876, 4-16-74, Cl. 65-70.000.

McReynolds, James L.; and Topalian, Harry H., to General Foods Corporation. Protective coatings for confectioneries and bakery products. 3,784,714, 1-8-74, Cl. 426-171.000.

McRitchie, Donna D.: *See*—
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McRobert, Leon R., to FMC Corporation. Article pickup machine. 3,828,534, 8-13-74, Cl. 56-328.00r.

McRobert, Leon R. Bin dumper. 3,830,386, 8-20-74, Cl. 214-313.000.

McRoskey, John W.: *See*—
McRoskey, Leonard H., McRoskey, John W., and Swartz, Delbert D., 3,797,163.

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McRowe, Arthur W., to Goodrich, B. F., Company, The. Flame retardant polyvinylchloride compositions. 3,819,577, 6-25-74, Cl. 260-45.75c.

McRowe, Arthur W., to Goodrich, B. F., Company, The. Vinyl chloride polymers containing alkali metal zinc ferrocyanides. 3,822,234, 7-2-74, Cl. 260-45.75r.

McShirley, Robert C. Electrical dental mallet. 3,829,974, 8-20-74, Cl. 32-53.000

McSorley, David J., and De Croos, Jaye, to Alarm Equipment Supplies Limited. Security alarm system with fault indication. 3,838,419, 9-24-74, Cl. 340-409.000.

McSparran, Lloyd W., to General Electric Company. Arrangement for inhibiting undesirable reverse field currents in excitation systems of traction vehicle power supplies. 3,805,144, 4-16-74, Cl. 322-25.000.

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McStrack, Darrel D.; and Schroeder, James E., to McGraw-Edison Company. Insulating coating for electrical devices. 3,813,296, 5-28-74, Cl. 117-229.000

McSwain, Horace C. Valve control apparatus. 3,844,311, 10-29-74, Cl. 137-624.110

McSweeney, Daniel Robert: *See*—
Fazzina, Thomas Laurence; McSweeney, Daniel Robert, and Gilmore, Gregory Jay, 3,852,501.

McSweeney, J. Jay: *See*—
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McSweeney, William, and Stas, Stefan J., to Litton Business Systems, Inc. Bi-directional scanning of a phase encoded magnetic message. 3,831,193, 8-20-74, Cl. 360-42.000

McTaggart, George D.: *See*—
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McTighe, Gilbert T.; and Johansson, Sture A. Self-cleaning restroom, and method for cleaning a restroom. 3,837,011, 9-24-74, Cl. 4-1.000

McVaugh, Arthur K. Mobile apparatus for salvaging underground and overhead electrical cable. 3,799,016, 3-26-74, Cl. 83-167.000

McVaugh, Arthur K., to Champion Corporation. Loading and unloading means for cable reels and other structures. 3,820,673, 6-28-74, Cl. 214-77.00r

McVay, Malcolm Scott C., to U.S. Chemicals and Plastics, Inc., A Div. of Alco Standard Corporation. Additive package and method of compounding resins therewith. 3,784,005, 1-8-74, Cl. 206-84.000.

McVeen, Milford D.: *See*—
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McVeigh, Harry A.: *See*—
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McVeigh, James H., to Xerox Corporation. Color standard and method of calibrating a multi-color electrophotographic printing machine. 3,799,668, 3-26-74, Cl. 355-4.000

McVeigh, James H.; and Tsilibes, George N., to Xerox Corporation. Image density control apparatus. 3,815,988, 6-11-74, Cl. 355-3.00r

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McVey, Charles L., to General Electric Company. Stabilized high intensity sodium vapor lamp. 3,851,207, 11-26-74, Cl. 315-49.000

McVey, Charles W., to Addressograph-Multigraph Corporation. Sequential hammer imprinter. 3,793,947, 2-26-74, Cl. 101-93.0mn.

McVickar, Dan B.; and Wolf, Adolf, to Lear Siegler Inc. Hot-air furnace. 3,794,014, 2-26-74, Cl. 126-110.0aa.

McVittie, Harland E. Sleev-lok anchors. 3,813,986, 6-4-74, Cl. 85-75.000.

McVoy, David S., and Reynolds, Richard G., to Coaxial Scientific Corporation. Communications system for data transmission and retrieval. 3,786,424, 1-15-74, Cl. 340-151.000

McVoy, David S.; and Reynolds, Richard G., to Coaxial Scientific Corporation. Communications system encoder-decoder for data transmission and retrieval. 3,832,690, 8-27-74, Cl. 340-168.00r

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McWaters, Talmadge W., to Monsanto Company. Friction twist tangling of yarns. 3,816,993, 6-18-74, Cl. 57-157.00r.

McWatters, William Andrew. Dredge ladder shock mounting arrangements. 3,821,859, 7-2-74, Cl. 37-67.000.

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McWhorter, Daniel M., to Kendall Company, The. Irrigation adapter. 3,800,799, 4-2-74, Cl. 128-349.00r

McWhorter, Daniel M., to Kendall Company, The. Urine meter and collection receptacle. 3,831,453, 8-27-74, Cl. 73-427.000

McWhorter, Daniel M.; and Villari, Frank K., to Kendall Company, The. Openable closure with drip site. 3,831,823, 8-27-74, Cl. 222-490.000.

McWilliams, Donald E., Killmeyer, Charles W., and Eilerman, George E., to PPG Industries, Inc. Glass fiber size of curable, blocked polyurethane emulsion with amino silene. 3,803,069, 4-9-74, Cl. 260-29.2tn

McWilliams, Donald E., Killmeyer, Charles W., and Eilerman, George E. Method of sizing glass fiber strand and articles produced therefrom. 3,814,592, 6-4-74, Cl. 65-3.000

McWilliams, Joseph Anthony; and Hughes, John Thomas. Electrical cooker unit for a ceramic glass plate type electrical cooker. 3,833,793, 9-3-74, Cl. 219-464.000

McWilliams, Joseph E. Nutting truck unloading arrangement for mail bag loading apparatus. 3,782,566, 1-1-74, Cl. 214-41.000

McWilliams, Joseph E. Steering control for power driven mobile conveyors. 3,788,444, 1-29-74, Cl. 198-2.000

McWilliams, Joseph E. Balanced extendible mobile conveyor. 3,788,452, 1-29-74, Cl. 198-139.000.

McWilliams, Joseph E. Method and apparatus for loading bagged mail from a loading dock into a highway vehicle. 3,827,585, 8-6-74, Cl. 214-41.000

McWilliams, Joseph E. Apparatus for handling mail bags. 3,836,021, 9-17-74, Cl. 214-41.000.

McWilliams, Joseph E. Method of loading bagged mail from a loading dock into a highway vehicle. 3,837,510, 9-24-74, Cl. 214-152.000.

McWilliams, Larry L., to S&M Enterprises Inc. Shredder adaptor. 3,808,782, 5-7-74, Cl. 56-16.900.

McWilliams, Orceinth D., and Rice, Roger A., to Caterpillar Tractor Company. Fluid suspension system. 3,797,140, 3-19-74, Cl. 37-129.000.

Meacham, George B. K., to Eaton Corporation. Timing control system. 3,827,413, 8-6-74, Cl. 123-99.000.

Meacham, George B. K., to Eaton Corporation. Vehicle occupant restraint system. 3,831,973, 8-27-74, Cl. 280-150.0ab

Meacham, James H., to Westinghouse Electric Corporation. Method and circuit for monitoring and detecting sweep signal failure. 3,810,024, 5-7-74, Cl. 328-8.000.
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Mead, Dennis E., to Lipe Rollway Corporation. Punch press discharge feeder. 3,789,711, 2-5-74, Cl. 83-61.000.
Mead, Dennis E., to Lipe Rollway Corporation. Feeder and orienter. 3,841,471, 10-15-74, Cl. 198-289.000.
Mead, Hansel B., to Teltronic Systems, Inc. Audience survey system. 3,800,223, 3-26-74, Cl. 325-31.000.
Mead, Hansel B., to Q-Bit Corporation. Television preamplifier power source. 3,843,922, 10-22-74, Cl. 323-8.000.
Mead, John A. R., to United States of America, Health, Education and Welfare. Inhibition of leukemia L1210 in mice utilizing 5-methyltetrahydrohomofolate. 3,856,959, 12-24-74, Cl. 424-251.000.
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Mead, Theodore C.; Cummins, Billy H.; and Coleman, Richard L., to Texaco Inc. Production of lubricating oils. 3,790,470, 2-5-74, Cl. 208-58.000.
Mead, Theodore C.; Coleman, Richard L.; Cummins, Billy H.; and Ashton, William B., to Texaco Inc. Treatment of lubricating oils. 3,803,028, 4-9-74, Cl. 208-111.000.
Mead, Theodore C.; Odell, Norman R.; and Benson, Robert F., to Texaco Inc. Viscosity index improvement of lubricating oil fractions. 3,830,730, 8-20-74, Cl. 208-144.000.
Meade, George E. System for weighing field event implements. 3,807,518, 4-30-74, Cl. 177-252.000.
Meade, James R. Riding recreational toy spring-mounted on a swinging platform. 3,834,692, 9-10-74, Cl. 272-52.500.
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Mecklenborg, Richard A., to Singer Company, The. Optical panoramic projection apparatus. 3,827,791, 8-6-74, Cl. 352-69.000.
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Mecklenburg, Paul; Pehlert, William King, Jr.; and Sullivan, Daniel David, to Bell Telephone Laboratories, Incorporated. Multilevel data transmission systems. 3,831,145, 8-20-74, Cl. 340-146.10r.
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Medovar, Boris Izrailevich; Popov, Viktor Andreevich, Alferov, Jury Fedorovich; Bogachenko, Alexey Georgievich; and Latash, Jury Vadimovich, Electric furnace electrode clamping devices, 3,808,343, 4-30-74, Cl. 13-9.000
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Mees, Robert D.; Wilcox, Albert F.; and Schall, Herman H., to General Electric Company. Apparatus for forming coils using round conductor wire. 3,844,150, 10-29-74, Cl. 72-206.000.
Meess, Jack D.; Kastovich, John C.; and Lackey, Robert S., to Westinghouse Electric Corporation. Absorption refrigeration system. 3,782,134, 1-1-74, Cl. 62-476.000.
Meeusen, Pieter. Floating structure for the mooring of yachts and other similar craft. 3,831,538, 8-27-74, Cl. 114-.5bd.
Meeusen, Pieter, to Nielsen, H., & Son Maskin-Fabrik A/S. System of and a method for transporting heavy or bulky articles. 3,857,478, 12-31-74, Cl. 198-195.000.
Meeussen, Louis Achilles: *See*—
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Meeussen, Louis Achilles; Bestenreiner, Friedrich; and Huber, Hans-Peter, to AGFA-Gevaert Aktiengesellschaft. Apparatus for simultaneous reproduction of visible and audible information. 3,829,610, 8-13-74, Cl. 178-6.60a.
Mefferd, Wayne S.; and Hobart, James L., to Coherent Radiation Laboratories. Laser optical resonator. 3,783,407, 1-1-74, Cl. 331-94.50c.
Mefferd, Wayne S., to Coherent Radiation Laboratories. Method of making a cored laser tube. 3,849,531, 11-19-74, Cl. 264-92.000.
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Megdall, Sanford B. Combined tissue box and toilet paper roll holder. 3,794,253, 2-26-74, Cl. 242-55.200.
Megee, James Francis; and Nickerson, Richard Gorham. Water-retaining latexes of styrene-butadiene-itaconic acid terpolymers. 3,793,244, 2-19-74, Cl. 260-29.70h.
Megens, Hendrikus Johannes Josephus, to U.S. Philips Corporation. Method of manufacturing a profiled grinding wheel. 3,794,474, 2-26-74, Cl. 51-295.000.
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Megges, Rudolf; Franke, Renate; Streckenbach, Barbara; Kammann, Gunter; and Repke, Kurt, to VEB Arzneimittelwerk Dresden. Nitrates of cardioactive steroids and steroid glycosides. 3,806,502, 4-23-74, Cl. 260-210.500.
Megias, Joseph, to Tomecap S.A. Method for bending thermoplastic pipes. 3,803,276, 4-9-74, Cl. 264-34.000.
Meginnis, George B.: *See*—
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Megna, Salvatore J. Wig. 3,809,100, 5-7-74, Cl. 132-53.000.
Megraw, Robert E.; and Woodson, Judith C., to Warner-Lambert Company. Colorimetric assay for lysozyme. 3,834,991, 9-10-74, Cl. 195-103.50r.
Megumi, Koichi: *See*—
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Meguro, Hisakatu; Muramoto, Takayoshi; Nishino, Shingi; Takei, Yasuharu; and Yoshizane, Hiroshi, to Fumakilla Limited. Device for capturing cockroaches. 3,802,116, 4-9-74, Cl. 43-121.000.
Meguro, Kanji; Tawada, Hiroyuki; and Kuwada, Yutaka, to Takeda Chemical Industries, Ltd. Process for producing benzodiazepine derivatives. 3,795,673, 3-5-74, Cl. 260-239.0bd.
Meguro, Kanji; Kuwada, Yutaka; Henmi, Teruji; and Yamano, Togo, to Takeda Chemical Industries, Ltd. 3-Acylamino-4-phenylquinolines carrying a substituent on the benzene ring. 3,798,226, 3-19-74, Cl. 260-287.00r.
Meguro, Kanji; Miyano, Hiroshi; Kuwada, Yutaka; Henmi, Teruji; and Yamano, Togo, to Takeda Chemical Industries, Ltd. 4-Phenyl-3-thioazylaminoquinolines. 3,819,634, 6-25-74, Cl. 260-283.00s.
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Meguro, Kazuo, to Nihon Tsusho Kabushiki Kaisha. Cleaner for conveyor belt. 3,841,470, 10-15-74, Cl. 198-230.000.
Mehaffey, William H.: *See*—
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Mehalchick, Emil J.; and Mathers, James E., to GTE Sylvania Incorporated. Method of increasing brightness of Y2O2S:EU luminescent material. 3,794,597, 2-26-74, Cl. 252-301.40s.
Mehalchick, Emil J.; and Mathers, James E., to GTE Sylvania Incorporated. Method of increasing the brightness of rare earth oxide phosphors. 3,830,748, 8-20-74, Cl. 252-301.40r.
Mehalso, Robert Michael; and Harris, David Isaac, to RCA Corporation. Manufacture of video discs. 3,795,534, 3-5-74, Cl. 117-101.000.
Meharry, James L.; and McMillin, Dale K. Sprayer with wheel pump. 3,807,605, 4-30-74, Cl. 222-177.000.
Mehdizadeh, Parviz, to Continental Oil Company. Method of improving the collapse strength of conduits. 3,841,137, 10-15-74, Cl. 72-367.000.
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Otey, Felix H.; Westhoff, Richard P.; and Mehltretter, Charles L., 3,823,132.
Mehltretter, Ludwig, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Method and apparatus for measuring and indicating the distance, distance variation, or both between an automotive vehicle and an obstacle. 3,824,592, 7-16-74, Cl. 34313.00r.
Mehn, Robert P.: *See*—
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Mehner, Walter; and Tietz, Werner, to DIEHL. Hinged keyboard switch. 3,821,534, 6-28-74, Cl. 200-338.000.
Mehnert, Gottfried, to Bekum Maschinenfabriken GmbH. Apparatus for separating the surplus of thermoplastic material from the neck portions of blow-molded containers. 3,782,877, 1-1-74, Cl. 425-292.000.
Mehnert, Walter, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Magnetic suspension and switching for vehicles. 3,844,220, 10-29-74, Cl. 104-148.0ms.
Mehnert, Walter E.: *See*—
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Mehrabian, Robert: *See*—
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Mehren, Rainer: *See*—
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Mehta, Nariman B., to Burroughs Wellcome Co. Meta chloro substituted-α-butylamino propiophenones. 3,819,706, 6-25-74, Cl. 260-570.50c.
Mehta, Povindar K., to Chemically Prestressed Concrete Corporation. High calcium sulfate expansive clinker. 3,857,714, 12-31-74, Cl. 106-89.000.
Mehta, Robert, to Jeumont-Schneider. Static switching system for instantaneously making various connections between two D.C. machines. 3,800,197, 3-26-74, Cl. 318-93.000.
Mehta, Rustam J., Geilhufe, Mike; and Palfi, Thomas L., to Advanced Memory Systems, Inc. Random access read/write semiconductor memory. 3,795,898, 3-5-74, Cl. 340-173.00r.
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Meihuhr, Stuart G., to General Motors Corporation. Stabilization of nickel boride catalyst in potassium hydroxide electrolytes. 3,802,922, 4-9-74, Cl. 136-120.0fc.
Meichsner, Walter, to August Thyssen-Hutte AG, mesne. Method and apparatus for dispensing a fluidizable solid from a pressure vessel. 3,807,602, 4-30-74, Cl. 221-1.000.
Meidensha Electric Mfg., Co., Ltd.: *See*—
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Meier, Carl H., and White, Robert P., to Gulf & Western Industries, Inc. Digital counter and timer with multiplex setting and readout. 3,789,195, 1-29-74, Cl. 235-92.00t.
Meier, Dale J., and Kruka, Vitold R., to Shell Oil Company. Method and composition for reducing the frictional drag of flowing fluids. 3,801,508, 4-2-74, Cl. 252-59.000.
Meier, Dale J.; and Kruka, Vitold R., to Shell Oil Company. Method and composition for reducing the frictional drag of flowing fluids. 3,827,447, 8-6-74, Cl. 137-13.000.
Meier, Dale J.; and St. Clair, David J., to Shell Oil Company. Lubricating compositions. 3,835,053, 9-10-74, Cl. 252-59.000.
Meier, Eric A.: *See*—
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Meier, Ernie A.; and Micallef, Alfred M., to K. & M. Rubber Co. Removable oven door gasket and method of making same. 3,847,199, 11-12-74, Cl. 156-293.000.
Meier, Ernst; Kuffner, Karl; and Glockner, Hans, to Agfa-Gevaert Aktiengesellschaft. Process for the preparation of 3-anilino-pyrazolones-(5). 3,798,234, 3-19-74, Cl. 260-310.00a.
Meier, Ernst; Kuffner, Karl; Glockner, Hans; Nittel, Fritz; and Schulte, Walter, to Agfa-Gevaert Aktiengesellschaft. Diffusion-resistant purple color couplers for the preparation of photographic color pictures. 3,808,007, 4-30-74, Cl. 96-100.000.
Meier, Ernst, to Interstop AG. Removable slide guide for a slide closure. 3,856,189, 12-24-74, Cl. 222-537.000.
Meier, Eugen: *See*—
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Meier, Fran; Ossendorf, Erich; and Wolfgarten, Hubert, to Gutehoffnungshuette Sterkrade A.G. Centrifugal vapor-liquid separator. 3,815,339, 6-11-74, Cl. 55-338.000.
Meier, Franz, to Ruti Machinery Works Ltd.; formerly Caspar Honegger Honegger, Casper. Clip device on a shuttle of a loom. 3,853,154, 12-10-74, Cl. 139-207.000.
Meier, Gunter, to Pfaff Haushaltmaschinen GmbH. Foot for the sewing of blind stiches on sewing machines. 3,817,195, 6-18-74, Cl. 112-235.000.
Meier, Gunter, to Pfaff Haushaltmaschinen GmbH. Sewing foot for sewing machines. 3,823,679, 7-16-74, Cl. 112-235.000.
Meier, Gunter; Laubach, Winfried; and Horstmann, Josef. Mixer type car for transporting molten pig iron. 3,834,322, 9-10-74, Cl 105-367.000.
Meier, Hans, to Sprecher & Schuh AG. Flat cable connectors. 3,816,818, 6-11-74, Cl. 339-99.00r.
Meier, Henri; and Warnet, Henri, to CERAVER. Tubular insulating connector formed of wound glass wires. 3,839,593, 10-1-74, Cl. 174-30.000.
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Allais, Andre; Meier, Jean; and Dube, Jacques, 3,850,959.
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Meier, Johann. Length gauging apparatus. 3,826,009, 7-30-74, Cl. 33-169.00r.
Meier, Johann, and Minusio, Brione Sopra. Method for determining the translucency and/or turbidity of a medium and apparatus for applying the method. 3,851,976, 12-3-74, Cl. 356-206.000.
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Meier, Otto; and Scheidweiler, Andreas, to Cerberus AG. Fire alarm system with remote central station. 3,821,734, 6-28-74, Cl. 340-409.000.
Meier, Otto H., and Tassie, Douglas P., to General Electric Company. Sprocket assembly. 3,793,921, 2-26-74, Cl. 89-33.0ea.
Meier, Paul, to Cutler-Hammer, Inc. Microwave transmission line. 3,825,863, 7-23-74, Cl. 333-95.00r.
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Meier, Rudolf H.; Day, Richard P.; and Thompson, Christopher J. C., to McDonnell Douglas Corporation. Exoatmospheric environmental test apparatus. 3,812,359, 5-21-74, Cl. 250-347.000.
Meier, Udo H., to Reliance Electric Company. Combining inverters for harmonic reduction. 3,792,286, 2-12-74, Cl. 307-58.000.
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Meier-Maletz, Max, to Intersound Ltd. Record player. 3,822,064, 7-2-74, Cl. 274-7.000.
Meier-Windhorst, Christian August, to Artos-Gesellschaft fur industrielle Forschung und Entwinklung C.A. Meier-Windhorst. Apparatus for treatment of materials particularly the heat treatment of webs. 3,800,438, 4-2-74, Cl. 34-156.000.
Meier-Windhorst, Christian August, to Artos Dr.-Ing. Meier-Windhorst Kommanditgesellschaft. Moisture- and high-temperature treatment of fabrics before finishing operations. 3,804,587, 4-16-74, Cl. 8-149.100.
Meier-Windhorst, Christian August. Process for continuous treatment of webs with hot liquids. 3,849,068, 11-19-74, Cl. 8-151.000.
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Meijer, Robert S., to Alnor Instrument Company, div. of Illinois Testing Laboratories, Inc. Pyrometer with digitalized linearizing correction having programmable read only memory. 3,824,585, 7-16-74, Cl. 340-347.0nt.
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Meijer, Roelf Jan, Neelen, Gregorius Theodorus Maria; and Vree, Jules Herman, to U.S. Philips Corporation. Heat exchanger. 3,811,497, 5-21-74, Cl. 165-157.000.
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Meiller, Francois, to Produits Chimiques Pechiney-Saint-Gobain. Alkyl fluorohexahalogenoisopropoxycarboxylate silicon derivatives and polymers and copolymers thereof. 3,833,612, 9-3-74, Cl. 260-448.20b
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Meincke, Edmund R., and Van Essen, Willem J., to General Tire & Rubber Company, The. Method of improving paint adhesion to low-shrink polyester-based resins. 3,830,875, 8-20-74, Cl. 260-862.000
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Meinholdt, John W. Sway control for trailers. 3,825,282, 7-23-74, Cl. 280-446.00b.
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Meinow, Helmut, to Volkswagenwerk Aktiengesellschaft. Door lock arrangement for automobiles. 3,844,595, 10-29-74, Cl. 292-216.000.
Meiri, Shmuel, to Northwestern University. Apparatus actuating and nurse call system. 3,848,249, 11-12-74, Cl. 340-325.000.
Meisberger, Raymond F., to Bruce-Lake Company. Base connection for utility poles. 3,838,547, 10-1-74, Cl. 52-295.000
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Meisel, Frederick W., Jr.; and Larson, Kenneth C., to Scott Paper Company. Sequential addition of a cationic debonder, resin and deposition aid to a cellulosic fibrous slurry. 3,844,880, 10-29-74, Cl. 162-169.000.
Meisels, Alex; and Schott, Emilio, to Ciba-Geigy Corporation. Certain pyridyl acylamides. 3,822,276, 7-2-74, Cl. 260-295.0am
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Meisenburg, Ewald; and Langenberg, Rolf. Apparatus for recovering crystals. 3,801,285, 4-2-74, Cl. 23-273.00f
Meisenheimer, Raymond L. Load balancing voltage regulator. 3,809,996, 5-7-74, Cl. 322-28.000
Meiser, Kenneth D., to Plastics Manufacturing Company. Decorated molded article and method of producing it. 3,816,232, 6-11-74, Cl. 161-146.000
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Meisler, Robert Walter, to Johns-Manville Corporation. Method of forming the bell end of a bell and spigot joint. 3,793,427, 2-19-74, Cl. 264-249.000.
Meisner, Alfred; and Spitzl, Walter, to Diehl. Bearing assembly for precision mechanisms. 3,836,213, 9-17-74, Cl. 308-159.000.
Meisner, Alfred; and Spitzl, Walter, to Diehl. Method of adjusting the frequency of transverse vibrators having a plurality of legs. 3,851,385, 12-3-74, Cl. 29-596.000
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Meissner, Helmuth E.; Orso, Francis L.; Pieree, Timothy E.; and Stiles, Janice L., to Corning Glass Works. Silicate binders. 3,804,650, 4-16-74, Cl. 106-84.000.
Meissner, Helmuth E.; and Stookey, Stanley D., to Corning Glass Works. Silicate bodies. 3,827,893, 8-6-74, Cl. 106-74.000.
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Meitinger, Heinz. Frequency divider circuit. 3,806,737, 4-23-74, Cl. 307-225.00b.
Meitinger, Heinz. Electronic switching circuit for electrically driven timepieces. 3,807,163, 4-30-74, Cl. 58-23.00a.
Meitinger, Heinz. Date correcting device. 3,807,166, 4-30-74, Cl. 58-58.000.
Meitinger, Heinz. Device for insulatedly assembling a component for electrically driven timepieces. 3,825,985, 7-30-74, Cl. 29-178.000.
Meitinger, Heinz. Device for adjusting the dial train of watches. 3,837,162, 9-24-74, Cl. 58-67.000.
Meitinger, Heinz. Electric timepiece. 3,842,588, 10-22-74, Cl. 58-28.00b.
Meitinger, Heinz, to Bifora-Uhren J. Bidlingmaier GmbH. Electric watch. 3,851,459, 12-3-74, Cl. 58-28.00b
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Melacini, Paolo, Patron, Luigi, Moretti, Alberto, and Tedesco, Raffaele, to Montedison Fibre S.p.A. Process for the bulk polymerization of acrylonitrile. 3,821,178, 6-28-74, Cl. 260-85.50r
Melacini, Paolo; Patron, Luigi; Moretti, Alberto, and Tedesco, Raffaele, to Montefibre S.p.A. Process for the bulk polymerization of acrylonitrile. 3,839,288, 10-1-74, Cl. 260-63.00n
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Melcher, Franz-Josef: *See*—
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Melchior, Hans, to Bell Telephone Laboratories, Incorporated. Liquid crystal display apparatus. 3,836,243, 9-17-74, Cl. 353-122.000
Melchior, Hans, to Bell Telephone Laboratories, Incorporated. Semiconductor delay line detector for equalization of optical fiber dispersion. 3,840,741, 10-8-74, Cl. 250-211.00J

Melchior, Jean, to Etat Francais. Combustion chambers for internal combustion engines equipped with a turbo-compressor unit with reheating upstream of the turbine. 3,849,988, 11-26-74, Cl. 60-606.000.

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Meldrum, Charles R., to Ace Controls Inc. Noise preventing shock absorber. 3,831,923, 8-27-74, Cl. 267-141.000.

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Melead, James J., to Beloit Corporation. Interchangeable die lips for extrusion die and independently adjustable deckles therefor. 3,829,274, 8-13-74, Cl. 425-466.000.

Melead, James J.; and Zink, Stanley C., to Beloit Corporation. Surface enveloper transfer winder. 3,857,524, 12-31-74, Cl. 242-56.00r.

Melenric, John Alden. High speed valveless resonant pulse jet engine. 3,823,554, 7-16-74, Cl. 60-249.000.

Meletti, Adolph; and Tamarin, Bernard J., to Vacuum Cleaner Corporation of America. Electrical cord-reel apparatus. 3,813,501, 5-28-74, Cl. 191-12.20r.

Melfi, Samuel T. Concrete form and clamp therefore. 3,795,393, 3-5-74, Cl. 269-116.000.

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Mello, William R., to Colt Industries Operating Corporation. Swivel head assembly for five axis machine tool. 3,823,644, 7-16-74, Cl. 90-17.000.

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Mellor, Harrison Clay. Game board with movable attached pieces. 3,814,433, 6-4-74, Cl. 273-132.000.

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Melton, Rosser B., Jr.; Clark, John M., Jr.; Mathis, Ronald J.; Weatherford, William D., Jr.; and Wood, Charles D., III, to Zachry, H. B., Company, mesne. Method for applying particulate coating material to a work piece. 3,801,346, 4-2-74, Cl. 117-16.000.

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Melugin, Leland A.: *See—*
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Melugin, Simeon A., to Lamcor Incorporated. In-line fuse holder. 3,843,050, 10-22-74, Cl. 337-213.000.

Melull, Frederick H.: *See—*
Staats, Henry N.; and Melull, Frederick H., 3,839,759.

Melville, Richard D. S.: *See—*
Johnston, Alan R.; and Melville, Richard D. S., 3,806,834.

Melvin, James M., Jr.: *See—*
Forsyth, Daniel H.; and Melvin, James M., Jr., 3,797,645.

Melvin, Raymond C., to Harnischfeger Corporation. Spot welding apparatus for welding end conductors in cylindrical electrical machine elements. 3,826,894, 7-30-74, Cl. 219-124.000.

Melvin, Samuel L.: *See—*
Fuller, Francis W.; Melvin, Samuel L.; and Merritt, Paul H., 3,845,654.

Melvin, William J., to Collins Radio Company. Data modem apparatus. 3,798,371, 3-19-74, Cl. 178-67.000.

Melvin, William J., to Collins Radio Company. Three-channel data modem apparatus. 3,808,376, 4-30-74, Cl. 179-15.00r.

Melvin, William J., to Collins Radio Company. Three-channel data modem apparatus. 3,809,821, 5-7-74, Cl. 179-15.00r.

Melvin, William J., to Collins Radio Company. Three channel PSK data modem apparatus. 3,821,481, 6-28-74, Cl. 179-15.00r.

Melvin, William J., to Collins Radio Company. Data modem apparatus. 3,838,415, 9-24-74, Cl. 340-347.0dd.

Melzer, Eugene: *See—*
Raatz, Helmuth E.; and Melzer, Eugene, 3,800,501.

Melzer, Paul Albin: *See—*
Antipov, Igor; and Melzer, Paul Albin, 3,826,698.

Memain, Jean Eugene Louis Emmanuel. Punching machine. 3,839,937, 10-8-74, Cl. 83-559.000.

Membre, Bernard Alfred Georges; and Clairet, Daniel Eugene Joseph Modeste, to Boussois S. A. Method and a device for introducing inner tubes into pneumatic tyres. 3,837,064, 9-24-74, Cl. 29-235.000.

Membrino, Robert J.; and Magee, Edward F., to Singer Company, The. Radio identification system simulator (IFF). 3,800,440, 4-2-74, Cl. 35-10.400.

Membrino, Robert J.; and Magee, Edward F., to Singer Company, The. Collision avoidance radar simulator system. 3,808,711, 5-7-74, Cl. 35-10.400.

Memco (Electronics), Limited: *See—*
Bloice, John Anthony, 3,796,208.

Memmel, Manfred, to SKF Industrial Trading and Development Company N.V. Slide bearings and journals. 3,819,241, 6-25-74, Cl. 308-3.00r.

Memorex Corporation: *See—*
Gardner, Thomas E.; and Popovici, Mihail C., 3,815,097.
Higgins, Ronald W.; and Massaro, Donald J., 3,812,535.
Hurtig, Roy E.; and Geri, Don W., 3,836,091.
Kahn, Michael E., 3,786,457.
Monett, Michael Ross, 3,810,234.
Nilson, Jay Brent; and Bailey, Earl N., 3,800,326.
Stoddard, David L.; Balbas, Frank M.; and Brown, David A., 3,815,150.
Tanck, Elinor J.; Hulse, Lauren L.; and Kelly, Paul P., 3,806,458
Thompson, Herbert E., 3,805,290.

Memorex Corporation, mesne: *See—*
Bowers, George W., Jr.; Broski, Tony W., Jr., and Pastrone, John, 3,805,698.

Memory-Plastic Gunter Wengel: *See—*
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Mena, Andre: *See—*
Pons, Rene; Poyet, Marcel; Desbert, Jean, and Mena, Andre, 3,837,843.

Menachem, Surkes; Kis, Ivan, and Nathan, Rosental, to State of Israel, Atomic Energy Commission, The. Rotary drum for storing radio-active objects. 3,787,699, 1-22-74, Cl. 250-307.000.

Menapace, Henry R.: *See—*
Maly, Neil A., Menapace, Henry R.; and Benner, Gerald S., 3,784,629.
Maly, Neil A., Menapace, Henry R.; and Benner, Gerald S., 3,784,630.

Menapace, Henry R.; Benner, Gerald S.; and Maly, Neil A., to Goodyear Tire & Rubber Company, The. Dimerization or codimerization of alpha olefins. 3,784,631, 1-8-74, Cl. 260-683.15d.

Menard, Christophe: *See—*
Chretien, Gilbert; Cirard, Philippe; Lamy, Jean-Marc, and Menard, Christophe, 3,816,560.

Menard, Claude: *See—*
Chevalier, Paul; Menard, Claude, and Dorval, Bertrand, 3,790,768.

Menard, George. Potter's wheel drive system. 3,796,105, 3-12-74, Cl. 74-209.000.

Menary, Robert F., to Paulmar Incorporated. Apparatus for inspecting strip material. 3,856,414, 12-24-74, Cl. 356-200.000.

Menasco Manufacturing Co.: *See—*
Kendall, Giles A., and Wallace, William D., 3,819,060.

Menasco Manufacturing Company: *See—*
Bhutani, Harish K.; Oda, Albert Y.; and Hughes, Ronald A., 3,808,942.
Kendall, Giles A., and Bhutani, Harish K., 3,795,390.

Menashi, Wilson P.; Wenckus, Joseph F.; and Castonguay, Roger A., to Little, Arthur D., Inc. Method and apparatus for direct melt synthesis of intermetallic compounds. 3,825,242, 7-23-74, Cl. 266-39.000.

Menasse, Raphael: *See—*
Sturm, Elmar, and Menasse, Raphael, 3,821,247.

Mencacci, Samuel A.: *See—*
Abbott, John A.; and Mencacci, Samuel A., 3,788,392.

Mencacci, Samuel A., to FMC Corporation. Evaporator having moving heat exchange tubes. 3,788,375, 1-29-74, Cl. 159-25.00a.

Mencacci, Samuel A., Strasser, Jurgen H., and Toran, Luis Burgos, to International Machinery Corporation S.A. Skinning of fish. 3,806,616, 4-23-74, Cl. 426-376.000.

Mencacci, Samuel Alfred, to International Machinery Corporation S.A. Spinner nozzle for air blast orchard sprayer. 3,791,582, 2-12-74, Cl. 239-222.170.

Mend, William; and Treude, Robert C., to Westinghouse Electric Corporation. Phototransistor array having reduced crosstalk. 3,838,276, 9-24-74, Cl. 250-211.00j.

Mende, Wilhelm, & Co.: *See—*
Ettel, Hubert, 3,825,462.
Ettel, Hubert, 3,832,115.

Mendel, Arthur: *See—*
Harrington, Joseph Kenneth; Kvam, Donald C., Mendel, Arthur, and Robertson, Jerry E., 3,801,588.

Mendelsohn, Jean Claude; and Blanc, Jean Henri, to Societe Nationale des Petroles d'Aquitaine. Production of styrene. 3,855,330. 12-17-74, Cl. 260-669.00r.

Mendelsohn, Morris A.; and Smith, James D. B., to Westinghouse Electric Corporation. Tape insulated conductor. 3,845,438. 10-29-74, Cl. 336-209.000.

Mendelson, Ralph A.: *See*—
Kirkpatrick, Milton E.; and Mendelson, Ralph A., 3,782,926.
Kirkpatrick, Milton E.; and Mendelson, Ralph A., 3,835,210.

Mendelson, Ralph A., Staudhammer, Karl P.; and Valencia, Roberto, Jr., to United States of America, Interior, mesne. Corrosion resistant, non-austenitic Fe-Ni-Mo-Co-Se alloy. 3,782,923. 1-1-74, Cl. 75-122.000.

Mendelson, Wilford L., to Smithkline Corporation. Process of preparing pyridyl ketones. 3,840,547. 10-8-74, Cl. 260-297.00r.

Mendenhall, Edward V. Method of making branched plastic conduits. 3,798,097. 3-19-74, Cl. 156-152.000.

Mendenhall, Robert L. Apparatus for producing asphalt-aggregate compositions. 3,845,941. 11-5-74, Cl. 259-157.000.

Mendenhall, Walter M., to Modern Display Plastics Inc. Interlocking display shelf arrangement. 3,832,957. 9-3-74, Cl. 108-64.000.

Mendes, Joseph B. Tire repair element. 3,842,887. 10-22-74, Cl. 152-370.000.

Mendes, Robert F. Fire ladder extension apparatus. 3,825,096. 7-23-74, Cl. 182-86.000.

Mendicino, Frank Dominic: *See*—
Boersma, Robert Paul; Mendicino, Frank Dominic; and Omietanski, George Michael, 3,809,713.

Mendies, Patrick John: *See*—
Beck, Maurice Sidney; Calvert, George; Mendies, Patrick John; and Cunlifee, Malcolm, 3,820,392.

Mendoza, Carl: *See*—
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Mendoza, Fausto Celorio. Oven arrangement. 3,854,864. 12-17-74, Cl. 432-130.000.

Menefee, Julius H.; Novak, William P.; and White, John A., to Bieron Corporation. Scintillation meter-type spectrometer. 3,798,448. 3-19-74, Cl. 250-71.50r.

Menegatto, Carlo. Spindle unit for textile machine. 3,834,143. 9-10-74, Cl. 57-16.000.

Meneghini, Pietro: *See*—
Dall'Asta, Gino; and Meneghini, Pietro, 3,798,291.
Dall'Asta, Gino; Meneghini, Pietro; and Gennaro, Ugo, 3,821,183.

Menegus, Robert L. Sailboat steering aid. 3,830,183. 8-20-74, Cl. 114-144.00e.

Menelly, Richard A., to International Telephone and Telegraph Corporation. Emissive electrode. 3,798,492. 3-19-74, Cl. 313-346.000.

Menelly, Richard A., to International Telephone and Telegraph Corporation. Coated coil emissive electrode. 3,837,909. 9-24-74, Cl. 117-224.000.

Menelly, Richard A., to International Telephone and Telegraph Corporation. Method of activating electron emissive electrodes. 3,842,469. 10-22-74, Cl. 29-25.110.

Menet, Albert: *See*—
Chabardes, Pierre; Julia, Marc; and Menet, Albert, 3,848,000.
Chabardes, Pierre; Julia, Marc; and Menet, Albert, 3,850,991.

Menet, Albert, to Rhone-Poulenc S.A. Ether sulphones. 3,835,195. 9-10-74, Cl. 260-607.00a.

Meng, Karl: *See*—
Linke, Siegfried; Sitt, Rudiger, Horstmann, Harald; and Meng, Karl, 3,787,431.

Menge, Aumuehle Heinz Guenter: *See*—
Haekmaek, Gerhard; and Menge, Aumuehle Heinz Guenter, 3,830,818.

Menge, Donald C., to Troy Steel Corporation. Method of prefabricating a truss. 3,853,162. 12-10-74, Cl. 144-326.00r

Mengel, Klaus. *See*—
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Laurent, Henry; Wiechert, Rudolf; Prezewowsky, Klaus; Hofmeister, Helmut; Gerhards, Erich; Kolb, Karl Heinz; and Mengel, Klaus, 3,824,260.
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Mengel, Lloyd A., to Eastman Kodak Company. Apparatus for piercing a container. 3,788,519. 1-29-74, Cl. 222-83.500.

Mengeringhausen, Max; Quenzel, Hermann, Gehrig, Reinhold, and Spanheimer, Willi, to Mero AG. Apparatus for the manufacture of hollow rod elements. 3,783,232. 1-1-74, Cl. 219-124.000.

Mengeringhausen, Max, to Mero AG. Process and apparatus for the production of connectors for space frameworks or the like. 3,826,584. 7-30-74, Cl. 408-35.000.

Mengeringhausen, Max, to Mero AG. Process for the production of connectors for space frameworks or the like. 3,841,780. 10-15-74, Cl. 408-1.000.

Mengeringhausen, Max, to Mero AG. Apparatus for the production of connectors for space frameworks or the like. 3,841,781. 10-15-74, Cl. 408-35.000.

Mengeringhausen, Max, to Mero AG. Apparatus for the production of connectors for space frameworks or the like. 3,841,782. 10-15-74, Cl. 408-50.000.

Mengeringhausen, Max, to Mero AG. Apparatus for the production of connectors for space frameworks or the like. 3,841,783. 10-15-74, Cl. 408-50.000.

Mengeringhausen Max, to Mero AG. Apparatus for the production of connectors for space frameworks or the like. 3,841,784. 10-15-74, Cl. 408-50.000.

Mengeringhausen, Max, to Mero AG. Apparatus for the production of connectors for space frameworks or the like. 3,850,540. 11-26-74, Cl. 408-50.000.

Menges, Louis J.; and Wolff, Robert H., to Marathon Rollers, Incorporated. Hickey roll and method of making same. 3,808,657. 5-7-74, Cl. 29-120.000.

Menghini, Angelo, to Giacomo Cortinovis. Apparatus for reproducing relief images on solid bodies. 3,831,575. 8-27-74, Cl. 125-7.000.

Mengler, Helmut; Rosch, Gunter; Schinzel, Erich; and Smerz, Otto, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Styryl-pyrazoline compounds. 3,835,126. 9-10-74, Cl. 260-239.900.

Menhennett, Herbert E.: *See*—
Howard, Robert; Robinson, Prentice L.; and Menhennett, Herbert E., 3,823,397.

Menichelli, Vincent J.: *See*—
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Menichetti, Piero. Lamp consisting of modular elements. 3,798,438. 3-19-74, Cl. 240-10.00r.

Menick, Jack E.: *See*—
Furon, Leon D.; Robinson, John A.; and Menick, Jack E., 3,828,609.

Menikheim, Virginia C., to Monsanto Company. Method for producing graphitizable substrates from acrylic fibers. 3,814,577. 6-4-74, Cl. 8,115.500.

Menikheim, Virginia C., to Monsanto Company. Process for treating acrylic fibers to obtain carbonizable and graphitizable substrates. 3,817,700. 6-18-74, Cl. 8-115.500.

Menini, Corrado, to Lamborghini Oleodinamica S.p.A. Gear pump with balanced side sealing bushes. 3,816,042. 6-11-74, Cl. 418-132.000.

Menissez, Jean-Pierre: *See*—
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Vaillant, Christian; and Menissez, Jean-Pierre, 3,848,818.

Menissier, Pierre Lucien: *See*—
Chaulet, Roger Louis; Guichard, Claude Pierre Albert Louis; Menissier, Pierre Lucien; and Soret, Jean-Claude Georges, 3,800,848.

Menk, Melvin A., to General Motors Corporation. Clothes washer having a siphon-actuated flood control arrangement. 3,785,181. 1-15-74, Cl. 68-208.000.

Menke, Franz, to Eltro GmbH & Co. Method for measuring range of vision. 3,788,745. 1-29-74, Cl. 356-104.000.

Menke, Richard S.: *See*—
Schmidt, Robert P.; and Menke, Richard S., 3,790,165.

Menke, Wilhelm, to NSM Apparatebau GmbH Kommanditgesellschaft. Cash box with coin counter. 3,825,729. 7-23-74, Cl. 235-92.0cn.

Menke, Wilhelm, to NSM Apparatebau GmbH Kommanditgesellschaft. Coin operated apparatus. 3,856,126. 12-24-74, Cl. 194-1.00r

Menley & James Laboratories, Ltd.: *See*—
Calabrese, Anthony J.; Stettler, Wayne J.; and Zwiren, Jan Marie, 3,809,785.
De Palma, Peter D.; and Loux, Joseph J., 3,793,447.
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Lee, Hwalin, Pallos, Ferenc M.; and Menn, Julius J., 3,851,061.
Letchworth, Peter E.; Menn, Julius J.; and Pallos, Ferenc M., 3,810,989.
Pallos, Ferenc M.; and Menn, Julius J., 3,816,502.
Pallos, Ferenc M.; Lee, Hwalin; and Menn, Julius J., 3,825,602.

Menn, Julius Joel, to Stauffer Chemical Company. Anthelmintic bisthioureido benzene derivative. 3,810,992. 5-14-74, Cl. 424-300.000.

Mennborg, Hans-Jorgen Theodor: *See*—
Axenborg, Carl Evert; Mennborg, Hans-Jorgen Theodor; and Wedin, Sten Henrik, 3,802,651.

Menne, Eugene P., to Johnson Diversified, Inc. Dual drag for fishing reels. 3,814,349. 6-4-74, Cl. 242-217.000.

Menne, Guenther: *See*—
Asselborn, Peter; Haase, Gerhard; and Menne, Guenther, 3,843,909.

Menne, Heinz. *See*—
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Menne, Heinz; Schirp, Wilhelm; and Eckhardt, Otto, to Benteler-Werke Aktiengesellschaft. Air conditioner. 3,831,669. 8-27-74, Cl. 165-122.000.

Menne, Joseph D.; and Sigulas, George N., to Caterpillar Tractor Company. Cutter head and method of forming same. 3,820,227. 6-28-74, Cl. 29-445.000.

Mennedes, Werner: *See*—
Haller, Herbert; and Mennedes, Werner, 3,797,888.

Mennekes, Werner: *See*—
Schwandt, Wolfgang; Mennekes, Werner; Weinhold, Heinz; and Weirich, Walter, 3,795,108.

Mennen Company, The: *See*—
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Barchas, Myron, 3,839,220.
Brady, Thomas J.; Lawrence, Richard L.; Gonnella, Carmen J.; and Metzler, Gottfried, III, 3,834,596.
Fanger, Gene O.; Flinn, James E.; Hollingsworth, Ralph G.; and Nack, Herman, 3,843,557.
Metzler, Gottfried, III, 3,786,963.

Mennesson, Andre Louis, to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Fuel feed devices for internal combustion engines. 3,802,406. 4-9-74, Cl. 123-198.0db.

Mennesson, Andre Louis, to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Injection devices for internal combustion engines. 3,826,233. 7-30-74, Cl. 123-119.00r.

Mennesson, Andre Louis, to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Carburettors provided with a starting device with an eccentric flap valve. 3,848,857. 11-19-74, Cl. 261-39.00b.

Mennesson, Francois Paul, to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Fuel feed devices for internal combustion engines. 3,839,997. 10-8-74, Cl. 123-32.0ea.

Menninger Foundation, The: *See*—
Hartzell, Rex A.; Callies, Duane L., Spencer, Wendell H., Albright, Darrell; and Green, Elmer E., 3,821,949.

Menoiux, Claude Charles Felix: *See*—
Soligny, Marcel Robert, Bouiller, Jean Georges; and Menoiux, Claude Charles Felix, 3,807,639.

Menold, Robert F.: *See*—
Davison, Ellison L.; and Menold, Robert F., 3,845,505.

Menold, Robert F.; and Summers, James J., to Mine Safety Appliances Company. Goggle-supporting assembly for hard hats. 3,781,915. 1-1-74, Cl. 2-10.000.

Menough, Richard M.; and Cuddigan, Robert W., to Gates Rubber Company, The. Breaker bands for pneumatic tire. 3,837,387. 9-24-74, Cl. 152-361.00r.

Menschner, Johannes, Textilmaschinenfabrik, Firma: *See*—
Van Amsterdam, Cornelis Johannes Maria, 3,843,861.

Mensenkamp, Ewald; and Cordes, Phil Heinrich, to Stahlwerke Peine-Salzgitter AG. Method of inhibiting corrosion of metal surfaces. 3,788,880. 1-29-74, Cl. 117-70.008.

Menshen, Arnold. Clamping apparatus. 3,856,244. 12-24-74, Cl. 248-54.00r.

Mensi, Domenico. *See*—
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Mensier, Alain, to M.A.V. (Methodes Audio-Visuelles). Sound pick-up device for playing back records of small diameters on electric gramophones or and other reproducing apparatus provided with automatic stop. 3,844,571. 10-29-74, Cl. 274-39.00r.

Mentha, John W.: *See*—
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., 3,849,407.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., 3,849,470.
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Cresswell, Ronald M., Mentha, John W., and Seaman, Russell L., 3,852,276.
Cresswell, Ronald M., Mentha, John W., and Seaman, Russell L., 3,855,265.

Mentha, John W., Shaffner, Janice V., and Cresswell, Ronald M., to Burroughs Wellcome Co. Method and intermediates for the preparation of pyrimidine compounds. 3,849,416. 11-19-74, Cl. 260-256.40n.

Mentone, Pat F.: *See*—
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Mentone, Pat F.; Myers, Thomas L.; Jensen, Gary D., and Miettunen, Robert E., to Buckbee-Mears Company. Reusable shields for selective electrodeposition. 3,835,017. 9-10-74, Cl. 204-224.00r

Mentrup, Anton: *See*—
Renth, Ernst-Otto, Mentrup, Anton; Schromm, Kurt; and Giesemann, Rolf, 3,808,212.
Renth, Ernst-Otto, Schromm, Kurt; and Mentrup, Anton, 3,855,062

Mentrup, Anton, Schromm, Kurt, Thoma, Otto, and Zeile, Karl, to Boehringer Ingelheim GmbH. 1-(2',3',4'-Trisubstituted-phenyl)-2-amino-alkanols-(1) and salts thereof. 3,804,834. 4-16-74, Cl. 260-254.000.

Mentrup, Anton; Zeile, Karl; Danneberg, Peter; Schromm, Kurt; Guenard, Jeanette, Renth, Ernst-Otto, and Stotzer, Harry, to Boehringer Ingelheim GmbH. Pharmaceutical compositions containing an N-(1-bicyclic aryl-propyl-2)-N-phenyl-piperazine. 3,846,549. 11-5-74, Cl. 424-250.000.

Mentzer, James A. Bridge bidding indicator. 3,784,719. 1-8-74, Cl. 35-8.00b.

Menu, Edouard, to Fives Lille-Cail. Cooling arrangement for converter vessel wall. 3,799,524. 3-26-74, Cl. 266-35.000.

Menz, Elsie L., to Xerox Corporation. Image transfer process and also known as D/2888. 3,825,423. 7-23-74, Cl. 96-1.400.

Menz, Elsie L., to Xerox Corporation. Image transfer process. 3,837,883. 9-24-74, Cl. 117-17.500.

Menzel, Alvin Lewis; Hiseler, Stanley Robert, Kessler, Kenneth Quentin; and Nelson, Edward George, to Deere & Company. Tree Harvester. 3,833,034. 9-3-74, Cl. 144-3.00d.

Menzel, Alvin Lewis; and Shepherd, Leonard Laverne, to Deere & Company. Combination tree support and stacking blade for tree harvester. 3,840,058. 10-8-74, Cl. 144-3.00d.

Menzel, Gerhard, Seidel, Eckhard, and Jaenichen, Gunther, to Chemische Werke Huls Aktiengesellschaft. Thermoplastic compound of polybutene-1. 3,856,726. 12-24-74, Cl. 260-23.00h.

Menzel, John K.: *See*—
Press, Irving D.; Rink, Helmi A., and Menzel, John K., 3,811,649.

Menzel, Otto C., to Iplex Plastic Industries Pty., Ltd. Fluid outlet for pipes. 3,789,868. 2-5-74, Cl. 137-317.000.

Menzel, Ramon, to Laser Alignment, Inc. Method and apparatus for laying a pipeline. 3,827,155. 8-6-74, Cl. 33-228.000.

Menzel, Stanley William Otto, to Iplex Plastic Industries Pty. Ltd. Pressure reducing valve and flow control device. 3,815,636. 6-11-74, Cl. 138-43.000.

Menzel, Waldemar, to Ireks Arkady G m b H., Firma. Ice cream machine. 3,811,494. 5-21-74, Cl. 165-65.000.

Menzer, Anton: *See*—
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Menzi, Ulrich, to Paillard S.A. Character selection and impression control mechanism for typewriter. 3,788,443. 1-29-74, Cl. 197-16.000.

Menzies, John Ian; and Menzies, Maureen, to Heatshield Research and Development Pty. Ltd. Apparatus for making heat-insulating panel or sheet. 3,856,608. 12-24-74, Cl. 156-468.000.

Menzies, Maureen: *See*—
Menzies, John Ian, and Menzies, Maureen, 3,856,608.

Menzl, Roland L.: *See*—
Bertolacini, Ralph J.; Hopkins, Paul Donald; and Menzl, Roland L., 3,841,995.

Meoni, Angelo, to Cemsa. Method of reproducing flat keys and tools used to this end. 3,791,240. 2-12-74, Cl. 76-110.000.

Meopta, narodni podnik. *See*—
Langer, Vojtech, Nesvadba, Emil, and Prerova, Rokytnice U., 3,829,210.
Paukert, Miloslav, and Vasicova, Marie, 3,854,798.

Mephan, Herbert J., and Rempfer, Gertrude F., to Elektros, Inc. Automatic identification and magnification marking system for micrographs. 3,838,435. 9-24-74, Cl. 354-109.000.

Meps, Inc., mesne: *See*—
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Mera, Masashi: *See*—
Takano, Tadayoshi, Kurita, Masaru, Nikando, Hiroo, Mera, Masashi, Konishi, Nobukiyo, and Okui, Ritsuko, 3,799,923.
Takano, Tadayoshi, Kurita, Masaru, Nikando, Hiroo, Mera, Masashi, Konishi, Nobukiyo, and Okui, Ritsuko, 3,819,623.

Merakib, Mohammed. *See*—
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Merle, Michel, to Andrew Corporation. Corrugated waveguide construction. 3,822,411, 7-2-74, Cl. 333-95.00a.
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Merlino, Eugene Louis, Jr.; Brinning, Earl Edward; and Naeyaert, Roger Stanley, to Burroughs Corporation. Punched card, badge and credit card reader. 3,849,631, 11-19-74, Cl. 235-61.11b.
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Merola, Anthony, to Amerola Products Corporation. Retention of vise combination. 3,856,292, 12-24-74, Cl. 269-135.000.
Merola, Vincent Anthony. Footwear upper protector for cycle riders. 3,812,606, 5-28-74, Cl. 36-72.00r.
Meronek, Petro W. Flow control device. 3,837,363, 9-24-74, Cl. 138-45.000.
Merrell, Kenneth C., to Robertshaw Controls Company. Capacitance responsive detector system. 3,811,051, 5-14-74, Cl. 307-118.000
Merrell, Kenneth C.; Scott, Timothy E.; Brushwyler, Gordon R.; Koegel, James H.; and Poindexter, William E., to Robertshaw Controls Company. Continuous respirmometer apparatus. 3,813,325, 5-28-74, Cl. 204-195.00b.
Merrell, Kenneth C.; and Petersen, Oscar J., to Robertshaw Controls Company. Miniature capacitance level detector. 3,831,069, 8-20-74, Cl. 317-246.000
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Merren, Thomas Oliver, to Associated Electrical Industries Limited. Mass spectrometry. 3,796,872, 3-12-74, Cl. 250-283.000.
Merriam, Charles J. Non-ionic fluid thermometer for microwave oven. 3,849,622, 11-19-74, Cl. 219-10.550
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Merrill, Claude I., to Dow Chemical Company, The. Preparing chlorine pentafluoride. 3,843,770, 10-22-74, Cl. 423-489.000.
Merrill, Duane F.; and Lavan, Philip J., to General Electric Company. Method for preparing fast curing silanol-containing organopolysiloxane resins and use of such resins. 3,786,015, 1-15-74, Cl. 260-32.8sb.
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Merrill, Edward W., Estin, Hans H.; Cronkhite, Leonard W., Jr.; and Wolbach, William W., Trustees of the River, Charles, Foundation. Filter for removing polynuclear aromatic hydrocarbons form tobacco smoke. 3,828,801, 8-13-74, Cl. 131-265.000.
Merrill, Edward W., to River, Charles, Foundation, Trustees of the. Hydrophilic silicone composition and method. 3,832,458, 8-27-74, Cl. 424-19.000.
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Merrill, La Vaun S., Jr., to Marathon Oil Company. Method of pumping waxy crude oil. 3,853,356, 12-10-74, Cl. 302-66.000
Merrill, La Vaun S., Jr.; and Schilson, Robert E., to Marathon Oil Company. Process for the production of synthesis gas, cracked hydrocarbon and calcined coal. 3,855,336, 12-17-74, Cl. 260-679.00r.
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Merrill, Marcellus S. Method and apparatus for determining caster trail. 3,793,734, 2-26-74, Cl. 33-203.120.
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Merriman, Horace B., to Mobil Oil Corporation. Method and apparatus for simultaneously fractionating a plurality of crude oils. 3,846,249, 11-5-74, Cl. 196-111.000.
Merriman, James R.; Pashley, John H.; Stephenson, Michael J.; and Dunthorn, David I., to United States of America, Atomic Energy Commission. Recovery of purified helium or hydrogen from gas mixtures. 3,785,120, 1-15-74, Cl. 55-44.000.
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Mertens, Oswald; and Schulz, Helmut. Method and means for regulating the tensioning of workpieces in multi-pass cold-drawing apparatus. 3,798,939, 3-26-74, Cl. 72-800.000.
Mertens, Willi, to Siemens Aktiengesellschaft. Insulating tape for the manufacture of an insulating jacket for electric conductors impregnated with a termosetting epoxy resin acidanhydride curing mixture. 3,841,959, 10-15-74, Cl. 161-163.000.
Mertens, Wolfgang, to Heizer, Kurt. Safety seat, particularly for automotive vehicles. 3,802,737, 4-9-74, Cl. 297-216.000.
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Acker, Jesse L.; and Meserol, Peter M., 3,837,746.
Meserve, Forrest Clayton; and Raabe, Ralph Christian, Jr., to Bandag Incorporated. Siping drum and apparatus for forming siping slashes. 3,820,580, 6-28-74, Cl. 157-13.000.
Mesh, Theodore, to Gilbert and Barker Manufacturing Company. Electronic dispensing nozzle. 3,814,146, 6-4-74, Cl. 141-1.000.
Mesh, Theodore Julius; and Devine, George Thomas, to Gilbert & Barker Manufacturing Company. Pulse generating apparatus responsive to shaft rotation. 3,814,934, 6-4-74, Cl. 250-231.0se.
Meshberg, Philip. Childproof actuator assembly. 3,848,778, 11-19-74, Cl. 222-402.110.
Meshorer, Asher: *See*—
Teitelbaum, Dvora; Gan, Ramat; Meshorer, Asher; Hirshfeld, Tsvi; Arnon, Ruth; and Sela, Michael, 3,849,550.
Mesiah, Raymond N.; Chancey, Harold R.; and Cohen, Milton, to FMC Corporation. Trichloroisocyanuric acid manufacture. 3,810,892, 5-14-74, Cl. 260-248.00c.

Mesich, Frank G.; Bedford, John A.; and Dougherty, Edward F., to Celanese Corporation. Hydrogenolysis of carboxylic acids with cobalt catalysts. 3,848,003, 11-12-74, Cl. 260-635.00d.
Mesker Industries, Inc.: *See*—
Wilder, Charles M. G.; and Cook, Sanford L., 3,834,101.
Mesley, Nimrod N.: *See*—
Ameen, Thomas J.; and Mesley, Nimrod N., 3,827,918.
Mesly, Xavier, to Bombardier Limited. Method and apparatus for making endless belts. 3,791,897, 2-12-74, Cl. 156-137.000.
Mesnel, Francois Pierre, to Etablissements Mesnel. Sealing arrangement for vehicle doors. 3,803,766, 4-16-74, Cl. 49-484.000.
Mesnel, Francois Pierre, to Etablissements Mesnel. Method of shaping a sealing strip. 3,837,957, 9-24-74, Cl. 156-221.000.
Mesnet, Jean Dominique Francois; Remon-Beauvais, Philippe Marie Antoine Jacques; Barbarin, Jean Francois; Le Guennec, Raymond Louis; and Daddon, Georges Edouard Louis Leon, to Etat Francais. Apparatus for docking a helicopter. 3,790,111, 2-5-74, Cl. 244-11.000.
Messa, Pietro. Anti-clogging means for automatic thread-knotting devices. 3,799,590, 3-26-74, Cl. 289-3.000.
Messa, Pietro. Automatic thread-knotting device. 3,838,874, 10-1-74, Cl. 289-2.000.
Messenger, Edward J., to Garlock Inc. Shaft seal. 3,801,111, 4-2-74, Cl. 277-58.000.
Messenger, Edward J., to Garlock Inc. Oil seal. 3,843,139, 10-22-74, Cl. 277-37.000.
Messenger, Joseph U., to Mobil Oil Corporation. Lost circulation control. 3,788,406, 1-29-74, Cl. 175-72.000.
Messenger, Joseph U., to Mobil Oil Corporation. Process of treating a well using a lightweight cement. 3,804,058, 4-16-74, Cl. 166-292.000.
Messenger, William E., to Scovill Manufacturing Company. Childproof aerosol actuator consisting of two members operative by relatively rotating the two members. 3,782,605, 1-1-74, Cl. 222-153.000.
Messer Griesheim G.m.b.H.: *See*—
Auer, Rupert, 3,790,742.
Fenger, Horst; and Pfeifer, Ferdinand, 3,820,598.
Friedel, Karlo; Neander, Erich; and Kleist, Hans, 3,822,059.
Hahn, Gunter; and Hannappel, Gunther, 3,812,412.
Juncker, Friedrich, 3,798,917.
Klehrmann, Jurgen; and Duesberg, Wilfried, 3,803,859.
Krauss, Hans Ludwig; and Stach, Hans, 3,852,406.
Lucht, Alfred, 3,856,282.
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Roeder, George; and Schmidt, Claus, 3,809,308.
Rohe, Josef; and Staacks, Dieter, 3,783,229.
Tajbl, Franz; and Kolbl, Erwin, 3,803,382.
Messer Griesheim G.m.b.H., mesne: *See*—
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Messer, Mayer Naoum: *See*—
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Challier, Jean-Louis; Jeanmart, Claude; and Messer, Mayer Naoum, 3,853,880.
Cotrel, Claude; Jeanmart, Claude; and Messer, Mayer Naoum, 3,847,921.
Farge, Daniel; and Messer, Mayer Naoum, 3,833,573.
Jeanmart, Claude; Messer, Mayer Naoum; and Simon, Pierre, 3,822,269.
Messer, Thomas V. Back rest. 3,822,424, 7-9-74, Cl. 5-344.000.
Messer-Schmidt, Sebastian, Spezialmaschinenfabrik: *See*—
Messerschmidt, Klaus, 3,791,083.
Messera, Dominic; and Messera, Louis. Ignition starter lock key removal system. 3,826,116, 7-30-74, Cl. 70-388.000.
Messera, Louis: *See*—
Messera, Dominic; and Messera, Louis, 3,826,116.
Messerschmidt, Jurgen: *See*—
Schimmer, Rigobert; and Messerschmidt, Jurgen, 3,788,895.
Schimmer, Rigobert; Gesing, Horst; Beerwerth, Wolfgang; and Messerschmidt, Jurgen, 3,800,408.
Messerschmidt, Klaus, to Messer-Schmidt, Sebastian, Spezialmaschinenfabrik. Apparatus for machining balls. 3,791,083, 2-12-74, Cl. 51-117.000.
Messerschmidt, Otto, to Otto, C., Dr., & Comp. G.m.b.H. Regenerator for coke ovens. 3,838,017, 9-24-74, Cl. 202-141.000.
Messerschmitt-Bolkow Blohm Gesellschaft mit beschrankter Haftung: *See*—
Stengel, Max; Kollmer, Werner; and Grassl, Manfred, 3,792,189.
Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung: *See*—
Born, Gunthard; Erben, Klaus-Dieter; and Mohr, Friedbert, 3,829,792.
Born, Gunthard, 3,848,830.
Boss, Holm Diethard; and Butschek, Hans Albert, 3,834,279.
Bremm, Friedrich, 3,853,290.
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Erben, Klaus-Dieter; Kroy, Walter; and Mehnert, Walter E., 3,845,411.
Erk, Adil; and Bohn, Lutz, 3,818,152.
Frankle, Helmut; and Schmalzriedt, Fritz, 3,851,468.
Gottzein, Eveline; and Klamka, Norbert, 3,804,024.
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Held, Manfred, 3,788,225.
Helmcke, Conrad; Hermann, Walter; and Kraus, Peter, 3,809,803.
Helmcke, Conrad; Hermann, Walter; and Kraus, Peter, 3,836,770.
Helmcke, Conrad D.; and Wendt, Hans J., 3,790,780.
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Karch, Ludwig; and Nowack, Siegfried, 3,820,470.
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Kopp, Gerhard, 3,829,021.
Liefeld, Gustav; and Kurvin, Charles, 3,842,400.
Mautz, Karlheinz; and Schwarz, Alois, 3,824,037.
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Schubert, Johannes; and Schnabele, Werner, 3,815,469.
Steenbeck, Ulf; and Weidinger, Hans, 3,828,686.
Steenbeck, Ulf, 3,847,086.
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Messersmith, Eugene, to Synthane-Taylor Corporation. Pawl bar assembly. 3,788,460, 1-29-74, Cl. 198-221.000.
Messick, Mikel Jay: *See*—
Hughes, Ronald W.; Messick, Mikel Jay; and Volpe, John Rodgers, 3,819,956.
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Lucien, Rene; and Masclet, Jean, 3,804,213.
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Messina, Benedicto U.: *See*—
Duke, Keith A.; and Messina, Benedicto U., 3,836,957.
Messina, Gianmario. Apparatus for automatic and controlled positioning of anodes in electrolytic cells for producing ferrous and nonferrous metals. 3,850,305, 11-26-74, Cl. 212-21.000.
Messina, Gino. Pivot hinge. 3,855,667, 12-24-74, Cl. 16-168.000.
Messina, Giuseppe; Lorenzoni, Loreno; and Bertolini, Natale, to Societa' Italiana Resine S.I.R. S.p.A. Process for the alkylation of aromatic hydrocarbons. 3,856,878, 12-24-74, Cl. 260-671.00c.
Messina, Joseph F.; and Mertwoy, Abraham, to United States of America, Army. Method for rapidly operating ground equipment embodying hydraulic system using all season petroleum hydraulic fluid. 3,791,976, 2-12-74, Cl. 252-75.000.
Messina, Joseph T. Modular furniture structure. 3,790,241, 2-5-74, Cl. 312-111.000.
Messina, Philip: *See*—
Wood, Louis L.; Messina, Philip; and Frisch, Kurt C., 3,833,386.
Messina, Richard J.: *See*—
Messina, Victor J.; and Messina, Richard J., 3,825,290.
Messina, Steve J., to Ethyl Corporation. Allyl halide-monoolefin condensation product. 3,832,412, 8-27-74, Cl. 260-654.00r.
Messina, Victor J.; and Messina, Richard J. Sliding door lock bar apparatus. 3,825,290, 7-23-74, Cl. 292-262.000.
Messineo, Joseph R., to United States of America, Army. Dual purpose grenade. 3,855,933, 12-24-74, Cl. 102-56.000.
Messing, Bernd, to Hahn, Carl, Dr., KG. Tampon having an insertion end of lesser density than the body portion. 3,854,481, 12-17-74, Cl. 128-285.000.
Messing, Ralph A., to Corning Glass Works. Method of stabilizing enzymes. 3,802,997, 4-9-74, Cl. 195-68.000.
Messing, Ralph A., to Corning Glass Works. Adsorbing and cross-linking enzymes within the pores of porous glass. 3,804,719, 4-16-74, Cl. 195-68.000.
Messing, Ralph A., to Corning Glass Works. Apparatus and method for measuring conductivity change in a glucose-glucose oxidase reaction. 3,839,154, 10-1-74, Cl. 195-103.50c.

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Messing, Ralph A., to Corning Glass Works. Synergistic enzymes adsorbed within porous inorganic carriers. 3,841,971, 10-15-74, Cl. 195-63.000.

Messing, Ralph A., to Corning Glass Works. Enzymes immobilized on porous inorganic support materials. 3,850,751, 11-26-74, Cl. 195-63.000.

Messinger, Norman A., to Narco Scientific Industries, Inc. Minimum reliable signal indicator for aircraft. 3,820,026, 6-25-74, Cl. 325-364.000.

Messinger, Werner; Zimmermann, Klaus; and Seiffert, Florian, to Braun Aktiengesellschaft. Dryshaver with an adjustable protectile sleeve. 3,793,724, 2-26-74, Cl. 30-41.000.

Messman, Henry C., to Kingsford Company, The, mesne. Artificial fireplace log. 3,843,336, 10-22-74, Cl. 44-25.000.

Messmer, Edwin E. Label applicator. 3,783,077, 1-1-74, Cl. 156-446.000.

Messmer, Hubert; Monnerjahn, Walter; and Rudolph, Werner. Warning blinker. 3,823,384, 7-9-74, Cl. 340-84.000.

Messmer, James L., to Florists' Transworld Delivery Association. Plant terrarium. 3,848,358, 11-19-74, Cl. 47-34.000.

Messner, Dieter: *See*—
Dryczynski, Kurt, Kramer, Heinz; Messner, Dieter; and Seifried, Walter. 3,790,854.

Messner, Georg; and De Nora, Vittorio, to De Nora, Oronzio, Impianti Elettrochimici S.p.A. Process and apparatus for the production of alkali metal chlorates. 3,809,629, 5-7-74, Cl. 204-95.000.

Messner, Georg, to Oronzio de Nora Impianti Elettrochimici S.p.A. Process and apparatus for the electrolysis of HC containing solutions with graphite electrodes which keep the chlorine and hydrogen gases separate. 3,855,104, 12-17-74, Cl. 204-129.000.

Messner, George; De Nora, Oronzio; and De Nora, Vittorio. Bipolar diaphragm electrolyzer with cathode waves in horizontal plane. 3,832,300, 8-27-74, Cl. 204-256.000.

Messner, John S.; and Jones, Robert E., to Clark Equipment Company. Dual brake on drive and idler wheels of industrial trucks. 3,848,692, 11-19-74, Cl. 180-52.000.

Messner, Rudolf; and Zilken, Hans-Joachim, to Efka-Werke Fritz Kiehn GmbH. Device for filling cigarette tubes. 3,783,882, 1-8-74, Cl. 131-70.000.

Messrs. Color service GmbH: *See*—
Fejer, Kazmer. 3,830,765.

Messrs. Franz Buttner AG: *See*—
Von Daeniken, Niklaus. 3,833,108.

Messrs. Gebruder Junghans G.m.b.H.: *See*—
Assmus, Friedrich; and Ganter, Wolfgang. 3,805,509.

Messrs., Henkel, E. G., Maschinenfabriken: *See*—
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Messrs. Neumo Armaturenfabrik Apparatebau Metallgiesserei GmbH. *See*—
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Messrs. Schwan-Bleistift-Fabrik. *See*—
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Messrs. Tiwi Oy: *See*—
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Messrs. Toyota Jidosha Kogyo Kabushiki Kaisha: *See*—
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Goto, Kenji; and Mizuno, Kiyohiko. 3,834,363.
Makino, Takayuki; Ishii, Shinya; and Ohkubo, Rokuji. 3,827,415.

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Petros, Andrew J.; and Pizzedaz, Ronald D. 3,805,573.
Petros, Andrew J., 3,842,639.
Petros, Andrew J., 3,850,287.
Sutyak, John J., 3,847,062.

Mestetsky, Thomas S., to GAF Corporation. Adhesive stick comprising an alkylated N-vinylpyrrohdone polymer. 3,817,887, 6-18-74, Cl. 260-23.00r.

Mestetsky, Thomas S., to GAF Corporation. Article comprising an adhesive coating and controlled release coating. 3,823,025, 7-9-74, Cl. 117-68.500.

Mestetsky, Thomas S.; and Webster, Bruce G., to GAF Corporation. Deinking of waste paper with an aqueous solution containing a N-alkylactam solvent. 3,846,227, 11-5-74, Cl. 162-5.000.

Mestetsky, Thomas S., to GAF Corporation. Adhesive tape coated with a controlled release coating composition. 3,855,052, 12-17-74, Cl. 161-167.000.

Mestetsky, Thomas Samuel; and Smolin, Edwin Marvin, to GAF Corporation. Release coating compositions. 3,803,068, 4-9-74, Cl. 260-29.6mp.

Meston, Spencer Davidson, to British Aircraft Corporation Limited. Apparatus for supporting a load. 3,815,849, 6-11-74, Cl. 244-1.00s.

Mestre, Luis, Development Corporation: *See*—
Blowsky, Frank C., 3,796,422.

Mestroni, Giovanni: *See*—
Costa, Giacomo; and Mestroni, Giovanni. 3,809,632.

Mesure, Georges M.: *See*—
Carnewal, Jose A. C. L.; Deeruyenare, Teudo M. J.; and Mesure, Georges M., 3,816,981.

Meszar, John Robert: *See*—
Hamilton, Billy Harold; Meszar, John Robert; Ostapiak, Roman; Schroeder, Robert Edward; and Untamo, Peter Pentti. 3,818,307.

Meszaros, Ronald E. Fletching unit for arrow. 3,815,916, 6-11-74, Cl. 273-106.50e.

Met, Viktor: *See*—
Kindl, Helmut; and Met, Viktor. 3,820,903.

Metabowerke KG Closs, Rauch & Schnizler: *See*—
Hilburger, Walter. 3,851,398.
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Schnizler, Albrecht, Jr., 3,828,865.

Metafab Industries, Inc.: *See*—
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Metaframe Corporation: *See*—
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Willinger, Allan H.; and Dinnerstein, Albert J., 3,788,277.
Willinger, Allan H.; and Dinnerstein, Albert J., 3,791,346.
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Metal Box Company, Limited, The: *See*—
Cannon, Geoffrey Donald; De'Ath, Roderick Michael; and Griffiths, Donald Ernest. 3,807,923.
Franek, Jozef Tadeusz; and Rhodes, Peter. 3,782,314.
Franek, Jozef Tadeusz; and Porucznik, Paul. 3,798,950.

Metal Closures Limited: *See*—
Herbert, James Frederick. 3,818,677.
Wilton, Ronald William. 3,796,338.

Metal Compacting Tools, Ltd.: *See*—
Fowler, John G., 3,843,287.

Metal Fab Inc.: *See*—
Cardiff, George H., 3,842,721.

Metal Hydrides Incorporated: *See*—
Demers, Arthur P.; and Rudd, David W., 3,840,645.

Metal Innovations, Inc.: *See*—
Ayers, Maurice Donald. 3,814,558.
Ayers, Maurice Donald. 3,834,004.

Metal Lux S.p.A.: *See*—
Tassara, Pino. 3,800,738.

Metal Sections Limited: *See*—
Warburton, Derek Esmond. 3,857,646.

Metalcraft (Bristol) Limited: *See*—
Ward, Maurice Leonard. 3,814,280.

Metalectric, Inc.: *See*—
Trzyna, Charles J.; and Kranz, Quentin R., 3,844,922.

Metalife Company, The: *See*—
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Metall-Invent S.A.: *See*—
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Metall-Werk Merkur GmbH: *See*—
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Metallgesellschaft Aktiengesellschaft: *See*—
Ahland, Erwin; and Ratajczak, Ernst-Albert. 3,800,428.
Bohm, Horst; Borgstadt, Hans Ulrich; Ruhle, Manfred; and Winczierz, Peter. 3,850,584.
Cappel, Fred; Otto, Jurgen, Nikl, Siegfried; and Rausch, Hans. 3,857,694.
Dorr, Karl-Heinz; Grimm, Hugo; and Kola, Rolf. 3,788,043.
Dorr, Karl-Heinz; Grimm, Hugo; Tacke, Michael; and Petchl, Robert. 3,853,502.
Ertl, Dietrich; Eishold, Horst-Gunter; Gilles, Helmut, Schmolling, Gunther, Steuernagel, Walter, and Nitz, Jurgen. 3,783,589.
Gebhard, Manfred; Nitzsche, Curt; and Pfeffer, Simon. 3,826,772.
Gelhaar, Rolf; Nitz, Juergen; and Rau, Kurt. 3,803,809.
Gilles, Helmut, Gupner, Otto; and Haselmayer, Karl. 3,831,350.
Hardt, Lothar. 3,793,802.
Langanke, Helmut; Landenberger, Peter; and Treutel, Georg. 3,837,156.
Muller, Jurgen; and Lohrberg, Karl. 3,788,968.
Muller, Wolf-Dieter. 3,854,895.
Reh, Lothar; Bohm, Eberhard; and Schoene, Gunter. 3,836,635.
Rudolph, Paul; Kapp, Ernst; Kempf, Georg; and Farana, Wolf-Rudiger. 3,787,559.
Schmalfeld, Paul; and Rammler, Roland. 3,799,747.
Schmalfeld, Paul; Bock, Burkhard; and Schilling, Hans-Dieter. 3,804,581.
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Stonner, Hans-Martin; and Kraus, Erhard. 3,820,954.
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Metallo Gasket Co.: *See*—
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Metallurgical Exoproducts Corporation: *See*—
Rocher, George; and Vayda, Pierre Andre. 3,784,177.
Rocher, George. 3,809,355.
Rocher, George; and Vayda, Pierre Andre. 3,809,380.
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Metallurgical Processes Limited: *See*—
Benatt, Frank George Simon; and Gammon, Michael William. 3,841,862.

Metallurgie Hoboken-Overpett: *See*—
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Metallwerk Max Brose & Co.: *See*—
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Dehler, Bernhard. 3,848,923.
Dehler, Bernhard. 3,851,533.

Metallwerk Plansee Aktiengesellschaft & Co., KG: *See*—
Kutzer, Hans-Joachim; Strohmeier, Gerolf; Natter, Bernd; and Sedlatschek, Karl. 3,831,825.

Metallwerke Max Brose & Co.: *See*—
Hess, Peter. 3,833,965.

Metalmeccanica S.p.A.: *See*—
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Metalphoto Corporation; a division of Horizons Research Incorporated: *See*—
Pallant, Jon W., 3,841,891.
Patrick, Elbert L., 3,833,374.

Metalume Manufacturing Company, Inc.: *See*—
Winans, Roy J., 3,818,666.

Metalux Corporation, The: *See*—
Merker, Reuven; and Lucca, Salvatore. 3,857,765.

Metcalf, Arthur G. B.; Guiffrida, Philip; and Bellows Alfred H., to Electronics Corporation of America. Fuel burner supervisory system. 3,825,913, 7-23-74, Cl. 340-228.000.

Metcalf, Eric; and Dorey, Howard Anthony, to Solartron Electronic Group Limited, The. Analog to digital converter utilizing different feedback effects to obtain accuracy and resolution. 3,792,352, 2-12-74, Cl. 324-99.00d.

Metcalf, John M., to LTV Aerospace Corporation. Switching system for a transportation system employing a guideway. 3,782,292, 1-1-74, Cl. 104-130.000.

Metcalf, Robert L.; Kapoor, Inder, and Hirwe, Asha, to University of Illinois Foundation. Insecticidal biodegradable analogues of DDT. 3,787,505, 1-22-74, Cl. 260-612.00r.

Metcalf, Robert L.; Kapoor, Inder, and Hirwe, Asha, to University of Illinois Foundation. Insecticidal biodegradable methylthio analogs of DDT. 3,855,313, 12-17-74, Cl. 260-609.00e.

Metcalfe, Arthur G., and Rose, Fred K., to International Harvester Company. Metallurgical bonding and forming processes and apparatus. 3,823,299, 7-9-74, Cl. 219-83.000.

Metcalfe, Arthur G., and Rose, Fred K., to International Harvester Company. Diffusion bonding of butt joints. 3,851,138, 11-26-74, Cl. 219-83.000.

Metcalfe, John Leonard. *See*—
McKeown, Bamon, Metcalfe, John Leonard; and Pratt, Arthur James. 3,789,040.

Metcalfe, Joseph E., III; Rightmire, Robert A.; and Marse, Allan V., to Standard Oil Company, The. Electrical energy storage device utilizing an electrode composed of an amorphous carbon and sulfur-carbon complex. 3,811,947, 5-21-74, Cl. 136-6.00lf.

Metcalfe, Kenneth A.; and Clements, Alwin Spencer, to Commonwealth of Australia, The; care of the Secretary, Department of Supply. Transferring recorded signals and latent electrostatic images before development. 3,784,398, 1-8-74, Cl. 117-17.500.

Metcalfe, Kenneth A.; and Lowe, William H., to Commonwealth of Australia, The. Chargeless developer. 3,793,205, 2-19-74, Cl. 252-62.100.

Metcalfe, Kenneth A.; and Lowe, William H. Method of improving development of xerographic images. 3,804,658, 4-16-74, Cl. 117-37.0le.

Metcalfe, Kenneth A.; and Lowe, William H., to Commonwealth of Australia, The. Dielectric recording on insulator surfaces. 3,804,660, 4-16-74, Cl. 117-37.0le.

Metcalfe, Kenneth A., to Commonwealth of Australia, The; care of the Secretary, Department of Supply Department of Supply, The. Bitting card for data recording. 3,810,193, 5-7-74, Cl. 346-76.0es

Metcalfe, Kenneth A.; Clements, Alwin S., and Wilson, Clive W., to Commonwealth of Australia, care of the Secretary. Method of developing an electrophotographic image with a bias field. 3,836,361, 9-17-74, Cl. 96-1.0ly.

Metcalfe, Kenneth A.; Clements, Alwin S., and Wilson, Clive W., to Australia, Commonwealth of, care of the Secretary, Department of Supply. Method of developing a dielectric pattern on a semiconductor surface using a two-component developer. 3,836,381, 9-1-74, Cl. 117-17.500.

Metcalfe, Paul V. Adjustable escutcheon. 3,815,821, 6-11-74, Cl. 239-37.000.

Metcalfe, Richard T.; Ramirez, Peter R., and Slyk, Chester M., to American Optical Corporation. Process for casting eyeglass frames. 3,850,902, 11-26-74, Cl. 264-102.000.

Meteo, Inc.: *See*—
Ingham, Herbert Smith, Jr.; and Novinski, Edward Robert. 3,819,384.
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Metge, Emile, to Union Industrielle Blanzy-Ouest. Boring tool. 3,791,465, 2-12-74, Cl. 175-373.000.

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Metivier, Robert, to Societe Minerve S.A. Air-gas mixture metering device, notably for respiratory mask. 3,830,257, 8-20-74, Cl. 137-625.410.

Metlesics, Werner; and Sternbach, Leo Henryk, to Hoffmann-La Roche Inc. 2,3-Dihydro-1,4-benzodiazepines. 3,812,103, 5-21-74, Cl. 260-239.30d.

Metlesics, Werner, and Sternbach, Leo Henryk, to Hoffmann-La Roche Inc. Process for 2,3-dihydro-5-phenyl-5H-imidazo [2,1-a]-isoindoles. 3,812,143, 5-21-74, Cl. 260-309.600.

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Mettinger, Sylvester Martin, to Stauffer Chemical Company. Process for the manufacture of plastic coated tubular articles. 3,790,651, 2-5-74, Cl. 264-135.000.
Mettler, Erhard, to Mettler Instrumente AG. Platform scale. 3,835,946, 9-17-74, Cl. 177-256.000.
Mettler, Hal C. Method and apparatus for ultrasonic treatment of lower tissues simultaneous with heating of subcutaneous, outer muscle and lower tissues. 3,828,769, 8-13-74, Cl. 128-24.00a.
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Metz, Paul, to Acieries Reunies de Burbach-Eich-Dudelange S.A. Apparatus for the treatment of molten metal. 3,820,767, 6-28-74, Cl. 266-34.00t.
Metz, Paul; Koch, Victor; and Schockmel, Robert, to Acieries Reunies de Burbach-Eich-Dudelange S.A. Fuel injector for blast furnace. 3,832,121, 8-27-74, Cl. 431-8.000.
Metz, Werner, to Burg-Mobel Dieter Ruddies. System for joining furniture panels. 3,841,052, 10-15-74, Cl. 52-753.00k.
Metzeler Aktiengesellschaft: *See*—
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Metzgar, Kenneth Joseph; and Tillou, Frank Macomb. Electrodymanic force generator. 3,816,777, 6-11-74, Cl. 310-13.000.
Metzger, Adolf: *See*—
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Metzger, Carl; Meiser, Werner; Buchel, Karl Heinz; and Plempel, Manfred, to Bayer Aktiengesellschaft. Phenyl-imidazoly-alkanyl derivatives. 3,796,704, 3-12-74, Cl. 260-240.00k.
Metzger, Carl; and Eue, Ludwig, to Bayer Aktiengesellschaft. Certain thiadiazolyl-containing-halogen-substituted-imidazolidinones. 3,849,432, 11-19-74, Cl. 260-306.80d.
Metzger, Harold M. Couch. 3,813,091, 5-28-74, Cl. 269-322.000.
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Metzger, Lenard M., to Eastman Kodak Company. Color video film recording with segmented color filter. 3,795,761, 3-5-74, Cl. 178-5.20d.
Metzger, Michael V.; and Pearce, Reginald, to Engis Corproation. Molded abrasive article of iron-silicon alloy, and diamond powder. 3,829,299, 8-13-74, Cl. 51-309.000.
Metzger, Nelson D., to Amsted Industries, Incorporated. Railway coupling. 3,853,228, 12-10-74, Cl. 213-146.000.
Metzger, Robert W., Jr.: *See*—
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Metzinger, Leonard L., to Bunker Ramo Corporation. Worm drive for electrically wound clock. 3,808,905, 5-7-74, Cl. 74-425.000.
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Metzler, Gottfried, III, to Mennen Company, The. Apparatus for dispensing mixed components. 3,786,963, 1-22-74, Cl. 222-136.000.
Metzler, James Monroe; and Foreman, James Blockinger, to Fincor, Inc. Integrated drive system. 3,845,366, 10-29-74, Cl. 318-99.000.
Metzler, Othmar E. Circular embroidery-lace articles. 3,797,427, 3-19-74, Cl. 112-266.000.
Meuldijk, Pieter W.; and Roodnat, Ben J., to Meco Metal Finishing Engineers N.V. Line- and spotplating machine. 3,819,502, 6-25-74, Cl. 204-206.000.
Meuleman, Johannes; and Jacob, Guy Michel, to U.S. Philips Corporation. Method of forming crystals by the control of volatile constituent diffusion path distances through a melt. 3,853,487, 12-10-74, Cl. 23-301.0sp.
Meulendyk, John W., to Pneumo Dynamics Corporation. Bi-thermal bleed valve. 3,836,074, 9-17-74, Cl. 236-93.000.
Meunier, Henry E.; and Eymard, Pierre L., to Laboratoires J. Berthier. Acetamido naphthyl or acetophenone compounds and derivatives thereof. 3,810,942, 5-14-74, Cl. 260-562.00b.
Meunier, Jean-Paul, to Conservatome. Methods, means and compositions for painting object. 3,846,149, 11-5-74, Cl. 117-6.000.
Meurer, Engelbert, to Leybold-Heraeus-Verwaltung GmbH. Apparatus for demonstrating the critical temperature of a fluid. 3,818,614, 6-25-74, Cl. 35-19.00r.
Meurer, Horst: *See*—
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Meurer, Siegfried; Emmerling, Wolfram; and D'Alfonso, Nunzio, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Air compressing self-igniting fuel injection internal combustion engine. 3,809,031, 5-7-74, Cl. 123-32.00r.
Meuresch, Herbert; and Zimmerhaekel, Franz, to Precision Valve Corporation. Rapid charging valve housing. 3,838,799, 10-1-74, Cl. 222-402.160.
Meuresch, Herbert; and Zimmerhaekel, Franz, to Precision Valve Corporation. Pressurized aerosol dispenser valve and gasket. 3,845,887, 11-5-74, Cl. 222-402.160.
Meusel, Bernd: *See*—
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Meussdoerffer, Johann Nikolaus; and Niederprum, Hans, to Bayer Aktiengesellschaft. Catalytic production of 1,1-difluoroethane. 3,810,948, 5-14-74, Cl. 260-653.600.
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Mewhinney, Albert B., to General Motors Corporation. Hydropneumatic energy absorbing unit. 3,794,310, 2-26-74, Cl. 267-139.000.
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Mey, Hansjurc, to Leemann, Walter, A.G. Fabrik fur fototechnische, elektronische und feinmechanische Apparate. Microfilm camera and light source therefor. 3,791,734, 2-12-74, Cl. 355-67.000.
Meya, Hans: *See*—
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Meyer, Alfred; and Banziger, Thomas, to Sulzer Brothers Ltd. Weft monitoring system for a weaving machine and a method of monitoring weft thread. 3,802,468, 4-9-74, Cl. 139-370.000.
Meyer, Alvin H. Snap-on adjustable sliding clip for shelf partitions. 3,815,519, 6-11-74, Cl. 108-61.000.
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Meyer, Barthold F.; Dully, Floyd I.; Gergoe, Bela; Kazewych, Bohdan; and Hebert, Robert M., to General Motors Corporation. Vehicle body compartment panel pull-down mechanism. 3,835,678, 9-17-74, Cl. 70-241.000.
Meyer, Bruce L., to Control Data Corporation. Communications connector apparatus utilizing radiant energy. 3,792,208, 2-12-74, Cl. 200-51.00r.
Meyer, Burton C., to Glass, Marvin, & Associates Hair management or styling implement. 3,818,916, 6-25-74, Cl. 132-85.000.
Meyer, Burton C., to Glass, Marvin, & Associates. Vibratory game. 3,841,636, 10-15-74, Cl. 273-110.000.
Meyer, Carl L.; and Sayers, Eugene H., to General Motors Corporation. Semiconductor device enclosure and method of making same. 3,790,866, 2-5-74, Cl. 317-234.00r.
Meyer, Charles A. Sequentially operable control valve for a steam turbine. 3,820,756, 6-28-74, Cl. 251-121.000.
Meyer, Charles F.: *See*—
Groth, Clarence N.; Hempel, James N.; Wieczorek, Robert A.; Meyer, Charles F.; and Cook, Robert G., 3,809,965.
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Meyer, Charles M., to Colorado Ski Area Equipment Company. Ski tie. 3,841,648, 10-15-74, Cl. 280-11.37a.
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Meyer, Delbert H., and Johnston, George E., to Standard Oil Company. Recovery of trimellitic acid from pseudocumene liquid phase oxidation effluent. 3,853,924, 12-10-74, Cl. 260-346.300.
Meyer, Dieter: *See*—
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Meyer, Earl W., Jr.; Carter, Ivor W.; and Scott, Ian J. C., to Chrysler Corporation. Ignition distributor device with insulative shutter type rotor. 3,789,168, 1-29-74, Cl. 200-19.00r.
Meyer, Edward: *See*—
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Meyer, Engelbert A., to USM Corporation. Trim fastener. 3,807,964, 4-30-74, Cl. 24-73.0hs.
Meyer, Engelbert A., to USM Corporation. Adjustable work support assembly. 3,836,118, 9-17-74, Cl. 254-104.000.
Meyer, Engelbert A., to USM Corporation. Adjustable strap with quick release. 3,855,669, 12-24-74, Cl. 24-16.0pb.
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Venus, Gerhart; and Meyer, Erwin, 3,851,136.
Meyer, Frank G.; and Tesitor, Charles N., to United States of America, Atomic Energy Commission. Continuous plutonium dissolution apparatus. 3,794,470, 2-26-74, Cl. 23-277.60s.
Meyer, Fred P.; and Meyer, Donald W., to Meyer Enterprises, Inc. Needlepoint blocking device. 3,785,072, 1-15-74, Cl. 38-102.500
Meyer, Frieda Anna: *See*—
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Meyer, Friedrich J.; deceased (by Meyer, Frieda Anna; heiress), Kaspers, Helmut; and Scheinpflug, Hans, to Bayer Aktiengesellschaft. 1-Aldoxy- or 1-alkylthio-carbonyl-2-thienyl-(2)-benzimidazoles. 3,810,910, 5-14-74, Cl. 260-309.200.
Meyer, Friedrich-Wilhelm. Roll gap and gap error monitoring device. 3,817,068, 6-18-74, Cl. 72-21.000.
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Meyer, Gerald; and Buzzi, Leo, to U.S. Philips Corporation. Shaving head for dry-shaving apparatus. 3,855,697, 12-24-74, Cl. 30-34.100.
Meyer, Gerald L.; and Ryan, Carl R., to Motorola, Inc. Phase locked loop employing gated alternating current injection for fast synchronization. 3,806,822, 4-23-74, Cl. 328-55.000.
Meyer, Gerhard: *See*—
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Meyer, Gerhard, to Hauni-Werke Korber & Co. KG. Method and arrangement for measuring the moisture content in fibrous material 3,795,984, 3-12-74, Cl. 34-46.000.
Meyer, Gunter; and Grebe, Ludwig, to Kramer & Grebe K.G., Maschinen- und Modellfabrick. Apparatus for comminuting and cooking of raw meat used for the manufacture of cooked sausage 3,797,376, 3-19-74, Cl. 99-353.000.
Meyer, Gustave, 40% to Stumpf, Irving L. and 20% to Primozich, Raymond R. Loader bucket with ejector. 3,837,516, 9-24-74, Cl. 214-767.000.
Meyer, Hans, to Gfa-Antriebstechnik Gesellschaft mit beschrankter Haftung. Locking device for a winding arrangement 3,813,958, 6-4-74, Cl. 74-425.000.
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Meyer, Hans Rudolf; and Siegrist, Adolf Emil, to Ciba-Geigy AG. Benzoxazolyl derivatives, processes for their manufacture and their use. 3,817,991, 6-18-74, Cl. 260-240.00b.
Meyer, Hans Ulrich. Electrical length measuring system. 3,857,092, 12-24-74, Cl. 324-61.00r.
Meyer, Harry W.: *See*—
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Meyer, Heinz; Schmid, Dieter; Bei, Pullach, Schwarzer, Hans; and Twittenhoff, Hans Joachim, to Elektrochemische Werke Munich AG. Process for the setting of unsaturated polyester resins 3,787,527, 1-22-74, Cl. 260-861.000.
Meyer, Heinz F., to Upjohn Company, The. Process of recurring spectinomysin. 3,804,858, 4-16-74, Cl. 260-340.300.
Meyer, Herbert J., to Texaco Inc. Apparatus and means for inducing vibrations in an earth formation. 3,795,286, 3-5-74, Cl. 181-.5rc.
Meyer, Herbert J., to Texaco Inc. Electronic delay blaster 3,851,589, 12-3-74, Cl. 102-70.20r
Meyer, Holger, to Monsanto Company. Herbicidal compositions and methods employing mono, di and tripyridine complexes of organo tin compounds. 3,834,890, 9-10-74, Cl. 71-94.000.
Meyer, Horst; Bossert, Friedrich; Vater, Wulf; and Stoepel, Kurt, to Farbenfabriken Bayer Aktiengesellschaft. Unsymmetrical esters of 1,4-dihydropyridine 3,5-dicarboxylic acid. 3,799,934, 3-26-74, Cl. 260-294.80g.
Meyer, Horst; Bossert, Friedrich; Vater, Wulf, and Stoepel, Kurt, to Farbenfabriken Bayer Aktiengesellschaft. Unsymmetrical esters of 1,4-dihydropyridine 3,5-dicarboxylates. 3,799,936, 3-26-74, Cl. 260-295.50r.
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Meyer, Jeffry R., to Westinghouse Electric Corporation. Grounding switch. 3,801,768, 4-2-74, Cl. 200-163.000.
Meyer, Jerome W.; and Annen, Phillip A., to Singer Company, The. Multi-intersection traffic control system. 3,818,429, 6-18-74, Cl. 340-35.000.
Meyer, John E.: *See*—
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Meyer, Karl A. Combination lock safety cap. 3,843,007, 10-22-74. Cl. 215-206.000.
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Meyer, Karl Arthur. Cam action tangential tracking tone arm pivot mechanism. 3,813,100, 5-28-74, Cl. 274-23.00A.
Meyer, Karl-Heinrich: *See*—
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Meyer, Konrad: *See*—
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Meyer Labs, Inc.: *See*—
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Meyer, Leonard S.: *See*—
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Meyer, Leonard S., to Sybron Corporation. Method of depositing a stack of reinforcing members in a mold and molding. 3,851,038, 11-26-74, Cl. 264-261.000.
Meyer Machine Company: *See*—
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Scarnato, Thomas J.; Cicet, George B., and Meyer, Martin H., 3,841,070.
Meyer, Martin H., and Collis, Raymond D., to Outboard Marine Corporation. Power trimming and tilting system. 3,839,986, 10-8-74, Cl. 115-41.0ht.
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Meyer, Marvin C. Golf bag bicycle rack. 3,827,613, 8-6-74, Cl. 224-40.000.
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Meyer, Melvin H., to Stone Container Corporation. Skin packaging process and skin package thereof. 3,784,004, 1-8-74, Cl. 206-80.00a.
Meyer, Monroe W.: *See*—
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Meyer, Raymond W.; McGranghan, Francis R.; and Evans, Dale K., to General Tire & Rubber Company, The. Laminating apparatus having dual doctor blade. 3,847,707, 11-12-74, Cl. 156-436.000.
Meyer, Rich B., Jr.; Shuman, Dennis A.; and Robins, Roland K., to ICN Pharmaceuticals, Inc. Phosphoramidates of 3',5'-cyclic purine nucleotides. 3,852,267, 12-3-74, Cl. 260-211.50r.
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Meyer, Richard C., 30% interest to Petersen, Arne J. and 30% interest to Deardorff, Harold F. Animal training device. 3,827,403, 8-6-74, Cl. 119-29.000.
Meyer, Richard Carl: *See*—
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Meyer, Richard R.; Kearney, John M., and Burnstein, Philip J., to Systems Discipline, Inc. Two stage high efficiency air filter. 3,853,510, 12-10-74, Cl. 55-368.000.
Meyer, Richard W., to Owens-Illinois, Inc. Laser beam severing of a rotating article. 3,839,005, 10-1-74, Cl. 65-112.000.
Meyer, Richard W., to Owens-Illinois, Inc. Apparatus for measuring the psychogalvanic reflex. 3,841,316, 10-15-74, Cl. 128-1.10z.
Meyer, Robert: *See*—
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Meyer, Robert F.; and Stratton, Charlotte D., to Parke, Davis & Company. α-Aminomethyl-2-quinolineethanols,-aminomethyl-1-isoquinolineethanols, α aminomethyl-6-phenanthridineethanols and their ketonic analogues. 3,794,650, 2-26-74, Cl. 260-286.00a.
Meyer, Robert H.: *See*—
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Meyer, Robert W.; and Swanson, Robert G., to M & S Engineering, Inc. Automatic casting machine. 3,801,255, 4-2-74, Cl. 425-147.000.
Meyer, Robert W., to Ultrasonic Systems, Inc. Ultrasonic sewing. 3,817,802, 6-18-74, Cl. 156-73.000.
Meyer, Robert W.; and Swanson, Robert G., to M & S Engineering, Inc. Mold and clamp for use in an automatic casting machine. 3,836,314, 9-17-74, Cl. 425-451.900
Meyer, Rolf, and Schonmeier, Herbert, to Jagenberg-Werke AG. Roll winding machine. 3,792,824, 2-19-74, Cl. 242-65.000.
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Meyer, Ronald E.; Schalk, Frank J.; Sedgwick, Robert K.; and Schluge, John E., to Kearney & Trecker Corporation. Manufacturing system. 3,796,163, 3-12-74, Cl. 104-88.000.
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Meyer, Roy E.; Wahl, John F.; and Walton, William M., to Wahl Clipper Corporation. Electric hair clipper with permanent magnet motor. 3,805,136, 4-16-74, Cl. 318-331.000.

Meyer, Roy E.; Walton, William M.; and Stuart, Jerry E., to Wahl Corporation. Device for holding hand tools. 3,838,685, 10-1-74, Cl. 128-32.000.
Meyer, Roy E., to Meyer Industries, Inc. Tubular pole with cast base connection. 3,839,835, 10-8-74, Cl. 52-296.000.
Meyer, Roy E.; and Wahl, John F., to Wahl Clipper Corporation. Device for drying hair. 3,857,016, 12-24-74, Cl. 219-368.000.
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Meyer, Siegfried; and Klingf, Rolf, to Siemens Aktiengesellschaft. Apparatus for accommodating the pendulum action of a load carried by a rope from a traveller. 3,850,308, 11-26-74, Cl. 212-132.000.
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Davis, Robert D.; Meyer, Theodore N.; and Blizzard, Roy L., 3,840,750.
Meyer, Thomas L.; Shaffer, Thomas N.; and Wright, Lawrence G., to Westinghouse Electric Corporation. Flowmeter apparatus. 3,782,193, 1-1-74, Cl. 73-181.000.
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Meyer, Ulrich, to Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung. Automatically controlled brake actuator for unmanned vehicles. 3,812,750, 5-28-74, Cl. 188-106.00p.
Meyer, Vincent Edwin. Closure. 3,847,183, 11-12-74, Cl. 138-96.00r.
Meyer, Virginia M. Panic bar safety plate. 3,834,077, 9-10-74, Cl. 49-50.000.
Meyer, W. Keith, to Gulf Research & Development Company. Drilling liquid containing microcrystalline cellulose. 3,852,200, 12-3-74, Cl. 252-8.50a.
Meyer, Walter; and Quitmann, Walter, to Mannesmann Aktiengesellschaft. Method and apparatus for jacketing a steel pipe. 3,814,646, 6-4-74, Cl. 156-195.000
Meyer, Warns E. Paint spinner spray guard. 3,837,091, 9-24-74, Cl. 34-58.000.
Meyer, Warren H. Electric mortar spreader. 3,826,410, 7-30-74, Cl. 222-178.000.
Meyer, Wilhelm. Wheelchair. 3,853,372, 12-10-74, Cl. 297-45.000.
Meyer, William E.: *See*—
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Meyer, Willy; and Boehner, Beat, to Ciba-Geigy Corporation. Carbamoyl oximes. 3,832,400, 8-27-74, Cl. 260-566.0ac.
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Meyer-Simon, Eugen; Schwarze, Werner; Thurn, Friedrich; and Michel, Rudolf, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Sulfur containing organosilicon compounds. 3,842,111, 10-15-74, Cl. 260-448.20e.
Meyer-Stoll, Hans Albrecht; and Lottermoser, Manfred, to Deutsche Texaco Aktiengesellschaft. Polymeric composition and method. 3,839,265, 10-1-74, Cl. 260-37.00n.
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Meyerhoefer, Carl E., to Reulon-Realistic Professional Products, Inc. Nape drying assembly for a hair dryer. 3,802,092, 4-9-74, Cl. 34-99.000.
Meyerhoefer, Carl E., and Naples, Richard J., to General Signal Corporation. Habger device for portable mixers. 3,827,677, 8-6-74, Cl. 259-104.000.
Meyerhuber, Wittich; Koblitz, Werner; and Suppe, Hansjoachim, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Knitting mechanism for producing pile fabric. 3,837,184, 9-24-74, Cl. 66-93.000
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Meyers, Cal Yale; Matthews, Walter Sidney, III, and Malte, Ashok M., to Southern Illinois University Foundation. Reactions involving carbon tetrahalides with sulfones. 3,830,862, 8-20-74, Cl. 260-668.00c.
Meyers, Calvin E., to Bug-Lok Corporation. Apparatus for locking gear shift stick and handbrake lever of a motor vehicle. 3,822,573, 7-9-74, Cl. 70-200.000.
Meyers, Duane A. Fishing lure retriever. 3,783,546, 1-8-74, Cl. 43-17.200.
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Meyers, Edward; Slusarchyk, Dorothy Smith; and Liu, Wen-Chih, to Squibb, E. R., & Sons, Inc. Antibiotic EM-98. 3,853,992, 12-10-74, Cl. 424-116.000.
Meyers, Edward F., to Enviro-Gro, Inc. Self-starging plant marker and method and apparatus for making same. 3,846,954, 11-12-74, Cl. 53-14.000.
Meyers, George E., to Extrudyne, Inc. Apparatus for producing extruded hollow board. 3,792,951, 2-19-74, Cl. 425-326.000.
Meyers, George Leroy, to American Can Company. Paperboard container and blank therefor. 3,825,169, 7-23-74, Cl. 229-34.00a.
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Meyers, Leo J., to Grant, Louis A., Inc. Slag skimming apparatus. 3,814,407, 6-4-74, Cl. 266-37.000.
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Meyers, Robert E., to Bendix Corporation, The. Power brake boost mechanism with pressure regulating device. 3,845,693, 11-5-74, Cl. 91-371.000.
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Meyers, Stanley Thayer, 1/2 to Oliveras, Rene. Sound reproducing system utilizing motional feedback. 3,798,374, 3-19-74, Cl. 179-1.00f.
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Meyers, Willis G., to General Motors Corporation. Engine cylinder head gasket. 3,841,289, 10-15-74, Cl. 123-193.0eh.
Meyerson, Stanley. Buckle construction for straps, and the like. 3,818,548, 6-25-74, Cl. 24-170.000.
Meyerson, Stanley. Bracelet construction. 3,845,618, 11-5-74, Cl. 59-80.000.
Meyfarth, Herbert J., and Crosby, John J., to Republic Steel Corporation. Coil of continuous elongated material. 3,785,587, 1-15-74, Cl. 242-159.000
Meyher, Edward J. Condition responsive disconnect arrangement for electrical cooking equipment. 3,824,374, 7-16-74, Cl. 219-510.000.
Meylan, Jean-Luc, to Battelle Memorial Institute. Process for cooling and supporting a continuously cast metal bar. 3,848,656, 11-19-74, Cl. 164-89.000
Meylan, Pierre; and Hausmann, Herbert, to BBC Brown Boveri & Company Limited. Casing of a fluid flow machine. 3,843,281, 10-22-74, Cl. 415-219.000.
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Meyr, Heini, to Hasler AG. Measurement of the velocity of a body. 3,804,518, 4-16-74, Cl. 356-28.000.

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Mezei, George A.; and Gibbons, Harold M., to FMC Corporation. Pipe coupling with rotary clamps. 3,830,533, 8-20-74, Cl. 285-364.000.

Mezey, Frank G. J., 50% to Insetta, Victor. Air dielectric capacitor. 3,808,479, 4-30-74, Cl. 317-251.000.

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Mezger, Robert H., to Sperry Rand Corporation. Power transmission. 3,814,250, 6-4-74, Cl. 210-90.000.

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Mezynski, Stanley M., to Goodyear Tire & Rubber Company, The. Method of making a tire building sleeve and said sleeve. 3,837,969, 9-24-74, Cl. 156-416.000.

Mezzanotte, Mario; Caretta, Ferdinando; and Turchetti, Gianni, to Industrie Pirelli S.p.A. Radial tires provided with a sidewall stiffening circumferential structure. 3,853,163, 12-10-74, Cl. 152-355.000.

Mgeladze, Boris Mikhailovich: *See*—
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Miale, Joseph N., to Mobil Oil Corporation. Method of converting hydrocarbons with manganese nodule catalysts. 3,825,486, 7-23-74, Cl. 208-110.000.

Miano, Gene L. Television picture projecting device. 3,814,509, 6-4-74, Cl. 350-321.000.

Miaskoff, Leonard; and Reed, David A., to Harris-Intertype Corporation. Apparatus for making books. 3,816,866, 6-18-74, Cl. 11-3.000.

Miavecz, Joseph L., to Owens-Illinois, Inc. Border control system for gas discharge display panels. 3,786,484, 1-15-74, Cl. 340-324.00m.

Mica Corporation, The: *See*—
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Micallef, Lewis A., to Leeds and Micallef. Multiple purpose nozzle. 3,843,030, 10-22-74, Cl. 222-554.000.

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Micchelli, Albert L.: *See*—
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Miccioli, Bruno R.: *See*—
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Miceli, Angelo S., to Uniroyal, Inc. Buoyant liquid-conveying hose. 3,835,890, 9-17-74, Cl. 138-103.000.

Miceli, Marc L., to Meyer Products, Inc. Plow blade lift frame and method of using same. 3,828,449, 8-13-74, Cl. 37-41.000.

Michael, Anthony Dennis: *See*—
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Michael, David H.; deceased (by Michael, Margaret C.; legal representative). Coated structural units having improved physical properties. 3,854,987, 12-17-74, Cl. 117-123.00a.

Michael, Dietrich; Gilch, Heinrich; and Hechelhammer, Wilhelm, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous production of fibre-reinforced polyamide moulding compositions. 3,849,154, 11-19-74, Cl. 1174.000.

Michael, Gregor: *See*—
Strauss, Wennemar; and Michael, Gregor, 3,839,165.

Michael, Gregor, to Henkel & Cie. GmbH. Method for obtaining nickel deposits with satin finish. 3,839,166, 10-1-74, Cl. 204-49.000.

Michael, Harold J., to Rockwell International Corporation. Coated composite metal part. 3,794,514, 2-26-74, Cl. 117-46.0fs.

Michael, Harold J., to Rockwell International Corporation. Electrically-conductive ceramic-metallic protective coating. 3,821,019, 6-28-74, Cl. 117-105.200.

Michael, Laddie L., to Dow Chemical Company, The. Applicator for controllably applying a liquid deposit to various workpieces. 3,795,221, 3-5-74, Cl. 118-261.000.

Michael, Malden W.: *See*—
Innes, William B.; Michael, Malden W.; and Adler, Stephen F., 3,784,484.

Michael, Margaret C.: *See*—
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Michael, Peter Colin, to Micro Consultants Limited. Signal sampling circuits. 3,851,260, 11-26-74, Cl. 328-151.000.

Michael, Tantrimudalige Anthony Don; and Lambert, Edward Henry. Method for sealing the oesophagus and providing artificial respiration. 3,841,319, 10-15-74, Cl. 128-28.000.

Michael, Ulrich, to Siemens Aktiengesellschaft. Motorized control rod drive. 3,784,889, 1-8-74, Cl. 318-171.000.

Michaeli, Isaac; and Reich, Shymon, to Yeda Research and Development Co., Ltd. Novel electrically conductive compositions. 3,845,026, 10-29-74, Cl. 260-85.50r.

Michaelis, Heinz; Rethmeier, Gerhard; and Schmieder, Fritz, to Anker-Werke AG. Apparatus for automatic processing of data. 3,801,774, 4-2-74, Cl. 235-61.60r.

Michaelis, Jack; and Malcik, Frank J., to Swingline Inc. Loose leaf binder storage system. 3,857,492, 12-31-74, Cl. 211-42.000.

Michaelis, Maximilian G. A. C. Means providing random movement especially for use in luminous fountains. 3,814,318, 6-4-74, Cl. 239-23.000.

Michaelis, Theodore Donald, to RCA Corporation. Solar torque compensation for a satellite. 3,838,834, 10-1-74, Cl. 244-1.0sa.

Michaelis, Walfried Friedrich Arthur, to Gesellschaft fur Kernforschung mbH. Method and apparatus for the non-destructive analysis of nuclear fuels. 3,796,875, 3-12-74, Cl. 250-363.000.

Michaels, Alan S., to Alza Corporation. Drug delivery device with self actuated mechanism for retaining device in selected area. 3,786,813, 1-22-74, Cl. 128-260.000.

Michaels, Alan S., to Alza Corporation. Drug delivery device with means for maintaining device in environment of use. 3,788,322, 1-29-74, Cl. 128-260.000.

Michaels, Alan S.; Buckles, Richard G.; and Keller, Michael P. Ultrasonic nebulizer. 3,812,854, 5-28-74, Cl. 128-194.000.

Michaels, Alan S.; Buckles, Richard G.; and Yum, Su Il, to ALZA Corporation. Self-powered vapor pressure delivery device. 3,840,009, 10-8-74, Cl. 128-260.000.

Michaels, Bruce Ernest, to Chemetron Corporation. Level sensing arrangement and control circuit. 3,839,651, 10-1-74, Cl. 307-308.000.

Michaels, Edwin B.; and Michaels, James J. Cosmetic composition containing mineral oil. 3,843,780, 10-22-74, Cl. 424-73.000.

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Michaels, Leonard H.; and Romine, Edward L., to Molex Incorporated. Connector housings and locking structures therefor. 3,848,951, 11-19-74, Cl. 339-91.00r.

Michaels, Louis J.: *See*—

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Michaels, Thomas B.: *See*—
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Michaelson, Dennis M., to Pan-Technic, Inc. Combination saw. 3,785,053, 1-15-74, Cl. 30-394.000.

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Michaelson, Joseph B. Nitroso aryloxy quaternary ammonium compounds. 3,842,079, 10-15-74, Cl. 260-247.70c.

Michaelson, Stanley D.; and Broadbent, Carl D., to Kennecott Copper Corporation. Slope cave leaching of exposed or near-surface mineralized deposits. 3,809,430, 5-7-74, Cl. 299-5.000.

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Michalak, Bogumil M.; and Bertellotti, Ansano, to GTE Automatic Electric Laboratories, Incorporated. Printed wiring card stiffener bracket. 3,851,222, 11-26-74, Cl. 317-101.00r.

Michalak, Wilhelm, to Leitz, Ernst, G.m.b.H. Sighting device for artillery guns. 3,851,400, 12-3-74, Cl. 33-240.000.

Michalek, Jiri: *See*—
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Michalski, Arnold: *See*—
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Michalski, Raymond J.; and Cantwell, John T., to Nalco Chemical Company. Molybdenum disulfide flotation antifoam. 3,837,489, 9-24-74, Cl. 209-167.000.

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Michaud, Andre Louis: *See*—
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Michaud, Jimmie A.; and Stroman, Jack R., to Bendix Corporation, The. Arrangement for a columnar display of variation gaging signals. 3,805,036, 4-16-74, Cl. 235-151.320.

Michaud, Orean E., to Colt Industries Operating Corporation. Multifunction thread gage. 3,812,591, 5-28-74, Cl. 33-199.000.

Michaud, Roger P.; and Cordes, Jacques. Electric heater unit. 3,852,567, 12-3-74, Cl. 219-365.000.

Michaud, Ronald A.: *See*—
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Michel, Bernard; and Delaney, Arthur Allison. Apparatus for removing particulate matter. 3,817,383, 6-18-74, Cl. 210-170.000.

Michel, Eberhard, to Siemens Aktiengesellschaft. Steam generator for pressurized water nuclear reactors. 3,783,838, 1-8-74, Cl. 122-34.000.

Michel, Eberhard, to Siemens Aktiengesellschaft. Method for examining the inner surface of a hollow member. 3,800,598, 4-2-74, Cl. 73-104.000.

Michel, Frank, to Pfizer Inc. Coring tester for elastomer. 3,817,090, 6-18-74, Cl. 73-81.000.

Michel, George P., to Westinghouse Electric Corporation. Electrical inductive apparatus having sheet and strap wound windings. 3,792,395, 2-12-74, Cl. 336-5.000.

Michel, Hans: *See*—
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Michel, Rupprecht, to Kraftwerk Union Aktiengesellschaft. Large flow-through boiler. 3,804,070, 4-16-74, Cl. 122-406.00s.

Michel, Walter: *See*—
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Michelet, Robert Wilson; and Silverman, Edward Jerome, to Bell Telephone Laboratories, Incorporated. Interlocked power supply transfer circuit to inhibit secondary transfer after a primary transfer. 3,811,050, 5-14-74, Cl. 307-64.000.

Michelet, Robert Wilson; Natale, Stephen Vincent; and Phillips, David Edward, to Bell Telephone Laboratories, Incorporated. Power supply circuit. 3,838,329, 9-24-74, Cl. 321-2.000.

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Michels, Albertus Peter; Meijer, Roelf Jan; and Van Beukering, Henricus Cornelis Johannes, to U.S. Philips Corporation. Device for supplying thermal energy to one or more places to be heated. 3,842,820, 10-22-74, Cl. 126-110.00r.

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Michels, Alfred; and Fleischer, Kurt, to Chemische Werke Huls Aktiengesellschaft. Poly-1-butene coated release paper. 3,826,677, 7-30-74, Cl. 117-76.00p.

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Michelson, Anatol; and Pace, Clifford, to Gulf & Western Manufacturing Company. Rotary hydraulic press. 3,845,652, 11-5-74, Cl. 72-349.000.

Michelson, Gunnar P. Razor with guarded razor edge. 3,797,110, 3-19-74, Cl. 30-82.000.

Michelson, Irving, to American Safety Equipment Corporation. Method of making a cigarette of reduced biological damage capability. 3,782,393, 1-1-74, Cl. 131-9.000.

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Michelson, Louis, to Lion Precision Corporation. Gage for measuring the tension in extension springs. 3,841,153, 10-15-74, Cl. 73-161.000.

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Micheron, Francois; and Bismuth, Guy, to Thomson-CSF. Ferroelectric system for bulk storage of phase holograms. 3,782,802, 1-1-74, Cl. 350-3.500.

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Mickas, George, to Ex-Cell-O Corporation. Machining apparatus with automatic tool changing means. 3,804,426, 4-16-74, Cl. 279-103.000.
Mickel, Larry S. Impact absorbent pad for helmet shell. 3,852,821, 12-10-74, Cl. 2-3.00r.
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Microwave and Electronic System Limited: *See—*
Allen, Howard John Brandsom; and Johnston, James Mc[illegible], 3,813,655.
Microwave Associates, Inc.: *See—*
Carr, Kenneth L.; and Segal, Sumner, 3,806,837.
Rearwin, Richard H., and Collins, Fred P., 3,789,302.
Rearwin, Richard H., and Crandall, Milton A., 3,845,412.
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Miculka, Zdenek; Janirek, Vladislav; Rektorik, Vladimir, and Hanacek, Josef, to Strojosvit, nardni podnik. Continuous ironing and pressing machine for flat materials. 3,851,414, 12-3-74, Cl. 38-49.000.
Mid-American Body & Equipment Co. Inc.: *See—*
Parry, Alan C., 3,854,621.
Middelkamp, Mannes Arie: *See—*
De Jong, Nicolaas Johannes, and Middelkamp, Mannes Arie, 3,787,792
Middlebrook, Terence C., to Phillips Petroleum Company. Polymer compositions. 3,823,109, 7-9-74, Cl. 260-23.70r
Middleby, David Michael, to Sundance Reinforced Plastics Pty. Limited. Building element. 3,805,460, 4-23-74, Cl. 52-16.000.
Middleman, David, to Koppers Company, Inc. Method and apparatus for guiding and tensioning a web. 3,788,515, 1-29-74, Cl. 226-1.000.
Middlemiss, Herbert, to Howson-Algraphy Limited. Contact screens. 3,814,608, 6-4-74, Cl. 96-116.000.
Middlesworth, Tommy A.: *See—*
Mott, Carl W., Jr.; and Middlesworth, Tommy A., 3,807,893.
Middleton, Carlisle A. Tobacco harvester. 3,798,884, 3-26-74, Cl. 56-27.500.
Middleton, Carlisle A. Tobacco harvester with improved spearing system. 3,855,762, 12-24-74, Cl. 56-27.500.
Middleton, David L.: *See—*
Mandich, Ronald P.; and Middleton, David L., 3,837,975.
Middleton, Horace; and Tomine, Frank, to Salem Corporation Rabble for rotary hearth furnace. 3,788,800, 1-29-74, Cl. 432-235.000.
Middleton, John David: *See—*
Dawe, Christopher, and Middleton, John David, 3,852,682.
Middleton, Kenneth, 20% to Lee, Raymond, Organization, Inc., The Combined sleeping bag and inflatable tent. 3,840,919, 10-15-74, Cl. 5-343.000.
Middleton, Malcolm Cecil, and Lloyd, Henry Bassell, to British Steel Corporation. Continuous casting of rimming steel. 3,811,490, 5-21-74, Cl. 164-49.000.
Middleton, Thomas E., to Pre-Stress Concrete, Inc. Method for manufacturing a sheathed cable for use in post-tensioning concrete structures. 3,849,221, 11-19-74, Cl. 156-145.000.
Middleton, Verne L., to Olin Corporation. Method of producing a mechanical joint between metal sheets. 3,781,971, 1-1-74, Cl. 29-470.100
Middleton, William J., to Du Pont de Nemours, E. I., and Company Alpha-beta-bis(trifluoromethyl)stilbenes. 3,801,650, 4-2-74, Cl. 260-612.00r.
Middleton, William J., to Du Pont de Nemours, E. I., and Company Polyfluorinated poly vinyl isocyanates. 3,816,495, 6-11-74, Cl. 260-453.0al
Middleton, William J., Jr. Fluid pressure sensing devices. 3,802,012, 4-9-74, Cl. 9-317.000.
Middleton, William Joseph, to Du Pont de Nemours, E. I., and Company Trifluoromethylbenzophenone O-acyloximes useful as crop yield increasers for plants. 3,849,494, 11-19-74, Cl. 260-566.0ae.
Middletown Manufacturing Co., Inc., mesne: *See—*
Goff, McKinley; and Crum, Donald, 3,836,197
Middough, William V.; and Jaquay, Louis H., to Dravo Corporation. Electric resistance heater and heater assembly. 3,835,296, 9-10-74, Cl. 219-553.000.
Midkiff, Cecil L. Fuel feeding method and apparatus. 3,822,657, 7-9-74, Cl. 110-101.0cd.
Midkiff, James C., to Cincinnati Electronics Corporation, mesne. Radio frequency resistance discriminator having dead zone output characteristic. 3,786,355, 1-15-74, Cl. 325-174.000.
Midland Capital Corporation, mesne: *See—*
Macall, Thomas F., 3,816,741.
Macall, Thomas F., 3,856,382.
Midland Industrial Computing Limited: *See—*
Anderson, John Ernest, 3,821,526.
Anderson, John Ernest, 3,825,900
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Midland Industries, Incorporated: *See—*
Williams, Henry L., 3,823,407.
Midland Manufacturing Corporation. *See—*
Portis, Ralph G., 3,815,416.
Midland Silicones, Limited: *See—*
Idris, John; and Parry, Ann Margaret, 3,795,538.
Owen, William J.; and Cooper, Bryan Ewart, 3,842,153
Midland-Ross Corporation: *See—*
Allyn, Jerome B.; MacDougall, John A., and Nesbitt, John D., 3,810,564.
Beggs, Donald, 3,844,766
Buhl, Walter T., 3,836,161
De Penti, Kenneth L., 3,834,553
De Penti, Kenneth L., 3,856,154.
Evers, James D., deceased, 3,828,810.
Fathauer, Jack E.; and Gottlieb, Carl R., 3,789,998.
Gentry, Bernard G., 3,853,766.
Gross, Dario R., 3,840,166.
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Hemsath, Klaus H., Vereecke, Frank J.; and Ferguson, Norman T., 3,836,320.
Hemsath, Klaus Heinrich; and Thekdi, Arvind Chhotalal, 3,838,974.
Huml, George E.; and Willison, Donald, 3,799,360.
Jwue, Karl J., 3,845,867.
Kaplrosky, Alfred R., 3,796,134
Kish, George R., and Swanson, Kenneth B., 3,807,809.
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Swanson, Kenneth D., 3,793,829
Urbas, John C., 3,838,000
Midolo, Lawrence L.; and Armstrong, Lee R. Brake and stabilizer for air cushion vehicles. 3,826,330, 7-30-74, Cl. 180-116.000.
Midorikawa, Akira: *See—*
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Midorikawa, Yoshinori, and Sasanami, Tsuneo, to Dainippon Ink and Chemicals Incorporated and Japan Gasoline Co., Ltd. Cultivation process for micro-organisms. 3,846,246, 11-5-74, Cl. 195-109.000.
Midrex Corporation, mesne: *See—*
Beggs, Donald; and Marston, William T., 3,816,101.
Midthun, Robert A.: *See—*
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Midwinter, John E., to Post Office, The. Improvements in or relating to liquid core dielectric waveguides. 3,841,731, 10-15-74, Cl. 350-96.0wg.

Mieda, Fumio, to Keio Giken Kogiyo KabushikiKaishiya. Keyboard type electronic musical instrument. 3,786,166, 1-15-74, Cl. 84-1.010.
Mieda, Fumio, to Keio Giken Kogiyo Kabushiki Kaishiya. Tone generator circuit for electric or electronic musical instruments. 3,821,461, 6-28-74, Cl. 84-1.190.
Miedaner, Wendelin H.: *See—*
Johnson, Edward A.; Miedaner, Wendelin H.; and Larson, Warren E., 3,850,089.
Miedema, Hotze: *See—*
Felsberg, Robert Irving; and Miedema, Hotze, 3,825,843.
Miehaus, William R., to Scripps, E. W. Company, The. Electromechanical detector system and method for controlling flow of newspaper bundles. 3,841,205, 10-15-74, Cl. 93-93.00m.
Miejr Seika Kaisha, Ltd.: *See—*
Kouze, Yoshihisa; Nakajima, Yotaka; Hidaka, Hideimasa; Niwa, Tomizo; Adachi, Takashi; Yoshida, Kenji; Ito, Jiro; Niida, Taro; Shomura, Takashi; and Ueda, Masahiro, 3,804,717.
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Mielke, Bodo, to Rollei-Werke Franke & Heidecke. Electromagnetic drive for photographic shutter diaphragms. 3,812,501, 5-21-74, Cl. 354-44.000.
Mielke, James E.: *See—*
Benford, Charles L., Jr.; and Mielke, James E., 3,793,053.
Benford, Charles L., Jr.; and Mielke, James E., 3,796,718.
Mier, Randall. Filter assembly. 3,796,024, 3-12-74, Cl. 55-267.000.
Mieras, Spencer H.: *See—*
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McAninch, Herbert A.; and Mieras, Spencer H., 3,815,443.
Mierendorf, Robert C.: *See—*
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Mierendorf, Robert E., to Harnischfeger Corporation. Control for electromechanical brake having transistorized timing reset means. 3,842,329, 10-15-74, Cl. 318-372.000.
Miericke, Jurgen, to Siemens Aktiengesellschaft. Magnetic moving vehicle suspension. 3,834,317, 9-10-74, Cl. 104-148.0ss.
Miericke, Jurgen, to Siemens Aktiengesellschaft. Electro-magnetic system for the guided suspension of a movable vehicle. 3,842,750, 10-22-74, Cl. 104-148.0ss.
Mierzwinski, Eugene P., to Magnavox Company, The. Ambient light responsive control of brightness, contrast and color saturation. 3,813,686, 5-28-74, Cl. 358-27.000.
Mierzwinski, Eugene P., to Magnavox Company, The. Ambient light responsive control of brightness, contrast and color saturation. 3,814,852, 6-4-74, Cl. 178-7.5dc.
Mies, Carl P., to Mies Filter Products, Incorporated. Apparatus for cooking chicken. 3,845,702, 11-5-74, Cl. 99-408.000.
Mies Filter Products, Incorporated: *See—*
Mies, Carl P., 3,845,702.
Miescher, Guide Max, to Commercial Solvents Corporation. Recovery of bacitracin. 3,795,663, 3-5-74, Cl. 260-112.500.
Miesel, John L., to Lilly, Eli, and Company. 4-Substituted-5,7-dinitro-2-(α,α-difluoroalkyl) benzimidazole compounds. 3,790,595, 2-5-74, Cl. 260-309.200.
Mietens, Gerhard; Kohler, Gerd; Haas, Hans; and Roszinski, Hilmar, to Knapsack Aktiengesellschaft. Pastes containing acid, amines and phosphoric acid esters. 3,825,628, 7-23-73, Cl. 260-920.000.
Miettunen, Robert E.: *See—*
Mentone, Pat F.; Myers, Thomas I.; Jensen, Gary D.; and Miettunen, Robert E., 3,835,017.
Mietz, Gerhard O.: *See—*
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Mietzel, Dennis O.: *See—*
Pleus, Edwin F.; and Mietzel, Dennis O., 3,800,837.
Mieville, Rodney L., to Standard Oil Company (Indiana). Middle distillate fuel oil compositions having improved pumpability. 3,807,975, 4-30-74, Cl. 44-62.000.
Mieville, Rodney L., to Standard Oil Company. Middle distillate fuel oil compositions having improved pumpability. 3,838,990, 10-1-74, Cl. 44-62.000.
Mifune, Akira; Katsuda, Yoshio; and Yoneda, Toyoaki, to Teijin Limited and Dai Nihon Jochugiku Co., Ltd. Insecticidal and acaricidal composition and process for controlling pests. 3,846,551, 11-5-74, Cl. 424-180.000.
Migdal, Philip N., to Teledyne, Inc. Steerable radar antenna. 3,848,255, 11-12-74, Cl. 343-761.000.
Migitaka, Masatoshi: *See—*
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Miglore, C. Michael, to General Electric Company. Method of adaptive thread. 3,813,908, 6-4-74, Cl. 72-16.000.
Migne, Jacques: *See—*
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Mignone, Giuseppe: *See—*
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Mignot, Jean Marcel: *See—*
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Mignotte, Henry X., to Baker Oil Tools, Inc. Apparatus for selective formation treatment. 3,797,572, 3-19-74, Cl. 166-127.000.
Migoux, Robert Jean; and Singery, Jean-Michel, to Societe Industrielle Honeywell Bull. Endless type support band for movable-type printing machine. 3,844,211, 10-29-74, Cl. 101-111.000.
Migowski, Gunther. Flying toy and catapult for vertical launching thereof. 3,826,037, 7-30-74, Cl. 46-84.000.
Migua Witteldeutsche Gummi- und Asbestgesellschaft Hammerschmidt & Co., Firma: *See—*
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Miguel, Antonio H.: *See—*
Skarbo, Roald R.; and Miguel, Antonio H., 3,810,971.
Miguel, Francisco Angel de Iturribarria; and Zalbide, Angel de Urruticoechea. Marine levelmeter. 3,813,941, 6-4-74, Cl. 73-313.000.
Mih, Li C.: *See—*
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Wilson, Raymond F.; Peck, Reese A.; and Mih, Li C., 3,827,969.
Mihailovski, Alexander; and Baker, Don R., to Stauffer Chemical Company. Phosphorylated thiourea compositions. 3,808,252, 4-30-74, Cl. 260-455.00p.
Mihailovski, Alexander; and Pallos, Ferenc M. Herbicidal aryl acetylene ethers. 3,816,091, 6-11-74, Cl. 71-124.000.
Mihailovski, Alexander; and Pallos, Ferenc M., to Stauffer Chemical Company. Aryl acetylene ethers. 3,816,541, 6-11-74, Cl. 260-613.00d.
Mihailovski, Alexander, to Stauffer Chemical Company. 1-Picolyl-3-phenyl ureas and their utility as herbicides. 3,829,307, 8-13-74, Cl. 71-94.000.
Mihailovski, Alexander, to Stauffer Chemical Company. Thioureido sulfonanilide compositions. 3,832,384, 8-27-74, Cl. 260-470.000.
Mihailovski, Alexander, to Stauffer Chemical Company. 3,5-Dichlorophenylcarbamyl pyrrolidine. 3,847,939, 11-12-74, Cl. 260-326.400.
Mihailovski, Alexander; and Baker, Don R., to Stauffer Chemical Company. Phosphorylated thiourea compositions. 3,847,980, 11-12-74, Cl. 260-552.00r.
Mihajlov, Vsevolod S.; and Carreira, Leonard M. Photoelectrophoretic apparatus for heat facing an image. 3,804,508, 4-16-74, Cl. 355-3.000.
Mihaldi, Floro D., to Case Western Reserve University. Tomographic scanning process. 3,784,820, 1-8-74, Cl. 250-362.000.
Mihalev, Nikolai Alexandrovich; and Shtarkman, Boris Petrovich. Continuous polymerization reactor. 3,820,957, 6-28-74, Cl. 23-285.000.
Mihalik, John A., to FMC Corporation. Heating system for extrusion of thermoplastics. 3,822,108, 7-2-74, Cl. 425-143.000.
Mihalik, Nandor, to Gestetner Copiers Limited. Transport means for sheets. 3,791,731, 2-12-74, Cl. 355-3.00r.
Mihalik, Nandor; Moss, Andrew Anthony; and Prince, John Charles Henry, to Gestetner Copiers Limited. Electrostatic copier. 3,791,732, 2-12-74, Cl. 355-14.000.
Mihalik, Nandor. Electrostatographic copying apparatus. 3,809,474, 5-7-74, Cl. 355-11.000.
Mihalyi, Jeno: *See—*
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Mihara, Hiroshi: *See—*
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Mihara, Shigetoshi; Inaba, Yanosuke; Tachibana, Koichi; and Tomio, Endo, to Nakataki Pharm. Industry Co., Inc. Process for treatment of oil-containing seeds. 3,816,389, 6-11-74, Cl. 260-123.500.
Mihara, Shigetoshi; Inaba, Yanosuke; Tachibana, Koichi; Endo, Tomio; and Yasui, Eiichiro, to Nakataki Pharm Industry Co., Inc. Process for complete separation of constituents of rice-bran and the like. 3,852,504, 12-3-74, Cl. 426-373.000.
Miheles, Aurel: *See—*
Horvath, Stefan; and Miheles, Aurel, 3,791,733.
Mihic, Wlajko. Device in tool holders. 3,792,516, 2-19-74, Cl. 29-96.000.
Mihic, Wlajko; and Back, Stig Ove, to Mircona AB. Tool holder assembly. 3,812,560, 5-28-74, Cl. 29-96.000.
Mihlhauser, Nicholas W. Electrical combination key lock. 3,846,640, 11-5-74, Cl. 307-10.0at.
Mihm, Hans-Peter; and Moser, Erich, to RENA Buromaschinenfabrik GmbH & Co. Printing needle for a needle printing mechanism. 3,850,278, 11-26-74, Cl. 197-1.00r.
Miho, Takuya: *See—*
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Mihulka, Merle C.: *See—*
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Mihulowiez, George, to Rexnord Inc. Concrete drum drive support. 3,851,862, 12-3-74, Cl. 259-177.00r.
Miida, Kazuhiro: *See—*
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Mijanovich, Radoslav T.: *See—*
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Mijs, William J.: *See—*
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Mika, Norbert; Grassmann, Peter H.; and Reis, Wilhelm, to Siemens Aktiengesellschaft. X-ray film identification means. 3,790,802, 2-5-74, Cl. 250-476.000.
Mika, Norbert; Schuldreich, Rudolf; and Berger, Helmut, to Siemens Aktiengesellschaft. X-ray photographing device. 3,828,196, 8-6-74, Cl. 250-468.000.
Mikado Manufacturing Co., Ltd.: *See—*
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Mikami, Hiroshi: *See—*
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Mikami, Takeo: *See—*
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Mikami, Yasushi, to Alps Electric Co., Ltd. Shaft mounting apparatus. 3,857,644, 12-31-74, Cl. 403-196.000.
Mikami, Yoichiro: *See—*
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Mikan, Donald G.; and Presti, Achille A., to Pitney-Bowes, Inc. Dampening control circuit for off-set printing apparatus. 3,822,643, 7-9-74, Cl. 101-148.000.
Mikan, Donald G.; and Williamson, Robert J., Jr., to Pitney-Bowes, Inc. Automatic paper feed and cutting mechanism for photocopier machine. 3,843,253, 10-22-74, Cl. 355-29.000.
Mikan, Venzel R. Traction bed construction. 3,821,953, 7-2-74, Cl. 128-71.000.
Mike, Betty J.; and Mike, Evangle P. Elastic type surface supported portable indoor-outdoor ball projecting device. 3,802,409, 4-9-74, Cl. 124-20.00r.
Mike, Evangle P.: *See—*
Mike, Betty J.; and Mike, Evangle P., 3,802,409.
Mikelson, Artur Eduardovich: *See—*
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Mikhail, Edward M.; Stevenson, Warren H.; Kurtz, Maurice K., Jr.; and Balasubramanian, N., to United States of America, Army. Method and apparatus for mensuration of three-dimensional objects and of stereomodels of such objects. 3,820,895, 6-28-74, Cl. 3562.000.
Mikhailov, Evgeny Leonidovich; Boiko, Valery Ivanovich; Nikolaev, Peter Ivanovich; Melnikov, Innokenty Alexandrovich; Eremin, Vladimir Alexandrovich; Revazov, Vyacheslav Georgievich; Jurievich, Jury Iosifovich; and Losev, Gennady Evgenievich. Device for stirring and aerating liquids in mass-exchange apparatus. 3,815,879, 6-11-74, Cl. 261-93.000.
Mikhailov, Nikolai Pavlovich: *See—*
Kashuba, Vladimir Pavlovich; Mikhailov, Nikolai Pavlovich; Fridman, Lev Petrovich; and Rattenberg, Vadim Nikolaevich, 3,833,050.
Mikhailov, Valery Mikhailovich; and Pisarevskaya, Silvia Izrailevna. Split-type magnetic field concentrator. 3,832,509, 8-27-74, Cl. 219-7.500.
Mikhailov, Valery Mikhailovich; and Khimenko, Lev Timofeevich. Inductor for shaping parts by pulsed magnetic field pressure. 3,842,630, 10-22-74, Cl. 72-56.000.
Mikhailu, Georgy Ivanovich: *See—*
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Mikhalsky, Fedor Mikhailovich; Gaspariants, Artemy Mikhailovich; Purlov, Jury Nikolaevich; Kulesh, Pavel Ivanovich; Rudenko, Pavel Petrovich; Ryabtsev, Alexei Nikolaevich; and Levi, Yakov Efimovich; deceased (by Levi, Mina Neukhovna; administrator). Plant or continuous production of cellulose triacetate in a heterogeneous phase. 3,785,775, 1-15-74, Cl. 23-260.000.
Mikheeva, Natalia Vasilievna: *See—*
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Miki, Hideki; and Saikawa, Hiroo, to Takeda Chemical Industries, Ltd. Method for producing pyridoxine and intermediates therefor. 3,796,720, 3-12-74, Cl. 260-295.0vb.
Miki, Shinsuke; and Nishida, Takao, to Amchem Products, Inc., mesne. Method for coating the surface of a metallic material. 3,829,371, 8-13-74, Cl. 204-181.000.
Miki, Sukeichi: *See—*
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Miki, Takao; and Saita, Toshikazu, to Mitsubishi Denki Kabushiki Kaisha. Igniter for an internal combustion engine. 3,821,944, 7-2-74, Cl. 123-179.0bg.
Miki, Takuichi: *See—*
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Mikulina, Thomas W.; Lievens, Ronald J.; and Brockman, George T., to Trane Company, The. Air moving apparatus. 3,811,790, 5-21-74, Cl. 415-145.000.

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Milana, Anthony A.; and Lehman, Jaime, to Kahle Engineering Co. Automatic brazing wire feeder. 3,830,420, 8-20-74, Cl. 228-9.000.

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Miles, John R., to Gulf & Western Industries, Inc. Traffic signal lens. 3,798,445, 3-19-74, Cl. 240-106.100.

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Miles, Ray P.; and Szues, Andrew E., to Copperloy Corporation, The. Suspension for mobile ramp structure. 3,802,018, 4-9-74, Cl. 14-72.000.

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Millard, Frederick William; and Wike, William Leroy, to GAF Corporation. Bleach solution for use in the process of color photography containing an alkali metal fluoride. 3,806,343, 4-23-74, Cl. 96-60.00r.

Millard, John Brennan: *See*—
Maunsell, Henry Ian Geoffery; Millard, John Brennan; Pan, John William; and Schottle, John Jeffrey, 3,815,042.

Millard, Richard J.; and Poat, David R., to Sprague Electric Company. Solid tantalum capacitor with end cap terminals. 3,828,227, 8-6-74, Cl. 317-230.000.

Millard, Stephen: *See*—
Peterman, Neil R.; Korn, Darryl K.; and Millard, Stephen, 3,825,844.

Millard, William E.: *See*—
Blezard, Robert C.; and Millard, William E., 3,808,840.

Millard, William Harry: *See*—
Doe, Ernest Edward; and Millard, William Harry, 3,818,932.

Millauer, Hans, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of pentafluoroethyl iodide. 3,804,909, 4-16-74, Cl. 260-653.700.

Millauer, Hans, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of pentafluorethyl iodide and heptafluorisopropyl iodide. 3,829,512, 8-13-74, Cl. 260-653.600.

Millauer, Hans, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of fluoroalkyl iodides. 3,830,857, 8-20-74, Cl. 260-653.700.

Miller, Adam R., to Union Carbide Corporation. Fluid bed polymerization process. 3,790,550, 2-5-74, Cl. 260-94.90p.

Miller, Adam Roy, to Union Carbide Corporation. Fluid bed polymerization catalyst injection system. 3,790,036, 2-5-74, Cl. 222-194.000.

Miller, Alan H.; and Currie, Grover C., to Cellu Products Company. Disposable absorbent pad. 3,799,167, 3-26-74, Cl. 128-287.000.

Miller, Alan H., to DeLaval Turbine Inc. Repair-welding of heat exchanger tube sheets. 3,806,693, 4-23-74, Cl. 219-121.0eb.

Miller, Alan Neil: *See*—
Weissman, Bernard; Miller, Alan Neil; and Fredericks, Walter Henry, 3,807,404.

Miller, Alan R., to EDN Corporation. Harness cable lacing tool. 3,821,058, 6-28-74, Cl. 156-468.000.

Miller, Albert J., to Bike Alarm, Ltd. Bicycle theft alarm. 3,828,310, 8-6-74, Cl. 340-65.000.

Miller, Albert R.: *See*—
Spiegel, Jacob; and Miller, Albert R., 3,829,348.

Miller, Alexander, Jr.; Anderson, Victor F.; Holt, Raymond W.; and Fortenbach, Robert W., to Shell Oil Company. Vapor releasing device. 3,804,330, 4-16-74, Cl. 239-34.000.

Miller, Alexander, Jr.; Anderson, Victor F.; Holt, Raymond W.; and Fortenbach, Robert W., to Shell Oil Company. Vapor releasing device. 3,823,873, 7-16-74, Cl. 239-54.000.

Miller, Alfred D., to ICI United States Inc. 8-Oxa-3-azabi cyclo(3.2.1)octane compounds. 3,856,783, 12-24-74, Cl. 260-240.00d.

Miller, Alfred E.: *See*—
Check, Mathias M., 3,794,212.

Miller, Allan, to Phillips Screw Company. Safety lock with provision for key user identification. 3,825,898, 7-23-74, Cl. 340-149.00r.

Miller, Allan Sinclair, to Denco Miller Limited. Self contained air cooling unit. 3,822,561, 7-9-74, Cl. 62-157.000.

Miller, Allen R.: *See*—
Miller, Charles P.; Miller, Allen R.; and Miller, David J., 3,856,425.

Miller, Allyn C. Automatic sequencing high vacuum mechanical valve system and apparatus. 3,829,244, 8-13-74, Cl. 417-53.000.

Miller, Anton Johann, to Bell Telephone Laboratories, Incorporated. Technique for generating spherically contoured tools. 3,802,064, 4-9-74, Cl. 29-558.000.

Miller, Anton Johann, to Bell Telephone Laboratories, Incorporated. Technique for correcting the crystallographic orientation angle of crystals by the formation of mesas and double face lapping. 3,803,774, 4-16-74, Cl. 51-283.000.

Miller, Anton Johann, to Bell Telephone Laboratories, Incorporated. Technique for correcting the crystallographic orientation angle of crystals by double face lapping of overlapping layers. 3,805,458, 4-23-74, Cl. 51-283.000.

Miller, Arnold W.; and Larson, William D., Jr., to Electro-Specialties, Inc. Capacitor discharge ignition system testing apparatus. 3,784,901, 1-8-74, Cl. 324-16.00r.

Miller, Arthur, to RCA Corporation. Adaptive surface wave devices. 3,805,195, 4-16-74, Cl. 333-30.00r.

Miller, Arthur. Pole holding and setting device. 3,834,560, 9-10-74, Cl. 214-3.000.

Miller, Arthur F.: *See*—
Callahan, James L.; Miller, Arthur F.; and Shaw, Filfrid G., 3,848,033.

Miller, Arthur W.; Stuemky, Robert E.; and Morse, George E., to Gates Rubber Company, The. End cap for flexible shaft couplings and method. 3,788,098, 1-29-74, Cl. 64-11.00r.

Miller, Bennie S. T. V. project-o-scope. 3,820,885, 6-28-74, Cl. 353-98.000.

Miller, Bernard: *See*—
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Miller, Bernard. Process for the preparation of ring-chlorinated alkylbenzenes. 3,844,917, 10-29-74, Cl. 204-163.00r.

Miller, Bernard F., to Ingersoll-Rand Company. Flexible or universal coupling means. 3,857,642, 12-31-74, Cl. 403-57.000.

Miller, Blaine Monroe: *See*—
Buckman, Wayne T.; Miller, Blaine Monroe; and Lewis, Thomas Robert, 3,784,116.

Miller, Bob C. Sequencing valve. 3,785,391, 1-15-74, Cl. 137-119.000.

Miller Brewing Company: *See*—
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Westermann, Donald H.; Chicoye, Etzer; and Hoffmann, Darrell R., 3,798,332.

Miller Bros., Co., (1962) Limited, The: *See*—
Campbell, Hubert J., 3,833,465.

Miller Brothers: *See*—
Miller, Norman K., 3,842,866.
Miller, Norman K., 3,855,733.

Miller, Bruce D., to Refco, Inc. Refrigeration system having improved heat transfer and reduced power requirements. 3,837,175, 9-24-74, Cl. 62-192.000.

Miller, Calvin L.: *See*—
Bertram, August H.; and Miller, Calvin L., 3,835,722.

Miller, Calvin L., to Caterpillar Tractor Company. Lubrication system for swing gear drive. 3,854,553, 12-17-74, Cl. 184-6.120.

Miller, Calvin Lyle: *See*—
Freedy, Allan Leslie; Miller, Calvin Lyle; and Simpson, Fred Eugene, 3,847,451.

Miller, Cardell E.: *See*—
Thoreson, Gene A.; Ley, Richard A.; Miller, Cardell E.; and Emery, Lewis A., 3,836,125.

Miller, Carl K.: *See*—
Miller, Robert C.; and Miller, Carl K., 3,804,115.

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Miller, Cecil R.: *See*—
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Miller, Charles E.: *See*—
Repik, Albert J.; Miller, Charles E.; and Johnson, Homer R., 3,843,559.

Miller, Charles Edward; and Nuding, James Andrew, to Litton Systems, Inc. Low leakage current electrical isolation system. 3,851,287, 11n26-74, Cl. 336-84.000.

Miller, Charles Eveleigh: *See*—
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Miller, Charles Eveleigh, to International Telephone and Telegraph Corporation. Method of making a vibration densitometer. 3,805,361, 4-23-74, Cl. 29-407.000.

Miller, Charles Eveleigh; and Schlatter, Gerald Lance, to International Telephone and Telegraph Corporation. Densitometer. 3,805,592, 4-23-74, Cl. 73-32.000.

Miller, Charles Eveleigh, to International Telephone and Telegraph Corporation. Densitometer and probe therefor. 3,808,875, 5-7-74, Cl. 73-32.000.

Miller, Charles Frederick. Assembling and securing machine. 3,831,252, 8-27-74, Cl. 29-203.00b.

Miller, Charles Fredrick. Method and apparatus for bonding in miniaturized electrical circuits. 3,855,034, 12-17-74, Cl. 156-297.000.

Miller, Charles G., to United States of America, National Aeronautics and Space Administration. Dispensing targets for ion beam particle generators. 3,816,785, 6-11-74, Cl. 313-61.00s.

Miller, Charles H. Odor elimination system. 3,816,073, 6-11-74, Cl. 21-102.00r.

Miller, Charles H.; and Mayrl, Jose A. Wall structure. 3,826,051, 7-30-74, Cl. 52-227.000.

Miller, Charles J., to Parker, Charles, Company, The. Method of erecting stairs. 3,839,840, 10-8-74, Cl. 52-741.000.

Miller, Charles P.; Miller, Allen R.; and Miller, David J., to Miller Formless Co., Inc. Adjustable side for slip form. 3,856,425, 12-24-74, Cl. 404-84.000.

Miller, Charles S.: *See*—
Saari, Walfred S.; and Miller, Charles S., 3,784,700.

Miller, Charles S.; deceased (by Miller, Ruth A.; administrator), to Merck & Co., Inc. Antihypertensive agents. 3,843,796, 10-22-74, Cl. 424-273.000.

Miller, Charlie D., to Carrier Corporation. Rotary internal tube cutter. 3,783,721, 1-8-74, Cl. 82-82.000.

Miller, Charlie D., to Carrier Corporation. Tube severing device. 3,810,402, 5-14-74, Cl. 82-82.000.

Miller, Charlie D.; and Byrns, Edson H., to Carrier Corporation. Apparatus for expanding heat exchanger tubes in tube support sheets. 3,829,948, 8-20-74, Cl. 29-202.00d.

Miller, Chauncey S., to Sperry Rand Corporation. Multifrequency communication system for fading channels. 3,810,019, 5-7-74, Cl. 325-40.000.

Miller, Clair J. Control for double-acting door. 3,805,451, 4-23-74, Cl. 49-394.000.

Miller, Clarence S., Jr.; and Seely, George A., to AWT Systems, Inc. Solids feed to a pressurized reactor. 3,841,465, 10-15-74, Cl. 198-213.000.

Miller, Clark Ober, to Lubrizol Corporation, The. Lubricants and fuels containing ester-containing compositions. 3,836,469, 9-17-74, Cl. 252-40.500.

Miller, Clark Ober, to Lubrizol Corporation, The. Lubricants and fuels containing ester-containing compositions. 3,836,470, 9-17-74, Cl. 252-51.50a.

Miller, Clark Ober, to Lubrizol Corporation, The. Lubricants and fuels containing ester-containing compositions. 3,836,471, 9-17-74, Cl. 252-51.50a.

Miller, Clark Ober, to Lubrizol Corporation, The. Lubricants and fuels containing ester-containing compositions. 3,838,050, 9-24-74, Cl. 252-40.500.

Miller, Clark Ober, to Lubrizol Corporation, The. Lubricants and fuels containing ester-containing compositions. 3,838,052, 9-24-74, Cl. 252-56.00r.

Miller, Cole R., to Ecodyne Corporation, mesne. Ion exchange resin separation apparatus and method employing sonic means to senser resin level. 3,797,660, 3-19-74, Cl. 209-499.000.

Miller, Dale E. Method for geophysical prospecting. 3,793,620, 2-19-74, Cl. 340-15.5mc.

Miller, Dale E., to Continental Oil Company. Method and apparatus for determining the presence of and depth to a horizontal electrical resistivity contrast beneath the earth surface. 3,838,335, 9-24-74, Cl. 324-10.000.

Miller, Darrow L., to North American Rockwell Corporation. Rectilinear acoustical transducer inspection apparatus. 3,789,656, 2-5-74, Cl. 73-71.500.

Miller, Darrow L.; and Kaelble, David H., to North American Rockwell Corporation. Silicone elastomeric material. 3,853,805, 12-10-74, Cl. 260-37.0sb.

Miller, David: *See*—
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Miller, David E., to Emerson Electric Co. Fan and high temperature limit control for warm air furnaces. 3,829,811, 8-13-74, Cl. 337-353.000.

Miller, David J.: *See*—
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Miller, David M., to Swift & Company. Modification of protein with ethylenimine. 3,798,208, 3-19-74, Cl. 260-119.000.

Miller, David M. Position authentication system for information-bearing devices. 3,821,518, 6-28-74, Cl. 235-61.110.

Miller, David Martin: *See*—
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Miller, David T., to Statham Instruments, Inc. Thermodynamic cycles. 3,788,091, 1-29-74, Cl. 62-175.000.

Miller, David T., to Statham Instruments, Inc. Thermodynamic cycles. 3,788,092, 1-29-74, Cl. 62-175.000.

Miller, Dean E., to Caterpillar Tractor Company. Manual override system for a variable volume pump. 3,785,754, 1-15-74, Cl. 417-213.000.

Miller, Delroy E.: *See*—
Dirks, Gerhard H.; Dirks, Wolfgang G.; Miller, Delroy E.; and Scott, Glenn A., 3,839,664.

Miller, Dennis D.; and Karr, Jerry W., to Harmon Industries, Inc. Safety chain attachment for roof-mounted trailer hitch. 3,827,722, 8-6-74, Cl. 280-432.000.

Miller, Dolpn S. System of firefighting and blow-out protection for a drilling operation. 3,804,175, 4-16-74, Cl. 169-46.000.

Miller, Don H.: *See*—
Loveless, Frederick C.; and Miller, Don H., 3,855,185.

Miller, Donald, to United States of America, Army. Controllable heat sealing process for optimum seal strength. 3,826,701, 7-30-74, Cl. 156-64.000.

Miller, Donald, to United States of America, Navy. Suction gripping device. 3,853,345, 12-10-74, Cl. 294-64.00r.

Miller, Donald E.: *See*—
Maloney, Thomas C.; and Miller, Donald E., 3,849,688.
Taggart, Robert E.; and Miller, Donald E., 3,795,303.

Miller, Donald L., to Bendix Corporation, The. Flexible coupling. 3,788,099, 1-29-74, Cl. 64-12.000.

Miller, Donald L., to Bendix Corporation, The. Self-adjusting electromagnetic disc clutch. 3,789,966, 2-5-74, Cl. 192-111.00a.

Miller, Donald P.: *See*—
Hatzmann, John F.; and Miller, Donald P., 3,790,159.

Miller, Douglas S.: *See*—
Ishimitsu, Kichio; Kelly, John D.; Miller, Douglas S.; and Taylor, Gordon A., 3,838,425.

Miller, Doyle H., to Lectro-Static Magnetic Corporation. Process and apparatus for effecting efficient combustion. 3,830,621, 8-20-74, Cl. 431-356.000.

Miller, Earl E., to Victor Comptometer Corporation. Reel securing device. 3,792,546, 2-19-74, Cl. 43-22.000.

Miller, Edward F.: *See*—
Chafetz, Harry; Cullen, William P., and Miller, Edward F., 3,784,645.
Chafetz, Harry; Cullen, William P.; and Miller, Edward F., 3,789,076.
Hellmuth, Walter W.; and Miller, Edward F., 3,787,497.

Miller, Edward F. Reverse osmosis separator unit. 3,839,201, 10-1-74, Cl. 210-22.000.

Miller, Edward T., 8% to Pollard, R. J. Fluid translator. 3,852,001, 12-3-74, Cl. 418-196.000.

Miller, Edwin E.: *See*—
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Endter, Dale S.; and Miller, Edwin E., 3,837,637

Miller Electric Mfg. Co.: *See*—
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Miller, Ellsworth S.: *See*—
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Miller Engineering Corporation: *See*—
Miller, Frank H., Jr.; and Witherspoon, David L., 3,854,601

Miller, Eric, to Glenfield & Kennedy Limited. Hydraulic installation. 3,812,871, 5-28-74, Cl. 137-1.000.

Miller, Ervin R.: *See*—
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Miller, Eugene Boyd. Pistol-grip garden hoe. 3,782,482, 1-1-74, Cl. 172-381.000.

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Miller, Ford S.: *See*—
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Miller Formless Co., Inc.: *See*—
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Miller, Francis G.; and Irons, Stanton D., to Bethlehem Steel Corporation. Heavy medium beneficiating process. 3,794,162, 2-26-74, Cl. 209-172.500.

Miller, Frank E.; and Sulcek, Charles E., to Whirlpool Corporation. Refuse compactor support structure. 3,786,744, 1-22-74, Cl. 100-229.00a.

Miller, Frank E.; and Sulcek, Charles E., to Whirlpool Corporation. Means for mounting components of a refuse compactor in coordinated relationship. 3,800,694, 4-2-74, Cl. 100-45.000.

Miller, Frank H., Jr.; and Witherspoon, David L., to Miller Engineering Corporation. Apparatus for forming patterned layers. 3,854,601, 12-17-74, Cl. 214-6.00p.

Miller, Frank S.: *See*—
Tu, Peter K. C.; Brooke, Alan H.; and Miller, Frank S., 3,853,518.

Miller, Franz-Friedrich: *See*—
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Miller, Frederic I., to United States of America, Navy, mesne. Redundant logic circuit. 3,800,164, 3-26-74, Cl. 307-204.000.

Miller, Frederick Henry, Jr. Adjustable animal maze device. 3,857,364, 12-31-74, Cl. 119-1.000.

Miller, Frederick W., III, to Extracorporeal Medical Specialties, Inc. Rigid casing for dialyzer coil. 3,853,769, 12-10-74, Cl. 210-321.000.

Miller, Gabriel Lorimer, to Bell Telephone Laboratories, Incorporated. Liquid contacts for use in semiconductor doping profile analysis. 3,803,489, 4-9-74, Cl. 324-158.00d.

Miller, Gabriel Lorimer; and Robinson, David Arthur Hall, to Bell Telephone Laboratories, Incorporated. Semiconductor diode thermometry. 3,812,717, 5-28-74, Cl. 73-362.0sc.

Miller, Gary E., to Arco Nuclear Company, mesne. Method of producing sheets and article to practice such method. 3,827,264, 8-6-74, Cl. 72-46.000.

Miller, Gene L.; McNally, James J.; and McClain, Robert D., to Westinghouse Electric Corporation. Electrical device with two-terminal bushing. 3,838,334, 9-24-74, Cl. 323-93.000.

Miller, George A.: *See*—
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Miller, George A.; and Greenfield, Stanley A., to Rohm & Haas Company. Fungicidal salicylaldehyde hydrazones and azines. 3,829,492, 8-13-74, Cl. 260-566.00b.

Miller, George Allen: *See*—
Lewis, Sheldon N.; and Miller, George Allen, 3,835,150.

Miller, George D., to Armco Steel Corporation. Simplified strip accumulation. 3,782,662, 1-1-74, Cl. 242-55.000.

Miller, George D., to Armco Steel Corporation. Method of manufacturing a multi-webbed expanded steel panel. 3,834,000, 9-10-74, Cl. 29-411.000.

Miller, George J.: *See*—
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Miller, George T., to Hooker Chemical Corporation. Process of metal plating. 3,799,794, 3-26-74, Cl. 117-47.00a.

Miller, George T., to Hooker Chemical Corporation. Formation of high strength electrolated filaments. 3,843,493, 10-22-74, Cl. 204-30.000.

Miller, Gerald C. Hand exercising device. 3,830,493, 8-20-74, Cl. 272-67.000.

Miller, Gerald G.; and Zickefoose, Rox L., to National Steel Corporation. Sampling molten metal baths. 3,820,380, 6-28-74, Cl. 73-19.000.

Miller, Gerald K.: *See*—
Duvall, Kenneth M.; and Miller, Gerald K., 3,836,899.

Miller, Gerald K.; and Rautiola, Norman A., to Nartron Corporation. Directional signal with cam switch actuators. 3,809,833, 5-7-74, Cl. 200-61.270.

Miller, Gerald K.; Bull, Dale L.; and Rautiola, Norman A., to Nartron Corporation. Push button switch. 3,819,891, 6-25-74, Cl. 100-67.00d.

Miller, Gerald K.; Bull, Dale L.; and Rautiola, Norman A., to Nartron Corporation. Electrical switch assembly. 3,858,176, 12-31-74, Cl. 340-73.000.

Miller, Gerald M.; and Munter, George M., to Buckbee-Mears Company. System and method for making multigraded TV masks. 3,797,934, 3-19-74, Cl. 355-52.000.

Miller, Gerard Edward: *See*—
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Miller, Gerlad K.; and Rautiola, Norman A., to Nartron Corporation. Audio-visual signal device. 3,810,149, 5-7-74, Cl. 340-326.000.

Miller, Gladys: *See*—
Boller, George E.; and Renk, Richard J., 3,827,769.

Miller, Glenn A., to Goodyear Tire & Rubber Company, The. Hose manufacture. 3,787,956, 1-29-74, Cl. 29-451.000.

Miller, Glenn A. Portable fuel igniter. 3,814,035, 6-4-74, Cl. 110-1.00f.

Miller, Glenn G. Multiple cable block. 3,819,154, 6-25-74, Cl. 254-134.3pa.

Miller, Gordon H., to Texaco Inc. Process for the trimerization of nitriles. 3,809,693, 5-7-74, Cl. 260-248.0cs.

Miller, Gordon H., to Texaco Inc. Trimerization of nitriles. 3,816,418, 6-11-74, Cl. 260-248.0cs.

Miller, Gordon H., to Texaco Inc. Reinforced curable polymeric triazine compositions. 3,817,885, 6-18-74, Cl. 260-9.000.

Miller, Gordon H., to Texaco Inc. Nitrile trimerization process. 3,818,005, 6-18-74, Cl. 260-248.0cs.

Miller, Gordon H., to Texaco Inc. Trimerization of aromatic nitriles. 3,839,331, 10-1-74, Cl. 260-248.0cs.

Miller, Gordon R., to Dow Chemical Company, The. Process for the preparation of thin polyurethane foams and laminates. 3,804,931, 4-16-74, Cl. 264-47.000.

Miller, Harlan E., to International Telephone and Telegraph Corporation. Telephone ringer sharing arrangement. 3,836,728, 9-17-74, Cl. 179-84.00r.

Miller, Harlan E., to International Telephone and Telegraph Corporation. Telephone subscriber recorded announcement system. 3,842,212, 10-15-74, Cl. 179-91.00r.

Miller, Harmon B., to Reclosable Package Corporation. Reclosable package and controlled release paper for use therein. 3,827,625, 8-6-74, Cl. 229-62.000.

Miller, Harold C., to Super-Cut, Inc. Drill shank and chuck assembly for a drill press. 3,817,648, 6-18-74, Cl. 408-59.000.

Miller, Harold C.; Cranford, Wilbert W., Jr.; and Brophy, James J., to United States of America, Army. Mine fuze. 3,835,784, 9-17-74, Cl. 102-70.20r.

Miller, Harold C., to Engelhard Minerals & Chemicals Corporation. Water applicator for a pavement grooving machine. 3,848,929, 11-19-74, Cl. 299-39.000.

Miller, Harold E.; and Miller, Robert E., to Curbmaster of America, Inc. Curb and gutter forming machine. 3,820,913, 6-28-74, Cl. 404-98.000.

Miller, Harold L.: *See*—
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Miller, Harold L. Gate arm clamp and serrating lever. 3,791,072, 2-12-74, Cl. 49-141.000.

Miller, Harold L.; and Shaw, Woodrow G., to Westinghouse Electric Corporation. Drop-out fuse structure with leaf spring in hinge assembly for providing a kickout force. 3,842,384, 10-15-74, Cl. 337-171.000.

Miller, Harold N.: *See*—
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Miller, Harry, to Sperry Rand Corporation. Angle of attack computer. 3,791,208, 2-12-74, Cl. 73-180.000.

Miller, Harry, to Sperry Rand Corporation. Variable throat venturi airspeed sensor. 3,795,145, 3-5-74, Cl. 73-213.000.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Yarn take-up arrangement. 3,807,647, 4-30-74, Cl. 242-18.0dd.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Yarn aspirator. 3,813,020, 5-28-74, Cl. 226-97.000.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Bobbin-supporting chuck. 3,813,051, 5-28-72, Cl. 242-46.400.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Winder traverse for filamentary material. 3,817,465, 6-18-74, Cl. 242-43.000.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Drive roll for winders of filamentary material. 3,825,195, 7-23-74, Cl. 242-18.0dd.

Miller, Harry B., to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Cutter for use in automatic yarn transfer system. 3,844,190, 10-29-74, Cl. 83-395.000.

Miller, Harry Lloyd, to Western Electric Company, Incorporated. Telephone subscriber line terminating test circuit. 3,814,870, 6-4-74, Cl. 179-175.20b.

Miller, Harry R., to SCM Corporation. Print head mounting assembly. 3,826,345, 7-30-74, Cl. 197-52.000.

Miller, Henry C.: *See*—
Duggins, Ray B.; Miller, Henry C.; and Vassiliou, Eustachios, 3,827,933.

Miller, Herbert L., to Miller Mfg. Co. Automatic colorant dispenser. 3,851,798, 12-3-74, Cl. 222-135.000.

Miller, Herman, Inc.: *See*—
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Propst, Robert L., 3,848,278.
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Miller, Herman, Research Corporation: *See*—
Propst, Robert L.; and Propst, Howard B., 3,788,276.
Propst, Robert L.; and Propst, Howard B., 3,788,278.

Miller, Hobson F., to United States Banknote Corporation. Mitt. 3,806,260, 4-23-74, Cl. 401-7.000.

Miller, Hugo; and Miller, Floyd E., to Inter Process Corporation. Produce cooler and method of cooling product. 3,844,132, 10-29-74, Cl. 62-268.000.

Miller, Imrich M., to Universal Manufacturing Corporation. Coil forms and terminal. 3,824,519, 7-16-74, Cl. 336-192.000.

Miller, Jack, to Becton, Dickinson and Company. Method and apparatus for determination of hematocrit. 3,812,425, 5-21-74, Cl. 324-71.0cp.

Miller, Jack E.; and Garrett, Kenneth M. Seine assembly. 3,786,592, 1-22-74, Cl. 43-6.500.

Miller, Jack M.: *See*—
Long, Marshall; Alley, Lewis F.; and Miller, Jack M., 3,799,013.
Long, Marshall; Alley, Lewis F.; and Miller, Jack M., 3,799,019.

Miller, Jack V.; and Galindo, Rudolph D., to Sunbeam Lighting Co. Fluorescent luminaire. 3,790,774, 2-5-74, Cl. 240-147.000.

Miller, Jack Vernon, to M&L Aquatics. Aquarium assembly. 3,841,267, 10-15-74, Cl. 119-5.000.

Miller, James B.: *See*—
Mills, Ernest E.; and Miller, James B., 3,806,002.

Miller, James E., to Minnesota Mining and Manufacturing Company. Apparatus for applying terminals from a carrier strip to wire. 3,813,753, 6-4-74, Cl. 29-203.0dt.

Miller, James E., to CPC International Inc. Process for dyeing polyester fiber. 3,841,831, 10-15-74, Cl. 8-21.00c.

Miller, James G., to Owens-Illinois, Inc. Pipe coupling system for glass or ceramic pipes and related materials. 3,836,182, 9-17-74, Cl. 285-114.000.

Miller, James H., to Gould Inc. Battery container cover. 3,802,597, 4-9-74, Cl. 136-170.000.

Miller, James L.; Wright, Carl J.; and Harrold, Marshall C., to General Motors Corporation. Clothes dryer with press saver cycle including periodic signals. 3,783,529, 1-8-74, Cl. 34-45.000.

Miller, James R.: *See*—
Werzner, William F.; and Miller, James R., 3,822,284.

Miller, James R., to General Tire & Rubber Company, The. Returnable carton. 3,817,443, 6-18-74, Cl. 229-41.00r.

Miller, Jeffrey Ellis: *See*—
Case, Bernard; and Miller, Jeffrey Ellis, 3,803,602.
Case, Bernard; and Miller, Jeffrey Ellis, 3,803,605.

Miller, Jerald E.: *See*—
Garbick, John R.; and Miller, Jerald E., 3,782,433.

Miller, Joe Jed: *See*—
Lo, Ching-Tsan; Miller, Joe Jed; and Cywinski, Norbert Francis, 3,842,132.

Miller, John A.: *See*—
Struthers, John O.; Miller, John A.; and Boucher, Raymond R., 3,802,255.

Miller, John C. Material and method for enhancing combustion. 3,807,972, 4&30-74, Cl. 44-51.000.

Miller, John E.; Shaver, Eugene L.; and Stone, Jack C., to United States of America, Navy, mesne. Wire dispenser. 3,831,879, 8-27-74, Cl. 242-129.000.

Miller, John H. Pipe expansion and repair fitting. 3,837,685, 9-24-74, Cl. 285-45.000.

Miller, John H. Snap-on leak proof clamp. 3,851,671, 12-3-74, Cl. 138-99.000.

Miller, John Herbert. Hand support attachment for a trumpet or like instrument. 3,847,051, 11-12-74, Cl. 84-387.000.

Miller, John J.: *See*—
Bowes, Robert J.; and Miller, John J., 3,822,392.
Bowes, Robert J.; and Miller, John J., 3,826,947.

Miller, John J., to McGraw-Edison Company. Laundry system using hydraulic extractor. 3,844,142, 10-29-74, Cl. 68-19.100.

Miller, John P.; Oatess, Arthur W.; and Thornton, Bryce G., to Addressograph-Multigraph Corporation. Latching mechanism for printing machines. 3,795,191, 3-5-74, Cl. 101-269.000.

Miller, John Paul: *See*—
Brookins, Richard H.; and Miller, John Paul, 3,836,464.

Miller, John S., to Krause, Richard P. Rolling mill with shifting cams for shaping bars. 3,824,829, 7-23-74, Cl. 72-214.000.

Miller, John S.; and Fuqua, Lloyd T., to General Motors Corporation. Wedge base light bulb. 3,857,056, 12-24-74, Cl. 313-318.000.

Miller, John T., Jr.: *See*—
Parts, Leo P.; and Miller, John T., Jr., 3,793,404.
Parts, Leo P.; and Miller, John T., Jr., 3,825,520.

Miller, John W.: *See*—
Siclaff, Ulrich; and Miller, John W., 3,796,096.

Miller, John W., to Lockheed Aircraft Corporation. Low inertia film drive and cassette. 3,791,726, 2-12-74, Cl. 352-166.000.

Miller, John W. V.: *See*—
Bode, Wolfgang W.; Miller, John W. V.; and Photos, Nicholas T., 3,806,761.

Miller, John W. V., to Owens-Illinois, Inc. Conditioning and writing of multiple gas discharge panel. 3,786,474, 1-15-74, Cl. 340-324.00m.

Miller, John W. V., to Owens-Illinois, Inc. Electronic conditioning of gas discharge display/memory device. 3,798,501, 3-19-74, Cl. 315-169.0tv.

Miller, Joseph. Adapter apparatus for tractor. 3,834,567, 9-10-74, Cl. 214-145.000.

Miller, Joseph A., Jr., to Lilly, Eli, and Company. Analgesic compositions and methods. 3,800,041, 3-26-74, Cl. 424-273.000.

Miller, Joseph A., Jr., to Lilly, Eli, and Company. Use of analgesic compositions. 3,845,192, 10-29-74, Cl. 42-244.000.

Miller, Joseph Charles: *See*—
Appenzeller, Henry Albert; Miller, Joseph Charles; and Shea, Vincent, 3,786,660.
Appenzeller, Henry Albert; Miller, Joseph Charles; and Shea, Vincent, 3,853,313.

Miller, Joseph J.: *See*—
Goss, Lorane C., Jr.; Cribben, James T.; and Miller, Joseph J., 3,837,118.

Miller, Joseph R. L. Ambulatory traction device for cervical problems. 3,795,243, 3-5-74, Cl. 128-75.000.

Miller, Julius, to Nouveau Products Corporation. Self-compensating extensible beam. 3,856,251, 12-24-74, Cl. 248-280.000.

Miller, Keith A., to Air Products and Chemicals, Inc. Burner of the oxy-fuel type. 3,856,457, 12-24-74, Cl. 431-353.000.

Miller, Keith D.: *See*—
Fountain, Edger A.; Bachelder, John C.; and Miller, Keith D., 3,805,353.

Miller, Kenneth D.; and Parker, Levi C., to Texaco, Inc. Low pour vacuum gas oil compositions. 3,853,497, 12-10-74, Cl. 44-62.000

Miller, Kenneth E.: *See*—
Wismer, Marco; Pohan, Charles; Miller, Kenneth E.; and Hansen, Charles M., 3,823,027.

Miller, Kenneth H., to Carrier Corporation. Electrodynamic linear motor operated gas compressor. 3,788,778, 1-29-74, Cl. 417-417.000.

Miller, Kenneth J., to United States of America, Interior. Flotation of pyrite from coal. 3,807,557, 4-30-74, Cl. 209-166.000.

Miller, Kenneth W., 20% to Lee, Raymond, Organization, Inc., The. Educational game: Space station. 3,810,615, 5-14-74, Cl. 273-1.00e.

Miller, Leo C. Stair traversing mechanism for hand truck. 3,788,413, 1-29-74, Cl. 180-8.00a.

Miller, Leon F.; Herbruggen, Henry J.; and Shields, Robert G., to Sherwin-Williams Company, The, mesne. Jolt table shaped for supporting cope top and telescoping into drag. 3,815,662, 6-11-74, Cl. 164-203.000.

Miller, Leonard Edward; and Hayashi, Katsumi, to Lubrizol Corporation, The. Acrylonitrile polymerization method and products thereof. 3,816,370, 6-11-74, Cl. 260-79.3mu.

Miller, Leonard R.: *See*—
Ficken, Vernon Joe; Halpern, Samuel E.; and Miller, Leonard R., 3,810,976.

Miller, Leonidas C. Rotary flow meter for wells. 3,826,134, 7-30-74, Cl. 73-155.000.

Miller, Leroy J.: *See*—
Bilow, Norman; Landis, Abraham L.; and Miller, Leroy J., 3,845,018.

Miller, Leslie E. Cooling device for portable chest. 3,855,816, 12-24-74, Cl. 62-387.000.

Miller, Lester, to Bangor Punta Operations, Inc. Articulated trailer hitch. 3,787,068, 1-22-74, Cl. 280-446.00r.

Miller, Lester, to Bangor Punta Operations, Inc. Convertible top for boats and the like. 3,823,431, 7-16-74, Cl. 9-1.00r.

Miller, Lester F., Jr.: *See*—
Ott, Owen J.; Ginn, David W.; and Miller, Lester F., Jr., 3,825,936.

Miller, Lester I., to Du Pont de Nemours, E. I., and Company. Thermosetting coating composition of an alkyd resin mixture and aliphatic polyisocyanate cross-linking agent. 3,789,037, 1-29-74, Cl. 260-16.000.

Miller, Lester Isaac, to Du Pont de Nemours, E. I., and Company. Air-drying coating composition of an acrylic enamel and an isocyanate cross-linking agent. 3,844,993, 10-29-74, Cl. 260-22.0tm.

Miller, Lewis S., to Weyerhaeuser Company. Electroconductive coating, electrostatographic copy sheet, and methods of making and using the same. 3,798,032, 3-19-74, Cl. 96-1.500.

Miller, Lewis S., to Weyerhaeuser Company. Method of producing coatings using thixotropic compositions. 3,839,076, 10-1-74, Cl. 117-93.310.

Miller, Lewis S., to Weyerhaeuser Company. Use of ultraviolet light to cure uncured surface layer resulting from air inhibition in preceding high energy ionizing radiation curing process. 3,850,675, 11-26-74, Cl. 117-93.310.

Miller, Louis D., to United States of America, Army. Infrared vidicon with off-axis electron gun. 3,857,035, 12-24-74, Cl. 250-338.000.

Miller, Lucian C.: *See*—
Judkins, Herbert T.; and Miller, Lucian C., 3,854,717.

Miller, Lyle Eugene: *See*—
Rathe, Robert Allyn; and Miller, Lyle Eugene, 3,786,872.
Schroeder, Kenneth Roger; and Miller, Lyle Eugene, 3,844,369.

Miller, Lyle Eugene, to Deere & Company. Instrument panel cover. 3,814,205, 6-4-74, Cl. 180-90.000.

Miller, Marie O. False eyebrows. 3,823,723, 7-16-74, Cl. 132-5.000.

Miller, Marilyn; Goeller, Leonhard A.; and Stevens, Laurence G., to Universal Oil Products Company. Hydrometallurgical recovery of nickel values. 3,845,189, 10-29-74, Cl. 423-150.000.

Miller, Marjorie A. Urine shield. 3,787,903, 1-29-74, Cl. 4-134.000.

Miller, Marvin A. Combined billiard ball rack and shoe assembly. 3,794,319, 2-26-74, Cl. 273-22.000.

Miller, Marvin E., to Warwick Electronics Inc. Dynamic convergence circuit. 3,832,594, 8-27-74, Cl. 315-13.00c.

Miller, Marvin E., to Warwick Electronics Inc. Method and apparatus for static and dynamic convergence. 3,849,697, 11-19-74, Cl. 315-13.00c.

Miller, Matthew S.; and Harhen, Paul F., to Saga Laboratories, Inc. Microwave cooking apparatus. 3,818,171, 6-18-74, Cl. 219-10.550.

Miller, Maurice E. Hydraulically operated weight control. 3,809,165, 5-7-74, Cl. 172-328.000.

Miller, Maynard Guy, Jr.: *See—*
Paisley, John C.; and Miller, Maynard Guy, Jr., 3,830,027.

Miller, Melville Wallace: *See—*
Colaiace, Victor Vincent; and Miller, Melville Wallace, 3,817,601.

Miller, Melvin N.; Levine, Marshall S.; and Partin, Melvin E., to Geometric Data Corporation. Color separation for descrimination in pattern recognition systems. 3,827,804, 8-6-74, Cl. 356-39.000.

Miller, Melvin N.; and Levine, Marshall S., to Geometric Data Corporation. Pattern recognition system. 3,832,687, 8-27-74, Cl. 340-146.3ma.

Miller Mfg. Co.: *See—*
Miller, Herbert L., 3,851,798.

Miller, Michael Evans: *See—*
Leedom, Marvin A.; and Miller, Michael Evans, 3,826,877.

Miller, Michael Evans, to RCA Corporation. Demountable capacitive protective coupling for pickup transducers. 3,843,846, 10-22-74, Cl. 179-100.40m.

Miller, Mickey J., to Harnischfeger Corporation. Hydraulic crane control system having means for deactivating control valves when operating limit is exceeded. 3,814,265, 6-4-74, Cl. 212-35.000.

Miller, Mildred: *See—*
Brown, Craig T., 3,838,418.

Miller, Murray H.: *See—*
Boenke, Clyde O.; Miller, Murray H.; Levine, Michael R.; Rigotte, Victor H.; Vivian, Weston E.; and Hall, William C., 3,836,888.

Miller, Norman K., to Miller Brothers. Plastic welded tube. 3,842,866, 10-22-74, Cl. 138-128.000.

Miller, Norman K., to Miller Brothers. Sensitive edge for a door. 3,855,733, 12-24-74, Cl. 49-488.000.

Miller, O. Neal: *See—*
Guthrie, Robert William; Hamilton, James Guthrie; Kierstead, Richard Wightman; Miller, O. Neal; and Sullivan, Ann Clare, 3,810,931.

Miller, Orville C.: *See—*
Sauer, Louis E.; and Miller, Orville C., 3,800,421.

Miller, Orville C., to Centenary Central, Inc. Method of producing cutting plates for die cutting operations. 3,847,036, 11-12-74, Cl. 76-107.00c.

Miller, Paul C.: *See—*
Chase, Arthur B.; and Miller, Paul C., 3,841,746.

Miller, Paul J., to Weatherhead Company, The. Dual brake system. 3,818,804, 6-25-74, Cl. 92-23.000.

Miller, Paul Marcus, to Tangen Drives, Inc. Parts orienter and feeder assembly. 3,815,782, 6-11-74, Cl. 221-160.000.

Miller, Paul W., to Wean United, Inc. Magnetic sheet classifier. 3,814,243, 6-4-74, Cl. 209-223.00a.

Miller, Paul W., to Wean United, Inc. Apparatus for deflecting sheet-like material. 3,820,775, 6-28-74, Cl. 271-64.000.

Miller Pottery Engineering Company: *See—*
Miller, Vincent P., 3,844,249.

Miller Printing Machinery Co.: *See—*
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Miller, Ralph: *See—*
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Miller, Raymond B., to General Electric Company. Device for inspection of cambered airfoils. 3,832,785, 9-3-74, Cl. 33-174.00g.

Miller, Raymond F. Limbo game apparatus. 3,801,096, 4-2-74, Cl. 273-1.00r.

Miller, Reginald T. Fin-keel catamaran. 3,788,257, 1-29-74, Cl. 114-39.000.

Miller, Richard A., to Rusco Industries, Inc.. Molded bed frame leg. 3,828,376, 8-13-74, Cl. 500-200.00r.

Miller, Richard Chilton; and Duncan, Robert Campbell, to Procter & Gamble Company, The. Shortened side flaps for disposable diaper. 3,807,402, 4-30-74, Cl. 128-287.000.

Miller, Richard K., to Goodrich, B. F., Company, The. Initiator emulsion for olefinic polymerization reactions. 3,825,509, 7-23-74, Cl. 260-86.300.

Miller, Richard Montgomery. Traffic network system. 3,854,408, 12-17-74, Cl. 104-124.000.

Miller, Richard P., to Lilly, Eli, and Company. Method of inhibiting the action of renin in hypertensive mammals. 3,784,686, 1-8-74, Cl. 424-94.000.

Miller, Richard W.; and Beroza, Morton, to United States of America, Agriculture: Micro-encapsulated insecticide feed-additive for control of fly larvae in cow manure. 3,830,914, 8-20-74, Cl. 424-219.000.

Miller, Robert; and Derderian, Carl, to Uniroyal, Inc. Manufacture of vulcanized elastomeric hose. 3,824,141, 7-16-74, Cl. 156-143.000.

Miller, Robert Boothe; and Laurie, C. Keith, to Canada Cane Equipment, Ltd. Production of livestock feed from sugarcane. 3,796,809, 3-12-74, Cl. 426-2.0nd.

Miller, Robert C.: *See—*
Carr, Walter J., Jr.; and Miller, Robert C., 3,825,910.
Rossen, Jack L.; Miller, Robert C.; and Gellman, Gary, 3,851,084.

Miller, Robert C., to Safeway Products, Inc. Water bed heater. 3,790,753, 2-5-74, Cl. 219-528.000.

Miller, Robert C.; and Miller, Carl K., to Borg-Warner Corporation. Air supply manifold for a hydrotherapy treatment system. 3,804,115, 4-16-74, Cl. 137-525.000.

Miller, Robert C.; and Carr, Walter J., Jr., to Westinghouse Electric Corporation. Perimeter intrusion detection system. 3,812,484, 5-21-74, Cl. 340-258.00c.

Miller, Robert C. Orbital sealed chamber engine. 3,835,823, 9-17-74, Cl. 123-42.000.

Miller, Robert C., to Safeway Products, Inc. Method of making water bed heater. 3,840,985, 10-15-74, Cl. 29-611.000.

Miller, Robert C., Jr.: *See—*
Burrell, Harry; and Miller, Robert C., Jr., 3,811,915.

Miller, Robert D.: *See—*
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Miller, Robert E.: *See—*
Licina, Charles; Miller, Robert E.; and Taylor, Nathaniel H., 3,797,052.
Miller, Harold E.; and Miller, Robert E., 3,820,913.

Miller, Robert F., to Modine Manufacturing Company. Air moving means drive system. 3,789,284, 1-29-74, Cl. 318-377.000.

Miller, Robert G.: *See—*
Anderson, Arlynn W.; Coleman, Donald F.; Fuzzell, Joe E.; Greiner, Jonny R.; and Miller, Robert G., 3,827,024.

Miller, Robert G. Impact wrench. 3,831,468, 8-27-74, Cl. 81-52.300.

Miller, Robert G.; Crayton, John W.; Farmer, Charles G.; and Satzler, Ronald L., to Production Technology Inc., mesne. Method for angular alignment of inertia or friction welded parts. 3,840,979, 10-15-74, Cl. 29-470.300.

Miller, Robert J.; and Dorfman, Walter, to Decision Data Corporation. Device for sensing coded perforations. 3,840,751, 10-8-74, Cl. 250-569.000.

Miller, Robert L.; and Fisset, Louis M., to Ex-Cell-O Corporation. Tooth forming tool. 3,827,280, 8-6-74, Cl. 72-469.000.

Miller, Robert L.; and Fisset, Louis M., to Ex-Cell-O Corporation. Toothed forming tool. 3,857,273, 12-31-74, Cl. 72-469.000.

Miller, Robert N.: *See—*
Boggs, Wilburn A.; and Miller, Robert N., 3,841,896.

Miller, Robert N. Audio transcriber for transmitting to and receiving from the ear canal. 3,819,860, 6-25-74, Cl. 179-1.00p.

Miller, Robert Percy: *See—*
Gaskell, Philip Hedley; Tilley, Brian Paterson; Irlam, Philip Sidney; Miller, Robert Percy; and Barry, Thomas Ian, 3,804,608.
Gaskell, Philip Hedley; Lythgoe, Stanley; Irlam, Philip Sidney; Miller, Robert Percy; and Barry, Thomas Ian, 3,809,543.

Miller, Robert S., to Tenneco Chemicals, Inc. Preparation of methacrylate copolymers. 3,814,740, 6-4-74, Cl. 260-86.10e.

Miller, Robert T.; and Murin, Elias M., to Mack Trucks, Inc. Adjustable expanding die. 3,845,944, 11-5-74, Cl. 269-48.100.

Miller, Roger E.: *See—*
Arnold, William A.; and Miller, Roger E., 3,810,163.

Miller, Roger L., to Kelsey-Hayes Company. Skid control system. 3,838,889, 10-1-74, Cl. 303-21.00p.

Miller, Roland E.; and Wayne, Clyde D., to Krafteo Corporation. Rapid slicing machine. 3,797,343, 3-19-74, Cl. 83-80.000.

Miller, Ronald H.; and Radli, Bruce A., to Container Corporation of America. Display stand. 3,836,104, 9-17-74, Cl. 248-150.000.

Miller, Ronald J.: *See—*
Campbell, Curtis M.; and Miller, Ronald J., 3,848,114.

Miller, Roy E., to Blue Bell Inc., mesne. Material edge aligning device. 3,825,250, 7-23-74, Cl. 271-250.000.

Miller, Roy W., to Pullman Incorporated. Link swinging hopper discharge gate actuating mechanism. 3,807,316, 4-30-74, Cl. 105-253.000.

Miller, Russell C., to Eltzroth, J. M., & Associates, Inc. Cleaning composition and preparation and use thereof. 3,840,481, 10-8-74, Cl. 252-546.000.

Miller, Russell S. Marker display device. 3,797,143, 3-19-74, Cl. 40-10.00r.

Miller, Ruth A.: *See—*
Miller, Charles S., 3,843,796.

Saari, Walfred S.; and Miller, Charles S., 3,784,700.

Miller, Samuel E.; Crawford, Warren N.; and Lawter, Cletus C., to Quick Service Textiles, Inc. Machine for applying a beaded edge to an advancing textile strip. 3,805,737, 4-23-74, Cl. 118-102.000.

Miller, Samuel L., to Lukens Steel Company. Apparatus and process for suppression of noise and fumes generated by plasma-arc cutting operation. 3,851,864, 12-3-74, Cl. 266-23.00r.

Miller, Sandra Levey: *See—*
Levey, John, 3,782,577.

Miller, Sanford A.: *See—*
Frankenfeld, John W.; and Miller, Sanford A., 3,791,241.

Miller, Silas M.: *See—*
Martin, Otis M.; Kough, John K.; and Miller, Silas M., 3,844,082.

Miller, Silas N.: *See—*
Kough, John K.; Martin, Otis M.; and Miller, Silas N., 3,785,114.

Miller, Sol: *See—*
Haven, William D.; and Miller, Sol, 3,816,330.

Miller, Stanley J., to National Can Corporation. Method and apparatus for feeding a sheet metal web. 3,793,972, 2-26-74, Cl. 113-113.000.

Miller, Stanley J., to National Can Corporation. Cup transfer apparatus and system for drawing. 3,800,583, 4-2-74, Cl. 72-349.000.

Miller, Stanley J., to National Can Corporation. Method for conditioning cans. 3,820,423, 6-28-74, Cl. 82-47.000.

Miller, Stephen A.: *See—*
Smith, John A.; and Miller, Stephen A., 3,787,996.

Miller, Stephen R., to Eastman Kodak Company. Film cartridge. 3,785,726, 1-15-74, Cl. 352-78.00r.

Miller, Stewart Edward, to Bell Telephone Laboratories, Incorporated. Fundamental transverse mode operation in solid state lasers. 3,790,902, 2-5-74, Cl. 331-94.50c.

Miller, Stewart Edward, to Bell Telephone Laboratories, Incorporated. Single material optical fiber structures including thin film supporting members. 3,813,141, 5-28-74, Cl. 350-96.0wg.

Miller, Theodore R. Smith. Venting apparatus. 3,842,722, 10-22-74, Cl. 98-119.000.

Miller, Thomas Howard: *See—*
Lewis, David Otto; and Miller, Thomas Howard, 3,848,235.

Miller, Timothy W., to Bethlehem Steel Corporation. Immersion bell. 3,788,624, 1-29-74, Cl. 266-34.00t.

Miller, Tom B.: *See—*
Noponen, Harold W.; and Miller, Tom B., 3,825,147.

Miller, Vincent P., to Miller Pottery Engineering Company. Tracer type stripe printing system. 3,844,249, 10-29-74, Cl. 118-2.000.

Miller, Walter A.; and Mulvaney, William P., to Union Carbide Corporation. Immiscible polymer products and processes. 3,833,708, 9-3-74, Cl. 264-344.000.

Miller, Walter A.; and Byck, Joseph S., to United States of America, Health, Education and Welfare. Intimal lining and pump with vertically drafted webs. 3,843,974, 10-29-74, Cl. 3-1.000.

Miller, Walter E., Jr.; Peacher, Teddy J.; Duke, Jimmy R.; and Sitton, Robert L., to United States of America, Army. Beamrider missile guidance method. 3,782,667, 1-1-74, Cl. 244-3.130.

Miller, Walter E., Jr.; Duke, Jimmy R.; and Sitton, Robert L., to United States of America, Army. Rate transmittal method for beamrider missile guidance. 3,807,658, 4-30-74, Cl. 244-3.130.

Miller, Walter E., Jr.; and Dent, Irvin E., to United States of America, Army. Light beacon system using amplitude modulation and synchronous detection. 3,808,429, 4-30-74, Cl. 250-199.000.

Miller, Warren H., Jr.: *See—*
Long, Thomas R.; Miller, Warren H., Jr.; and Campbell, Scott V., 3,782,716.

Miller, Warren K.: *See—*
Adams, Thomas H.; and Miller, Warren K., 3,794,467.

Miller, Wayne Russel; and Termont, Charles George, to Deere & Company. Vehicle power steering electrohydraulic safety backup system. 3,820,620, 6-28-74, Cl. 180-79.20r.

Miller, Wendell E.: *See—*
Johnson, Raymond E.; Miller, Wendell E.; and McMillen, Kenneth G., 3,788,077.

Miller, Wendell E.; and McMillen, Kenneth G., deceased (by McMillen, Leanne S., administratirx). Demand hydraulic system with cooling flow circuit. 3,800,536, 4-2-74, Cl. 60-456.000.

Miller, Wendell V.; and Friedrichsen, Thomas, to Massillon-Cleveland-Akron Sign Company, The. Pole sign construction. 3,824,724, 7-23-74, Cl. 40-125.00g.

Miller, Wendell V.; and Friedrichsen, Thomas, to Massillon-Cleveland-Akron Sign Company, The. Pole banner sign construction. 3,831,304, 8-27-74, Cl. 40-125.00g.

Miller, William; Sturman, Martin F.; and Kanbar, Maurice S. Medical instrument for measuring fluid pressure. 3,807,389, 4-30-74, Cl. 128-2.05d.

Miller, William A., Jr. Closed fueling device with automatic cutoff. 3,796,240, 3-12-74, Cl. 141-198.000.

Miller, William Francis, to Marconi Company Limited, The. Frequency generators. 3,826,995, 7-30-74, Cl. 221-38.000.

Miller, William Francis; and Wells, Edward Marshall, to Marconi Company Limited, The. Microwave transmission employing time staggered frequency modulation at an array of radiators. 3,858,215, 12-31-74, Cl. 343-102.000.

Miller, William G.; and Polinski, Raymond E., to United States Steel Corporation. Method of lubricating a hot steel workpiece prior to hot rolling. 3,789,641, 2-5-74, Cl. 72-45.000.

Miller, William H. Gear blanks. 3,847,557, 11-12-74, Cl. 29-191.000.

Miller, William J., to Continental Oil Company. Stabilizing method and apparatus for a submersible tow. 3,807,341, 4-30-74, Cl. 114-235.00b.

Miller, William John; and Calcote, Hartwell Forrest, to Aerochem Research Laboratories, Inc. Method and apparatus for analyzing organic carbon in aqueous systems. 3,814,583, 6-4-74, Cl. 23-230.00r.

Miller, William S. Safety valve structure. 3,792,714, 2-19-74, Cl. 137-494.000.

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Millet, William G. Method of making dental restorations and pontic member therefor. 3,808,687, 5-7-74, Cl. 32-2.000.

Millett, James A., to Bank of Montreal, mesne. Camera mechanism. 3,810,218, 5-7-74, Cl. 354-204.000.

Millette, Clarke F.: *See—*
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Milleville, Bertram J.; Bake, Earl A.; and Lunt, William G., to Rockwell Manufacturing Company. Plug valve assemblies. 3,815,870, 6-11-74, Cl. 251-309.000.

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Milligan, Charles L.: *See—*
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Milligan, Gordon L.; and Toto, John A., to Sperry Rand Corporation. Preloading web cleaner. 3,792,925, 2-19-74, Cl. 355-15.000.

Milligan, James Douglas: *See—*
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Milligan, James W., to Duncan Electric Company, Inc. Magnetic repulsion type of suspension. 3,807,813, 4-30-74, Cl. 308-10.000.

Milligan, Larry Patrick: *See—*
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Milligan, Lee J., to Peripheral Systems Corporation. Controlled transport of a flexible medium. 3,823,945, 7-16-74, Cl. 360-96.000.

Milliken, Paul E., to Goodyear Tire & Rubber Company, The. Inflatable shelter and flexible wall therefor. 3,857,209, 12-31-74, Cl. 52-2.000.

Milliman, Pierce D. Wheeled skis. 3,827,706, 8-6-74, Cl. 280-11.1bt.

Millington, James Peter, to Electricity Council, The. Electrochemical oxidation process. 3,836,441, 9-17-74, Cl. 204-78.000.

Millington, Raymond J.; and Rexek, John R., to Motorola Inc. Self-compensated amplifier circuit. 3,848,143, 11-12-74, Cl. 307-297.000.

Million, Adolf: *See—*
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Million, Carol: *See—*
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Million, Charles J. Means for and method of potting plants 3,848,360, 11-19-74, Cl. 47-58.000.

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Millner, Tivadar; Bartha, Laszlo; and Neugebauer, Jeno. Tungsten incandescent body containing foreign substances and procedure for its preparation. 3,853,492, 12-10-74, Cl. 29-182.000.

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Mills, Archie W. Automatic food holding and turning apparatus. 3,811,376, 5-21-74, Cl. 99-427.000.

Mills, Archie W. Postal scale ruler. 3,830,322, 8-20-74, Cl. 177-246.000.

Mills, Billy R. Foot rest for trucks. 3,784,247, 1-8-74, Cl. 296-75.000.

Mills, David E.; and Sorbie, Thomas B., to Owens-Illinois, Inc. Glass container inspection system. 3,837,468, 9-24-74, Cl. 198-236.000.

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Mills, Ernest F. Pollution control device. 3,844,747, 10-29-74, Cl. 55-233.000.

Mills, George S.: *See—*
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Mills, Gordon E., to Jankelson, Bernard. Method of monitoring mandibular positions and movements. 3,822,694, 7-9-74, Cl. 128-2.00s.

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Mills, Iain C., to Dunlop Holdings Limited. Pneumatic tires. 3,807,476, 4-30-74, Cl. 152-362.00r.

Mills, Ivor W.; and Melchiore, John J., to Sun Oil Company of Pennsylvania. Blended refrigeration oil composition. 3,791,959, 2-12-74, Cl. 208-19.000.

Mills, Ivor W.; and Dimeler, Glenn R., to Sun Oil Company. Process for producing blended petroleum oil. 3,804,743, 4-16-74, Cl. 208-190.000.

Mills, Ivor W.; and Dimeler, Glenn R., to Sun Oil Company. Hydrorefined transformer oil and process of manufacture. 3,839,188, 10-1-74, Cl. 208-14.000.

Mills, Ivor W.; and Dimeler, Glenn R., to Sun Oil Company of Pennsylvania. Hydrorefined lube oil and process of manufacture. 3,839,189, 10-1-74, Cl. 208-18.000.

Mills, Ivor W.; Dimeler, Glenn R.; Atkinson, William A., Jr.; and Hoffman, James P., to Sun Oil Company of Pennsylvania. Oil for use in printing inks. 3,847,623, 11-12-74, Cl. 106-32.000.

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Mills, Junstin W., Jr.: *See—*
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Mills, Kenneth N. Oil level control system having high temperature actuated shut-off valves. 3,817,353, 6-18-74, Cl. 184-6.400.

Mills, King L., to Phillips Petroleum Company. Carbon black filtration process and apparatus. 3,803,807, 4-16-74, Cl. 55-96.000.

Mills, King L., to Phillips Petroleum Company. Method for electrolytically fluorinating organic compounds. 3,806,432, 4-23-74, Cl. 204-59.00f.

Mills, Lawrence W.; Wiggins, MacDonald J.; Graham, Lawrence H.; Larson, Kampbell T.; and Pfitzer, Christian C., to Martin-Marietta Corporation. Radio telephone system having automatic channel selection. 3,806,804, 4-23-74, Cl. 325-55.000.

Mills, M. Dee. Pump-off control apparatus for a pump jack. 3,851,995, 12-3-74, Cl. 417-12.000.

Mills, Marjorie L. Portable douching device. 3,817,247, 6-18-74, Cl. 128-229.000.

Mills, Marvin L. Electromagnetic motors and process of their operation. 3,832,608, 8-27-74, Cl. 318-37.000.

Mills, Maurice T.: *See—*
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Mills, Noel; and Warley, Geoffrey Peter, to Westland Aircraft Limited. Winch mechanism. 3,804,371, 4-16-74, Cl. 254-186.00r.

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Mills, Truett P. Hosel-less wood type golf club. 3,810,621, 5-14-74, Cl. 273-80.200.

Mills, Truett P. Hosel-less wood type golf club. 3,819,181, 6-25-74, Cl. 273-80.200.

Mills, Warren L. Postage estimator and puller. 3,786,885, 1-22-74, Cl. 177-245.000.

Mills, Winslow B. Method and apparatus for controlling the amount of moisture removed from material. 3,815,254, 6-11-74, Cl. 34-31.000.

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Milne, David T.; Plumpe, David J.; and Armstrong, David E. Current switching frequency modulator. 3,835,419, 9-10-74, Cl. 332-16.00r.

Milne, John W., to United States of America, Army. Method of generating control tones. 3,839,728, 10-1-74, Cl. 360-26.000.

Milne, Thomas A., to Midwest Research Institute. Mass marking for spectrometry using programmed molecule clusters. 3,801,788, 4-2-74, Cl. 250-282.000.

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Milner, Freddy L. Self closing tent door. 3,782,399, 1-1-74, Cl. 135-14.00d.

Milner, Sanford N.; and Milner Corporation. Method for polymerizing plastic. 3,829,547, 8-13-74, Cl. 264-297.000.

Milner, William J. Towing bar. 3,806,162, 4-23-74, Cl. 280-502.000.

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Milonas, Timothy S.; and Milonas, Janet O., 3,850,563.

Milonas, Timothy S.; and Milonas, Janet O. Flower candle molding process. 3,809,740, 5-7-74, Cl. 264-306.000.

Milonas, Timothy S.; and Milonas, Janet O. System and method for confectionary molding. 3,850,563, 11-26-74, Cl. 425-275.000.

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Milotich, Francis J., to General Electric Company. Waste treatment system. 3,819,053, 6-25-74, Cl. 210-108.000.

Milovancevic, Slavko. Non-regenerative switching voltage regulator. 3,786,339, 1-15-74, Cl. 323-22.00t.

Milovancevic, Slavko. Switching voltage regulator. 3,790,879, 2-5-74, Cl. 323-22.00t.

Milovancevic, Slavko. Pulsating timer. 3,794,857, 2-26-74, Cl. 307-293.000.

Milovancevic, Slavko. D-C voltage multipliers and polarity converters. 3,821,627, 6-28-74, Cl. 321-2.000.

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Paisley, George C.; and Tier, Fred G., 3,784,434.

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Milstein, Herman. Fringe-making device. 3,842,765, 10-22-74, Cl. 112-9.000.

Miltenberger, Robert S., to National Steel Corporation. Process for preparing killed low carbon steel and continuously casting the same, and the solidified steel shapes thus produced. 3,793,000, 2-19-74, Cl. 75-49.000.

Miltenberger, Robert S., to National Steel Corporation. Process for casting molten aluminum killed steel continuously and the solidified steel shaped thus produced. 3,810,753, 5-14-74, Cl. 75-49.000.

Miltenberger, Robert S.; and Wilcher, David W., to National Steel Corporation. Process for casting molten silicon-aluminum killed steel continuously. 3,822,735, 7-9-74, Cl. 164-56.000.

Miltenberger, Robert S., to National Steel Corporation. Addition agent for deoxidizing and recarburizing degassed steel and method employing the same. 3,841,861, 10-15-74, Cl. 75-53.000.

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Milzner, Karlheinz; and Reisser, Fritz, to Sandoz Ltd.; a/k/a Sandoz AG. O-(2-amino-4-methyl-pyrimidyl-6)-thiophosphoroamidate. 3,808,333, 4-30-74, Cl. 260-256.50r.

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Mimeault, Victor J., to Ferro Corporation. Polysiloxane encapsulation of pigments. 3,849,152, 11-19-74, Cl. 106-308.00q.

Mimeur, Robert, to Etablissements Carpano & Pons S.A. Adjustment device for safety ski binding. 3,801,121, 4-2-74, Cl. 280-11.35t.

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Mimino, Tohru; Nara, Shuuroku; Miyashita, Yoshio; and Nishikawa, Katsuhiko, to Nippon Kokan Kabushiki Kaisha. Steel having improved free-cutting properties. 3,788,843, 1-29-74, Cl. 75-124.000.

Mimino, Tohru; Kinoshita, Kazuhisa; Shinoda, Takayuki; and Minegishi, Isao, to Nippon Kokan Kabushiki Kaisha. Austenitic steel of the Cr-Ni-Mn group. 3,795,509, 3-5-74, Cl. 75-128.00a.

Mimino, Tohru; Kinoshita, Kazuhisa; and Hattori, Keisuke, to Nippon Kokan Kabushiki Kaisha. High temperature alloy steel. 3,847,600, 11-12-74, Cl. 75-126.00c.

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Mims, Bruce L., to Branson Instruments, Incorporated. Vibratory welding apparatus. 3,848,792, 11-19-74, Cl. 228-1.000.

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Misato, Tomomasa; Huang, Keng Tang; Homma, Yasuo; Yoshida, Ryonosuke; Saito, Tadaomi; and Shimizu, Akira, to Rikagaku Kenkyusho and Ajinomoto Co., Ltd. Method of combatting bacteria or fungi on plants using amino acid higher alkyl esters. 3,821,403, 6-28-7, Cl. 424-311.000.

Misawa, Haruo: *See—*
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Misawa Homes Co. Ltd.: *See—*
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Miscevic, Daniel V., 1/2 to Gopman, Martin D. Holder for shank button. 3,783,808, 1-8-74, Cl. 112-114.000.

Misch, Wolfgang: *See—*
Nonnenmann, Wolfgang; Wurst, Bert; Misch, Wolfgang; and Schonart, Edgar, 3,844,114.

Misch, Wolfgang, to Bosch, Robert, Gm.b.H. Regulating arrangement for solenoid valves and the like. 3,786,314, 1-15-74, Cl. 317-154.000.

Mischenko, Alexandr Petrovich: *See—*
Gryaznov, Vladimir Mikhailovich; Smirnov, Viktor Sergeevich; Mischenko, Alexandr Petrovich, Drekhova, Natalia Vsevolodovna; Krivdin, Boris Petrovich; Polyakova, Viktoria Petrovna; and Savitsky, Evgeny Mikhailovich, 3,799,889.
Gryaznov, Vladimir Mikhailovich, Smirnov, Viktor Sergeevich; Mischenko, Alexandr Petrovich; and Aladyshev, Sergei Ivanovich, 3,849,076.

Mischenko, Nicholas, to Bell & Howell Company. Reel drive. 3,782,658, 1-1-74, Cl. 242-192.000.

Mischenko, Nicholas, to Bell & Howell Company. Dual reel drive. 3,787,003, 1-22-74, Cl. 242-192.000.

Mischevich, Viktor Ilich: *See—*
Roschupkin, Vladimir Ivanovich; Lovchev, Stanislav Vasilievich, Zalkin, Semen Ivovich; Mischevich, Viktor Ilich, Skrypnik, Stepan Grigorievich; and Fershter, Abram Vulfovich, 3,838,941

Mischiatti, Sensino Walter. Control and synchronisation of clocks. 3,852,953, 12-10-74, Cl. 58-24.00r.

Mischke, Arthur, to Daimler-Benz Aktiengesellschaft. Thermostatically controlled valve especially for engines of motor vehicles. 3,817,450, 6-18-74, Cl. 236-34.500.

Mischke, Fritz: *See—*
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Mischke, Hans-Jurgen: *See—*
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Mischke, Robert, 1/2 to Bellisle, Richard. Sun canopy convertible to a swimming pool cover. 3,854,149, 12-17-74, Cl. 4-172.110

Mischon, Lester, to Singer Company, The. Delayed-action auxiliary stitch cams. 3,785,174, 1-15-74, Cl. 66-57.000

Miscovich, John A.: *See—*
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Miscovich, John A.; and Gilbert, John J., to Marcona Corporation. Method and apparatus for excavating settled body of solids. 3,799,614, 3-26-74, Cl. 299-17.000.

Miscovich, John A., to Marcona Corporation. Method and apparatus for washing and sizing materials. 3,804,247, 4-16-74, Cl. 209-273.000.

Miscovich, John A., to Marcona Company. Eductor jet pump and method. 3,816,027, 6-11-74, Cl. 417-184.000.

Misdom, Theodore H., Jr.; and Boyd, James W., to Packaging Corporation of America. Carton construction. 3,813,027, 5-28-74, Cl. 229-45.000.

Misencik, John J.: *See—*
Engel, Joseph C.; Elms, Robert T.; and Misencik, John J., 3,852,642.

Misencik, John J., to Westinghouse Electric Corporation. Ground fault circuit breaker with cold temperature bimetal construction. 3,858,130, 12-31-74, Cl. 335-18.000.

Misener, Donald C.: *See—*
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Misenheimer, Ernest L., III. Safety fastening device. 3,831,987, 8-27-74, Cl. 292-246.000.

Misenheimer, Reid, to Textron, Inc. Dual axis roll and conveyor system using same. 3,785,468, 1-15-74, Cl. 193-35.0md.

Misenko, Samuel S. Grass guide for rotary lawn mowers. 3,839,851, 10-8-74, Cl. 56-255.000.

Misenti, Angelo J.; and Notari, Gennaro V., to Combustion Engineering, Inc. Automatic control rod latching device. 3,788,943, 1-29-74, Cl. 176-35.000.

Miserlis, John G.; and Petrou, Arthur, to Silresim Chemical Corporation. Method for recovery of trichlorethylene for oil waste by plural stage distillation. 3,803,005, 4-9-74, Cl. 203-84.000.

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Misheon, Lester; and Reagan, Donald W., to Singer Company, The. Wheel-feeding cam for circular knitting machines. 3,793,853, 2-26-74, Cl. 66-50.00a.

Misheon, Lester; and Agulnek, Harry, to Singer Company, The. Striping box actuating mechanism for circular knitting machines. 3,798,930, 3-26-74, Cl. 66-138.000.

Misheon, Lester; and Reagan, Donald W., to Singer Company, The. Apparatus for positioning jacks in slotted pattern wheel rings according to a predetermined pattern. 3,828,581, 8-13-74, Cl. 66-1.00r.

Misheon, Lester; and Reagan, Donald W., to Singer Company, The. Cam section blocks for circular knitting machines. 3,848,432, 11-19-74, Cl. 66-54.000.

Mishima, Fumiyuki: *See—*
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Mishima Kosan Co. Ltd.: *See—*
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Mishimura, Shojiro; Ishizaki, Masao, Seo, Yoshiro; and Akima, Shinobu, to Kobe Steel, Ltd. Method for reducing noise of a diesel pile hammer. 3,789,930, 2-5-74, Cl. 173-1.000.

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Mishiro, Shoji, to Taga Electric Co., Ltd. Supersonic transdueer. 3,843,897, 10-22-74, Cl. 310-8.100.

Mishkin, Abraham Rudolph; and Anderson, James Leroy, to Societe d'Assitanee Technique pour produits Nestle S.A. Freeze-drying process. 3,820,250, 6-28-74, Cl. 34-5.000.

Mishkin, Alexandr Ilich: *See—*
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Mishra, Anil K., to Westinghouse Electric Corporation. Dynamoelectric machine ventilating system. 3,846,651, 11-5-74, Cl. 310-61.000.

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Misirua, Thaddeus Dominick; and Vostovich, Joseph Edward, to General Electric Company. Insulated conductors with a strippable layer. 3,793,476, 2-19-74, Cl. 174-102.0sc

Misjura, Rostislav Spiridonovich: *See—*
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Miskel, John J.; Kindt, Warren W., and Connor, Edward C., to Scherer, R. P., Corporation, mesne. Soft gelatin capsule containing high water content fill. 3,851,051, 11-26-74, Cl. 424-37.000.

Miskelly, Robert A. Luggage carrier. 3,841,650, 10-15-74, Cl. 280-37.000.

Miskin, Richard B., to Miskin Scraper Works, Inc. Bale loader. 3,809,256, 5-7-74, Cl. 214-6.00b

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Missenda, Andrew Michael: *See*—
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Misson, George W., to PPG Industries, Inc. Method of tempering glass. 3,847,580, 11-12-74, Cl. 65-25.00a.

Mistarz, Richard, to Sealy, Incorporated. Mattress topper pad and border stabilizer. 3,822,426, 7-9-74, Cl. 5-354.000.

Mistarz, Robert J., to Koehring Company. Container filling and capping apparatus. 3,786,614, 1-22-74, Cl. 53-167.000.

Mistarz, Robert J., to Koehring Company. Denester synchronizer apparatus and method. 3,791,894, 2-12-74, Cl. 156-60.000.

Mistarz, Robert J.; and Mojonnier, Albert B., to Koehring Company. Automatic plastic bottling system and method. 3,800,400, 4-2-74, Cl. 29-426.000.

Mistarz, Robert J., to Koehring Company. Enclosure leak tester and method. 3,847,014, 11-12-74, Cl. 73-49.300.

Mistopoulos, Chris, Jr., to Ford Motor Company. Window regulator mechanism. 3,788,005, 1-29-74, Cl. 49-103.000.

Mistopoulos, Chris, Jr., to Ford Motor Company. Power operated window regulator mechanism. 3,816,961, 6-18-74, Cl. 49-103.000.

Mistretta, Charles A.; and Kelez, Frederick, to Wisconsin Alumni Research Foundation. Compensation for patient thickness variations in differential X-ray transmission imaging. 3,854,049, 12-10-74, Cl. 250-402.000.

Misumi, Akira; and Kasai, Toshiaki, to Hitachi, Ltd. Post-deflection acceleration type color cathode-ray. 3,814,966, 6-4-74, Cl. 313-408.000.

Misumi, Teruyuki; Shimodoi, Yutaka; and Ochi, Kazushi, to Asahi Kasei Kogyo Kabushiki Kaisha. Polymeric complex composite. 3,833,457, 9-3-74, Cl. 161-170.000.

Mita, Akio; and Ishida, Toshio, to Industrial Science & Technology, Agency of. Method for manufacturing sulfite pulp cooking liquor from sulfite pulp spent liquor. 3,822,180, 7-2-74, Cl. 162-36.000.

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Mita Industrial Company, Ltd.: *See*—
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Mita, Masazo; Toyomura, Akihiro; Ogawa, Yutaka; and Nagatomo, Masatsugu, to Kabushiki Kaisha Komatsu Seisakusho. Hydraulic steering brake for tractor. 3,838,624, 10-1-74, Cl. 91-1.000.

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Mitake, Susumu: *See*—
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Mitani, Seishu: *See*—
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Mitarai, Hajime; Nelson, Carroll E.; and Youmans, Albert P., to Signetics Corporation. Semiconductor structure and method for lowering the collector resistance. 3,815,222, 6-11-74, Cl. 29-578.000.

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Mitchell, Bobby Lee. Automatic vehicle light control system for daylight driving. 3,832,597, 8-27-74, Cl. 316-82.000.

Mitchell, Bruce. Rapid transit system. 3,848,535, 11-19-74, Cl. 104-88.000.

Mitchell, Byron V. Process for inlaying poured metal in wood. 3,842,488, 10-22-74, Cl. 29-527.600.

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Mitchell, David Lawrence: *See*—
Creighton, Stephen Mark; Mitchell, David Lawrence; and Kay, William Chee, 3,788,003.

Mitchell, David Lawrence; Greebe, Frans; and Redford, Arthur, to St. Regis Paper Company. Process for producing unsaponifiables-free tall oil products. 3,803,114, 4-9-74, Cl. 260-97.700.

Mitchell, David S.; Bridge, Alan G.; and Jaffe, Joseph, to Chevron Research Company. Catalyst rejuvenation with oxalic acid. 3,791,989, 2-12-74, Cl. 252-413.000.

Mitchell, Dean L.; Bishop, Stephen G.; and Taylor, P. Craig, to United States of America, Navy. Thermally-activated optical absorber. 3,790,250, 2-5-74, Cl. 350-160.00r.

Mitchell, Derek, to Proctor & Schwartz, Inc., mesne. Web winding machine. 3,848,823, 11-19-74, Cl. 242-56.00a.

Mitchell, Donald R. Scarifier-pulverizer. 3,835,932, 9-17-74, Cl. 172-197.000.

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Mitchell, Everett R.: *See*—
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Mitchell, Glenn A.; and Sanders, Bobby W., to United States of America, National Aeronautics and Space Administration. Airflow control system for supersonic inlets. 3,799,475, 3-26-74, Cl. 244-53.00b.

Mitchell, Graham R.: *See*—
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Mitchell, Graham R., to General Electric Company. Vacuum-type circuit breaker with improved ability to interrupt capacitance currents. 3,813,506, 5-28-74, Cl. 200-144.00b.

Mitchell, Graham R., to General Electric Company. Vacuum-type circuit interrupter with interleaving spiral electrodes. 3,858,076, 12-31-74, Cl. 313-217.000.

Mitchell, Guy E., to McMichael Construction Co. Vehicle engine multi-stage limiting speed governor. 3,805,669, 4-23-74, Cl. 91-178.000.

Mitchell, Harry Ian; and Tomlinson, Kenneth, to Colgate-Palmolive Company. Method and compositions for cleaning ovens and the like. 3,827,983, 8-6-74, Cl. 252-89.000.

Mitchell, Harry R.: *See*—
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Mitchell, Harry R.; Rice, Hal H.; and Abel, James R., to General Motors Corporation. Exhaust reactor manifold. 3,798,903, 3-26-74, Cl. 60-282.000.

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Mitchell, Jack H., Jr. Process for making peanut flakes. 3,800,056, 3-26-74, Cl. 426-457.000.

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Mitchell, James Gault: *See*—
Mallard, John Rowland; Mitchell, James Gault; and Wilks, Robin John, 3,793,519.

Mitchell, James P. Foot and hand mounted swimming aids. 3,789,448, 2-5-74, Cl. 9-307.000.

Mitchell, John E., Company: *See*—
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Mitchell, John Pat. Repelling magnetic cutter teeth for dentures. 3,798,770, 3-26-74, Cl. 32-2.000.

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Mitchell, Lawrence C., to Ethyl Corporation. Ester synthesis for preparation of specific glycerides. 3,799,958, 3-26-74, Cl. 260-410.700.

Mitchell, Lawrence C., to Ethyl Corporation. Smoke retardant compositions. 3,821,151, 6-28-74, Cl. 260-31.80r.

Mitchell, Lawrence C., to Ethyl Corporation. Smoke retardant compositions. 3,845,001, 10-29-74, Cl. 260-31.80r.

Mitchell, Lawrence C., to Ethyl Corporation. Smoke retardant vinyl chloride polymer compositions. 3,846,372, 11-5-74, Cl. 260-45.75r.

Mitchell, Maurice M., Jr.: *See*—
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Mitchell, Maurice M., Jr., to Atlantic Richfield Company. Catalyst for conversion of non-cyclic C_3-C_5 alkanes to aromatic hydrocarbons. 3,855,154, 12-17-74, Cl. 252-456.000.

Mitchell, Nicholas C.; and Perri, Joseph. Deoxidizing aluminum bar. 3,807,967, 4-30-74, Cl. 29-187.000.

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Mitchell, Richard E., to Sun Research and Development Co. System for reacting alkylaromatics with alkadienes. 3,841,844, 10-15-74, Cl. 23-288.00e.

Mitchell, Richard Frank, to U.S. Philips Corporation. Acoustic surface wave devices. 3,801,935, 4-2-74, Cl. 333-72.000.

Mitchell, Richard R.; and Van Der Bor, Robert, to Akzona Incorporated. Salt crystal conglomerates. 3,832,446, 8-27-74, Cl. 423-267.000.

Mitchell, Robert D.: *See*—
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Mitchell, Robert J. Thin oxide force sensitive switches. 3,790,870, 2-5-74, Cl. 317-238.000.

Mitchell, Robert J. Pressure responsive resistive material. 3,806,471, 4-23-74, Cl. 252-518.000.

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Mitsuoka, Shigeru; Kaneko, Tadasaburoh; and Igarashi, Tetsuo, to Lion Fat & Oil Co., Ltd. Adhesive tape sticking machine. 3,834,970, 9-10-74, Cl. 156-489.000.

Mitsuoka, Toyokazu, to Industrial Science & Technology, Agency of. Automatically controlled hydrostatic bearing. 3,785,707, 1-15-74, Cl. 308-9.000.

Mitsuoki Iron Works Co., Ltd.: *See—*
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Mittendorf, Theodor H.; and Bennett, Dale L., said Bennett assor. to said Mittendorf, Theodor H. Vehicle insect protection apparatus. 3,831,696, 8-27-74, Cl. 180-68.00p.

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Mitts, Richard K.; and Tyler, Hugh Jean, to Robertshaw Controls Company. Winding apparatus. 3,856,057, 12-24-74, Cl. 140-102.000.

Miura, Isago. Apparatus of making wrapping material for annular goods. 3,799,715, 3-26-74, Cl. 425-66.000.

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Miura, Yoshiharu. Method for propagating yeasts and molds by mixed culturing and method of permentation thereof. 3,793,153, 2-19-74, Cl. 195-111.000.

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Miwa, Osamu; Inui, Norio; and Uchida, Keiichiro. Memory arrangement control system. 3,806,881, 4-23-74, Cl. 340-172.500.

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Mix, Wolfram J., to Koppers Company, Inc. Method and apparatus for lining a grinding mill. 3,802,634, 4-9-74, Cl. 241-183.000.

Mixon, James Lenhart, Jr.; and Beinhaur, Ernest Lloyd, to AMP Incorporated. Resilient cover having a removable external support member. 3,824,331, 7-16-74, Cl. 174-135.000.

Mixsell, Joseph C., Jr.: *See—*
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Miya, Masami, to Nepon Kabushiki Kaisha (Nepon Company, Ltd.). Nestable boat on a knock down plan. 3,787,911, 1-29-74, Cl. 9-2.00s.

Miya, Masami; Yarita, Hidetoshi; and Atsuzaka, Hirotaka, to Nepon Kabushiki Kaisha. Low frequency signal transmission and indicating system. 3,818,345, 6-18-74, Cl. 325-53.000.
Miya, Masami; Nemoto, Shigeru; and Otsuka, Masanori, to Nepon Kabushiki Kaisha (Nepon Company Ltd.). Method of and an apparatus for saving water used in toilets. 3,843,976, 10-29-74, Cl. 4-1.000.
Miyabayashi, Iwao: *See*—
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Miyabe, Yoshio: *See*—
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Miyachi, Takayoshi: *See*—
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Miyagawa, Frank H.; Kipnis, Daniel D.; and Mills, Thomas C., to Tremont Research Co., Inc. String tensioning mechanism. 3,823,609, 7-16-74, Cl. 73-145.000.
Miyagawa, Fumihiro, to Ricoh Co. Ltd. Data superimposing device for use with camera. 3,831,183, 8-20-74, Cl. 354-209.000.
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Miyagawa, Kazuo; Sakakibara, Morihiko; Kadowaki, Kazuhiko; Ishikawa, Yasushi; and Egashira, Takeji, to Nippon Steel Corporation. Method of thickness measurement for long sections and apparatus therefor. 3,808,437, 4-30-74, Cl. 250-359.000.
Miyagawa, Kiyoshi: *See*—
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Miyagi, Kiyoshi, to Matsushita Electric Industrial Co., Ltd. Projection screen. 3,791,712, 2-12-74, Cl. 350-128.000.
Miyagi, Tatsuo; and Sakata, Shigeru, to Sanyo Electric Co., Ltd. and Tokyo Sanyo Electric Co., Ltd. Control device for an absorption system hot and cold water supply apparatus. 3,817,174, 9-24-74, Cl. 62-141.000.
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Brock, James Donald; and Mize, Erbie Gail, 3,834,595.
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Mizoguchi, Sutemaru. Boring head. 3,782,849, 1-1-74, Cl. 408-197.000.
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Mod, Robert R.; Magne, Frank C.; and Skau, Evald L. Vinyl chloride plastic compositions and certain plasticizers therefore. 3,787,457, 1-22-74, Cl. 260-404.000.

Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., to United States of America, Agriculture. Hexachlorocyclopentadines adducts of unsaturated amides. 3,794,640, 2-26-74, Cl. 260-247.70h.

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Mod, Robert R.; Magne, Frank C.; and Skeu, Evald L., to United States of America, Agriculture. N,N-di-N-butyl-2-(oleoyloxy) propionamide. 3,808,242, 4-30-74, Cl. 260-404.000.

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Model, Ernst; and Dindler, Jakob, to Ciba-Geigy Corporation. Halogenated diphenylether containing compositions and control of pests therewith. 3,784,698, 1-8-74, Cl. 424-311.000.

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Modert, Eugene F., to United States of America, Navy. Drag reduction towing system. 3,839,985, 10-8-74, Cl. 114-235.00b.

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Moe, Lowell A., to Ramex Company. Methods and apparatus using microwaves for material characteristics measurements. 3,813,918, 6-4-74, Cl. 73-15.00b.

Moe, Richard G., to United States of America, Navy. Configured blast fragmentation warhead. 3,853,059, 12-10-74, Cl. 102-67.000.

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Moeglich, Karl, to Hughes, D. A., Affiliates, Inc. Anodizing of metals. 3,846,261, 11-5-74, Cl. 204-56.00r.

Moehlenpah, Walter G. Method of and apparatus for fabricating wood structures. 3,824,919, 7-23-74, Cl. 100-35.000.

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Moffett, Robert B., to Upjohn Company, The. 7-Phenyl-1H[1,3]-oxazino[3,2-a][1,4]-benzodiazepine-1,3(2H)-diones. 3,822,259, 7-2-74, Cl. 260-244.00r.
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Mogi, Takao, to Sony Corporation. Unused channel skip system. 3,839,681, 10-1-74, Cl. 328-152.000.
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Moldovan, Michael Terrance, Jr., to AVM Corporation. Voting machine. 3,790,072, 2-5-74, Cl. 235-54.00r.

Moldow, Preben. Devices for establishing sealing connection between the ends of tubular members of sheet metal. 3,791,681, 2-12-74, Cl. 285-233.000.

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Molina, Orlando G., to Rockwell International Corporation. Dye penetrant composition and method of application. 3,786,255, 1-15-74, Cl. 250-302.000.

Molina, Orlando G., to North American Rockwell Corporation. Dye penetrant composition and method utilizing same. 3,789,221, 1-29-74, Cl. 250-302.000.

Molina, Orlando G., to Air Products and Chemicals, Inc., mesne. Developer composition for penetrant inspection. 3,803,051, 4-9-74, Cl. 252-408.000.

Molina, Orlando G., to Rockwell International Corporation. Composition for ultrasonic inspection of objects and method for employing same. 3,826,127, 7-30-74, Cl. 73-67.50r.

Molina, Orlando G., to Rockwell International Corporation. Reverse magnetic inspection method. 3,826,917, 7-30-74, Cl. 250-302.000.

Molina, Orlando G., to Air Products and Chemicals, Inc. Dye penetrant method and composition. 3,838,160, 9-24-74, Cl. 252-301.20p.

Molina, Orlando G., to Rockwell International Corporation. Method of magnetic particle testing using strippable coatings. 3,855,526, 12-17-74, Cl. 324-38.000.

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Moline, Roy Virgil, to Jeno's, Inc. Pizza processing machine. 3,788,030, 1-29-74, Cl. 53-123.000.

Molinex, Louis W. Drain pipe flushing device. 3,802,449, 4-9-74, Cl. 134-167.00c.

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Molins, Desmond Walter, to Molins Limited. Manufacture of cigarettes. 3,815,612, 6-11-74, Cl. 131-94.000.

Molins, Desmond Walter; and Maurice, Francis Auguste, to Molins Limited. Cigarette making machines. 3,854,486, 12-17-74, Cl. 131-61.00a.

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Molitorisz, Joseph, to Rotopak Systems, Inc. Apparatus for compacting fibrous material. 3,791,287, 2-12-74, Cl. 100-89.000.

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Moller, Bynum W. Golf club swing training device. 3,785,657, 1-15-74, Cl. 273-186.00a.

Moller, Bynum W. Flattening metal cans. 3,832,941, 9-3-74, Cl. 100-136.000.

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Moller, Hans Gunter. Toilet assembly. 3,835,477, 9-17-74, Cl. 4-9.000.

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Moller, Paul S., to Discojet Corporation. Reed muffler. 3,854,549, 12-17-74, Cl. 181-58.000.

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Molyneux, Lindsay. Apparatus and method for detecting the evolution of gas from an electric cell and for controlling the charging of said cell in response to said detection. 3,798,528, 3-19-74, Cl. 320-46.000.
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Montolivo, Sergio; and Squartini, Giorgio, to F.A.T.M.E. S.p.A. Electronic metal coin analyser. 3,796,295, 3-12-74, Cl. 194-100.00a.

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Mayer, Kurt, 3,805,351.

Montone, Liber J., to Western Electric Company, Incorporated. Thickness measuring. 3,834,819, 9-10-74, Cl. 356-156.000.

Montone, Liber Joseph: *See—*
Hurlbrink, Robert William, III; and Montone, Liber Joseph, 3,814,845.

Montory, Daniel A.; and Montory, Katherine L. Yarn measuring cutter. 3,857,143, 12-31-74, Cl. 28-2.000.

Montory, Katherine L.: *See—*
Montory, Daniel A.; and Montory, Katherine L., 3,857,143.

Montoya, Jonas. Tassel and pompom making apparatus. 3,854,179, 12-17-74, Cl. 28-2.000.

Montoya, Margarito F.; and Carrilo, Peter F. Coin operated security lock rack for bicycles. 3,815,721, 6-11-74, Cl. 194-40.000.

Montres Rolex S.A.: *See—*
Challandes, Claude, 3,817,110.
Kuffer, Philippe, 3,782,101.

Montuelle, Jean; Chaudron, Georges; and Piaard-Legry, Gerard, to Agence Nationale de Valorisation de la Recherche (Anvar). Metallic materials based on martensitic steel. 3,849,079, 11-19-74, Cl. 29-183.500.

Montz, Horst: *See—*
Zeimet, Heinrich; Rentel, Alfred; and Montz, Horst, 3,782,427.

Montz, James R., to AMF Incorporated. Apparatus for detecting a ground connection on load side of neutral conductor. 3,800,189, 3-26-74, Cl. 317-18.00d.

Montz, Julius, Firma, GmbH: *See—*
Kloss, Hans Joachim, 3,794,305.

Monzini, Renato. Tire reinforcing structure. 3,830,272, 8-20-74, Cl. 152-201.000.

Moodie, Donald E.: *See—*
Augustin, Rolf M., Jr.; and Moodie, Donald E., 3,852,780.

Moodie, Donald E., to Polaroid Corporation. Device for varying light transmission employing roller-cable machanism. 3,810,689, 5-14-74, Cl. 350-159.000.

Moody Aquamatic Systems, Inc.: *See—*

Troglione, Vincent R., 3,784,008.

Moody, Barron M.: *See—*
Martin, Patrick S.; and Moody, Barron M., 3,802,212.

Moody, David L.; and Loftis, James B., to Joy Manufacturing Company. Drilling apparatus. 3,835,938, 9-17-74, Cl. 175-52.000.

Moody, Gene S.: *See—*
Arp, Ewald A., 3,857,334.

Moody, Harold W., Jr.; and Himilton, Clark B., to Dunham-Bush, Inc. Injection cooling of screw compressors. 3,795,117, 3-5-74, Cl. 62-197.000.

Moody, Harold W., Jr.; and Schaefer, Donald D., to Dunham-Bush, Inc. Hydrodynamic thrust bearing arrangement for rotary screw compressor. 3,811,805, 5-21-74, Cl. 418-88.000.

Moody, Larry Dean: *See—*
Garrett, Carl Eugene; Kinsley, William Henry, Jr.; and Moody, Larry Dean, 3,789,099.

Moody-Matthew, Limited: *See—*
Guerette, Marcel, 3,827,573.

Moody, Nahum. Hospital bed with removable bed pan. 3,833,945, 9-10-74, Cl. 5-90.000.

Moody, Robert E. Freely mounted gear. 3,782,215, 1-1-74, Cl. 74-410.000.

Moody, Roy Alleyne: *See—*
Caveney, Jack Edward; and Moody, Roy Alleyne, 3,810,288.

Moody, Sheldon D.: *See—*
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Arp, Ewald A., 3,797,697.

Moody, Thomas B.: *See—*
McIlwain, Erwin D.; and Moody, Thomas B., 3,850,091.

Moody, Winship B., to Rice Barton Corporation. Multi-layered fibrous web forming system employing a suction roll positioned adjacent the web side of the forming wire and around which the forming wire is wrapped. 3,844,881, 10-29-74, Cl. 162-297.000.

Moog Inc.: *See—*
Clark, Daniel C.; Dark, Patrick M.; and McGoldrick, Thomas C., 3,793,636.
Clark, Daniel C., 3,857,541.
Hague, Robert Z.; Hantman, Edwin F.; Laucks, Howard H.; Loos, George J.; Marsciano, Matthew F.; and Mastropole, Alfred J., 3,844,028.

Moogk, Friedrich, to Emil und Adolf Becker KG. V-belt for a stepless variable asymmetric V-belt driving gear. 3,783,705, 1-8-74, Cl. 74-234.000.

Moogk, Friedrich, to E. & A. Becker KG, Maschinen- und Getriebebau. V-belt driving device. 3,811,331, 5-21-74, Cl. 74-230.17a.

Mooi, John: *See—*
Erickson, Henry; Hindin, Saul G.; Keith, Carl D.; and Mooi, John, 3,846,343.

Mookherjee, Braja D., to International Flavors & Fragrances Inc. Perfume compositions containing hexahydro-1,4,9,9-tetramethyl-4,7-methamoazulenones. 3,814,704, 6-4-74, Cl. 252-522.000.

Moon, Anthony G.; and Vaughn, Roger L., to Kennecott Copper Corporation. Lime control method for highly alkaline flotation pulps. 3,844,303, 10-29-74, Cl. 137-5.000.

Moon, Calvin W., to United States of America, Air Force. Nuclear engine reactor rocket cores. 3,793,832, 2-26-74, Cl. 60-203.000.

Moon, Clive D.; and Neumann, Robert F. K., to Phillips Petroleum Company. Hot-melt adhesives of polyamides containing oxime compounds or esters thereof. 3,799,908, 3-26-74, Cl. 260-45.90r.

Moon, Francis A.; and Halliday, Robert G., to Unimasco, Inc. Painting of interrupted lines on road surfaces. 3,825,185, 7-23-74, Cl. 239-150.000.

Moon, Lawrence Michael; and Timms, Herbert W., to Timms, Herbert W. Remote vending control apparatus. 3,852,577, 12-3-74, Cl. 235-92.0ff.

Moon, Malcolm W., to Upjohn Company, The. Certain dithioketals of glyoxyloyl halide 1-pheny-hydrazones as anti-arthropodal agents. 3,826,844, 7-30-74, Cl. 424-327.000.

Moon, Malcolm W., to Upjohn Company, The. Method for controlling weeds with 1'-formyl-1'-halobenzeneazomethanes and formulations therefor. 3,830,642, 8-20-74, Cl. 71-107.000.

Moon, Malcolm W.; and Rizzo, Victor L., to Upjohn Company, The. Herbicidal methods and compositions using 1'-variable-1; 1'-dihalo-halobenzeneazomethanes. 3,834,892, 9-10-74, Cl. 71-121.000.

Moon, Paul G. Golf ball retriever. 3,826,439, 7-30-74, Cl. 242-54.00r.

Moon, Robert W., to Lakeside Manufacturing Inc. Self-propelled wheelchair. 3,794,132, 2-26-74, Cl. 180-11.000.

Moon, Ronald L.; Stein, William W.; and Warnock, Donald, to Varian Associates. Method and apparatus for thermally decomposing a halogenated hydrocarbon to provide a gaseous carrier medium for vapor epitaxial growth. 3,856,585, 12-24-74, Cl. 148-175.000.

Moon, William T., Jr., to Robertshaw Controls Company. Relay construction and parts therefor or the like. 3,857,411, 12-31-74, Cl. 137-627.500.

Moonan, Edward R. Ice cream scoop. 3,822,976, 7-9-74, Cl. 425-286.000.

Mooney, David N.: *See—*
Eschbaugh, John T.; and Mooney, David N., 3,847,421.

Mooney, Donald B.: *See—*
Cavaliere, Joseph R.; and Mooney, Donald B., 3,795,828.

Mooney, George W.; and Soderberg, Raymond A. Data card holder. 3,816,948, 6-18-74, Cl. 40-102.000.

Mooney, John J.: *See—*
Keith, Carl D.; and Mooney, John J., 3,791,143.

Mooney, John J.; Marshman, Frank E.; and Donlon, Richard H., to Transportation Technology, Inc. Transportation system and vehicle therefor. 3,793,963, 2-26-74, Cl. 104-130.000.

Mooney, Joseph R. Apparatus for detecting and indicating leaks in a fluid system. 3,817,087, 6-18-74, Cl. 73-40.50r.

Mooney, Leonard J.: *See—*
Krawetz, Barton; Long, Jack B.; and Mooney, Leonard J., 3,789,321.

Mooney, Robert A.; and Bell, John M., to Ford Motor Company. Process for establishing ignition timing of a reciprocating internal combustion engine. 3,857,086, 12-24-74, Cl. 324-16.00r.

Mooney, Thomas: *See—*
Eidelberg, Jonah; Mooney, Thomas; and Brett, John J., 3,828,117.

Mooney, Thomas; and Bauer, Richard A., to Electrical Fittings Corporation. Raintight connector for electrical conduit. 3,794,362, 2-26-74, Cl. 285-340.000.

Mooney, William D., to Cardinal Engineering Corporation. Molding apparatus. 3,806,292, 4-23-74, Cl. 425-186.000.

Moor, Alan B.: *See—*
Keane, Patrick J.; Moor, Alan B.; and Routley, Michael J., 3,823,377.

Moor, Wilhelm, to Industrie AG. Allegro. Device for unwinding thread windings. 3,820,736, 6-28-74, Cl. 242-110.200.

Moore, Alan, to Rolls-Royce (1971) Limited. Gas turbine engine blades. 3,782,852, 1-1-74, Cl. 416-97.000.

Moore, Alan; and Rolls-Royce (1971) Limited. Fluid flow blades. 3,801,218, 4-2-74, Cl. 416-97.000.

Moore, Alan, to Rolls-Royce (1971) Limited. Gas turbine engine blades. 3,806,274, 4-23-74, Cl. 416-97.000.

Moore, Albert C.: *See—*
Cobb, Richard O.; and Moore, Albert C., 3,805,237.

Moore, Albert J.; Haggart, James A., Jr.; and Foster, Michael R., to General Motors Corporation. Low profile catalytic converter. 3,852,041, 12-3-74, Cl. 23-288.00r.

Moore, Albert Lloyd, to Du Pont de Nemours, E. I., and Company. Method of making vinylidene fluoride copolymers. 3,839,305, 10-1-74, Cl. 260-80.770.

Moore, Alfred George: *See—*
Sims-Williams, Christopher Temple, 3,795,064.

Moore, Alvin Edward: *See—*
Moore, Robert Fred; and Moore, Alvin Edward, 3,802,206.

Moore, Alvin Edward. Resilient, tubular bumpers. 3,782,767, 1-1-74, Cl. 293-71.00r.

Moore, Alvin Edward. Tubular, shock-absorbing bumpers. 3,782,768, 1-1-74, Cl. 293-71.00r.

Moore, Alvin Edward. Light-weight, inflated-structure boat. 3,798,690, 3-26-74, Cl. 9-6.000.

Moore, Alvin Edward. Ballooned STOL aircraft. 3,801,044, 4-2-74, Cl. 244-5.000.

Moore, Alvin Edward. Light-weight, wreck-resistant, water-traversing vehicle. 3,802,367, 4-9-74, Cl. 114-65.00r.

Moore, Alvin Edward. Tubular buoy. 3,803,651, 4-16-74, Cl. 9-8.00r.

Moore, Alvin Edward. Puncture-resistant tire assembly. 3,831,653, 8-27-74, Cl. 152-195.000.

Moore, Alvin Edward. Light-weight, wreck-resistant vehicle. 3,853,349, 12-10-74, Cl. 296-28.00r.

Moore, Alvin Edward. Can-containing construction member. 3,857,215, 12-31-74, Cl. 52-259.000.

Moore, Arthur D., to Microsystems International Limited. Polarity guard. 3,819,951, 6-25-74, Cl. 307-202.000.

Moore, Arthur H.: *See—*
Samiran, David; and Moore, Arthur H., 3,844,138.
Samiran, David; and Moore, Arthur H., 3,854,833.

Moore, Arthur H., to Radiant Energy Systems, Inc., mesne. Semiconductor wafer fracturing technique employing a sure controlled roller. 3,790,051, 2-5-74, Cl. 225-1.000.

Moore, Arthur Ronald. Towel cutter apparatus. 3,797,348, 3-19-74, Cl. 83-209.000.

Moore, Arthur Ronald. Metering device for indicating the length of flat flexible material. 3,829,976, 8-20-74, Cl. 33-134.00r.

Moore, Arthur Ronald. Device for rolling sections of carpet. 3,850,381, 11-26-74, Cl. 242-66.000.

Moore, Arvel H. Support bracket. 3,854,684, 12-17-74, Cl. 248-68.00r.

Moore Associates: *See—*
Moore, Joseph L., 3,807,154.

Moore, Bill: *See—*
Zagala, Pasquale Rudolph; Moore, Bill; and Taylor, Vincent J., 3,851,561.

Moore, Brian B.: *See—*
Broadhurst, Dennis; and Moore, Brian B., 3,821,713.

Moore, Brian B.; Padegs, Andris; and Smith, Ronald M., to International Business Machines Corporation. Signal processor instruction for nonsblocking communication between data processing units. 3,787,891, 1-22-74, Cl. 340-172.500.

Moore, Brian B.; and Thorn, Caryl A., to International Business Machines Corporation. Communication mechanism for data transfer and control between data processing systems and subsystems. 3,801,962, 4-2-74, Cl. 340-172.500.

Moore, Brian B., to International Business Machines Corporation. Polling mechanism for transferring control from one data processing system or subsystem to another. 3,806,885, 4-23-74, Cl. 340-172.500.

Moore, Brian Joseph; and Watkinson, Leonard James, to Howson, W. H., Limited. Developer solution for developing presensitised photolithographic printing plates. 3,791,828, 2-12-74, Cl. 96-33.000.

Moore Business Forms, Inc.: *See—*
Bayne, Justin A.; and Knize, James J., 3,856,196.
D'Luhy, Emil A.; and Wakeman, William R., 3,823,867.
Gill, Edward William; Vincent, Derek Arthur; and Peace, John, 3,857,557.
Harrod, Jimmie A., 3,815,498.
Huebschmann, John W.; and Peperone, Joseph D., 3,852,231.
Maalouf, George E., 3,793,075.
Van Malderghem, Edmund G., 3,854,654.
Wakeman, William R., 3,841,549.

Moore, Calvin K. Root cutter. 3,845,796, 11-5-74, Cl. 144-1.00r.

Moore, Carl, to Dow Chemical Company, The. Inhibiting discoloration of vinylidene chloride polymers. 3,817,895, 6-18-74, Cl. 260-29.6mn.

Moore, Carl Gordon: *See—*
Angerman, Albert Henry; and Moore, Carl Gordon, 3,856,929.

Moore, Carlisle M.; and Fisher, Robert E., to Up-Right, Inc. Pneumatic telescopic hoist having three or more steps of extension. 3,832,937, 9-3-74, Cl. 91-167.000.

Moore, Cecil L. Control assembly for jet boat. 3,788,265, 1-29-74, Cl. 115-12.00r.

Moore, Cecil L.; and Neyens, Timothy A., to McDonald, A. Y., Mfg. Co. Cap for storage vessels. 3,804,284, 4-16-74, Cl. 215-272.000.

Moore, Charles A. Hydraulic pulse, scale-blocked-pipe cleaner. 3,851,342, 12-3-74, Cl. 4-256.000.

Moore, Charles H. Panel positioning apparatus and method. 3,782,771, 1-1-74, Cl. 294-67.00r.

Moore, Charles H. Method of producing two pipe connections from a single forging. 3,831,422, 8-27-74, Cl. 72-340.000.

Moore, Claude A.: *See—*
Silk, Edmond J.; and Moore, Claude A., 3,828,518.

Moore, Clyde Maurice, to Moorex Industries, Inc. Prefabricated building components. 3,783,563, 1-8-74, Cl. 52-11.000.

Moore, Coleman B., to Moore Products Co. Metering valve. 3,785,616, 1-15-74, Cl. 251-121.000.

Moore, Colin. Metal treatment. 3,819,428, 6-25-74, Cl. 148-125.000.

Moore, Colin; and Thornton, Michael Joseph, to Imperial Chemical Industries Limited. Separating adipontrile from mixtures. 3,819,491, 6-25-74, Cl. 203-29.000.

Moore, Daniel M., to United States of America, Navy. Retaining and release assembly. 3,825,980, 7-30-74, Cl. 24-230.0an.

Moore, Darrlle D.: *See—*
Wagner, Hubert; and Moore, Darrlle D., 3,801,278.

Moore, Darrlle DeForest; and Walsh, William Joseph, to Sybron Corporation. Laboratory mixer. 3,850,580, 11-26-74, Cl. 23-259.000.

Moore, David L.: *See—*
Price, Raymond G.; Stich, Frederick A.; and Moore, David L., 3,803,471.

Moore, Dennis G. Lamp assembly. 3,858,039, 12-31-74, Cl. 240-8.300.

Moore, Derek Stanley, to Vickers Limited. Optical devices. 3,825,343, 7-23-74, Cl. 356-156.000.

Moore, Donald B., to Locking Devices Corporation. Sealed connector. 3,840,257, 10-8-74, Cl. 285-343.300.

Moore, Donald C.; and Tittman, Jay, to Schlumberger Technology Corporation. Well-logging measuring apparatus and method. 3,858,037, 12-31-74, Cl. 235-193.000.

Moore, Donald D. Golf club having adjustable head means. 3,840,231, 10-8-74, Cl. 273-79.000.

Moore, Donald E.; Mills, Jack F.; and Schneider, John A., to Dow Chemical Company, The. Bromination with bromine chloride under pressure. 3,845,146, 10-29-74, Cl. 260-650.00r.

Moore, Donald Fergus: *See—*
Samuel, Duncan Roy; and Moore, Donald Fergus, 3,825,025.

Moore, Donald G.; and Leyers, William E., to Chemetron Corporation. Electromagnetic heating system which includes an automatic shielding mechanism and method for its operation. 3,854,021, 12-10-74, Cl. 219-10.550.

Moore, Donald G., to Chemetron Corporation. Electromagnetic oven system for automatically heating variable numbers and sizes of food items or the like. 3,854,022, 12-10-74, Cl. 219-10.550.

Moore, Douglas R.: *See—*
Kniepkamp, Albert E.; and Moore, Douglas R., 3,806,624.

Moore Dry Kiln Company of Canada Limited: *See—*
Burton, John A.; and Eaton, George H., 3,805,627.

Moore, Earl K., Jr. Broaching tool. 3,815,193, 6-11-74, Cl. 29-95.100.

Moore, Edward H., to Delaval Turbine, Inc. Flow indicator. 3,857,277, 12-31-74, Cl. 73-28.000.

Moore, Eugene R.; Smith, Linton E., III; and Pickelman, Dale M., to Dow Chemical Company, The. Low melt viscosity molding process for high heat distortion interpolymers. 3,801,549, 4-2-74, Cl. 260-78.0ua.

Moore, Fletcher L., to United States of America, Atomic Energy Commission. Extraction of mercury from alkaline brines. 3,785,803, 1-15-74, Cl. 75-121.000.

Moore, Francis C.; and Perkinson, Leon R., to Moore-Perk Corporation. Method of sterile packaging. 3,857,677, 12-31-74, Cl. 21-58.000.

Moore, Francis M. Attaching bracket with receptacle holder. 3,813,072, 5-28-74, Cl. 248-313.000.

Moore, Fred Lahira, to National Controls, Inc. Overhead track scale. 3,842,923, 10-22-74, Cl. 117-163.000.

Moore, Fred W.: *See—*
Barry, Henry F.; Hallada, Calvin J.; and Moore, Fred W., 3,842,009.

Moore, Gary R.: *See—*
Warren Fred E., Jr.; Fling, Kenneth F.; and Moore, Gary R., 3,826,437.

Moore, Geoffrey James, to Imperial Chemical Industries Limited. Manufacture of bipyridyls. 3,804,845, 4-16-74, Cl. 260-296.00d.

Moore, George A. Apparatus for pressure cooking food. 3,782,267, 1-1-74, Cl. 99-410.000.

Moore, George A. Apparatus for pressure cooking foods. 3,821,925, 7-2-74, Cl. 99-327.000.

Moore, George E.: *See—*
Harvey, Richard F.; and Moore, George E., 3,827,923.

Moore, George E., Jr., to Moore, Jewel B. Aircraft tow bar. 3,829,131, 8-13-74, Cl. 280-493.000.

Moore, George G. I.; and Trancik, Ronald J., to Riker Laboratories, Inc., mesne. Haloalkylsulonamido-substituted tolan and stilbene compounds. 3,840,527, 10-8-74, Cl. 260-240.0ca.

Moore, George G. I.; and Harrington, Joseph Kenneth, to Riker Laboratories, Inc. Substituted 2-phenoxy alkanesulfonanilides. 3,840,597, 10-8-74, Cl. 260-556.00f.

Moore, George G. I.; and Lappi, Larry R., to Riker Laboratories, Inc. Selective nitration process. 3,856,859, 12-24-74, Cl. 260-556.00a.

Moore, George L., to Airco, Inc. 2-Methoxy-3-h-perfluorobutane. 3,846,502, 11-5-74, Cl. 260-614.00f.

Moore, Gerald, 1/3 to Buell, Eugene F. Multi-power ratchet wrenches. 3,828,629, 8-13-74, Cl. 81-57.300.

Moore, Glenn E.; and Carl, Robert C., to Dover Corporation. Shut-off valve assembly. 3,782,401, 1-1-74, Cl. 137-68.000.

Moore, Glenn L. Electrical cord hatch. 3,811,004, 5-14-74, Cl. 174-67.000.

Moore, Glenn S.: *See—*
Harris, Sterling G.; Smith, Joseph D.; McCall, David D.; Moore, Glenn S.; Hidden, William P.; and Svendsen, Noel, 3,828,398.

Moore, Gordon E., to Intel Corporation. Method of a semiconductor device wherein film cracking is prevented by formation of a glass layer. 3,825,442, 7-23-74, Cl. 117-212.000.

Moore, Gordon G.: *See—*
Rothman, Edward S.; and Moore, Gordon G., 3,792,066.
Rothman, Edward S.; and Moore, Gordon G., 3,803,242.

Moore, Harold E. Guide for portable power saws. 3,830,130, 8-20-74, Cl. 83-745.000.

Moore, Harold Edward, to McCulloch Corporation. Chain saw safety method and apparatus. 3,793,727, 2-26-74, Cl. 30-383.000

Moore, Harold H., Jr.: *See—*
Moore, Howard H., Jr.; and McGowen, Harold E., Jr., 3,827,490.

Moore, Harold K. Vehicle outrigger pad structure. 3,831,774, 8-27-74, Cl. 212-145.000.

Moore, Howard H., Jr.; and McGowen, Harold E., Jr., to McGowen, Harold E., Jr. and Moore, Harold H., Jr. Apparatus for installing and removing flow valves. 3,827,490, 8-6-74, Cl. 166-117.500.

Moore, James C.; and Leonard, Milton K., to Portland Wire & Iron Works. Rollover protective systems for construction vehicles. 3,785,696, 1-15-74, Cl. 296-102.000.

Moore, James C., to Portland Wire & Iron Works. Apparatus for removable securing sound-proofing material to a construction vehicle. 3,829,150, 8-13-74, Cl. 296-39.00a.

Moore, James D.: *See—*
Chang, Richard S.; and Moore, James D., 3,796,005.

Moore, James E. Fishing lure construction. 3,855,722, 12-24-74, Cl. 43-42.340.

Moore, James G., to Blaw-Knox Food and Chemical Equipment Inc. Support assembly for a shaft. 3,801,168, 4-2-74, Cl. 308-15.000.

Moore, James H.: *See—*
Law, Edward; and Moore, James H., 3,790,091.

Moore, James M. Crane. 3,797,675, 3-19-74, Cl. 214-1.00d.

Moore, James Melvin; Newell, William Gilbert, Hampton, Anthony Everette; and Jackson, Philip Elmo, to Fieldcrest Mills, Inc. Method and apparatus for making space-dyed yarns. 3,815,179, 6-11-74, Cl. 19-163.000.

Moore, Jaymes D. Educational toy device. 3,789,522, 2-5-74, Cl. 35-60.000.

Moore, Jewel B.: *See*—
Moore, George E., Jr., 3,829,131.

Moore, John: *See*—
Grondahl, Clayton M.; and Moore, John, 3,844,679.

Moore, John, to General Electric Company. System for the introduction of coolant into open-circuit cooled turbine buckets. 3,804,551, 4-16-74, Cl. 416-97.000.

Moore, John David, to International Synthetic Rubber Company Limited, The. Process for preparing graft copolymers in aqueous emulsion. 3,855,355, 12-17-74, Cl. 260-880.00r.

Moore, John J., Sr. Gusset. 3,818,672, 6-25-74, Cl. 281-189.36h.

Moore, John W., to Swan Corporation. Biased wall panel for use with a three-sided alcove. 3,845,600, 11-5-74, Cl. 52-222.000.

Moore, Joseph E.; and Kohn, Gustave K., to Chevron Research Company. Insecticidal phenols. 3,798,274, 3-19-74, Cl. 260-609.00f.

Moore, Joseph E., to Chevron Research Company. Hydrocarbyl sulfenylmercapto pyrimidines. 3,821,222, 6-28-74, Cl. 260-256.50r.

Moore, Joseph E. Reel with spring thread. 3,830,445, 8-20-74, Cl. 242-118.400.

Moore, Joseph E. Spring-loaded expandable reel. 3,840,198, 10-8-74, Cl. 242-118.400.

Moore, Joseph F.: *See*—
Kobzina, John W.; Moore, Joseph F.; and Kohn, Gustave K., 3,826,644.

Moore, Joseph L., to Moore Associates. Means for retrieving litter. 3,807,154, 4-30-74, Cl. 56-328.00r.

Moore, Kenneth L.: *See*—
Lally, William; Moore, Kenneth L.; Robbins, John E.; and Willbond, William F., 3,799,723.

Moore, Larry R.; and Turek, Robert F., to Bowles Fluidics Corporation. Techniques for bi-directional fluid signal transmission. 3,794,055, 2-26-74, Cl. 137-1.000.

Moore, Lawrence A., to Beloit Corporation. Method and apparatus for heating parisons. 3,801,263, 4-2-74, Cl. 432-19.000.

Moore, Lawrence A., to Beloit Corporation. Fluid operated clamping device for blow molding apparatus. 3,807,929, 4-30-74, Cl. 425-387.00b.

Moore, Lawrence A., to Beloit Corporation. Parison oven having improved discharge station. 3,850,566, 11-26-74, Cl. 425-387.00b.

Moore, Lawrence A. Method for heating, transferring, and blow molding tubular parisons. 3,852,398, 12-3-74, Cl. 264-94.000.

Moore, Lee C.: *See*—
Jenkins, Cecil; and Woolslayer, Joseph R., 3,851,770.

Moore, Lee C., Corporation: *See*—
Donnally, Robert B., 3,803,780.
Woolslayer, Homer J., 3,815,757.
Woolslayer, Homer J.; and Jenkins, Cecil, 3,826,472.

Moore, Lewis Frank; and Price, George McNair, to Frymaster Corporation, The. Melt cycle control system. 3,800,779, 4-2-74, Cl. 126-374.000.

Moore, Lewis Frank; and Price, George McNair, to Frymaster Corporation, The. Cooking system. 3,809,062, 5-7-74, Cl. 126-369.000.

Moore, Loren Alton. Pump. 3,838,945, 10-1-74, Cl. 417-378.000.

Moore, Lou. Writing instrument. 3,825,976, 7-30-74, Cl. 24-11.00f.

Moore, Marvin W., to Microdot, Inc. Plastic lamp socket with latched insert. 3,805,211, 4-16-74, Cl. 335-14.00r.

Moore, Marvin W., to Microdot Inc. Socket. 3,810,072, 5-7-74, Cl. 339-88.00r.

Moore, Norman H., to Fibreboard Corporation. Carton with easy opening feature and blank therefor. 3,853,261, 12-10-74, Cl. 229-51.0as.

Moore, Paul W., to Phillips Petroleum Company. Fibers for pillow stuffing. 3,837,022, 9-24-74, Cl. 55-355.000.

Moore, Pearl K. Hand operated actuating device for a vehicle brake pedal. 3,850,048, 11-26-74, Cl. 74-491.000.

Moore, Philip William: *See*—
Battaerd, Hendrik Adrian Jacobus; Clouston, John Gannon, and Moore, Philip William, 3,814,677.

Moore, Phylis T.; and Simon, Myron S., to Polaroid Corporation. Polyviologens. 3,856,714, 12-24-74, Cl. 260-2.00r.

Moore Products Co.: *See*—
Adams, Robert B., 3,855,859.
Moore, Coleman B., 3,785,616.

Moore, Raymond H., to United States of America, Atomic Energy Commission. Recovery of fission-produced technetium, palladium, rhodium and ruthenium. 3,848,048, 11-12-74, Cl. 423-22.000.

Moore, Raymond H., to Battelle Memorial Institute. Catalytic fused salt extraction process for removal of sulfur oxides from flue or other gases. 3,855,386, 12-17-74, Cl. 423-210.500.

Moore, Richard D. Convertible boat top. 3,797,436, 3-19-74, Cl. 114-71.000.

Moore, Richard E. Pressure polished extruded polycarbonate or polysulfone sheet. 3,855,042, 12-17-74, Cl. 161-1.000.

Moore, Richard F.; and Schiller, Frederick C., to National Cash Register Company, The. Woven fabric printing ribbon having rupturable microcapsules bonded to its surface. 3,817,773, 6-18-74, Cl. 117-36.100.

Moore, Richard L.; Moore, Vaughn; and Moore, Warren N. Double-hulled boats. 3,831,212, 8-27-74, Cl. 9-6.000.

Moore, Richard W. Cryopreservation of equine cell cultures. 3,852,155, 12-3-74, Cl. 195-1.800.

Moore, Robert A.: *See*—
Klein, Gerald I.; Moore, Robert A.; and Payer, Stephen F., 3,825,859.

Moore, Robert C.: *See*—
Roll, Ronald G.; Edwards, Charles R.; Moore, Robert C.; Wagner, George D.; and Burek, Ronald K., 3,858,217.

Moore, Robert David, Jr. Heatronic valves. 3,818,980, 6-25-74, Cl. 165-32.000.

Moore, Robert E.: *See*—
Schneider, Abraham, and Moore, Robert E., 3,803,263.

Moore, Robert E., to Sun Research and Development Co. Haloadamantanes. 3,784,615, 1-8-74, Cl. 260-648.00r.

Moore, Robert E., to Sun Research and Development Co. Haloadamantanes. 3,789,089, 1-29-74, Cl. 260-648.00r.

Moore, Robert E.; and Driscoll, Gary L., to Sun Research and Development Co., mesne. Preparation of haloadamantanes. 3,819,721, 6-25-74, Cl. 260-617.00f.

Moore, Robert Fred; and Moore, Alvin Edward. Pile splicer. 3,802,206, 4-9-74, Cl. 61-53.000.

Moore, Robert G., to Hickman Developments, Inc. Axle clamp for shear rubber vehicle suspension. 3,811,700, 5-21-74, Cl. 280-124.00r.

Moore, Robert G., to Hickman Developments, Inc. Tandem axle vehicle suspension. 3,817,551, 6-18-74, Cl. 280-104.50a.

Moore, Robert L.: *See*—
Baker, Charles R.; and Moore, Robert L., 3,847,697.
Jantzen, Johannes K.; and Moore, Robert L., 3,783,200.
Mathisen, Einar S.; Moore, Robert L.; and Sheiner, Leonard S., 3,796,497.

Moore, Robert M. Air line lubricator safety device. 3,805,922, 4-23-74, Cl. 184-55.00a.

Moore, Robert P., to United States of America, Navy. Method for the detection of radar targets. 3,806,929, 4-23-74, Cl. 343-55.00a.

Moore, Robert P., to Sperry Rand Corporation. Inter-module connector system. 3,850,492, 11-26-74, Cl. 339-18.00r.

Moore, Robert R. Adjustable strap assembly. 3,827,107, 8-6-74, Cl. 24-16.00r.

Moore, Robert R. Knee brace. 3,831,467, 8-27-74, Cl. 128-80.00c.

Moore, Robert R. Orthopedic knee brace. 3,853,123, 12-10-74, Cl. 128-80.00c.

Moore, Robert S., to Eastman Kodak Company. Method of making a plastic optical element. 3,816,160, 6-11-74, Cl. 117-33.300.

Moore, Roger E.: *See*—
Kalina, Theodore; and Moore, Roger E., 3,847,567.

Moore, Romayne T.; and Powelson, Lilliam E. Contractible level for artificial breast alignment. 3,811,197, 5-21-74, Cl. 33-374.000.

Moore, Ronald Charles: *See*—
Price, David Watkin; Sidebottom, Ronald; Briscoe, Murray George; and Moore, Ronald Charles, 3,786,011.

Moore, Ronald H., to Owens-Illinois, Inc. Melting and refining of amber glass. 3,837,831, 9-24-74, Cl. 65-134.000.

Moore, Ronald Leslie; and Mace, Dennis Geoffrey Wallace, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for the Environment in Her Britannic Majesty's Government of the. Apparatus for controlling the intensity of vehicle headlaps. 3,828,220, 8-6-74, Cl. 315-82.000.

Moore, Samuel, & Company: *See*—
Johanson, Hans A.; Whittaker, Dewey E.; and Phillippi, Larry R., 3,828,112.
Smith, Roy B., and Sabo, Alex T., 3,785,460.
Smith, Roy B.; Sabo, Alex T.; and Kavick, Edward M., 3,809,184.
Stine, Clifford R., 3,853,149.
Whitledge, Jon K., and Kavick, Edward M., 3,785,050.
Whitledge, Jon K.; and Kavick, Edward M., 3,849,858.

Moore, Teddy L.: *See*—
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Moore, Thomas J., and Holko, Kenneth H., to United States of America, National Aeronautics and Space Administration. Diffusion welding in air. 3,787,959, 1-29-74, Cl. 29-482.000.

Moore, Thomas M.; and Boyden, Thomas F., to Standard Oil Company. Combination hydrodesulfurization and reforming process. 3,801,494, 4-2-74, Cl. 208-79.000

Moore, Thomas P.: *See*—
Bufkin, Guydell O.; and Moore, Thomas P., 3,842,677.

Moore, Vaughn: *See*—
Moore, Richard L.; Moore, Vaughn, and Moore, Warren N., 3,831,212.

Moore, Walter L. Offset breakwater configuration. 3,800,543, 4-2-74, Cl. 61-5.000.

Moore, Warren A.: *See*—
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Schuller, Fredrick T.; and Moore, Warren A., 3,830,552.

Moore, Warren N.: *See*—
Moore, Richard L.; Moore, Vaughn; and Moore, Warren N., 3,831,212.

Moore, Werton D., to Ross, Marty and Henderson, Danny. Swimming pool cleaning device. 3,796,373, 3-12-74, Cl. 239-229.000.

Moore, William A.: *See*—
Holmes, Frank; Moore, William A.; and Read, George, 3,784,274.

Moore, William C.; and Connors, John D., to Welch Allyn, Inc. Combination battery handle-case for a pair of attached, outfolding illuminated medical instruments. 3,812,847, 5-28-74, Cl. 128-9.000.

Moore, William F., to Neil and Spencer, Limited. Dry cleaning. 3,807,948, 4-30-74, Cl. 8-142.000.

Moore, William G.: *See*—
Gonzales, Michael; Benton, Richard H.; and Moore, William G., 3,810,630.
Myers, Harold D.; and Moore, William G., 3,854,299.

Moore, William H.; Richardson, George T.; and Pease, Floyd T., to Offshore Company, The. Drilling platform. 3,828,561, 8-13-74, Cl. 61-46.500.

Moore, William J. M.: *See*—
Kusters, Norbert L.; and Moore, William J. M., 3,849,727.

Moore, William M.: *See*—
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Moore, William P.: *See*—
Bragdon, Robert W.; Thunberg, Jon C.; and Moore, William P., 3,808,269.
Bragdon, Robert W.; Thunberg, Jon C.; and Moore, William P., 3,852,344.

Moore, William P., to Bauer Bros., Co., The. Screen units used for dewatering and classifying the contents of a liquid slurry. 3,835,999, 9-17-74, Cl. 209-251.000.

Moore, William Percy, to Allied Chemical Corporation. Production of potassium polyphosphates. 3,784,367, 1-8-74, Cl. 71-36.000.

Moore, William R.; and Erickson, Robert E., to Dow Chemical Company, The. Modified turbine engine fuel. 3,820,963, 6-28-74, Cl. 44-62.000.

Moore, William Ross: *See*—
Atkins, Bobby Leroy; Welsh, William Marvin; and Moore, William Ross, 3,792,026.

Moore, William Thomas, to Rank Organisation Limited, The. Testing of spherical surfaces by holographic interference. 3,833,301, 9-3-74, Cl. 356-109.000.

Moore-Perk Corporation: *See*—
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Moorefield, James F., II, to Loew's Theatres, Inc. Apparatus for separating material from a pneumatic conveyor. 3,789,587, 2-5-74, Cl. 55-290.000.

Moorehead, Harvey Robert, to Deseret Pharmaceutical Company, Inc. Catheter placement unit. 3,792,703, 2-19-74, Cl. 128-214.400.

Moorehead, Harvey Robert, and Reading, George R., to Deseret Pharmaceutical Company, Inc. Catheter placement unit with pressure closure. 3,811,440, 5-21-74, Cl. 128-214.400.

Moorehead, Harvey Robert, and Reading, George R., to Deseret Pharmaceutical Company, Inc. Catheter placement unit with pressure closure. 3,856,010, 12-24-74, Cl. 128-214.400.

Moorehead, James R., to Boeing Company, The. Combination clamshell thrust reverser and variable nozzle area ramp. 3,791,586, 2-12-74, Cl. 239-265.290.

Moorehead, James R., to Boeing Company, The and Aeritalia S.p.A. Thrust reverser. 3,831,376, 8-27-74, Cl. 60-226.00a

Moores, Robert G., Jr.; McCafferty, Leo A., Jr.; and Alsruhe, Leonard U., to Black and Decker Manufacturing Company, The. Bearing and housing construction. 3,845,336, 10-29-74, Cl. 310-52.000

Moores, Robert Gordon, Jr.: *See*—
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Moores, Robert Gordon, Jr., to Black and Decker Manufacturing Company, The. Handle mounting construction for electric paving breaker. 3,824,417, 7-16-74, Cl. 310-51.000

Moorex Industries, Inc.: *See*—
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Moorhead, John P.; and Stratton, Donald W., to Anderson Company, The. Windshield wiper blade structure. 3,820,188, 6-28-74, Cl. 15-250.420.

Moorhead, Seth B., Jr., to Martin Marietta Corporation. Thrust vector-jet interaction vehicle control system. 3,819,117, 6-25-74, Cl. 239-265.230.

Moorhead, Terence Francis. Hair populated material. 3,794,933, 2-26-74, Cl. 132-5.000

Moorhead, William V. Concret forming apparatus and process. 3,832,079, 8-27-74, Cl. 404-72.000.

Mooring, Scott W., to Steamatic, Inc. Apparatus for dry cleaning of fabrics in situ. 3,815,169, 6-11-74, Cl. 15-321.000.

Moorman, Charles J.; Meyer, Martin R.; and Reuter, Frederick A., to Mosler Safe Company, The. Magnetically encoded card reader and/or writer. 3,787,661, 1-22-74, Cl. 235-61.11d.

Moorman, Earl J. Magnetically operating switch. 3,852,692, 12-3-74, Cl. 335-205.000.

Moorman Manufacturing Company: *See*—
Kurk, Kenneth G.; and Kilbride, Robert S., 3,827,577.
Maas, Melvin L., 3,782,200.

Moorman, Newton G.; and Langoussis, Denis, to Ingersoll Milling Machine Company, The. Method of and apparatus for precision positioning of heavy workpieces. 3,807,035, 4-30-74, Cl. 29-563.000.

Moos, Albert H.: *See*—
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Moos, Ervin A., to Thexton Manufacturing Company. Pressure-actuated drum dispenser. 3,851,796, 12-3-74, Cl. 222-39.000.

Moosavian, Seid Hossein; and Johnson, Charles Robert, to Firestone Tire & Rubber Company, The. Method and apparatus for desolventizing elastomers. 3,799,235, 3-26-74, Cl. 159-3.000.

Moosburger, Hans: *See*—
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Moosmann, Alois. Advancing drive for slides on machine tools. 3,820,412, 6-28-74, Cl. 74-422.000.

Moote, Truman P.; and Vandaveer, Roscoe F., to Amoco Production Company. Subsurface formation treatment. 3,841,405, 10-15-74, Cl. 166-294.000.

Mopherson, Alexander W.: *See*—
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Mora, Maria. Packet nasal inhaler. 3,788,316, 1-29-74, Cl. 128-200.000.

Moraez, Donald J.; and Stachura, Edward J., to TRW Inc. Electrical discharge machining process employing brass electrode, silicone oil dielectric, and controlled voltage pulses. 3,851,135, 11-26-74, Cl. 219-69.00m.

Moradazeh, Yaqub: *See*—
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Morales, David Ocampo. Control system for motor-generator set. 3,848,170, 11-12-74, Cl. 318-487.000.

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Moran, Clifford M.: *See*—
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Moran, Francis; and Myers, Philip Albert, to British Petroleum Company, Limited, The. Process for the production of micro-organisms. 3,816,252, 6-11-74, Cl. 195-28.00r

Moran, James: *See*—
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Moran, Michael J.: *See*—
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Moran, Michael W., to Lord Corporation. Stabilized tubular compressive load carrying laminated bearing. 3,787,102, 1-22-74, Cl. 308-26.000.

Moran, Paul R.; and Pearson, David W., to United States of America, Atomic Energy Commission. Method of measuring fast neutron flux using thermoluminescent dosimeter. 3,835,329, 9-10-74, Cl. 250-484.000.

Moran, Paul R., and Podgorsak, Ervin B., to United States of America, Atomic Energy Commission. Charge storage device. 3,854,337, 12-17-74, Cl. 73-362.00r

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Moran, Robert L. Automatic television programmer. 3,818,352, 6-18-74, Cl. 325-396.000.

Moran, Stephen F.: *See*—
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Moran, Thomas M.: *See*—
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Moran, Thomas M., to Eaton Corporation. Fastener. 3,789,724, 2-5-74, Cl. 85-32.00v

Moran, Thomas M., to Eaton Corporation. Fastener. 3,789,727, 2-5-74, Cl. 85-71.000.

Moran, Thomas M.; and Paskert, Joseph H., to Eaton Corporation. Self retaining knob. 3,808,635, 5-7-74, Cl. 16-121.000.

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Morand, Jean Francis, to Electronique Marcel Dassault. Device for neutralizing a fire-control radar. 3,852,747, 12-3-74, Cl. 343-18.00e.

Morand, Jean Francois: *See—*
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Morane, Bruno, to L'Oreal. Valve for dispensing one or more pressurized fluids. 3,796,352, 3-12-74, Cl. 222-135.000.

Morane, Bruno; Paoletti, Charles; Merrien, Louis; Maurelli, Manlio; and Sathicq, Robert, to L'Oreal. Method and apparatus for packaging products which are to be stored separately but dispensed simultaneously. 3,799,398, 3-26-74, Cl. 222-39.000.

Morane, Bruno P., to L'Oreal. Hair dryer particularly adapted to the drying of long hair. 3,782,002, 1-1-74, Cl. 34-99.000.

Morane, Bruno P., to L'Oreal. Molded hair roller. 3,802,443, 4-9-74, Cl. 132-39.000.

Morane, Bruno P.; and Goyet, Daniel. Device for sorting two products separately and dispensing them simultaneously. 3,802,604, 4-9-74, Cl. 222-83.000.

Morane, Bruno P.; and Vien, Andre, to L'Oreal. Curling iron. 3,814,113, 6-4-74, Cl. 132-36.00r.

Morane, Bruno P.; Paoletti, Charles; Maurelli, Manlio; Merrien, Louis; and Sathicq, Robert, to L'Oreal. Pressurized dispenser holding more highly pressurized internal container. 3,815,793, 6-11-74, Cl. 222-399.000.

Morane, Bruno P.; Paoletti, Charles; Maurelli, Manlio; Merrien, Louis; and Sathicq, Robert, to L'Oreal. Pressure-responsive safety device for aerosol dispenser and containers equipped therewith. 3,834,589, 9-10-74, Cl. 222-80.000.

Morane, Bruno Pierre, to L'Oreal. Hair curler. 3,812,866, 5-28-74, Cl. 132-40.000.

Morarau, Dinu Stefan. Methods and electrodes for the drying of damp buildings. 3,856,646, 12-24-74, Cl. 204-180.00r.

Morard Pulpwood Company Limited: *See—*
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Morault, Gabriel. Apparatus for the injection of plastic materials. 3,825,155, 7-23-74, Cl. 222-146.0he.

Moravcsik, Imre: *See—*
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Moraw, Roland; and Schadlich, Gunther, to Kalle Aktiengesellschaft. Method of reproducing a relief image. 3,809,473, 5-7-74, Cl. 355-9.000.

Moraw, Roland; Schadlich, Gunther; and Schadlich, Renate, to Kalle Aktiengesellschaft. Process for the production of holograms. 3,850,633, 11-26-74, Cl. 96-27.00h.

Morback Industries, Inc.: *See—*
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Morby, John Alfred; and McGann, James Edward, to General Electric Company. Non-metallic load center with improved bus bar construction. 3,801,875, 4-2-74, Cl. 317-120.000.

Morcaldi D', Rosaria Forlano. Fabric construction guide. 3,847,052, 11-12-74, Cl. 87-31.000.

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Morcos, George A. Arithmetic educational toy. 3,844,053, 10-29-74, Cl. 35-31.00r.

Mordehai, Avraham Ben. Rotary water sprinkler. 3,813,043, 5-28-74, Cl. 239-204.000.

Morden Machines Company: *See—*
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Morden, Russell L. Vehicle rear compartment heater. 3,814,314, 6-4-74, Cl. 237-12.30b.

Mordhorst, Hans, to West Coast Concrete Supply Ltd. Mobile storage apparatus for use with concrete mixing plants. 3,804,463, 4-16-74, Cl. 298-8.00t.

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Morduchowitz, Abraham, to Texaco Inc. Method of pretecting surfaces by coating with imide-ester derivatives of ethene-maleic anhydride copolymers. 3,810,276, 5-14-74, Cl. 117-161.00n.

Morduchowitz, Abraham; and Rubin, Isaac D., to Texaco Inc. Mineral oil compositions. 3,816,315, 6-11-74, Cl. 252-51.50a.

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Moreau, Wayne M., to International Business Machines Corporation. O-Dithialane-photosensitive compositions. 3,801,327, 4-2-74, Cl. 96-115.00r.

Morecroft, Andrew S.; deceased (by Morecroft, Janet E.; administratrix); Visser, Simon A. D.; and Limbert, Frank J., said Limbert and said Visser assors. to Baychem Corporation, mesne. Method of controlling the blow molding of hollow shaped plastic article. 3,795,719, 3-5-74, Cl. 264-40.000.

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Morehouse, James, to Disk Systems Corporation. Alignable disk pack. 3,824,572, 7-16-74, Cl. 340-174.10c.

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Morel, Georges, to Aerazur Constructions Aeronautiques. Pneumatic apparatus for holding the posture of paralyzed, diseased, disabled or wounded persons. 3,823,712, 7-16-74, Cl. 128-87.004.

Morel, Jacques, to Rhone-Poulenc S.A. Process for preparing 3'-oxo-retinene. 3,787,498, 1-22-74, Cl. 260-586.00b.

Morel, Jacques, to Rhone-Poulenc S.A. Process for the preparation of canthaxanthine. 3,790,635, 2-5-74, Cl. 260-586.00b.

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Morel, Marcel; and Lepareur, Lucien. Anti-pollution supply device for internal combustion engines. 3,789,817, 2-5-74, Cl. 123-133.000.

Morel, Paul Henri. Contraception and device for its application. 3,826,828, 7-30-74, Cl. 424-184.000.

Morel, Richard A.: *See—*
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Moreland, William C., II; McCoy, Robert A.; and Malarkey, Terence D., to Westinghouse Electric Corporation. Pan detector for induction heating cooking unit. 3,796,850, 3-12-74, Cl. 219-10.490.

Morell, Josef; Nowak, Johann; Schild, Josef; and Wessner, Harald, to Voekenhuber, Karl and Hauser, Raimund. Recording or reproducing apparatus. 3,815,847, 6-11-74, Cl. 242-191.000.

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Morelle, Jean V. Lipoaminoacids. 3,786,076, 1-15-74, Cl. 260-402.500.

Morelli, Alberto. Motor vehicle having wheels in a diamond pattern. 3,828,876, 8-13-74, Cl. 180-21.000.

Morelli, Franco: *See—*
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Morelli, Morello; and De Marco, Fortunato, to Snam Progetti, S.p.A. Hydrogenation of cyclic hydrocarbon diolefins to cyclic hydrocarbon olefins. 3,857,894, 12-31-74, Cl. 260-666.00a.

Morelock, Charles R., to General Electric Company. Coated filaments. 3,788,893, 1-29-74, Cl. 117-216.000.

Morelock, Charles R.; Lord, Peter C.; and Weininger, Joseph L., to General Electric Company. Storage battery plate. 3,839,090, 10-1-74, Cl. 136-36.000.

Moren, Hugh G., Jr., to Flex-E-Thane, Inc. Friction covering material for wear surfaces of shuttle checking devices. 3,807,461, 4-30-74, Cl. 139-185.000.

Moren, Hugh G., Jr., to Baldt Corporation. Starting device for yarn carrier. 3,814,347, 6-4-74, Cl. 242-125.100.

Moren, Lars Gunnar, to Aktiebolaget Electrolux. Device for controlling the intermittent operation of a windshield wiper motor. 3,793,577, 2e19-74, Cl. 318-dig.002.

Morena, Alfred, Jr. Package for a microelectronic device. 3,803,458, 4-9-74, Cl. 317-234.00r.

Morenar S.A.: *See—*
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Moreng, Joseph H., to Moreng, Joseph, Iron Works, Inc. Portable, collapsible steeplechase hurdle or fence. 3,789,801, 2-5-74, Cl. 119-29.000.

Moreng, Joseph, Iron Works, Inc.: *See—*
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Moreno, Angel. Snow-melting truck with discharge means. 3,803,732, 4-16-74, Cl. 37-12.000.

Moreno, Frederick E.: *See—*
Kirk, Russell F.; Moreno, Frederick E.; and Foster, Jack D., 3,836,236.

Moreno, Maria F.: *See—*
Sutliff, Gloria M.; and Moreno, Maria F., 3,810,996.

Moreno, Miguel Fernandez, to International Standard Electric Corporation. Trunking arrangement for multiple exchange switching system. 3,823,270, 7-9-74, Cl. 179-18.0ea.

Moreno, Victor; and Lysåk, David A., to General Foods Corporation. Method for producing heat and acid stable whey protein material. 3,791,283, 2-12-74, Cl. 99-57.000.

Moreschini, Luciano: *See—*
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Moreschini, Luciano; Marciandi, Franco; Petrini, Guido; and Faletti, Franco, to Montecatini Edison S.p.A. Process for preparation of unsaturated nitriles. 3,833,639, 9-3-74, Cl. 260-465.900.

Moret, Bernard; and Dufetele, Jean-Louis, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Method and apparatus for continuously removing burrs from objects. 3,824,739, 7-23-74, Cl. 51-9.000.

Moret, Michel A. Device for operating a pump so as to produce therefrom a pulsating jet of liquid. 3,811,432, 5-21-74, Cl. 128-66.000.

Moretini, Billy, to International Design Corporation. Modular merchandise display device. 3,782,296, 1-1-74, Cl. 108-101.000.

Moreton, Derek Vidion, to International Computers Limited. Visual display device. 3,812,485, 5-21-74, Cl. 340-324.00a.

Moretti, Alberto: *See—*
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Melacini, Paolo; Patron, Luigi; Moretti, Alberto; and Tedesco, Raffaele, 3,821,178.
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Morey, Dennison H. Method, container and tool for growing and planting grapes and other deep and/or tap rooted plants. 3,828,473, 8-13-74, Cl. 47-58.000.

Morey, Frederick E., III: *See—*
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Morey, Rexford M., to Geophysical Survey Systems, Inc. Geophysical surveying system employing electromagnetic impulses. 3,806,795, 4-23-74, Cl. 324-6.000.

Morey, Woodruff A.: *See—*
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Morez, Eugene S., to Chicago Musical Instrument Co. Chorus generator for electronic musical instrument. 3,828,109, 8-6-74, Cl. 84-1.010.

Morez, Eugene S., to Chicago Musical Instrument Co. Scanner for electronic musical instrument. 3,828,643, 8-13-74, Cl. 84-115.000.

Morf, Victor. Process for the attachment of hour signs on time piece dials. 3,798,730, 3-26-74, Cl. 29-177.000.

Morfit, Oliver: *See—*
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Godino, Rino L.; and Morfit, Oliver, 3,847,751.

Morfit, Oliver; and Ditman, John G., to Foster Wheeler Corporation. Solvent deasphalting. 3,811,843, 5-21-74, Cl. 23-270.500.

Morford, Marvin A. Mouse trap. 3,786,591, 1-22-74, Cl. 43-66.000.

Morgan Adhesives Company: *See—*
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Morgan, Barry S.; and Jaffe, Joseph, to Chevron Research Company. Hydroconversion catalyst preparation methods. 3,795,632, 3-5-74, Cl. 252-455.00r.

Morgan Berkeley & Company Limited. *See—*
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Morgan, Brian E. Injection site for a flow conduit. 3,850,202, 11-26-74, Cl. 138-103.000.

Morgan, Burton D., to Morgan Adhesives Company. Laminated label or similar article. 3,854,229, 12-17-74, Cl. 40-2.000.

Morgan, Burton K. Joint construction for concrete structures. 3,821,869, 7-2-74, Cl. 52-259.000.

Morgan, Charles R., to Grace, W. R., & Co. Urethane, thioether-containing polyene composition and the reaction product thereof. 3,784,524, 1-8-74, Cl. 260-77.5cr.

Morgan, Charles R., to Grace, W. R., & Co. Curable compositions containing solid styreneallyl alcohol copolymer based polyenes and polythiols. 3,832,421, 8-27-74, Cl. 260-859.00r.

Morgan, Charles R., to Grace, W. R., & Co. Solid curable polythiol compositions containing liquid polyenes and solid styrene-allyl alcohol copolymer based polythiols. 3,843,572, 10-22-74, Cl. 260-17.00r.

Morgan, Charles R., to Grace, W. R., & Co. Radiation curing of solid styrene-allyl alcohol copolymer based polyene-polythiol compositions. 3,856,645, 12-24-74, Cl. 204-159.190.

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Morgan Construction Company: *See—*
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Morgan, Dean T.; and Davis, Jerry P., to Thermo Electron Corporation. Rankine cycle bottoming plant. 3,830,062, 8-20-74, Cl. 60-618.000.

Morgan, Dean Thomas, to Thermo Electron Corporation. Energy storage and removal methods for Rankine systems. 3,830,063, 8-20-74, Cl. 60-645.000.

Morgan, Donald F., to Amerace Esna Corporation. Bowling ball indicia display means and method of assemblying same. 3,811,211, 5-21-74, Cl. 40-2.200.

Morgan, Edgar A., to Arrow Development Co., Inc. Boat construction for amusement park use. 3,827,387, 8-6-74, Cl. 114-219.000

Morgan, Edgar A., to Arrow Development Co., Inc. Standing passenger support structure for a moving vehicle. 3,843,192, 10-22-74, Cl. 296-64.000.

Morgan, Edmond L.: *See—*
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Morgan, Edward J., to Brunswick Corporation. Check valve. 3,804,114, 4-16-74, Cl. 137-515.500.

Morgan, Edward J., to Brunswick Corporation. Internal combustion engine. 3,809,027, 5-7-74, Cl. 123-30.00r.

Morgan, Frank S. Shock absorbers. 3,827,538, 8-6-74, Cl. 188-319.000.

Morgan, Fred P.: *See—*
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Morgan, Frederic L., to Buckman Laboratories, Inc. Petroleum fuel oil and black liquor combustion. 3,826,632, 7-30-74, Cl. 44-66.000.

Morgan, George J., to Stauffer Chemical Company. Method for preparing sodium chloride brine. 3,800,026, 3-26-74, Cl. 423-179.000.

Morgan, George W.: *See—*
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Morgan, Herbert S.; Preston, Jack; and Black, William B. High modulus aromatic poly(amide hydrazide) fibers. 3,796,693, 3-12-74, Cl. 260-78.00a.

Morgan, Howard William, Jr., to Filter Specialists, Inc. Filter for liquid material. 3,814,261, 6-4-74, Cl. 210-453.000.

Morgan, J. Robert. Nail clipper with means to adjust the curvature of the clipper blades. 3,832,771, 9-3-74, Cl. 30-28.000.

Morgan, Jay E., to Pillsbury Company, The. High protein food bar. 3,814,819, 6-4-74, Cl. 426-72.000.

Morgan, Joe M.: *See—*
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Morgan, John Edward; Schlueter, David Frederick; and Seymour, Lonnie Ray, to Illinois Tool Works, Inc. Drum assembly for container carrier machine. 3,816,968, 6-18-74, Cl. 53-48.000.

Morgan, John Edward, to Associated Pulp and Paper Mills Limited. Wet combustion of waste liquors. 3,849,536, 11-19-74, Cl. 423-206.000.
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Morgan, Johnathan D.; and Ramsey, Roy A., to Phillips Petroleum Company. Regeneration of cobalt-molybdenum catalyst used for the removal of diolefins and acetylenes from an olefinic feed. 3,812,057, 5-21-74, Cl. 252-416.000.
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Morgan, Myron; Mitchell, Steven D.; and Platt, Conrad R., to Aerojet-General Corporation. Apparatus and method of terminating thrust of a rocket motor. 3,803,838, 4-16-74, Cl. 60-254.000.
Morgan, Neal O.: *See*—
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Morgan, Paul W.: *See*—
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Morgan, Paul Winthrop: *See*—
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Morgan, Paul Winthrop, to Du Pont de Nemours, E. I., and Company. Novel polymers and dope of aromatic polyamides containing a stilbene radical. 3,801,528, 4-2-74, Cl. 260-308.00r.
Morgan, Paul Winthrop, to Du Pont de Nemours, E. I., and Company. Polyamide spinning dope. 3,804,791, 4-16-74, Cl. 260-30.80r.
Morgan, Paul Winthrop, to Du Pont de Nemours, E. I., and Company. Anisotropic dopes of polyamides in concentrated sulfuric acid. 3,827,998, 8-6-74, Cl. 260-30.80r.
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Morgan, Richard J. Foraminous support platforms. 3,814,030, 6-4-74, Cl. 108-51.000.
Morgan, Robert D., to Carrier Corporation. Air conditioning system with provision for reheating. 3,798,920, 3-26-74, Cl. 62-173.000.
Morgan, Robert E.: *See*—
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Morgan, Robert E., to General Motors Corporation. Rotary engine oil metering pump. 3,834,844, 9-10-74, Cl. 418-84.000.
Morgan, Robert E.; and Palma, James D., to General Motors Corporation. Rotary engine oil metering pump. 3,841,803, 10-15-74, Cl. 418-84.000.
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Morgan, Thomas, to G & H Technology, Inc. Electrical contact terminal hand tool. 3,789,484, 2-5-74, Cl. 29-203.00h.
Morgan, Thomas D., to Phillips Petroleum Company. Spark plug. 3,854,067, 12-10-74, Cl. 313-130.000.
Morgan, Thomas Edward, and Koslo, Robert Carl, to International Telephone and Telegraph Corporation. Strap tensioning and cut-off tool. 3,782,426, 1-1-74, Cl. 140-123.600.
Morgan, Thomas R.; Low, William W.; Wamser, Christian A.; and Bruen, Charles P., to Allied Chemical Corporation. Process for reducing the trivalent chromium content of alkali metal bisulfate solutions. 3,784,672, 1-8-74, Cl. 423-202.000.
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Morgenstern, David. Filtered cigarettes. 3,847,161, 11-12-74, Cl. 131-10.300.
Morgenstern, David M., deceased (by Morgenstern, Stanley); Chatmann, Harold M.; and Cole, Allan R., to Tenna Corporation. Electric adjusting means for azimuth and elevation adjustment. 3,857,631, 12-31-74, Cl. 350-289.000.
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Morgolenko, Anatoly Sergeevich; Kononenko, Vadim Grigorievich; Fedosenko, Igor Grigorievich; Selivanov, Gennady Dmitrievich; Kushnarenko, Sergei Grigorievich; and Lepetjukha, Vladimir Semenovich. High-speed machines for shaping metals which employ the enery of high-pressure gas. 3,783,672, 1-8-74, Cl. 72-407.000.
Morgott, Horst, to Siemens Aktiengesellschaft. Control unit for electronic system. 3,818,393, 6-18-74, Cl. 335-206.000.
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Mori, Chiharu; Ota, Katsumi; and Togawa, Hideaki. Electrical controls for camera shutters. 3,810,203, 5-7-74, Cl. 354-24.000.
Mori, Chiharu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Quantized indication arrangement. 3,828,253, 8-6-74, Cl. 324-99.00d.
Mori, Chiharu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera eyepiece light compensation arrangement. 3,836,921, 9-17-74, Cl. 354-31.000.
Mori, Chiharu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Circuit for switching different resistance values corresponding to amount of light measured. 3,849,725, 11-19-74, Cl. 324-65.00r.
Mori, Chuzo. Roll memorandum device. 3,784,074, 1-8-74, Cl. 226-127.000.
Mori, Chuzo, to Carl Manufacturing Company Ltd. List finder with insertable information cards. 3,820,264, 6-28-74, Cl. 40-104.010.
Mori, Chuzo, to Carl Manufacturing Company Ltd. Indexing pointer for list finders. 3,835,560, 9-17-74, Cl. 40-104.010.
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Mori, Gian Luigi. Perpetual calendar, operated by a magnet. 3,827,168, 8-6-74, Cl. 40-110.000.
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Mori, Keizo; and Toue, Tutomu, to Volcano Co., Ltd. Method and apparatus for igniting a burner. 3,792,959, 2-19-74, Cl. 431-6.000.
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Mori, Kenichi; and Takebe, Hisao, to Tokyo Shibaura Electric Co. Ltd. Character type discriminator for character readers. 3,810,094, 5-7-74, Cl. 340-146.30d.
Mori, Kenji: *See*—
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Mori, Kenjiro; Ikebe, Shigueaqui; Hirooka, Masaaki; and Kato, Takashi, to Sumitomo Chemical Company, Limited. Lubricant compositions. 3,856,685, 12-24-74, Cl. 252-56.00r.
Mori, Masahiro; Noda, Atsuhiko; and Tokonaga, Shigeo, to Daido Seiko Kabushiki Kaisha. Electrode connecting device for furnace. 3,795,753, 3-5-74, Cl. 13-18.000.
Mori, Masahiro, Hahn, Walter C.; and Avitzur, Betzalel, to United States of America, Atomic Energy Commission. Method of extruding aluminum coated NB-Tl. 3,837,066, 9-24-74, Cl. 29-599.000.
Mori, Masanori, to Aisin Seiki Kabushiki Kaisha. Clutch disc with coil and rubber springs. 3,809,198, 5-7-74, Cl. 192-106.200.
Mori, Masashi. Mat foundation. 3,848,377, 11-19-74, Cl. 52-169.000.
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Mori, Riyuitiro: *See*—
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Mori, Shinjiro, to Mori Denki Manufacturing Co., Ltd. Heat radiating device for illuminating apparatus. 3,784,808, 1-8-74, Cl. 240-47.000.
Mori, Shinjiro, to Mori Denki Manufacturing Co., Ltd. Device for assisting attachment of heavy and/or bulky article. 3,819,141, 6-25-74, Cl. 248-223.000.
Mori, Shinjiro; and Takada, Akitoshi, to Mori Denki Manufacturing Co., Ltd. Switch-incorporating plug socket. 3,843,854, 10-22-74, Cl. 200-51.090.
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Mori, Takao: *See*—
Chibata, Ichiro; Tosa, Tetsuya, Sato, Tadashi, and Mori, Takao, 3,816,254.
Mori, Takasi; Takaku, Sakae; Suzuki, Seikichi; and Tsuda, Minoru, to Chugai Seiyaku Kabushiki Kaisha. Mycophenolic acid derivatives thereof. 3,825,571, 7-23-74, Cl. 260-343.300.
Mori, Takasi; Takaku, Sakae, and Suzuki, Seikichi, to Chugai Seiyaku Kabushiki Kaisha. Mycophenolic acid derivatives. 3,853,919, 12-10-74, Cl. 260-343.300.
Mori, Tetsuo, Yuda, Takeshi, and Okahashi, Keiji, to Matsushita Electric Works, Ltd. Electromagnetic relay. 3,800,250, 3-26-74, Cl. 335-128.000.
Mori, Toshio; Kojima, Chiaki, and Tamura, Hidemasa, to Sony Corporation. Electro-optic display device. 3,797,913, 3-19-74, Cl. 350-150.000.
Mori, Toshiyuki: *See*—
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Mori, Toshiyuki, to Olympus Optical Co., Ltd. Optical measuring catheter. 3,814,081, 6-4-74, Cl. 128-2.001.
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Mori, Toyoshi. *See*—
Hinachi, Matatoyo, and Mori, Toyoshi, 3,800,206.
Mori, Toyoshi; and Iwase, Yoshitaka, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Minature electric synchronous motor. 3,826,939, 7-30-74, Cl. 310-154.000.
Mori, Tsuguya. Method of manufacturing partly colored and patterned lace works of synthetic resin. 3,793,418, 2-19-74, Cl. 264-78.000.
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Mori, Yoichi, to Nissan Motor Company, Limited. Speed ratio comparator unit for control system of automotive automatic transmission. 3,792,631, 2-19-74, Cl. 74-866.000.
Mori, Yoichi; Okazaki, Nobuo; Ohtsuka, Kunio; and Iijima, Tetsuya, to Nissan Motor Company, Limited. Gear train arrangements. 3,812,739, 5-28-74, Cl. 74-763.000
Mori, Yoichi; Okazaki, Nobuo, Ohtsuka, Kunio, and Iijma, Tetsuya, to Nissan Motor Company, Limited. Gear train arrangements. 3,817,124, 6-18-74, Cl. 74-759.000.
Mori, Yoichi; and Ichimura, Hirohisa, to Nissan Motor Company, Limited. Torque converter with throttle controlled fluid clutch. 3,817,357, 6-18-74, Cl. 192-3.330.
Mori, Yoichi; Okazaki, Nobuo, Ohtsuka, Kunio, and Iijima, Tetsuya, to Nissan Motor Company, Limited. Gear train arrangements. 3,823,622, 7-16-74, Cl. 74-759.000.
Mori, Yoichi; Okazaki, Nobuo, Otsuka, Kunio, and Iijma, Tetsuya, to Nissan Motor Company, Limited. Gear train with three planetary gear sets. 3,824,876, 7-23-74, Cl. 74-759.000.
Mori, Yoichi; Okazaki, Nobuo; Ohtsuka, Kunio; and Iijma, Tetsuya, to Nissan Motor Company, Limited. Gear train arrangements. 3,835,732, 9-17-74, Cl. 74-688.000.
Mori, Yoichi; Okazaki, Nobuo; Ohtsuka, Kunio; and Iijma, Tetsuya, to Nissan Motor Company, Limited. Gear train arrangements. 3,853,023, 12-10-74, Cl. 74-759.000.
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Moribe, Kamataro, to Nagata, D., Co., Ltd. One way positive clutch with one way friction brake. 3,809,196, 5-7-74, Cl. 192-12.00b.

Morichetto, Martin, to Slapvagnskopplingar AB. Semi-trailer coupling. 3,830,523, 8-20-74, Cl. 280-434.000.

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Moriguchi, Shigeru; Takeuchi, Tetsuo; and Saito, Yuzi, to Mitsui Shipbuilding and Engineering Co., Ltd. Apparatus for feeding flanges. 3,855,687, 12-24-74, Cl. 29-211.00c.

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Moriguti, Kazuo; Yokoi, Nobuyasu; and Yamaguchi, Yukio, to Hitachi, Ltd. Operating apparatus for guide vanes of hydraulic machine. 3,799,689, 3-26-74, Cl. 415-26.000.

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Morikawa, Eiji; Kodama, Kenkichi; Tanaka, Tokuji; Fukatsu, Hisayoshi; and Enokida, Shizuo, to Sankyo Company Limited. Method of making bread of high sugar content. 3,830,938, 8-20-74, Cl. 426-18.000.

Morikawa, Hiroichi; Nagahashi, Keiichi; and Aizawa, Tatsuo, to Mita Industrial Company, Ltd. Liquid developer for electrophotography. 3,821,113, 6-28-74, Cl. 252-62.100.

Morikawa, Hiroyuki, to Mitsubishi Petrochemical Company Limited. Production of cyclic trimers of 1,3-dienes. 3,823,196, 7-9-74, Cl. 260-666.00b.

Morikawa, Hiroyuki; Tamura, Noriyoshi; Sato, Takahiro; Yamagishi, Kazuo; and Nagai, Taken, to Mitsubishi Petrochemical Company Limited. Production of cyclododecatriene. 3,843,738, 10-22-74, Cl. 260-666.00b.

Morikawa, Naotake: *See—*
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Morikawa, Takashi; Watanabe, Moriichi; and Matano, Mikio, to Daiwa Boseki Kabushiki Kaisha and Nogoya Kinzoku Shinpu Kabushiki Kaisha. High speed carding engine. 3,792,509, 2-19-74, Cl. 19-105.000.

Morikawa, Tamio: *See—*
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Morimoto, Akira; Kariyone, Kazuo; Kurita, Masaru; Hashimoto, Masashi; and Nishiwaki, Osamu, to Fujisawa Pharmaceutical Co., Ltd. 3-Substituted-thiomethyl-3-cephem-4-carboxylic acid derivatives. 3,819,621, 6-25-74, Cl. 260-243.00c.

Morimoto, Akira; Takasugi, Hisashi; Nakai, Yoshiharu; and Watababe, Takao, to Fujisawa Pharmaceutical Co., Ltd. 3-Substituted-2-piperidinethiones and homologues thereof. 3,823,152, 7-9-74, Cl. 260-293.690.

Morimoto, Hiroshi; Watanabe, Masazumi; and Imada, Isuke, to Takeda Chemical Industries, Ltd. 4-Hexenoic compounds. 3,825,584, 7-23-74, Cl. 260-484.00r.

Morimoto, Hiroshi; Watanabe, Masazumi; Imada, Isuke; and Nishikawa, Masao, to Takeda Chemical Industries, Ltd. Quinone derivatives. 3,849,453, 11-19-74, Cl. 260-396.00r.

Morimoto, Kazuhisa: *See—*
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Morimoto, Naoki, to Fujitsu Limited. Character recognizing system. 3,852,715, 12-3-74, Cl. 340-146.30z.

Morimoto, Yoshinobu: *See—*
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Morimoto, Yoshiro; and Suzuki, Kunihiko, to Nissan Motor Company, Limited. Automotive transmission gear shifting mechanism. 3,815,436, 6-11-74, Cl. 74-476.000.

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Morin, Albert Z. Method of and apparatus for reducing pollution caused by exhaust gases of an internal combustion engine. 3,831,377, 8-27-74, Cl. 60-274.000.

Morin, Benoit L., to Morard Pulpwood Company Limited. Apparatus and method for delimbing felled trees. 3,805,858, 4-23-74, Cl. 144-2.00z.

Morin, Daniel Louis: *See—*
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Morin, Gerard, to Societe Anonyme D.B.A. Constant-velocity joint. 3,831,400, 8-27-74, Cl. 64-21.000.

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Morin, Leo G.; and Prox, Jerome R., to Medico Electronic, Inc., mesne. Method and reagent for uric acid determination. 3,822,115, 7-2-74, Cl. 23-230.00b.

Morin, Leo G., to Medico Electronic, Inc., mesne. Reagent and method for calcium determination. 3,822,116, 7-2-74, Cl. 23-230.00b.

Morin, Leo G., to Medico Electronic Inc., mesne. Reagent and method for bilirubin determination. 3,825,411, 7-23-74, Cl. 23-230.00b.

Morin, Leo G.; and Prox, Jerome R., to Medico Electronic, Inc., mesne. Reagent and method for phosphorus determination. 3,853,469, 12-10-74, Cl. 23-230.00b

Morin, Leo G.; and Prox, Jerome R., to Medico Electronic, Inc., mesne. Reagent and method for glucose determination. 3,853,470, 12-10-74, Cl. 23-230.00b.

Morin, Leo G.; and Prox, Jerome R., to Medico Electronic, Inc., mesne. Reagent and method for urea determination. 3,853,473, 12-10-74, Cl. 23-230.00b.

Morin, Louis F., to Everflex Products, Inc. Flexible hose coupling and swivel nut connector assembly. 3,820,825, 6-28-74, Cl. 285-39.000.

Morin, Louis F.; and McNeil, Edgar L., to Everflex Products, Inc. Reinforced convoluted tubing of polytetrafluoroethylene. 3,857,415, 12-31-74, Cl. 138-122.000.

Morin, Philip J. Automotive voltage and continuity tester. 3,829,763, 8-13-74, Cl. 324-51.000.

Morin, Pierre: *See—*
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Morinok Yukio, to Seiko Koki Kabushiki Kaisha. Interlock mechanism interlocking camera shutter with a double-frame film advance prevention apparatus. 3,829,874, 8-13-74, Cl. 354-204.000.

Morio, Minoru; and Awata, Yoriyoshi, to Sony Corporation. Deflection yoke for use on cathode ray tube. 3,784,859, 1-8-74, Cl. 313-75.000.

Morio, Minoru, to Sony Corporation. Signal discriminating circuit. 3,839,649, 10-1-74, Cl. 307-233.00a.

Morio, Minoru; Nakagawa, Yutaka; and Suzuki, Masao, to Sony Corporation. Dynamic convergence circuit. 3,840,771, 10-8-74, Cl. 315-13.00c.

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Morisaki, Nobukazu, to Daido Metal Company, Ltd. Tin based white metal bearing alloys producing good bond with backing material. 3,827,884, 8-6-74, Cl. 75-175.00a.

Morisaki, Nobukazu, to Daido Metal Company Ltd. Sliding bearing member. 3,852,203, 12-3-74, Cl. 252-12.000.

Morisaki, Toshikazu; and Tachimoto, Kazuo. Apparatus for continuous processing of sulfide ores and apparatus therefor. 3,822,871, 7-9-74, Cl. 266-11.000.

Morisawa, Takao: *See—*
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Morisawa, Takao, to Mitsubishi Petrochemical Company Limited. Corrosion resistant processing. 3,819,556, 6-25-74, Cl. 260-29.6ps.

Morisawa, Takao, to Mitsubishi Petrochemical Company Limited. Process for preparing shaped product made of inorganic-organic composite material. 3,836,504, 9-17-74, Cl. 260-42.550.

Morishige, Toshinori, to Starting Industry Company Limited. Cord winding device. 3,834,645, 9-10-74, Cl. 242-107.700.

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Morishita, Hajime; Hirai, Takako; and Nonogaki, Saburo, to Hitachi, Ltd. Stabilized cathode ray-sensitive coating film. 3,801,538, 4-2-74, Cl. 260-45.90r.

Morishita, Hirosada; Sasaki, Ryusei; Sakashita, Kiyoshi; and Yasui, Eiji, to Hitachi, Ltd. Printed circuit plate. 3,801,427, 4-2-74, Cl. 161-162.000.

Morishita, Masao, to Howa Sangyo Kabushiki Kaisha. Door holder. 3,797,871, 3-19-74, Cl. 292-209.000.

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Morita, Eiichi, to Monsanto Company. Treating rubber to enhance fiber bonding. 3,816,361, 6-11-74, Cl. 260-3.000.

Morita Fire Pump Mfg. Co., Ltd.: *See—*
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Morita, Hideo: *See—*
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Morita, Katsuo; Hashimoto, Sadao; and Miyamoto, Horoshi, to Bridgestone Tire Company Limited and Hakodate Geimo Sengu Kabushiki Kaisha. Safety device for ship. 3,822,662, 7-9-74, Cl. 114-123.000.

Morita, Koh; and Ishii, Teiji, to Chisso Corporation. Vacuum metallized polyolefins. 3,783,012, 1-1-74, Cl. 117-107.000.

Morita, Koiti: *See—*
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Morita, Koji; and Sato, Tadashi, to Sony Corporation. Channel selecting control system for television tuner. 3,849,731, 11-19-74, Cl. 325-464.000.

Morita, Masamichi; and Ohta, Kihachiro, to Nippon Steel Chemical Co., Ltd. Catalyst compositions containing vanadium and boron. 3,806,469, 4-23-74, Cl 252-432.000.

Morita, Masayuki; and Marui, Yoshitaka, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Device for automatically compensating disconnection in head lamps. 3,814,984, 6-4-74, Cl. 315-83.000

Morita, Robert Y. Jar lid remover. 3,795,158, 3-5-74, Cl. 81-3.320.

Morita, Shigeru: *See—*
Ohta, Kazuo; Kurita, Kentaro; and Morita, Shigeru, 3,820,048.

Morita, Shinichi: *See—*
Izumida, Tatsuo; Watanabe, Yasuo; and Morita, Shinichi, 3,808,585.

Morita, Tetsuro: *See—*
Iizuka, Yoshio; and Morita, Tetsuro, 3,790,894.

Morita, Tomijiro: *See—*
Onozuka, Mitsuo; Nomoto, Koki; Iida, Kinji; and Morita, Tomijiro, 3,848,070.
Morita, Tomijiro; Funabashi, Isao; and Sugai, Masayoshi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Production of gypsum from combustion exhaust gas. 3,840,638, 10-8-74, Cl. 423-166.000.

Morita, Toshimitsu; and Kawachi, Jyousuke, 1/2 to U.S. Industries, Inc. and Hitachi Shipbuilding and Engineering Co., Ltd. Slide driving linkage for metal forming press. 3,822,603, 7-9-74, Cl. 74-38.000.

Morita, Yasuyuki, to Toyo Kogyo Co., Ltd. Cold starting device for use in an internal combustion engine. 3,827,417, 8-6-74, Cl. 123-127.000

Morita, Yoshiharu; Kikumoto, Ryoji; Ohba, Hiroshi; Nakamura, Akio; Fukuda, Kaoru; and Nomura, Tatsuo, to Mitsubishi Chemical Industries Limited. Process for preparing 2-substituted-3,4-dihydro-2H-pyrans. 3,816,465, 6-11-74, Cl. 260-345.100.

Morita, Yoshio. Fire disaster prevention system and a method to prevent loss of life. 3,818,635, 6-25-74, Cl. 49-2.000.

Morita, Yoshio. Remotely controlled latch system for fire doors and the like. 3,829,138, 8-13-74, Cl. 292-254.000.

Moritaka, Shintaro: *See—*
Misaki, Masaru; Tsujimoto, Yukizo; Nakagawa, Tatuo; Sukenari, Junko; and Moritaka, Shintaro, 3,857,975.
Sawada, Koshichi; Moritaka, Shintaro; Nakao, Yukihiro; and Yasumatsu, Katsuharu, 3,806,611.

Moritake, Mitsuru: *See—*

Ueda, Kozo; Kimoto, Jitsumi; and Moritake, Mitsuru, 3,835,024.

Moritan, Norishige; Moriya, Ikuro; Ura, Junichi; and Koono, Makoto, to Victor Company of Japan, Ltd. Tape auto-loading recording and reproducing apparatus. 3,784,761, 1-8-74, Cl. 179-100.2za.

Moritz, Donald B.; Wilson, David O.; and Mueller, Francis B., to Waco Scaffold & Shoring Co. Shoring scaffold and formwork support. 3,797,793, 3-19-74, Cl. 248-295.000.

Moritz, Hans C.; and Schwarz, Robert, to United States of America, Department of Transportation. Hydraulic impact absorbing bumper. 3,834,686, 9-10-74, Cl. 267-116.000.

Moritz, Jules G., to Microform Data Systems, Inc. Film strip reader. 3,809,468, 5-7-74, Cl. 353-26.000.

Moritz, Konrad: *See*—
Fries, Paul; and Moritz, Konrad, 3,792,318.

Moritz, Rolf: *See*—
Folkens, Dieter; and Moritz, Rolf, 3,788,214.

Moritz, Scott N.; Polley, Eugene; and Puls, Werner H., to Zenith Radio Corporation. Video disc cutting using pressurized air to control depth of grooves. 3,835,262, 9-10-74, Cl. 179-100.40c.

Moritz, Werner, to Kabelschlepp Gesellschaft mit beschrankter Haftung. Link structure for chains for supporting and guiding energy conveying conductors. 3,848,407, 11-19-74, Cl. 59-78.100.

Morival, Genevieve; and Hebert, Remy, to Societe Anonyme dite: Aquitaine Total Organico Tour Aquitaine. Process for the polymerization of dodecalactame in the presence of boric acid. 3,823,105, 7-9-74, Cl. 260-18.00n.

Morival, Genevieve, to Societe Anonyme dite: Aquitaine Total Organico Tour Aquitaine. Process for the polymerization of lactames allowing substances affected by high temperatures to be added during polymerization. 3,846,357, 11-5-74, Cl. 260-18.00n.

Moriwaki, Keikichi: *See*—
Gejyo, Tetuo; Saito, Tadashi; Minagawa, Shigekazu; Moriwaki, Keikichi; Otsuka, Kanji; and Sugawara, Katsuro, 3,796,598.

Moriya, Hisanori: *See*—
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Moriya, Ikuro: *See*—
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Moriya, Kazuo: *See*—
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Moriya, Kazuo; and Suzuki, Isao, to Toyoda Koki Kabushiki Kaisha. Measuring system for roundness of workpiece. 3,846,916, 11-12-74, Cl. 33-174.00q.

Moriya, Nobuyoshi, to Mansei Kogyo Kabushiki Kaisha. Cigarette lighter. 3,813,206, 5-28-74, Cl. 431-143.000.

Moriya, Nobuyoshi, to Mansei Kogyo Kabushiki Kaisha. Liquefied gas fueled lighter. 3,832,126, 8-27-74, Cl. 431-131.000.

Moriya, Nobuyoshi, to Mansei Kogyo Kabushiki Kaisha. Ignition device. 3,832,127, 8-27-74, Cl. 431-344.000.

Moriya, Sakai; Suzuki, Shoji; and Kurio, Noriyuki, to Nippon Piston Ring Co., Ltd. Oil seal device for rotary piston internal combustion engine. 3,797,976, 3-19-74, Cl. 418-142.000.

Moriya, Takao: *See*—
Hinoshita, Shigehiko; Minejima, Yukihiko; and Moriya, Takao, 3,840,698.

Moriya, Takeshi. *See*—
Harada, Takeo; Moriya, Takeshi; and Wakasa, Rikichi, 3,799,770.

Moriya, Yoshiro; Kawamoto, Takamichi; Tanaka, Hiroshi, and Ueno, Tsutomu, to Industrial Science & Technology Agency of. Silver halide containing variable-transmittance borosilicate glass. 3,795,523, 3-5-74, Cl. 106-54.000.

Moriyama, Hiroaki; Yamamoto, Hisao; Inaba, Shigeho; and Nagata, Hideo, to Sumitomo Chemical Company, Ltd. Process for producing benzodiazepine derivatives. 3,817,984, 6-18-74, Cl. 260-239.0bd.

Moriyama, Hiroaki; Yamamoto, Hisao, Inaba, Shigeho, Nagata, Hideo; and Tamaki, Toshio, to Sumitomo Chemical Company, Ltd. Process for preparing acylphenoxyaliphatic acid derivatives. 3,833,648, 9-3-74, Cl. 260-520.000.

Moriyama, Inao; and Toyama, Masamichi, to Canon Kabushiki Kaisha. Release switch device for a camera. 3,825,941, 7-23-74, Cl. 354-266.000.

Moriyama, Kazuyoshi, to Hitachi, Ltd. Electric machine with flywheel-fan. 3,838,301, 9-24-74, Cl. 310-60.000.

Moriyama, Kazuyoshi, to Hitachi, Ltd. Vortex blower. 3,844,674, 10-29-74, Cl. 415-53.00t.

Moriyama, Munetaka, to Xerox Corporation. Fixing unit for use in a duplicating apparatus. 3,833,794, 9-3-74, Cl. 219-802.000.

Moriyama, Yasuhiro; Mito, Yasuo, Takamizawa, Minoru; and Gomyo, Shiro, to Nitto Electric Industrial Co., Ltd. Adhesive tapes and a process for the preparation thereof. 3,839,075, 10-1-74, Cl. 117-76.00a.

Morjan, Jean, to Etablissements J. B. Gabriels S.P.R.L. Metallic packages for the distribution of beer under pressure. 3,819,084, 6-25-74, Cl. 220-64.000.

Mork, Halbert Louis, to TRW Inc. Attitude stabilization system. 3,813,067, 5-28-74, Cl. 244-3.220.

Morkes, Jakob, to Alfa-Laval AB. Filter for liquids. 3,782,556, 1-1-74, Cl. 210-409.000.

Morkoski, James; and Garriott, Louis B., Jr., to International Harvester Company. Power adjustable tractor wheels. 3,847,441, 11-12-74, Cl. 301-9.0tv.

Morland, Jean-Pierre Julien: *See*—
Denis, Jean Francois; Dzalba-Lyndis, Serge Yvan; Fremont, Maurice Henri Louis; Krajewski, Edward; and Morland, Jean-Pierre Julien, 3,787,657.

Morlet, Jean Georges: *See*—
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Morley, Charles Gordon; Stevenson, Basil Charles James; Bedder, Llewllyn James; and Wells, Arthur Henry, to Lucas Aerospace Limited. Turbine with lubricant tanks in centre body and housing. 3,810,528, 5-14-74, Cl. 184-6.110.

Morley, Douglas, to August's Limited. Milling machines. 3,848,816, 11-19-74, Cl. 241-74.000.

Morley Furniture Spring Corporation: *See*—
Crosby, Lawton H., 3,790,149.

Morley, Peter I.: *See*—
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Morley Studios: *See*—
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Morlock, Gerhard: *See*—
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Morman, Raymond A.; and Noyes, Russell L., Jr., to Kimberly-Clark Corporation. Tampon applicator. 3,807,399, 4-30-74, Cl. 128-263.000.

Mormile, Wayne T.: *See*—
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Mormino, Vittorio: *See*—
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Mornet, Philippe: *See*—
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Morningstar, Leroy Jack, to AMP Incorporated. Jackscrew retainer. 3,853,381, 12-10-74, Cl. 339-92.00m.

Morningstar, Marion G., to Goodrich, B. F., Company, The. Internally coated reaction vessel and process for coating the same. 3,849,179, 11-19-74, Cl. 117-97.000.

Moro, Dominik J., to American Chain & Cable Company, Inc. Apparatus for positioning journal assemblies in pulverizers. 3,818,567, 6-25-74, Cl. 29-200.00d.

Moroff, Helmut; and Neumann, Helmut, to Rohm GmbH. Method for treating paper with mixed thermoplastic and thermosetting acrylic resins and products thereof. 3,853,594, 12-10-74, Cl. 117-64.00r.

Morohashi, Tadao, to NCR Corporation. Plural high-speed printing apparatus. 3,850,098, 11-26-74, Cl. 101-93.00c.

Moroi, Reimei: *See*—
Yamamura, Yuichi; Fujii, Setsuro; Okano, Atsuji; Hirata, Miyoshu; Abiko, Yasushi; Inaoka, Masato; Moroi, Reimei; Iwamoto, Masahiro; Funabachi, Shoichi; and Naito, Takeo, 3,793,292.

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Morokoshi, Hiroshi, to Yamaai Seisakusho Co., Ltd. Braking device for a driven shaft. 3,844,387, 10-29-74, Cl. 188-187.000.

Morokuma, Tadashi; and Kazawa, Tokujiro, to Olympus Optical Co., Ltd. Multilayer reflection proof film. 3,804,491, 3-16-74, Cl. 350-164.000.

Moroney, Bernard M.: *See*—
Shannon, Charles G.; Moroney, Bernard M.; and Neal, Jack R., 3,798,957.

Morong, William H., Jr., to General Electric Company. Lag adjustment means for a watthour meter. 3,790,888, 2-5-74, Cl. 324-138.000.

Moroni Corporation: *See*—
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Moroto, Kaoru; and Suzuki, Isao, to Zenkosha Tokie Kabushiki Kaisha. Time delay switch device. 3,819,885, 6-25-74, Cl. 200-35.00r.

Morova, Michael A.: *See*—

Alhritton, George W.; Wendt, Ronald C.; and Morova, Michael A., 3,785,558.

Moroz, Ilya Alexandrovich: *See*—
Antonenko, Grigory Semenovich; Badamian, Avetik Artashesovich; Margulis, Grigory Borisovich; Moroz, Ilya Alexandrovich; and Shitsman, Mikhail Borisovich, 3,835,689.

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Moroz, Vitaly Iosifovich: *See*—
Semenov, Nikolai Nikolaevich; Gussak, Lev Abramovich; Boboley, Vasily Konstantinovich; Unxov, Evgeny Pavlovich; Astafiev, Anatoly Alexandrovich; Khazanov, Mikhail Semenovich; Moroz, Vitaly Iosifovich; Baranovsky, Leonid Semenovich; Afanasiev, Viktor Vasilivich; and Zubov, Ivan Petrovich, 3,802,827.

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Morozov, Vyacheslav Vyacheslavovich. Device for air distribution in premises. 3,812,770, 5-28-74, Cl. 98-40.00d.

Morozowich, Walter, to Upjohn Company, The. Derivatives of thiolincosaminide compounds. 3,853,843, 12-10-74, Cl. 260-210.00r.

Morozowich, Walter, to Upjohn Company, The. Prostaglandin F type 9-monoacrylates. 3,853,963, 12-10-74, Cl. 260-488.00r.

Morozumi, Eiichi. *See*—
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Morphis, Charles W., and Hilburn, Bennie D., to Mead Corporation, The. Tools for joining of disconnecting pipes. 3,787,951, 1-29-74, Cl. 29-237.000.

Morre, MacDonald S. Carrier for interchangeable camera lenses. 3,828,991, 8-13-74, Cl. 224-5.00v.

Morreale, Anthony P., to Computer Devices Corporation. Apparatus for damping oscillations in a stepping motor. 3,790,831, 2-5-74, Cl. 310-94.000.

Morrell, Albert E. Valve fitting with valve actuating sealing means. 3,844,530, 10-29-74, Cl. 251-149.600.

Morrell, Albert M. Shadow mask mounting assemblies. 3,803,436, 4-9-74, Cl. 313-85.00s.

Morrell, Albert Maxwell, to RCA Corporation. Methods of manufacture of color picture tubes. 3,788,848, 1-29-74, Cl. 96-36.100.

Morrell, Albert Maxwell; and Van Hekken, Frans, to RCA Corporation. Correcting lens. 3,811,754, 5-21-74, Cl. 350-189.000.

Morrell, John Anthony: *See*—
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Morrell, Ronald Joseph; Gumb, Bev William; Laing, Graham Sterling; and Cogan, Frederick Thomas, to Bell-Northern Research Ltd. Telephone sets and removable covers therefore. 3,838,229, 9-24-74, Cl. 179-100.00d.

Morrell, Ronald Joseph, Laing, Graham Sterling, and Gumb, Bev William, said Laing assor. to Bell-Northern Research, Ltd. and said Morrell & Gumb assors. to Northern Electric Company Limited. Mounting for telephone dials. 3,839,605, 10-1-74, Cl. 179-178.000.

Morrell, Ronald Joseph, Thompson, Joseph, Hemming, Raymond Charles; and Main, Henry Allan, to Northern Electric Company Limited. Coin telephone with separate cosmetically attractive cover. 3,846,594, 11-5-74, Cl. 179-179.000.

Morrell, Thomas H.: *See*—
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Morren, George J.: *See*—
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Morren, George J., and Berndt, Neil R., to Speidel Foundation & Marine, Inc. Self-supporting wall. 3,820,343, 6-28-74, Cl. 61-35.000.

Morresi, Nello; and Villa, Egidio. Sound-absorbing panel for air-conditioning ducts and the like. 3,814,208, 6-4-74, Cl. 181-33.00g.

Morrett, James A., Jr. Vehicle redirection configuration. 3,820,910, 6-28-74, Cl. 404-6.000.

Morrette, Richard A.: *See*—
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Morrill, Charles D.; Herd, David P.; and Childers, Thomas W., to Esso Production Research Company. Clamp connectors. 3,843,168, 10-22-74, Cl. 285-24.000.

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Morrill, Robert J.: *See*—
Diersing, Raymond A.; Morrill, Robert J., and Stanback, Harris L., 3,787,713.

Morrill, Vaughan, Jr., to Morex, Inc. Reed switches and process for making them. 3,794,944, 2-26-74, Cl. 335-154.000.

Morris, Allan: *See*—
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Morris, Arthur: *See*—
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Brooks, Eric Howard; and Morris, Arthur, 3,817,931.
Jackson, Peter Frederick; and Morris, Arthur, 3,847,873.

Morris, Arthur; and Thomas, Hugh, to Imperial Chemical Industries Limited. Transition metal compositions. 3,816,340, 6-11-74, Cl. 252-430.000.

Morris, Billy D. Adjustable static pressure or vacuum source and indicator. 3,831,431, 8-27-74, Cl. 73-4.00r.

Morris, Carrol V., to Snorkel Fire Equipment Company. Fire-fighting apparatus and elongate cantilever boom assembly therefor. 3,789,869, 2-5-74, Cl. 137-351.000.

Morris, Charles W.: *See*—
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Morris, David E., and Smith, Francis R., to Pennwalt Corporation. Monoalkylation of urea. 3,847,981, 11-12-74, Cl. 260-553.00r.

Morris, Donald E.: *See*—
Forster, Denis; and Morris, Donald E., 3,816,490.

Morris, Douglas Barrett. *See*—
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Morris, Earl L., and Sally, Theodore J. Tamper-proof, fluid flow control system. 3,785,396, 1-15-74, Cl. 137-359.000.

Morris, Earl L.; and Sally, Theodore J., to Acorn Engineering Company. Relievable hanger for clothing and the like. 3,847,336, 11-12-74, Cl. 248-294.000.

Morris, Earl L.; and Sally, Theodore J., to Acorn Engineering Company. Drain with captive vandal-proof stopper. 3,849,809, 11-26-74, Cl. 4-295.000.

Morris, Earl L.; and Sally, Theodore J., to Acorn Engineering Company. Waste drain connection for plumbing fixtures. 3,855,649, 12-24-74, Cl. 4-252.00r.

Morris, Earl Lavern, to Acorn Engineering Company. Modular plumbing fixture combination. 3,852,834, 12-10-74, Cl. 4-146.000.

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Morris, Floyd D.; and Rich, Barry S., to Ultronic Systems Corporation. Data processing printout system. 3,805,248, 4-16-74, Cl. 340-172.500.

Morris, Floyd D.; and Rich, Barry, S., to Ultronic Systems Corporation. Data processing apparatus for a printing system. 3,805,251, 4-16-74, Cl. 340-172.500.

Morris, Floyd D.; and Rich, Barry S., to Ultronic Systems Corporation. Full message erase apparatus for a data processing printout system. 3,805,252, 4-16-74, Cl. 340-172.500.

Morris, Floyd D.; and Rich, Barry S., to Ultronic Systems Corporation. Storage and space availability apparatus for a data processing printout system. 3,810,109, 5-7-74, Cl. 340-172.500.

Morris, George Douglas. Inflatable weather shield. 3,802,451, 4-9-74, Cl. 135-20.00b.

Morris, George O., 1/2 to Offenhauser, Fred C. Internal combustion engine manifold. 3,809,032, 5-7-74, Cl. 123-52.00m.

Morris, George Oswald, to Imperial Chemical Industries Limited. Recovery of hydrogen fluoride. 3,798,875, 3-26-74, Cl. 55-22.000.

Morris, George R., to Ford Motor Company. Automatic clearance adjuster for clutch bearing. 3,800,929, 4-2-74, Cl. 192-99.00s.

Morris, George R., to Ford Motor Company. Integral adjustment clutch fork. 3,848,479, 11-19-74, Cl. 74-522.000.

Morris, Grant L.: *See—*
Green, William J.; and Hepworth, Cloyd (said Green assor. to). 3,830,434.

Morris, Harold B., to Seismic Logs, Inc. Geophone treatment. 3,813,744, 6-4-74, Cl. 29-25.350.

Morris, Harold D., to Systron-Donner Corporation. Pivot mechanism with electronic dither circuit. 3,797,321, 3-19-74, Cl. 73-517.00b.

Morris, Harold H. Stabilizer for a shoe. 3,844,054, 10-29-74, Cl. 36-91.000.

Morris, Herbert R.: *See—*
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Morris, Horton H.; and Prescot, Paul I., to Freeport Minerals Company. Process for producing an opaque inorganic-organo titanate polymeric film. 3,804,937, 4-16-74, Cl. 264-211.000.

Morris, Horton Harold; Drexel, Richard Jacob, Jr.; and Turner, Kenneth Lamar, to Freeport Minerals Company. Adhesive. 3,804,653, 4-16-74, Cl. 106-124.000.

Morris, Howard W.: *See—*
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Morris, Hugh C., to Caterpillar Tractor Company. Transmission and speed controlled lock-up clutch. 3,857,302, 12-31-74, Cl. 74-733.000.

Morris, Jack, to Olin Corporation. Method of fabricating a metal tubular heat exchanger having internal passages therein. 3,831,246, 8-27-74, Cl. 29-157.30u.

Morris, James Allen: *See—*
Stout, Lilburn Grady; Butler, Robert F.; and Morris, James Allen, 3,793,957.

Morris, James C. Friction keepers for wheels and structures utilizing them. 3,809,435, 5-7-74, Cl. 301-112.000.

Morris, James J.: *See—*
Sweeney, Thomas E.; Schweizer, William S.; and Morris, James J., 3,790,106.

Morris, Jerome R.: *See—*
O'Keeffe, Terence W.; and Morris, Jerome R., 3,799,777.

Morris, Joe P.: *See—*
Archer, David H.; Brecher, Lee E.; Morris, Joe P.; Talko, Francis; and Taylor, Herbert L., 3,811,936.

Morris, John, Company, Inc.: *See—*
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Morris, John Henry, to Baltimore Aircoil Company, Inc. Centrifugal fan wheel blades and methods for spinning centrifugal fan wheels incorporating said blades. 3,844,682, 10-29-74, Cl. 416-178.000.

Morris, Joseph P.: *See—*
Dunn, Ralph; Ayton, Ian F.; Cane, Albert; Collins, Harold B.; Lewis, J. Stephen; Morris, Joseph P.; and Shapero, Wallace H., 3,834,974.

Morris, Leo: *See—*
Reiners, Robert A.; Pressick, John C.; and Morris, Leo, 3,840,515.

Morris, Leo R., to Dow Chemical Company, The. (Polyhaloalkyl) vinylbenzonitrile compounds. 3,816,504, 6-11-74, Cl. 260-465.00g.

Morris Limited: *See—*
Stoltz, Andries Johannes, 3,782,047.

Morris, Louis, Jr.: *See—*
White, Dale; and Morris, Louis, Jr., 3,810,058.

Morris, Louis, Jr.; Slanina, Donald R.; and Seidel, Martin P., to Westinghouse Electric Corporation. Electrical inductive apparatus having rigid foam supporting members and methods of providing same. 3,783,426, 1-1-74, Cl. 336-196.000.

Morris, Louis P., to Robertshaw Controls Company. Plural rate burner apparatus. 3,802,829, 4-9-74, Cl. 431-353.000.

Morris, Marion H. Automatic load monitoring and transfer circuit. 3,790,846, 2-5-74, Cl. 315-91.000.

Morris, Max: *See—*
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Morris, Michael: *See—*
Allen, William Douglas; and Morris, Michael, 3,842,293.

Morris, Myron J.: *See—*
Deebel, George F.; Doden, Bernard M.; and Morris, Myron J., 3,851,191.

Morris, Myrtle Ellen. Self-lining handbag or the like. 3,826,296, 7-30-74, Cl. 150-3.000.

Morris, Peter Alan: *See—*
Cooper, John Leslie Edward; and Morris, Peter Alan, 3,804,758.

Morris, Philip Henry, to Wadkin Limited. Rotary cutter for woodworking and similar machines. 3,791,429, 2-12-74, Cl. 144-218.000.

Morris, Philip, Incorporated: *See—*
Begemann, Carl J., 3,809,227.
Braginetz, Paul A., 3,822,781.
Braginetz, Paul A., 3,827,597.
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Rainer, Norman B.; and Full, Donald A., 3,784,490.
Stevens, William Henry, II, 3,857,178.
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Morris, Robert: *See—*
Hammond, Ronald Wayne; Morris, Robert; Powondra, Richard Joseph; and Ross, Alexander Robert, 3,804,991.

Morris, Robert T.: *See—*
Boisen, Martin H.; Crevar, Steve, Jr.; and Morris, Robert T., 3,797,635.

Morris, Robert V., to Standard Oil Company. Polymerization catalyst and process using a chloride treated supported molybdenum oxide. 3,793,263, 2-19-74, Cl. 260-88.20r.

Morris, Ronald Meredith: *See—*
Bishop, David Paul; and Morris, Ronald Meredith, 3,847,915.

Morris, Ronald P. Non-interfering golf tee. 3,782,723, 1-1-74, Cl. 273-33.000.

Morris, Terence Roy; and Todd, Francis. Fishing line transfer device. 3,799,471, 3-26-74, Cl. 242-84.10r.

Morris, Thomas H.; and Wu, Tao-Yuan, to Ford Motor Company. Engine spark timing system control. 3,810,452, 5-14-74, Cl. 123-117.00a.

Morris, Walter Eugene: *See—*
Grillo, Thomas A.; and Morris, Walter Eugene, 3,807,702.

Morris, Wesley F. Model airplane timing mechanism. 3,822,503, 7-9-74, Cl. 46-244.00b.

Morris, William F., Jr. Cube ice separator and screening apparatus. 3,788,566, 1-29-74, Cl. 241-73.000.

Morris, William F., Jr. Cube ice storage bin with disturber bars. 3,825,158, 7-23-74, Cl. 222-238.000.

Morris, William John: *See—*
McNeight, David L.; and Morris, William John, 3,827,228.

Morris, Wolford A. Food fryer with continuously filtered cooking oil. 3,797,378, 3-19-74, Cl. 99-408.000.

Morris, Wolford A. Food fryer with continuously filtered cooking oil. 3,849,309, 11-19-74, Cl. 210-143.000.

Morrise, Jesard: *See—*
Peterson, C. Lynn; and Morrise, Jesard, 3,825,125.

Morrisett, O. L.; and Baker, Eugene E., to Halliburton Company. Dual sleeve multiple stage cementer and its method of use in cementing oil and gas well casing. 3,811,500, 5-21-74, Cl. 166-154.000.

Morrisett, O. L.; and Boehm, Gail M., to Halliburton Company. Oil well cementing plug. 3,842,905, 10-22-74, Cl. 166-155.000.

Morrisey, Edward J., to United States of America, Air Force. Foam structured rocket dispenser. 3,841,197, 10-15-74, Cl. 89-1.816.

Morrish, William P.: *See—*
Engelhart, John M.; and Morrish, William P., 3,835,481.

Morrison, Albert R.; and Haynes, Harold L., to Owens-Corning Fiberglas Corporation. Coated glass fibers. 3,793,065, 2-19-74, Cl. 117-126.0gq.

Morrison, Alexander McKenzie; and Brown, Charles Leslie Meredith, to Wigglesworth Limited. Bactericidal veterinary compositions. 3,830,920, 8-20-74, Cl. 424-258.000.

Morrison, Alexander Robert. Greeting card display device. 3,797,149, 3-19-74, Cl. 40-124.200.

Morrison, Alexander Robley. Grain-refining compounds. 3,813,302, 5-28-74, Cl. 148-6.15r.

Morrison, Alexander Robley, to Dulux Australia Ltd. Conversion coating on metal. 3,837,928, 9-24-74, Cl. 148-6.15z.

Morrison, Andrew I.; and Hannah, Bruce R., to Knoll International, Inc. Upholstered item of furniture and cushion assembly. 3,807,800, 4-30-74, Cl. 297-452.000.

Morrison, Andrew I.; and Hannah, Bruce R., to Knoll International, Inc. Cushion connection. 3,856,353, 12-24-74, Cl. 297-452.000.

Morrison, Bert L.: *See—*
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Morrison, Bradley W., to Ogilvie Flour Mills Company Limited, The. Zero fermentation bread process. 3,818,108, 6-18-74, Cl. 426-25.000.

Morrison, Charles F., Jr., to Valleylab, Inc. Switching means for an electro-surgical device including particular contact means and particular printed-circuit mounting means. 3,801,766, 4-2-74, Cl. 200-157.000.

Morrison, Charles F., Jr., to Valleylab Inc. Combined electrcoagulator-suction instrument. 3,828,780, 8-13-74, Cl. 128-275.100.

Morrison, Charles R., to Truck-Lite Company, Inc. License plate lamp assembly. 3,811,042, 5-14-74, Cl. 240-7.10r.

Morrison, David J., to Schering Corporation. Automated system and method for filling containers with viscous materials. 3,811,483, 5-21-74, Cl. 141-1.000.

Morrison, Douglas I.: *See—*
Miciukiewicz, Joseph P.; Morrison, Douglas I.; Pollak, Philip, Jr.; and Ross, William A., 3,797,347.
Miciukiewicz, Joseph F.; Pollak, Philip, Jr.; Morrison, Douglas I.; and Ross, William A., 3,797,931.

Morrison, Douglas I.; and Williamson, Robert J., Jr., to Pitney-Bowes, Inc. Elevatable paper supply mechanism. 3,807,267, 4-30-74, Cl. 83-436.000.

Morrison, Gary L.: *See—*
Safiuddin, Mohammed; and Morrison, Gary L., 3,814,310.

Morrison, George W.: *See—*
George, Robert D.; Banner, Alvin D.; and Morrison, George W., 3,857,172.

Morrison, Glenn C.; and Cetenko, Wiaczeslaw A., to Warner-Lambert Company. 1,2,3,4-Tetrahydro-3-aminomethylisoquinolines. 3,836,536, 9-17-74, Cl. 260-286.00r.

Morrison, H. Frank, to University of California, The Regents of the. Electromagnetic device for determining the conductance of a nearby body by a single supercooled inductor coil. 3,836,841, 9-17-74, Cl. 324-5.000.

Morrison, Harry D.: *See—*
United States of America, National Aeronautics and Space Administration, 3,856,534.

Morrison, Heber J., to Westinghouse Electric Corporation. Square wave driven power amplifier. 3,815,030, 6-4-74, Cl. 328-27.000.

Morrison, Howard J.: *See—*
Glass, Marvin I.; Morrison, Howard J.; and Kaelin, Bette M., 3,791,662.
Glass, Marvin I.; and Morrison, Howard J., 3,797,831.
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Morrison, Howard J.; and Nix, Donald Frederick, to Glass, Marvin, & Associates. Missile actuated target lever. 3,788,643, 1-29-74, Cl. 273-102.10g.

Morrison, Howard J., to Glass, Marvin & Associates. Pillow with hand puppet receivable in a pocket thereof and manipulable while therein. 3,789,546, 2-5-74, Cl. 46-116.000.

Morrison, Howard J., to Glass, Marvin, & Associates. Movable figure toy. 3,808,735, 5-7-74, Cl. 46-135.00r.

Morrison, Howard J.; and Glass, Marvin I., to Glass, Marvin, & Associates. Animated riding toy. 3,815,931, 6-11-74, Cl. 280-1.201.

Morrison, Howard J.; and Allen, Robert K., to Glass, Marvin, & Associates. Magnetic type game. 3,827,692, 8-6-74, Cl. 273-85.00f.

Morrison, Howard J.; and Glass, Marvin I., to Marvin Glass & Associates. Animated toy. 3,828,462, 8-13-74, Cl. 46-41.000.

Morrison, Howard J.; and Nix, Donald F., to Glass, Marvin, & Associates. Toy automobile carrying case. 3,847,275, 11-12-74, Cl. 206-45.000.

Morrison, Howard J., to Glass, Marvin, & Associates. Dueling figure toys. 3,848,357, 11-19-74, Cl. 46-142.000.

Morrison, Howard J., to Glass, Marvin, & Associates. Extensible riding toy. 3,848,869, 11-19-74, Cl. 272-52.500.

Morrison, Howard R., to Ton-Tex Corporation. Belt with capped edges. 3,840,424, 10-8-74, Cl. 161-36.000.

Morrison, James J., to Kasle Steel Corporation. Method of manufacturing a pallet. 3,828,705, 8-13-74, Cl. 113-116.00r.

Morrison, Jimmie H., to Storm Manufacturing Company. Method for painting a plurality of articles. 3,844,818, 10-29-74, Cl. 117-38.000.

Morrison, Jimmie H. Motor mounting bracket. 3,847,330, 11-12-74, Cl. 248-14.000.

Morrison, John R. Method of making a decorative article. 3,802,904, 4-9-74, Cl. 117-37.00r.

Morrison, Kenneth V.: *See—*
Neff, Robert O.; Morrison, Kenneth V.; and Groechel, William D., 3,817,427.

Morrison, Larry A.: *See—*
Bornett, Charles B.; and Morrison, Larry A., 3,788,577.

Morrison, Richard E.: *See—*
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Morrison, Richard L.; and Webb, Venard C., to Thermo-Flex, Inc. Landing cushion for falling objects. 3,840,922, 10-15-74, Cl. 5-350.000.

Morrison, Robert A.; and Wagner, John E. Hinge hanger. 3,825,127, 7-23-74, Cl. 211-96.000.

Morrison, Robert B.; and Wyman, Lewis C., to Sheldon, E. H., and Company. Medicine tray for cabinet drawer. 3,834,778, 9-10-74, Cl. 312-209.000.

Morrison, Robert S.; and Hesse, Jack E., to Johns-Manville Corporation. Multi-layered plastic pipe. 3,854,504, 12-17-74, Cl. 138-141.000.

Morrison, Robert W.: *See—*
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Morrison, Roderick Gordon. Self calibrating isotopic precipitation measurement gage. 3,843,887, 10-22-74, Cl. 250-358.000.

Morrison, Roger A.; and Wise, John J., to Mobil Oil Corporation. Selective naptha hydrocracking. 3,843,510, 10-22-74, Cl. 208-111.000.

Morrison, Roger A., to Mobil Oil Corporation. Aromatization process using zinc and rhenium modified ZSM-5 catalyst 3,855,115, 12-17-74, Cl. 208-135.000.

Morrison, Roger A., to Mobil Oil Corporation. Xylene isomerization. 3,856,872, 12-24-74, Cl. 260-668.00a.

Morrison, Steven. *See—*
Brown, James H.; Buchanan, James E.; and Morrison, Steven, 3,846,786.

Morrison, Terry, to Chandler Evans Inc. Governor with integrator reset. 3,790,765, 2-5-74, Cl. 235-150.100.

Morrison, Thomas E.: *See—*
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Morrison, Thompson, to NKM Corporation. Air circulation diffuser system. 3,815,486, 6-11-74, Cl. 98-40.00d.

Morrison, Walter C.: *See—*
Hayasi, Nisiki; and Morrison, Walter C., 3,829,338.

Morrison, Wilbur J., to Bell & Howell Company. Sheet shuttle feed. 3,844,551, 10-29-74, Cl. 271-99.000.

Morrison, William McKenzie Meek. Valve actuators. 3,819,147, 6-25-74, Cl. 251-14.000.

Morrison, William McKenzie Meek, to Turner Manufacturing Company Limited. Control mechanisms for gear boxes. 3,857,299, 12-31-74, Cl. 74-473.00r.

Morrison, Wilson G.: *See—*
Bracken, Ronald C.; Harper, James G., Paddock, Arnold D.; and Morrison, Wilson G., 3,798,135.

Morrison-Knudson Company, Inc.: *See—*
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Morrissette, Camille: *See—*
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Morrissey, George R.: *See—*
Banjavich, Mark P.; Morrissey, George R.; and Gaudiano, Anthony V., 3,785,160.

Morrone, Nicholas Francis, to Johns-Manville Corporation. Sag resistant gypsum board and method. 3,853,689, 12-10-74, Cl. 161-183.000.

Morrow, Duane Lloyd. *See—*
Wirt, Leslie Spencer; and Morrow, Duane Lloyd, 3,819,007.
Wirt, Leslie Spencer; and Morrow, Duane Lloyd, 3,824,842.

Morrow, Hugh, III; Danesi, Wilbert P.; and Sponseller, David L., to American Metal Climax, Inc. High temperature alloy 3,839,025, 10-1-74, Cl. 75-171.000.

Morrow, Hugh, III; and Sponseller, David L., to American Metal Climax, Inc. High temperature alloy 3,854,941, 12-17-74, Cl. 75-171.000.

Morrow, James J.; and Bailey, Leo L., to Fischer & Porter Company. Continuous analysis for copper concentration. 3,857,762, 12-31-74, Cl. 204-1.00t.

Morrow, Lorin Lee. Safety float valve. 3,847,177, 11-12-74, Cl. 137-408.000.

Morrow, Margaret K.: *See—*
Duerksen, Walter K.; Holcombe, Cressie E., Jr., and Morrow, Margaret K., 3,825,653.

Morrow, Robert S.; Penn, Lloyd D.; and Marcum, Arthur D., to IRD Mechanalysis, Inc. Direct reading phase meter. 3,787,765, 1-22-74, Cl. 324-83.00a.

Morrow, Warren P., to United States of America, Army. Ordnance timer using chemical light. 3,837,282, 9-24-74, Cl. 102-70.20r.

Morrow, Warren P., to United States of America, Army. Piezoelectric multi-purpose device for projectiles (U). 3,850,102, 11-26-74, Cl. 102-70.2ga

Morrow, William B., and Anders, Gary H., to Aqua Mist, Incorporated. Humidifying apparatus for warm air ducts and the like. 3,855,371, 12-17-74, Cl. 261-100.000.

Morry, Bernard H.: *See—*
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Morse, Albert L.: *See—*
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Morse Boulger, Inc: *See—*
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Morse, Charles Ernest: *See—*
Evans, John Grover; and Morse, Charles Ernest, 3,800,098.

Morse, Charles F.; and Seal, Donald G. Resilient foundation connection. 3,852,931, 12-10-74, Cl. 52-293.000.

Morse, Charles P., to Rockwell International Corporation. Solid propellants containing reinforcing filament and process of making. 3,811,358, 5-21-74, Cl. 86-20.00r.

Morse, Charles W.: *See*—
Di Paola, John J.; Morse, Charles W.; and Dobson, Richard A., 3,844,514.

Morse, Donald B.; and Pribish, Bernard A., to Kemlite Corporation. Machine for trimming the edges of panels. 3,788,174, 1-29-74, Cl. 83-79.000.

Morse, Donald B.; and Pribish, Bernard A., to Kemlite Corporation. Machine for trimming the edges of panels. 3,800,647, 4-2-74, Cl. 83-365.000.

Morse, Donald B.; and Pribish, Bernard A., to Kemlite Corporation. Machine for trimming the edges of panels. 3,803,964, 4-16-74, Cl. 83-154.000.

Morse, Donald B.; and Pribish, Bernard A., to Kemlite Corporation. Machine for trimming the edges of panels. 3,837,247, 9-24-74, Cl. 83-156.000.

Morse, Frank C.: *See*—
Meller, Oscar W.; Lovich, John W.; and Morse, Frank C., 3,853,239.

Morse, George A., to Carpetech Corporation. Cleaning head for cleaning carpets and the like in situ. 3,848,291, 11-19-74, Cl. 15-322.000.

Morse, George E.: *See*—
Miller, Arthur W.; Stuemky, Robert E.; and Morse, George E., 3,788,098.

Morse, George W. Pellet mill with positive feed. 3,807,926, 4-30-74, Cl. 425-331.000.

Morse, Glenn B. Positioning coupling for a table bracket. 3,794,089, 2-26-74, Cl. 144-1.00e.

Morse, Glenn B. Assembly for converting a drill press to a circular saw. 3,800,838, 4-2-74, Cl. 144-1.00e.

Morse, Glenn B. Over-arm saw. 3,802,472, 4-9-74, Cl. 144-35.00r.

Morse, Glenn B. Belt guard. 3,811,340, 5-21-74, Cl. 74-611.000.

Morse, Glenn B. Assembly for converting a drill press to a wood lathe. 3,828,834, 8-13-74, Cl. 144-1.00e.

Morse, Glenn B. Cutting rotor assembly. 3,830,269, 8-20-74, Cl. 144-230.000.

Morse, Hugh B.: *See*—
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Morse, Hugh B.; and Foster, Thomas W., to Fibreboard Corporation. Severable carton with sterile edge. 3,826,421, 7-30-74, Cl. 229-51.0as.

Morse, Jeremy Painter: *See*—
Cometto, Dante James; Morse, Jeremy Painter; Crickmer, Robert Edward; and Kirk, Irvin, 3,814,635.

Morse, John B., to Polaroid Corporation. Self-timer attachment for camera. 3,831,184, 8-20-74, Cl. 354-240.000.

Morse, John W., to Engineering Plastics, Inc. Process for producing a bearing. 3,848,306, 11-19-74, Cl. 29-149.5nm.

Morse, Joseph. Knee desk. 3,821,936, 7-2-74, Cl. 108-43.000.

Morse, Lewis D.: *See*—
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Morse, Lewis D.; Hammes, Paul A.; and Boyd, William A., to Merck & Co., Inc. Devil's food cake and other alkaline bakery goods. 3,821,422, 6-28-74, Cl. 426-72.000.

Morse, Lewis D.; Hammes, Paul A.; and Everson, Charles W., to Merck & Co., Inc. Solubilization of water and aqueous solutions in non-aqueous liquids. 3,833,743, 9-3-74, Cl. 426-195.000.

Morse, Lynn H., to OMCO Inc. Safety check valves for gas lines. 3,835,875, 9-17-74, Cl. 137-75.000.

Morse Manufacturing Co., Inc.: *See*—
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Morse, Raymond L.: *See*—
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Morse, Robert J.; Krieder, Robert D.; and Dean, Brian C., to Bendix-Westinghouse Automotive Air Brake Company. Electro-pneumatic control system. 3,796,468, 3-12-74, Cl. 303-15.000.

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Morse, Theodore H.: *See*—
Benwood, Bruce R.; Morse, Theodore H.; and Siebenrock, Howard D., 3,830,401.
Stahr, Richard W.; and Morse, Theodore H., 3,810,759.

Morse, Wade H.: *See*—
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Morse, William B.: *See*—
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Morse, William E., Jr. Sign making stencil method. 3,855,924, 12-24-74, Cl. 101-129.000.

Morse, William George, and Timberlake, Thomas Edward, to Brunswick Corporation. Metal lined pressure vessel. 3,843,010, 10-22-74, Cl. 220-3.000.

Morsell, Arthur Lee: *See*—
Iseke, James Richard; Morsell, Arthur Lee; Muntz, Eric Phillip; and Welkowsky, Murray Samuel, 3,828,191.
Larson, Ray W.; Morsell, Arthur Lee; Muntz, Eric P.; and Wilkowsky, Murray, 3,842,801.
Lewis, John Henry; Morsell, Arthur Lee; and Welkowsky, Murray Samuel, 3,836,777.

Morsell, Arthur Lee, to Xonics, Inc. Spherical segment electrode imaging chamber. 3,828,192, 8-6-74, Cl. 250-315.000.

Morsell, Arthur Lee; and Moise, Norton L., to Xonics, Inc. X-ray system with aligned source and slits. 3,832,546, 8-27-74, Cl. 250-315.000.

Morsink, Lucas: *See*—
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Morski, Raymond; and Podreeca, Michael J., to International Detroit Industries, Inc. Pull post with variable anchoring means. 3,817,081, 6-18-74, Cl. 72-462.000.

Morstadt, Richard A., to GTE Automatic Electric Laboratories, Incorporated. Switching apparatus for connecting a data terminal to a plurality of communications networks. 3,803,360, 4-9-74, Cl. 179-2.0dp.

Mortensen, Anna Birthe: *See*—
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Mortensen, Don. Shower curtain guard device. 3,808,610, 5-7-74, Cl. 4-149.000.

Mortensen, Donald G., to Wayne Manufacturing Company. Street sweeper broom drive. 3,812,551, 5-28-74, Cl. 15-179.000.

Mortensen, Kjell Sverre, to Sverre Munck A/S. Buffer arrangement. 3,819,014, 6-25-74, Cl. 188-1.00b.

Mortensen, Louis Aackersberg. Display holder or sales unit. 3,822,783, 7-9-74, Cl. 206-223.000.

Mortensen, Peter Eli, to Carlton Company. Article orienting apparatus. 3,815,729, 6-11-74, Cl. 198-33.0aa.

Mortimer, Frank Radcliffe: *See*—
Brewster, Alan Ronald; Harvey, Samuel Eric; and Mortimer, Frank Radcliffe, 3,792,908.

Mortimer, Frans H.; Jacobs, Gerard O.; Decoene, Frans J. G. C., Braet, August; and Rowland-Hill, Edward W., to Clayson N.V. Axial flow type harvesting machines. 3,848,609, 11-19-74, Cl. 130-27.00t.

Mortimer, John W.: *See*—
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Mortimoto, Takuo: *See*—
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Mortinson, Abner J.: *See*—
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Mortl, Gunther L.: *See*—
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Sakai, Michihiko; Sato, Yasuo; Mortmoro, Rokuya, Konishi, Kazuo; and Maki, Katsuyuki, 3,790,621.

Morton, Albert W. Urinary drainage catheter. 3,811,448, 5-21-74, Cl. 128-349.00b.

Morton, David Russell, to Procter & Gamble Company, The. Process for softening fabrics in a dryer. 3,843,395, 10-22-74, Cl. 117-109.000.

Morton, Harvey L.; and Oland, Bradley H., to Tinsley Laboratories, Inc. Light source with high effieiency light collection means. 3,825,741, 7-23-74, Cl. 240-41.00r.

Morton, Herbert J.: *See*—
Gibbons, Edward J.; Morton, Herbert J.; and Busheee, Joseph J., 3,798,736.

Morton, John, Stevens, Keith Drummond; and Thexton, Graham Spencer, to Cableform Limited. Control circuits for D.C. electric motors. 3,811,080, 5-14-74, Cl. 318-341.000.

Morton, John; Stevens, Keith Drummond; and Thexton, Graham Spencer, to Cableform Limited. Control circuits for D.C. electric motors. 3,819,997, 6-25-74, Cl. 318-258.000.

Morton, John, Stevens, Keith Drummond; and Thexton, Graham Spencer, to Cableform Limited. Control of electric motors for battery-operated vehicles. 3,826,962, 7-30-74, Cl. 318-376.000.

Morton, John R.: *See*—
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Morton, La Verne N., to American Leisure Products, Inc. Fisherman's soap. 3,822,211, 7-2-74, Cl. 252-132.000.

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Morton, Michael S. J. Aquarium filter. 3,827,560, 8-6-74, Cl. 210-169.000.

Morton, Peter Harlow; Wortley, John Philip Atkinson; and Woolcock, Alan, to Imperial Metal Industries (Kynoch) Limited. Cathodes for electrolytic cell. 3,857,774, 12-31-74, Cl. 204-242.000.

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Morton, Raymond C. Powered aircraft ejection seat. 3,833,191, 9-3-74, Cl. 244-122.00a.

Morton, Robert D.; and Grohoski, Edward G., to Hartford Special Machinery Company, The. Pointer for multiple size work blanks. 3,786,527, 1-22-74, Cl. 10-169.000.

Morton, Robert D.; and Grohoski, Edward G., to Hartford Special Machinery Company, The. Resiliently biased starter blade supporting arm for thread roller. 3,842,633, 10-22-74, Cl. 72-90.000.

Morton, Robert E., to Leesona Corporation. Bobbin alignment means. 3,834,427, 9-10-74, Cl. 139-224.000.

Morton, Robert Earl: *See*—
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Morton, Roger Roy Adams, to Bausch & Lomb Incorporated. Methods of and apparatus for determining the quantity and physical paramenters of objects. 3,805,028, 4-16-74, Cl. 235-92.0pc.

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Mosca, Virgilio, to Societa' Italiana Telecomunicazioni Siemens S.p.A. Sawtooth-voltage generator with frequency-independent amplitude. 3,808,460, 4-30-74, Cl. 307-228.000.

Mosca, Virgilio; and Solarino, Carmelo, to Societa Italiana Telecomunicazioni Siemens S.p.A. Optical system for taking videotelephone pictures and the like. 3,843,835, 10-22-74, Cl. 178-7.920.

Moscaret, Eugene J.; and Soran, Thomas C., to Bell & Howell Company. Mobile motion picture entertainment system. 3,843,242, 10-22-74, Cl. 352-132.000.

Mosch, Willi; Lutz, Gerhard; and Martin, Heinz, to Siemens Aktiengesellschaft. Method of making semiconductor component with sheet metal connector leads. 3,824,679, 7-23-74, Cl. 29-588.000.

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Moser, Hans, and Vogel, Christian, to Ciba-Geigy Corporation. Certain diazolyl ureas. 3,822,280, 7-2-74, Cl. 260-306.800

Moser, Hans; and Vogel, Christain, to Ciba-Geigy Corporation. Certain 4-substituted-1-thiadiazolyl-3-alkyl-2,5-dioxo-imidazolidines and a synthesis. 3,843,670, 10-22-74, Cl. 260-306.80d

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Moser, Raymond L.; and Stedman, Robert N., to Caterpillar Tractor Company. Material transport. 3,815,765, 6-11-74, Cl. 214-82.000.

Moser, Raymond L., to Caterpillar Tractor Company. Tree harvester with supplemental grapple. 3,823,753, 7-16-74, Cl. 144-3.00d.
Moser, Raymond L.; and Oldenburg, Dorrance, to Caterpillar Tractor Company. Delimber assembly for tree harvesting machines. 3,842,872, 10-22-74, Cl. 144-3.00d.
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Moss, Theron V. Disposable dust mop and method of making same. 3,822,435, 7-9-74, Cl. 15-229.0bp.
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Mounsey, Reginald George. Fishing lure. 3,835,572, 9-17-74, Cl. 43-42.060.
Mount, Bruce E., to City of Hope. Impedance plethysmography method and apparatus. 3,835,840, 9-17-74, Cl. 128-2.05v.
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Depuy, Francis A., 3,838,480.
Gallant, James O., 3,783,481.
Mount, James C.: *See*—
Ranalli, Nicholas J.; and Mount, James C., 3,830,159.
Mount Sinai Research Foundation, Inc.: *See*—
Wolf, Robert L., 3,843,775.
Mounts, Lewis S.: *See*—
Tigner, Ruben A.; and Mounts, Lewis S., 3,814,769.
Mounts, William T.: *See*—
Kennicutt, Robert B.; and Mounts, William T., 3,847,492.
Mouri, Katsuo; and Miyazaki, Gentaro, to Hitachi, Ltd. Color subcarrier phase shift circuit for color television receiver. 3,786,179, 1-15-74, Cl. 178-5.4sd.
Mouri, Mineju; and Aoki, Katsuhiko, to Fuji Electric Company Limited. Displacement electric signal converter. 3,818,401, 6-18-74, Cl. 336-87.000.
Mouri, Mineju; and Aoki, Katsuhiko, to Fuji Electric Company Limited. Displacement-electric signal converter. 3,820,094, 6-25-74, Cl. 340-199.000.
Mourlan, Jany: *See*—
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Mourlon, Jean-Claude; and Dubois, Ernest Marie Rene, to Bertin & Cie and Entreprise de Recherches et d'Activites Petrolieres (ELF). Apparatus for removing a substance floating as a layer on the surface of a body of liquid. 3,800,951, 4-2-74, Cl. 210-242.00.
Mournichan, Robert E.: *See*—
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Mourot, Michel; Dodinot, Bernard; Burnel, Daniel; Freschard, Regis; and Fontenier, Guy. Biogalvanic power supply device and method. 3,842,843, 10-22-74, Cl. 128-419.00p.
Mous, Gerarous Adrianus: *See*—
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Mous, Gerarous Adrianus, to Cincinnati Milacron Inc. Proportional pulse generator. 3,857,026, 12-24-74, Cl. 235-151.00h.
Mousel, Robert: *See*—
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Mousetis, Harry X. Life raft. 3,813,717, 6-4-74, Cl. 9-3.000.
Moussaian, Gregoire; and Maillart, Gilles, to Singer Company, The. Locking device for sewing machine cabinet support platforms. 3,830,554, 8-20-74, Cl. 312-30.000.
Mousseau, Jean-Marie. Process and apparatus for winding sheet material. 3,810,589, 5-14-74, Cl. 242-66.000.
Moussou, Jean, to Ceraver. Furnace for the thermic treatment of products supported by a gas cushion. 3,813,217, 5-28-74, Cl. 432-258.000.
Moust, Daniel A.: *See*—
Barrett, Donald Dean; Whalen, Kenneth R.; Nichols, Charles; Knapp, Robert G.; Wickum, Jay A.; and Moust, Daniel A., 3,789,846.
Moutarde, Robert: *See*—
Alais, Michel; and Moutarde, Robert, 3,803,677.
Mouttet, Andre, to Regie Nationale des Usines Renault and Ste des Automobiles Peugeot. Epicyclic gear boxes. 3,857,303, 12-31-74, Cl. 74-761.000.
Mouw, Robert B., to Aertech. Hybrid junction and mixer or modulator. 3,818,385, 6-18-74, Cl. 333-26.000.
Movalarm Limited: *See*—
Fagan, Donald Frederick; and Hale, Rodney Barker, 3,828,125.
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Paton, Boris Evgenievich; Movchan, Boris Alexeevich; Selenky, Alexandr Mikhailovich; Teschev, Alexandr Mikhailovich; Tikhonovsky, Alexel Lavrentievich; Kurapov, Jury Anatolievich; Misjura, Rostislav Spiridonovich; and Kucherenko, Pavel Petrovich, 3,800,850
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Movchan, Boris Alexeevich; Timashov, Viktor Alexandrovich; and Germanchuk, Vyacheslav Nikolaevich. Device for electron-beam heating of materials mainly for their melting and evaporation. 3,814,829, 6-4-74, Cl. 13-31.000.
Movsumzade, Mir Samed Ali: *See*—
Ali Zade, Ali Ashraf Abdul Gusein; Aliev, Eldar Shirali; Vindgradov, Konstantin Vladimirovich; Gamzaev, Farkhad Aga; Movsumzade, Mir Samed Ali; Pirverdian, Alexandr Mikhailovich; and Sultanov, Aslan Bakhram, 3,805,620.
Mowatt-Larssen, Erling, to General American Transportation Corporation. Manway cover for tank cars. 3,786,955, 1-22-74, Cl. 220-55.00e.
Mowbray, Dorian Farrar, to C.A.V. Limited. Fuel injection pumping apparatus. 3,857,653, 12-31-74, Cl. 417-499.000.
Mowbray, Melton: *See*—
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Mowdood, Syed K., to Goodyear Tire & Rubber Company, The. Fire retardant polymer containing octachlorocyclopentene. 3,821,159, 6-28-74, Cl. 260-45.70r.
Mowe, Wilhelm: *See*—
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Mowen, John E., to Ecodyne Corporation. Pneumatic pump. 3,847,508, 11-12-74, Cl. 417-118.000.
Mower, Lawrence N., to Amoco Production Company. Controlled casing sleeve. 3,857,445, 12-31-74, Cl. 166-285.000.
Mowery, Harold P.: *See*—
Hilker, George D.; Doehrman, Charles E.; Lausen, Verne H.; Mowery, Harold P.; and Sutton, Mike T., 3,842,192.
Mowery, Llewellyn L. Self-shaping dental matrix. 3,795,052, 3-5-74, Cl. 32-63.000.
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Mowrey, Rowland George: *See*—
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Mowrey, Rowland George; and Wilkes, Glenn Richard, to Eastman Kodak Company. Cobalt (III) complex amplifier baths in color photographic processes. 3,841,873, 10-15-74, Cl. 96-22.000.
Mowrey, William L.: *See*—
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Mowry, William H., Jr.: *See*—
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Moxloe, Kirby: *See*—
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Moxness, James G., to Minnesota Mining and Manufacturing Company. Four-reel magnetic tape cartridge. 3,819,130, 6-25-74, Cl. 242-199.000.
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Moy, David; and Caldwell, William M., Jr., to Cities Service Oil Company. Organic smoke suppressant additive and distillate hydrocarbon fuel compositions containing same. 3,817,720, 6-18-74, Cl. 44-56.000.
Moy, Walick A.; and Styan, Garrick E., to MacMillan Bloedel Limited. Process of removing sodium chloride from kraft pulping process chemical recovery systems. 3,833,462, 9-3-74, Cl. 162-29.000.
Moyer, Edward J.: *See*—
Scholl, Rolland D.; Moyer, Edward J.; Glynn, Terry W.; and Klein, Richard E., 3,795,285.
Moyer, Elmo Emerson: *See*—
Van Gilder, Burrows Corson; and Moyer, Elmo Emerson, 3,812,415.
Moyer, Harris P.; and Klein, Herbert H., to Unarco Industries, Inc. Method of constructing a hollow beam. 3,783,498, 1-8-74, Cl. 29-471.300.
Moyer, Horace Bradley: *See*—
Butler, Arthur Devon; Debroka, Robert Lee; Moyer, Horace Bradley; and Yinger, Robald Lee, 3,826,358.
Moyer, James E. Extendable and retractable motor vehicle mirror arms. 3,820,877, 6-28-74, Cl. 350-289.000.
Moyer, John: *See*—
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Moyer, John H.: *See*—

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Moyer, John R.; and Neipert, Marshall P., to Dow Chemical Company, The. Method of purifying NAOH solutions. 3,799,749, 3-26-74, Cl. 23-302.000.
Moyer, John R., to Dow Chemical Company, The. Photooxidizing organic contaminants in aqueous brine solutions. 3,839,169, 10-1-74, Cl. 204-158.0ha.
Moyer, Norman E., to Hughes Aircraft Company. Bistable digital circuitry. 3,851,189, 11-26-74, Cl. 307-279.000.
Moyer, Robert Holden, to Du Pont de Nemours, E. I., and Company. Oil and water repellent. 3,817,958, 6-18-74, Cl. 260-86.700.
Moyer, Ronald C., to Air Products and Chemicals, Inc. Polyfluorocycloakyl phosphates. 3,812,217, 5-21-74, Cl. 260-924.000.
Moyer, Ronald G.; and Emory, Thomas M., Jr., to Digi-Log Systems, Inc. Portable computer terminal using a standard television receiver. 3,822,363, 7-2-74, Cl. 179-2.0tv.
Moyer, Ross; and Karandy, Fred, to Carrier Corporation. Apparatus for attaching solder rings to work pieces. 3,791,005, 2-12-74, Cl. 29-200.00b.
Moyer, Rudolph H.: *See*—
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Moyer, Rudolph H.; and Sibbett, Donald J., to Geomet, Incorporated. Apparatus for assaying enzyme activity. 3,783,105, 1-1-74, Cl. 195-127.000.
Moyer, Rudolph H.; and Sibbett, Donald J., to Geomet, Incorporated. Rapid methods for assay of enzyme substrates and metabolites. 3,791,933, 2-12-74, Cl. 195-127.000.
Moyer, Rudolph H.; Sibbett, Donald J.; and Binnings, Gerald F., to Geomet, Incorporated. Screening test apparatus for enzyme activity in blood and biological fluids. 3,806,422, 4-23-74, Cl. 195-103.50r.
Moyer, Stanley Floyd: *See*—
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Moyer-Bertenrath, Jurgen; Kaffarnik, Hans; Rey, Hans-Georg; Michal, Gerhard; and Busch, Ernst-Werner, to Boehringer Mannheim G.m.b.H. Diagnostic composition and a method of in-vivo determination of the function of the human pancreas. 3,786,140, 1-15-74, Cl 424-7.000.
Moyers, Charles Guthrie, Jr., to Union Carbide Corporation. Process for purification by crystallization. 3,796,060, 3-12-74, Cl. 62-58.000.
Moyes, Martin Gerald, to GEC-Elliott Mechanical Handling Limited. Conveyors. 3,810,538, 5-14-74, Cl. 198-127.00r.
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Moyne, Paul, to Rhone-Poulenc S.A. Apparatus for the batch treatment of solid material. 3,824,703, 7-23-74, Cl. 34-130.000.
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Mozdenski, Bernard; and Mozdenski, Bernard T., 20% to Lee, Raymond, Organization, Inc., The. Painter's pal. 3,789,450, 2-5-74, Cl. 15-105.000.
Mozdenski, Bernard T.: *See*—
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Mozdzanowski, Joachim, to Delmag-Maschinenfabrik, Reinhold Dornfeld. Vibratory compaction vehicle. 3,846,037, 11-5-74, Cl. 404-117.000.
Mozer, Larry P., to Phillips Petroleum Company. Internal cooling of polyethylene terephthalate tubing. 3,821,349, 6-28-74, Cl. 264-209.000.
Mozes, Alexander. Detector device for detecting unintentional urination. 3,809,078, 5-7-74, Cl. 128-138.00a.
Mozina, Henry F.; and Blue, Frank L., to Acrometal Products, Inc. Barrel stave reel. 3,836,093, 9-17-74, Cl. 242-118.600.
Mozokhin, Nikolai Gavrilovich: *See*—
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Mrak, Dusan, to Scovill Manufacturing Company. Method of transferring and directing the darts in a dress pattern. 3,803,717, 4-16-74, Cl. 33-17.00r.
Mraz, David M. Wine rack. 3,836,008, 9-17-74, Cl. 211-49.00r.
Mrazek, Dale. Die temperature controlled programming of IC memory device. 3,835,458, 9-10-74, Cl. 340-173.00r.
Mrenna, Stephen A.; and Thomas, Glenn R., to Westinghouse Electric Corporation. Enclosed switchgear with improved insulating support means. 3,796,922, 3-12-74, Cl. 317-112.000.
Mrenna, Stephen A.; and Thomas, Glenn R., to Westinghouse Electric Corporation. Circuit breaker assembly with improved tripping mechanism. 3,840,833, 10-8-74, Cl. 337-43.000.
Mrenna, Stephen A.; and Thomas, Glenn R., to Westinghouse Electric Corporation. Circuit breaker with handle indicating means. 3,849,747, 11-19-74, Cl. 335-166.000.
Mroczeck, Werner; and Scherber, Werner, to Licentia Patent-Verwaltungs-G.m.b.H. Method of manufacturing a planar device. 3,798,062, 3-19-74, Cl. 117-212.000.
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Mrowca, Joseph J., to Du Pont de Nemours, E. I., and Company. Organophosphorus compounds containing N-bonded pyrrole groups. 3,816,452, 6-11-74, Cl. 260-326.610.
Mrowczynski, Aloizy: *See*—
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Mrozik, Helmut H., to Merck & Co., Inc. 4-Amino-3-(halo, nitro or trifluoromethyl)-5-trifluoromethyl benzenesulfonamides. 3,828,078, 8-6-74, Cl. 260-397.70r
Mrozik, Helmut H., to Merck & Co. Inc. 4-Amino-3,5-(trifluoromethyl or bromo) benzene sulfonamides. 3,828,079, 8-6-74, Cl. 260-397.70r.
Mrozik, Helmut H., to Merck & Co., Inc. N-substituted-3,5-(trifluoromethyl or bromo) benzenesulfonamides. 3,829,487, 8-13-74, Cl. 260-556.0ar.
Mrozik, Helmut H., to Merck & Co., Inc. Substituted phenyltetrazoles as coccidiostats. 3,830,928, 8-20-74, Cl. 424-269.000.
MRT Magnet-Regeltechnik GmbH: *See*—
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Mrusek, Wilfried; and Rosewicz, Horst, to Elbatainer Kunststoff- und Verpackungs-Gesellschaft mbH. Cover-closure for containers with a relatively large opening. 3,792,797, 2-19-74, Cl. 220-60.00r.
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Muck, Eduard; Strachota, Jaroslav; and Horak, Josef, to Statni vyzkumny ustav Kozedlyn. Impregnating compositions for fibrous sheet materials from poly urethane and olefin copolymer. 3,852,230, 12-3-74, Cl. 260-28.000.
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Mucsi, Michael. Safety closure and container. 3,790,014, 2-5-74, Cl. 215-9.000.
Mucsi, Michael. Safety closure assembly and container. 3,820,676, 6-28-74, Cl. 215-9.000.
Mucsi, Michael. Safety, electrical grounding outlet with safety switch. 3,846,598, 11-5-74, Cl. 200-51.090.
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Mueller, Arthur R., Jr. Stripping machine. 3,807,610, 4-30-74, Cl. 225-94.000.
Mueller, Charles P.; and Eeer, Gunes M., to Cyclops Corporation. High temperature chromium-nickel alloy. 3,787,202, 1-22-74, Cl. 75-134.00f.
Mueller, Chester R.: *See*—
Smiley, Parker C.; and Mueller, Chester R., 3,803,424.
Mueller Co.: *See*—
Daghe, Joseph L., 3,840,255.
Hackman, Frank C., 3,814,379.
Leopold, Wilbert R., Jr., 3,799,500.
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Mueller, Daniel L.: *See*—
Donohue, James M.; and Mueller, Daniel L., 3,796,486.
Mueller, David Charles, to American Can Company. Tamperproof reclosable carton. 3,844,472, 10-29-74, Cl. 229-51.0tc.
Mueller, Dieter: *See*—
Esser, Franz; Hanstein, Friedrich; Hosch, Ludwig; and Mueller, Dieter, 3,812,208.
Mueller, Edwin R., to Rex Chainbelt Inc. Combination valve. 3,820,558, 6-28-74, Cl. 137-269.00x.
Mueller Ernst, K.G., Firma: *See*—
Gebhardt, Otto R., 3,811,620.
Mueller, Felix Gottfried, to Ciba-Geigy AG. Separation or extraction apparatus utilizing distribution of solutes between immiscible phases. 3,782,624, 1-1-74, Cl. 233-20.00r.
Mueller, Ferd A., to Colorado Refractories Corporation. Four-piece hot top with foldable subassemblies. 3,797,801, 3-19-74, Cl. 249-197.000.
Mueller, Ferd A., to Colorado Refractories Corporation. Hot top installation method. 3,857,160, 12-31-74, Cl. 29-463.000.
Mueller, Floyd F.; and Aulik, Clarence J., to American Hospital Supply Corporation. Adjustment apparatus for stirrup assembly including rotating clamp bracket. 3,823,933, 7-16-74, Cl. 269-328.000.
Mueller, Floyd F.; and Aulik, Clarence J., to American Hospital Supply Corporation. Clamping mechanism for adjusting stirrup on a medical examination table. 3,833,211, 9-3-74, Cl. 269-328.000.
Mueller, Francis B.: *See*—
Moeny, Richard C.; and Mueller, Francis B., 3,815,858.
Moritz, Donald B., Wilson, David O.; and Mueller, Francis B., 3,797,793.
Mueller, Frank: *See*—
Goelz, Horst; Stockburger, Dieter; Saeuberlich, Manfred; Mueller, Frank; Fuchs, Hartwig; and Von Erden Karl, 3,818,002.
Mueller, Fred; and Winkler, Rudolf, to Sandoz Ltd. Process for the production of 1-nitroanthraquinone substantially free from dinitroanthraquinone. 3,798,244, 3-19-74, Cl. 260-369.000.
Mueller, Fritz Kurt; Martin, Billy Otis; and Cherry, Robert, to Royal Medical Corporation. Temperature-sensing device. 3,832,669, 8-27-74, Cl. 338-28.000.
Mueller, Fritz Kurt; Martin, Billy Otis; Martin, Robert Cherry; Strieklin, Bobby Joe; and Weeks, Raymond Leland, to Royal Medical Corporation. Electronic thermometer. 3,834,238, 9-10-74, Cl. 73-362 0ar.
Mueller, Gerhart Hermann; and Wendel, Kurt. Paper coating compositions. 3,847,856, 11-12-74, Cl. 260-29.6rb.
Mueller, Gilbert A., to Textron, Inc. Flange-lock slider. 3,798,714, 3-26-74, Cl. 24-205.140.
Mueller, Guenther: *See*—
Hess, Hans; Mueller, Guenther; and Stolte, Horst, 3,844,891.
Mueller, Hans; and Voigt, William C., to Texas Instruments Incorporated. Differential amplifier. 3,801,924, 4-2-74, Cl. 330-69.000.
Mueller, Hans, to Grapha Maschinenfabrik Hans Muller AG. Conveying arrangement for paper sheets and similar objects. 3,807,547, 4-30-74, Cl. 198-131.000.

Mueller, Hans. Mixing device. 3,844,897, 10-29-74, Cl. 195-142.000.
Mueller, Hans R.: *See*—
Closs, Felix H.; Mueller, Hans R.; and Wild, Daniel, 3,856,993.
Mueller, Hans Rudolf: *See*—
Closs, Felix Hugo; Mueller, Hans Rudolf; Port, Erich; Rudin, Harry, Jr.; and Wild, Daniel, 3,796,835.
Mueller, Hans-Karl; and Lumbeck, Gerd, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Propionic acid coated silica as a food preservative. 3,812,269, 5-21-74, Cl. 426-227.000.
Mueller, Hanspeter: *See*—
Vetter, Walter; Mueller, Hanspeter; and Geissmann, Theodor, 3,846,570.
Mueller, Harry B.; and Reid, Gilbert R., to Burroughs Corporation. Stripping insulated wire. 3,794,522, 2-26-74, Cl. 134-1.000.
Mueller, Harry B. Wheelbarrow having spherical wheel. 3,827,369, 8-6-74, Cl. 104-118.000.
Mueller, Hellmuth F. A., to Merit Metal Products Corporation. Tool for removal of deterrent spring clip. 3,822,468, 7-9-74, Cl. 29-268.000.
Mueller, Helmut: *See*—
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Linhart, Helmut; and Mueller, Helmut, 3,787,355.
Mueller, Helmut, to Voith Getriebe KG. Hydrokinetic device. 3,782,514, 1-1-74, Cl. 188-296.000.
Mueller, Helmuth: *See*—
Kelch, Heinz; and Mueller, Helmuth, 3,848,113.
Mueller, Herbert: *See*—
Pommer, Horst; Mueller, Herbert; and Overwien, Hermann, 3,819,713.
Mueller, Herbert, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of isoprene. 3,792,104, 2-12-74, Cl. 260-681.000.
Mueller, Hugo, to American Flange & Manufacturing Co. Inc. Plastic closure bushing. 3,802,027, 4-9-74, Cl. 16-2.000.
Mueller, James A.: *See*—
Jeris, John S.; Beer, Carl; and Mueller, James A., 3,846,289.
Mueller, James F., to Eaton Corporation. Clutch means for a 4 X 4 drive transfer vehicle. 3,827,520, 8-6-74, Cl. 180-44.00r.
Mueller, James P.: *See*—
Hufeld, John L.; Larson, Donald J.; Marsden, Howard A.; Mueller, James P.; and Norick, William B., 3,800,670.
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Mueller, Johannes: *See*—
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Mueller, John W.; and Pearson, William M. Underground valve having below-surface parts removable from above-surface position. 3,809,114, 5-7-74, Cl. 137-315.000.
Mueller, Juergen: *See*—
Maurischat, Guenther; and Mueller, Juergen, 3,851,403.
Stievenart, Emile Frans; and Mueller, Juergen, 3,858,229.
Mueller, Karl, to Ciba-Geigy A.G., mesne. Pulverized polymer solution or dispersion, a polymer powder, a process of production thereof and a powder coating technique. 3,816,442, 6-11-74, Cl. 260-30.200.
Mueller, Karl J., to Xerox Corporation. Reproduction machine fuser. 3,856,462, 12-24-74, Cl. 432-60.000.
Mueller, Kenneth E.: *See*—
Monson, Franklin A., and Mueller, Kenneth E., 3,846,878.
Mueller, Klaus P.: *See*—
Kreuter, Kenneth G.; and Mueller, Klaus P., 3,801,006.
Mueller, Kurt Hugo, to Bell Telephone Laboratories, Incorporated. Fast start-up system for automatic transversal equalizers. 3,820,042, 6-25-74, Cl. 333-18.000.
Mueller, Louis E., to Mac-Fab Products, Inc. Method of making collar. 3,793,971, 2-26-74, Cl. 113-1.00g.
Mueller, Manfred: *See*—
Arndt, Peter Joseph; Blitz, Hans-Dieter; Huebner, Klaus, Krall, Wilhelm; Kurth, Hans-Joachim; Mueller, Manfred; and Pennewiss, Horst, 3,828,012.
Mueller, Martin: *See*—
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Mueller, Martin, to Owens-Illinois, Inc. Tray and tray opening mechanism. 3,796,141, 3-12-74, Cl. 93-53.0bf.
Mueller, Martin; and Wingo, Mason C., to Bates Packaging Services, Inc., mesne. Machine for making ice cream cookie sandwiches and similar food products. 3,828,660, 8-13-74, Cl. 99-450.400.
Mueller, Martin, to Owens-Illinois, Inc. Method and apparatus for packaging. 3,838,550, 10-1-74, Cl. 53-39.000.
Mueller, Max B.; and Chandrasekaran, Swayambu, to Allied Chemical Corporation. Stress-crack resistant ethylene-perhaloethylene copolymers. 3,847,881, 11-12-74, Cl. 260-80.770.
Mueller, Milton W., to TRW Inc. Fuel pump control system and method. 3,801,228, 4-2-74, Cl. 417-282.000.
Mueller, Norman Paul. *See*—
Webster, Richard Roy, and Mueller, Norman Paul, 3,850,020.
Mueller, Otto. Differential transmisssion. 3,831,461, 8-27-74, Cl. 74-711.000.
Mueller, Paul, Company: *See*—
Porter, Maxon A., 3,807,192.
Mueller, Paul H. Window mounted platform. 3,857,365, 12-31-74, Cl. 119-1.000.
Mueller, Peter F., to Technical Operations, Incorporated. Spectral zonal information storage and retrieval. 3,820,878, 6-28-74, Cl. 350-317.000.
Mueller, Pierre, to Bobst, J., & Fils, S.A. Method of guiding a thin flexable web strip which is at least partially metallic. 3,854,642, 12-17-74, Cl. 226-3.000.
Mueller, Richard: *See*—
Uhl, Guenter; Oppenlaender, Knut, Eikentscher, Rolf; and Mueller, Richard, 3,825,431.
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Mueller, Richard H. Bed device. 3,810,264, 5-14-74, Cl. 5-220.000.
Mueller, Richard J.: *See*—
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Mueller, Robert A., to Electron Emission Systems, Inc. Shift register. 3,824,478, 7-16-74, Cl. 328-37.000.
Mueller, Robert C.; and Griffin, Amos C. Method for injecting chemicals into the papilla for depilation. 3,794,028, 2-26-74, Cl. 128-216.000.
Mueller, Robert E. Direct television drawing and image manipulating system. 3,846,826, 11-5-74, Cl. 358-81.000.
Mueller, Rolf K.; and Lohmann, Adolf W., to Bendix Corporation, The. Holographic spectrometer. 3,794,426, 2-26-74, Cl. 356-98.000.
Mueller, Rolf K., to Bendix Corporation, The. Method and apparatus for seismic holographic exploration. 3,852,709, 12-3-74, Cl. 340-15.5ds.
Mueller, Rudolph C.: *See*—
Hyosaka, Alfred M.; and Mueller, Rudolph C., 3,824,954.
Mueller, Theodore R.: *See*—
Fisher, Dale J.; and Mueller, Theodore R., 3,835,008.
Mueller, Volkmar, and Toepfl, Rosemarie, to Ciba-Geigy AG. Process for the finishing of textiles. 3,843,396, 10-22-74, Cl. 117-141.000.
Mueller, Volkmar; Berendt, Hans-Ulrich; and Harris, Melvin, to Ciba-Geigy AG. Process for preventing the staining of polyamide fibre material treated with fluorescent whiteners. 3,849,162, 11-19-74, Cl. 117-33.50t.
Mueller, Von W.: *See*—
Jameel, Khaja M., and Mueller, Von W., 3,789,332.
Petkewicz, Frank J., Mueller, Von W.; Jameel, Khaja M.; and Emkalns, Arvids, 3,845,430.
Mueller, Wayne E., and Brewer, Jerry M. Articulated vehicle and joint therefor. 3,802,526, 4-9-74, Cl. 180-14.00r.
Mueller, Werner H.: *See*—
Campbell, Charles R.; Danly, Donald E.; and Mueller, Werner H., 3,830,712.
Mueller, Werner H.; and Campbell, Charles R., to Monsanto Company. Cycloalkanebis (methylamine) isomerization. 3,829,490, 8-13-74, Cl. 260-563.00d.
Mueller, Willy: *See*—
Roueche, Armand, Mueller, Willy; and Mory, Rudolf, 3,849,394.
Mueller, Wolfgang; Rodewald, Bernhard, and Witzke, Lothar, to Goldschmidt, Th., AG. Process for the combined elimination and/or reconditioning of carburizing salt wastes. 3,847,597, 11-12-74, Cl. 75-99.000.
Mueller, Wolfgang H.; Thaler, Warren A.; and Oswald, Alexis A., to Esso Research and Engineering Company. Preparation of S-2-hydrocarbylthioalkyl esters of thiophosphorus acids. 3,829,535, 8-13-74, Cl. 260-979.000.
Mueller, Wolfgang H., to Exxon Research and Engineering Company. Sulfur containing heterocycles. 3,855,240, 12-17-74, Cl. 260-327.00p.
Mueller-Dittmann, Hans Juergen, and Jentsch, Helmut, to Adademie der Wissenschaften der DDR. Process for forming magnetic metal deposits on a flexible base for use as information data carrier product thereof. 3,802,854, 4-9-74, Cl. 29-195.00p.
Mueller-Eckhardt, Hans: *See*—
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Mueller-Tamm, Heinz, Frielingsdorf, Hans; Nickl, Johann, and Kolk, Erich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of particulate polyethylene. 3,817,969, 6-18-74, Cl. 260-94.0da.

Mueller-Tamm, Heinz; Frielingsdorf, Hans; Nickl, Johann; and Kolk, Erich, to Badische Anilin- & Soda-Fabrik, Aktiengesellschaft. Manufacture of particulate polyethylene. 3,817,970, 6-18-74, Cl. 260-94.0da.

Mueller-Westerhoff, Ulrich T.: *See*—
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Muellerpoths, Reiner: *See*—
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Muench, Heinz, to Siemens Aktiengesellschaft. Multiple plug device. 3,856,375, 12-24-74, Cl. 339-31.00r.

Muench, Paul W., to Borg-Warner Corporation. Control arrangement for absorption refrigeration system. 3,831,393, 8-27-74, Cl. 62-141.000.

Muenchhausen, Meinolf, to Siemens Aktiengesellschaft. Method and circuit arrangement for automatic recognition of characters with the help of a translation invariant classification matrix. 3,815,090, 6-4-74, Cl. 340-146.3ma.

Muenchinger, Herman G., to Research Engineering & Manufacturing, Inc. Self-thread forming threaded fasteners and method for making same. 3,803,889, 4-16-74, Cl. 72-88.000.

Muenchinger, Herman G., to Research Engineering & Manufacturing, Inc. Self-extruding screw. 3,827,331, 8-6-74, Cl. 85-41.000.

Muenger, James R.: *See*—
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Muenger, James R., to Texaco Inc. Heat exchange apparatus for catalytic system. 3,796,547, 3-12-74, Cl. 23-288.00l.

Muenger, James R., to Texaco Inc. Exothermic reaction process. 3,825,501, 7-23-74, Cl. 252-373.000.

Muenker, Adolf H.; Beach, Leland K.; and White, Herschel T., to Esso Research and Engineering Company. High-energy solid propellant binder. 3,798,086, 3-19-74, Cl. 149-19.100.

Muesing, Lawrence: *See*—
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Muessdoerffer, Johann Nikolaus; and Niederprum, Hans, to Bayer Aktiengesellschaft. Preparation of vinylidene fluoride. 3,830,856, 8-20-74, Cl. 260-653.500.

Muessel, Dan O.; Eisenreich, William; and Schieber, Isadore, to Eaton Corporation. Lock tumbler cylinder picking alarm. 3,797,004, 3-12-74, Cl. 340-274.000.

Muffat, Donald L.; Clark, John B.; and Lovell, Lyle M., to Standard Oil Company. Apparatus for mixing fluids in a vessel between beds of solids. 3,787,189, 1-22-74, Cl. 23-288.00r.

Muffly, Robert N., 20% to Lee, Raymond, Organization, Inc., The. Rotatable cord driven passenger carrying disc. 3,785,641, 1-15-74, Cl. 272-46.000.

Mugford, Charles C., to Farr Company. Liquid-gas separator. 3,796,026, 3-12-74, Cl. 55-338.000.

Mugford, Charles C., to Farr Company. Air filter assembly. 3,802,169, 4-9-74, Cl. 55-484.000.

Mugford, Charles C., to Farr Company. Air filter assembly. 3,831,355, 8-27-74, Cl. 55-484.000.

Muggli, Sergio, to Fehr & Reist AG. Apparatus for forming packages from continuously incoming printed products or the like. 3,837,505, 9-24-74, Cl. 214-6.0ba.

Mugneret, Jean A.: *See*—
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Mugschl, Eduard: *See*—
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Muhl, Andrew H. Temperature control system for an electrode type liquid heater. 3,809,857, 5-7-74, Cl. 219-286.000.

Muhlbach, Anton; and Lauckhardt, Gerhard, to USM Corporation. Apparatus for rounding welded edge seams. 3,809,306, 5-7-74, Cl. 228-5.000.

Muhlbauer, Gerd Rudiger: *See*—
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Muhlbauer, Heinz; and Holstetter, Franz. Automatic dialing device. 3,790,721, 2-5-74, Cl. 179-90.00b.

Muhlhausen, Cornelius: *See*—
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Muhlhausler, Wolfgang; and Vollmer, Hermann, to Fouquet-Werk Frauz & Planck. Jacquard pattern drum with removable pattern bolding elements. 3,842,622, 10-22-74, Cl. 66-50.00b.

Muhlhausler, Wolfgang, to Fouquet-Werk Frauz & Planck. Needle bed construction for knitting machines. 3,852,979, 12-10-74, Cl. 66-19.000.

Muhling, Alois; Schmidt, Helmut; and Knie, Hans, to Siemens Aktiengesellschaft. Electric motor driven timing relay with components disposed on one side of supporting frame. 3,792,207, 2-12-74, Cl. 200-35.00r.

Muhlmichl, Philip John: *See*—
Coombe, Anthony John; Danisavich, Edward Anthony; Gniewek, Thomas Thaddeus, Jr.; Muhlmichl, Philip John; and Stuber, Robert Ernest, 3,840,188.

Muhlogger, Leopold, to Durst A.G. Fabrik Fototechnischer Apparate. Illuminating device, particularly for photographic enlarging apparatus. 3,831,021, 8-20-74, Cl. 240-41.00r.

Muhlpfordt, Werner, to U.S. Philips Corporation. Reactor for preparing metal powders. 3,782,706, 1-1-74, Cl. 266-22.000.

Muhn, Robert A., to Tuthill Pump Company. Ball joint and method of fabrication. 3,803,685, 4-16-74, Cl. 29-149.50b.

Muhr, Heinrich: *See*—
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Muijs, Cornelis Gerardus, to Sperry Rand Corporation. Header crop divider for an axial flow combine having side-by-side axial flow units. 3,794,046, 2-26-74, Cl. 130-27.00t.

Muilwijk, Dirk, to U.S. Philips Corporation. System for transmitting information pulses. 3,818,344, 6-18-74, Cl. 325-30.000.

Muir, Gregory A.; and Scherer, Craig J. Method and system for visually conveying alarm information. 3,810,097, 5-7-74, Cl. 340-164.000.

Muir, William McClements; and Livingston, Robert Middleton, to Babcock & Wilcox Limited. Semi permeable membranes. 3,822,330, 7-2-74, Cl. 264-41.000.

Muirhead, Hugh J.: *See*—
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Shaler, David; and Long, John H., 3,787,889.
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Shaler, David; and Long, John H., 3,797,024.
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Mukai, Atsuhiko; and Mori, Yoshio, to Teijin Limited. Pencil lead. 3,834,910, 9-10-74, Cl. 106-19.000.

Mukai, Cromwell D.; and Weinstein, Bernard, to American Home Products Corporation. Cleaner compositions. 3,806,460, 4-23-74, Cl. 252-111.000.

Mukai, Cromwell D.; and Weinstein, Bernard, to American Home Products Corporation. Dimethyl sulfoxide containing cleaner compositions. 3,813,343, 5-28-74, Cl. 252-111.000.

Mukai, Hideo; and Yamaguchi, Toshiaki, to Nishimura Seisakusho Co., Ltd. Apparatus for intermittent processing for web materials. 3,796,117, 3-12-74, Cl. 83-210.000.

Mukai, Hisakazu, to Nippon Telegraph and Telephone Public Corporation. High speed/logic circuit. 3,787,737, 1-22-74, Cl. 307-215.000.

Mukai, Kunihiko: *See*—
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Mukai, Shin. Binocular. 3,814,496, 6-4-74, Cl. 350-75.000.

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Mukai, Toshihiko: *See*—
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Mukaida, Yoshito; Kubotera, Kikuo; and Mizuki, Eiiche, to Fuji Photo Film Co., Ltd. Method for preparing lithographic printing plate. 3,814,603, 6-4-74, Cl. 96-33.000.

Mukaiyama, Teruaki; Ueki, Masaaki; and Suzuki, Manabu, to Sankyo Company, Limited. Peptide bond formation in the presence of triaryl phosphites and heterocyclic disulfides. 3,786,038, 1-15-74, Cl. 260p112.500.

Mukaiyama, Teruaki; Ueki, Masaaki; Matsueda, Rei; and Maruyama, Hiroshi, to Sankyo Company Limited. Process for the preparation of a carboxylic acid amide. 3,830,794, 8-20-74, Cl. 260-112.500.

Mukavitz, David R.: *See*—
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Mukerjee, Ambar Nath: *See*—
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Mukherjee, Joan M. W., to Minnesota Mining and Manufacturing Company. Development-free printing plate. 3,793,033, 2-19-74, Cl. 96-115.00r.

Mukherjee, Joan M. W. Method of making lithographic master. 3,811,886, 5-21-74, Cl. 96-33.000.

Mukhortova, Tamara Ivanovna: *See*—
Gorbunov, Boris Nikolaevich; Lukashov, Anatoly Ivanovich; Mukhortova, Tamara Ivanovna; and Khardin, Alexandr Pavlovich, 3,787,515.

Mukoyama, Shigeki; and Obara, Shigeru, to Nippon Light Metal Company. Metal roof structure. 3,852,932, 12-10-74, Cl. 52-495.000.

Mukunashi, Hiroaki: *See*—
Ichiba, Terumichi; Shimba, Hiroshi; and Mukunashi, Hiroaki, 3,826,862.
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Mulansky, Horst: *See*—
Zirnstein, Peter; Schebiella, Erwin; Koerner, Siegfried; Weise, Joachim; and Mulansky, Horst, 3,847,077.

Mulaskey, Bernard F.: *See*—
Csicsery, Sigmund M.; and Mulaskey, Bernard F., 3,826,237.
Csicsery, Sigmund M.; and Mulaskey, Bernard F., 3,838,673.
Kemp, Jacob D.; and Mulaskey, Bernard F., 3,809,728.

Mulasmajic, Dzemal. Anti-friction vehicle support system. 3,809,433, 5-7-74, Cl. 301-1.000.

Mulbarger, Albert Eugene, Jr.: *See*—
Krumreich, Charles Louis; Mulbarger, Albert Eugene, Jr.; and Walden, Stephen William, 3,850,497.

Mulcahy, Harry W., to Amsted Industries, Incorporated. Snubbed railway truck bolster. 3,855,942, 12-24-74, Cl. 105-197.0db.

Mulcihy, Thomas W., to Dow Chemical Company, The. Preparation of metals. 3,823,003, 7-9-74, Cl. 75-10.00v.

Mulder, Albertus J.; and van Helden, Robert, to Shell Oil Company. Process for the preparation of thiohydroximic esters. 3,821,266, 6-28-74, Cl. 260-453.00r.

Mulder, Cornelis, to U.S. Philips Corporation. Integrated function generator. 3,808,463, 4-30-74, Cl. 307-230.000.

Mulder, Cornelis, to U.S. Philips Corporation. Circuit for re-generating a current. 3,822,387, 7-2-74, Cl. 307-299.00b.

Mulder, Cornelius, to U.S. Philips Corporation. Microampere current source. 3,829,789, 8-13-74, Cl. 330-23.000.

Mulder, Hendrik; and Houtkamp, Johannes Jacobus, to N.V. Optische "De Oude Delft". Image transformer tube with movable phosphor screen. 3,794,874, 2-26-74, Cl. 313-102.000.

Mulder, Herman; Van Pol, Jan Huibert Leonard Philomena; and Hakkeling, Berend. Device comprising at least one rake member adapted to rotate about an upwardly extending axis. 3,827,224, 8-6-74, Cl. 56-370.000.

Mule, James. Vehicle shelter employing a dual operating selective hinge apparatus. 3,797,178, 3-19-74, Cl. 52-66.000.

Mule, Leonard C., to Fisher, Charles, Cossman, Peter J. and Rembish, Linda. Paint and adhesive applicator. 3,797,706, 3-19-74, Cl. 222-187.000.

Mules, Richard D. Method of making polymeric film. 3,819,775, 6-25-74, Cl. 264-40.000.

Mulfinger, Hans-Otto; Dutz, Hubert; and Krolla, Hans-Georg. Method of producing vitreous layers on substrate materials. 3,801,356, 4-2-74, Cl. 117-93.300.

Mulhall, John Leslie: *See*—
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Mulholland, Terence H.; and Kruger, Fred B., to Homestead Industries, Inc. Liquid heating feedback system. 3,814,321, 6-4-74, Cl. 239-135.000.

Mulich, Stephen F.; Duffy, Donald R.; and Salter, Steven J., to MB Associates. Personnel distress signal. 3,855,930, 12-24-74, Cl. 102-34.400.

Mulich, Stephen F., Jr.: *See*—
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Mulier, Pieter M. J.; and Jirak, Thomas L., to Medtronic, Inc. Pulse generator output regulator. 3,857,085, 12-24-74, Cl. 323-22.00t.

Mulik, Peter R.: *See*—
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Mulka, John Daniel: *See*—
Schmidt, Robert Theodore; and Mulka, John Daniel, 3,838,318.

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Mull, John R.: *See*—
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Mull, Michael M., to Mechanics Research, Inc. Wave force transducer. 3,785,203, 1-15-74, Cl. 73-170.00a.

Mulla, Mir S.; and Hwang, Yih-Shen, to University of California, The Regents of the. Bait for synanthropic flies and method for making same. 3,846,557, 11-5-74, Cl. 426-1.000.

Mullan, Noel A.; and Overell, Brian G., to Beecham Group Limited. Protein allergenic extracts reacted with dialdehydes. 3,794,630, 2-26-74, Cl. 260-112.00r.

Mullan, Noel Austin; and Overell, Brian George, to Beecham Group Limited. Allergens reacted with carbodiimides. 3,825,525, 7-23-74, Cl. 260-112.00r.

Mullan, William Harrison: *See*—
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Mullaney, Paul F.; and West, William T., to United States of America, Atomic Energy Commission. Dual parameter flow photometric apparatus and method. 3,824,402, 7-16-74, Cl. 250-565.000.

Mullarkey, Thomas W., to Thermal Reduction Corporation. Method for ammunition disposal. 3,793,101, 2-19-74, Cl. 149-109.000.

Mullejans, Heinrich: *See*—
Asselborn, Peter; Cramer, Werner; Gladbach, Bergisch; and Mullejans, Heinrich, 3,785,189.
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Mullen, Joseph D.; and Nivens, Mary P., to General Mills, Inc. Textured base materials or products from certain carboxyalkyl ethers of polygalactomannans and process of preparing same. 3,782,962, 1-1-74, Cl. 426-70.000.

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Mullen, William P., to Ford Motor Company. Ball and socket joint. 3,801,169, 4-2-74, Cl. 308-72.000.

Mullenbach, Guy Towns: *See*—
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Mullender, Claude: *See*—
Frey, Walter C.; Mullender, Claude; and Reinhart, Norman E., 3,827,844.

Mullender, Gernot F. Production of pipe bend sheaths. 3,825,412, 7-23-74, Cl. 29-180.0ss.

Mullendore, David L.: *See*—
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Muller, Alex M.: *See*—
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Muller, Alexander, to Hoxtersche Gummifadenfabrik Emil Arntz KG. Drive belts for use with multiple pulleys. 3,838,605, 10-1-74, Cl. 74-234.000.

Muller, Alf: *See*—
Alt, Claus-Christian; Muller, Alf; and Van Winsen, Friedrich H., 3,840,098.

Muller, Alf, to Daimler-Benz Aktiengesellschaft. Front wheel suspension for a passenger motor vehicle. 3,827,711, 8-6-74, Cl. 280-96.20b.

Muller, Alfred: *See*—
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Muller, Anton: *See*—
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Witzel, Gunter; and Muller, Anton, 3,812,896.

Muller, Anton, to Eisen- und Drahtwerk Erlau Aktiengesellschaft. Web link for tire anti-skid chains. 3,794,096, 2-26-74, Cl. 152-243.000.

Muller, Anton; Konig, Hubert; and Strobel, Ludwig, to Eisen- und Drahtwerk Erlau Aktiengesellschaft. Tire chain. 3,842,881, 10-22-74, Cl. 152-213.00a.

Muller, Artur, to Industrie-Werke Karlsruhe Augsburg Aktiengesellschaft. Device for winding threads, particularly textile threads. 3,785,140, 1-15-74, Cl. 57-100.000.
Muller, Daniel, to Nationale des Petroles d'Aquitaine. Process for the anionic polymerization of styrene. 3,790,547, 2-5-74, Cl. 260-93.50r.
Muller, Dieter; and Jurisch, Wilhelm, to Daimler-Benz Aktiengesellschaft. Vehicle gas turbines with ratio couplings therebetween-therefor. 3,797,232, 3-19-74, Cl. 60-39.16r.
Muller, Egon. Teaching aid for demonstrating the harmonic system. 3,791,254, 2-12-74, Cl. 84-471.000.
Muller, Elmar: *See*—
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Muller, Erich; Nickl, Josef; Roch, Josef; and Narr, Berthold, to Boehringer Ingelheim G.m.b.H. 5,7-Diamino-substituted thiazolo(5,4-D)pyraimidines and salts thereof. 3,850,917, 11-26-74, Cl. 260-243.00b.
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Muller, Erwin: *See*—
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Blahak, Johannes; Muller, Erwin; and Kleimann, Helmut, 3,817,940.
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Meckel, Walter; and Muller, Erwin, 3,794,621.
Muller, Erwin, to Bayer Aktiengesellschaft. Process for the preparation of polyether/polyester block copolymers. 3,849,515, 11-19-74, Cl. 260-860.000.
Muller, Frank; Lohringer, Werner; Milles, Karl; Brauling, Herman; and Prigge, Helmut, to Consortium fur Elektrochemische Industrie G.m.b.H. Ketoximecarbamate pesticides. 3,816,532, 6-11-74, Cl. 260-566.0ac.
Muller, Friedhelm, to Holstein & Kappert Maschinenfabrik "Phonix" GmbH. Bottle gripper for packing and unpacking machines. 3,856,343, 12-24-74, Cl. 294-99.00r.
Muller, George H.: *See*—
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Muller, George H., to Ford Motor Company. Resilient bumper assembly. 3,841,679, 10-15-74, Cl. 293-63.000.
Muller, George H., to Ford Motor Company. Resilient bumper assembly. 3,841,680, 10-15-74, Cl. 293-63.000.
Muller, Georges: *See*—
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Muller, Gerd; and Neuroth, Norbert, to JENAer Glaswerk Schott & Gen. Glass ceramic as an active laser material. 3,843,551, 10-22-74, Cl. 252-301.40f.
Muller, Gerhard: *See*—
Schumichen, Helmut; and Muller, Gerhard, 3,819,385.
Muller, Gerhard; and Bondick, Rolf, to Licentia Patent-Verwaltungs-G.m.b.H. Oscillator circuit for testing inductors. 3,855,554, 12-17-74, Cl. 331-167.000.
Muller, Gunther, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Automatically operating device for sealing a fuselage recess of aircrafts. 3,797,784, 3-19-74, Cl. 244-46.000.
Muller, Hans: *See*—
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Muller, Hans, to Grapha Maschinenfabrik Hans Muller AG. Stitching machine for a stack of sheets. 3,786,979, 1-22-74, Cl. 227-44.000.
Muller, Hans. Fermentation installation. 3,809,618, 5-7-74, Cl. 195-140.000.
Muller, Hans. Culture-growing apparatus. 3,812,016, 5-21-74, Cl. 195-139.000.
Muller, Hans. Turbidity measuring device with means for preventing the formation of bubbles. 3,819,278, 6-25-74, Cl. 356-208.000.
Muller, Hans, to Grapha Maschinenfabrik Hans Muller AG. Arrangement for affixing objects to travelling sheets. 3,826,706, 7-30-74, Cl. 156-566.000.
Muller, Hans, to Grapha Maschinenfabrik Hans Muller AG. Apparatus for measuring the thickness of paper sheet stacks or the like. 3,834,031, 9-10-74, Cl. 33-174.00r.
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Muller, Hans Rudolf, to Sundstrand Data Control Inc. Head up display and pitch generator. 3,851,303, 11-26-74, Cl. 340-27.0na.
Muller, Hans-Georg; and Busch, Heinrich, to Siemens Aktiengesellschaft. Compressed gas circuit breaker. 3,806,681, 4-23-74, Cl. 200-148.00e.
Muller, Hans-Jurgen: *See*—
Chattopadhayay, Asoke; and Muller, Hans-Jurgen, 3,850,154.
Muller, Hans-Martin: *See*—
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Muller, Heinz: *See*—
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Otten, Hans; Heinze, Helmut; and Muller, Heinz, 3,837,485.
Muller, Heinz; and Schonefeld, Paul, to Filterwerk Mann & Hummel GmbH. Air intake system with temperature-controlled warm air valve. 3,830,210, 8-20-74, Cl. 123-122.00d.
Muller, Helmut: *See*—
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Muller, Helmut; Rosenberger, Siegfried; and Schwarzenbach, Kurt, to Ciba-Geigy Corporation. 2-Amino-4,6-disalicyloyl-hydrazino-s-triazines. 3,850,918, 11-26-74, Cl. 260-247.20a.
Muller, Henricus; Pirk, Hans; and Hackstein, Karl, to Nukem, GmbH. Treatment of waste materials generated in the conversion of UF_6 to UO_2 by the AUC route. 3,842,155, 10-15-74, Cl. 423-15.000.
Muller, Henrik; and Weidner, Peter, to Siemens Aktiengesellschaft. Synchronizing method in time-division multiplex transmission systems. 3,836,722, 9-17-74, Cl. 179-15.0bs.
Muller, Herbert: *See*—
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Muller, Hermann: *See*—
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Muller, Hermann, to Dravo Corporation. Method and apparatus for cooling of hot bulk materials. 3,802,095, 4-9-74, Cl. 34-187.000.
Muller, Horst: *See*—
Eggensperger, Heinz; Franzen, Volker; Muller, Horst; and Stephan, Hans, 3,832,328.
Muller, Jacob: *See*—
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Muller, Jacques. Filter and aerator device. 3,782,549, 1-1-74, Cl. 210-95.000.
Muller, Jacques, to Ebauches Tavannes S.A. Digital display mechanism for a time-keeper. 3,818,689, 6-25-74, Cl. 58-5.000.
Muller, Jakob: *See*—
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Muller, Jakob. Method and apparatus for anchoring a floating yarn portion in a woven fabric. 3,796,234, 3-12-74, Cl. 139-46.000.
Muller, Jakob. Harness arrangement for a loom. 3,796,235, 3-12-74, Cl. 139-79.000.
Muller, Jean-Claude: *See*—
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Muller, Jean-Nicolas: *See*—
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Muller, Joachim M.; and Triller, Adolf J., to Erwin Sick Optik-Elektronik. Single modulated light beam photometer. 3,790,290, 2-5-74, Cl. 356-195.000.
Muller, Jochen, to Sulzer Brothers Ltd. Lightweight lever for high mechanical stressing. 3,826,155, 7-30-74, Cl. 74-519.000.
Muller, Johann: *See*—
Hoppe, Peter; Drouven, Gustav; and Muller, Johann, 3,817,819.
Muller, Johann, deceased (by Muller, Katharina; legal representative), to Deckel, Friedrich, Aktiengesellschaft. Spindle arrangement for machine tools. 3,806,272, 4-23-74, Cl. 408-239.00a.
Muller, Johannes Jacobus; and Kock, Theodorus Joannes, to Lever Brothers Company. Interesterification of glycerides in the presence of an aliphatic ketone. 3,809,709, 5-7-74, Cl. 260-410.700.
Muller, Johannes Jacobus; and Kock, Theodorus Joannes, to Lever Brothers Company. Interesterification catalysts consisting of an alkali metal dispersed in a neutralized and saturated fat. 3,856,703, 12-24-74, Cl. 252-430.000.
Muller, John G. Pressurized rubber for absorbing impact energy. 3,804,395, 4-16-74, Cl. 267-140.000.
Muller, John T.; and Cooper, James H., to Leslie Co. Pressure reducing valve spool. 3,791,413, 2-12-74, Cl. 137-625.300.
Muller, Josef: *See*—
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Muller, Karl-Adolf: *See*—
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Muller, Karl-Heinz: *See*—
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Muller, Karl-Heinz; Rohr, Harry; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Thermoplastic binders for continuously produced leads for pencils, copying pencils and coloured pencils. 3,821,157, 6-28-74, Cl. 260-41.00r.
Muller, Karl-Heinz; Rindfleisch, Volker; Von Rauch, Moriz; Willasch, Dieter; and Dollmeier, Georg, to Siemens Aktiengesellschaft. Television display system for electromagnetic beam apparatus. 3,835,246, 9-10-74, Cl. 178-6.800.
Muller, Katharina: *See*—
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Muller, Kurt, to Kabel- und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Method and apparatus for making tubing for metal tape. 3,813,910, 6-4-74, Cl. 72-130.000.
Muller, Ludwig; and Schmitz, Hans, to Kunststoffwerk Gebruder Auger GmbH & Co. Adjustable resilient flow leveling device. 3,799,484, 3-26-74, Cl. 248-188.200.
Muller, Manfred, to Akzona Incorporated. Method for producing rotationally symmetrical glass fiber reinforced laminated hollow structures. 3,784,429, 1-8-74, Cl. 156-175.000.
Muller, Marcel: *See*—
Bollag, Werner; Gutmann, Hugo; Hegedus, Balthasar; Kaiser, Ado; Langemann, Albert; Muller, Marcel; and Zeller, Paul, 3,795,678.
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Muller, Maurice E., to Sulzer Brothers Ltd. Prosthetic patella implant. 3,806,961, 4-30-74, Cl. 3-1.000.
Muller, Norbert: *See*—
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Muller, Otto, to Staubli Ltd. Method and apparatus for connecting the one ends of heddles or rather spring tie-rods to eltic draw cords in a Jacquard machine. 3,834,426, 9-10-74, Cl. 139-85.000.
Muller, Paul: *See*—
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Muller, Paul Adolf; and Muster, Hans. Method of making webs of filter material. 3,849,526, 11-19-74, Cl. 264-286.000.
Muller, Peter: *See*—
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Muller, Peter, to Andrews Paper & Chemical Co., Inc. Transparentized fibrous materials and process for making same. 3,813,261, 5-28-74, Cl. 117-153.000.
Muller, Peter Rolf: *See*—
Nouvertne, Werner; Muller, Peter Rolf; Peilstocker, Gunter, and Vernaleken, Hugo, 3,845,007.
Muller, Peter Rolf; and Peilstocker, Gunter, to Bayer Aktiengesellschaft. Thermoplastic molding compositions and molded articles. 3,817,907, 6-18-74, Cl. 260-37.0pc.
Muller, Reinhold; and Randelzhofer, Konrad, to Petri Aktiengesellschaft. Steering wheel with built-in air cushion. 3,822,894, 7-9-74, Cl. 280-150.0ab.
Muller, Richard, to Gebr. Hofmann KG. Balancing apparatus for balancing out-of-balance bodies. 3,785,210, 1-15-74, Cl. 73-459.000.
Muller, Richard, to Gebr. Hofmann KG. Device for the balancing of out of balance bodies especially vehicle wheels. 3,788,147, 1-29-74, Cl. 73-459.000.
Muller, Richard, to Gebr. Hofmann KG. Method and apparatus for imbalance determination. 3,826,146, 7-30-74, Cl. 73-462.000.
Muller, Richard, to Gebr. Hofmann KG. Wheel balancing apparatus. 3,835,712, 9-17-74, Cl. 73-462.000.
Muller, Richard, to Donat Talbot Archambult. Attachment device for modular units. 3,851,936, 12-3-74, Cl. 312-108.000.
Muller, Richard, to Gebr. Hofmann KG. Process and device for balancing of rotors. 3,854,339, 12-17-74, Cl. 73-462.000.
Muller, Richard Arno, to Gesellschaft fur Kernforschung m.b.H. Liquid cooled nuclear reactor. 3,793,143, 2-19-74, Cl. 176-65.000.
Muller, Robert; and Sommerer, Karl, to Porsche, Dr.-Ing., H.c.F., K.G., Firma. Shifting mechanism for automatic transmissions of vehicles. 3,793,901, 2-26-74, Cl. 74-473.00r.
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Muller, Rolf, to Papst-Motoren KG. Axial air gap, collector-less D-C motor. 3,840,761, 10-8-74, Cl. 310-49.00r.
Muller, Rolf; and Staudt, Heinrich, to Bosch, Robert, G.m.b.H. Composite centrifugal speed-dependent fuel controller for fuel injection pumps and electric signal transducer. 3,841,285, 10-15-74, Cl. 123-139.00e.
Muller, Rudi: *See*—
Kersten, Gunter; Muller, Rudi; and Ray, Franz, 3,835,515.
Muller, Rudolf: *See*—
Greiner, Joachim; Engelsmann, Dieter; Gersch, Josef; Landbrecht, Franz; Muller, Rudolf; Wenger, Wolfgang; and Wiedemann, Otto, 3,789,157.
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Heiler, Wolfgang; Muller, Rudolf; and Becker, Jean-Jacques, 3,814,039.
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Muller, Thomas P.: *See*—
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Muller, Thomas P.; and Popdan Gary L., to Caterpillar Tractor Company. Brake assembly for excavator swing transmission. 3,819,018, 6-25-74, Cl. 192-8.00r.
Muller, Thomas P., to Caterpillar Tractor Company. Track tensioning and recoil apparatus. 3,826,543, 7-30-74, Cl. 305-10.000.
Muller, Thomas P.; and Sitton, Ellis A., to Caterpillar Tractor Company. Parking brake assembly for track-type vehicles. 3,831,718, 8-27-74, Cl. 188-170.000.
Muller, Victor C.: *See*—
Straley, Robert J.; and Muller, Victor C., 3,837,406.
Muller, Walter: *See*—
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Weinrotter, Fredinand; Muller, Walter; Krulla, Wilfried; and Stern, Gerhard, 3,837,835.
Muller, Walter, to Ruti Machinery Works Ltd., formerly Casper Honegger. Device for transferring a portion of weft thread to a weft inserting means. 3,809,129, 5-7-74, Cl. 139-12.000.
Muller, Werner; and Schmalz, Paul, to Muller-Schlenker. Battery-operated miniature alarm clock. 3,824,789, 7-23-74; Cl. 58-19.00r.
Muller, Wilhelm: *See*—
Dorn, Ludwig; Heinze, Gerhard; Wokulat, Jurgen; Muller, Wilhelm; and Rubsam, Franz, 3,793,230.
Hartung, Sigurt; Dierichs, Helmut; Muller, Wilhelm; and Schmidt, Walter, 3,796,763.
Muller, Willi, to Siemens Aktiengesellschaft. Electro-optical device for measuring the voltage on a high-voltage conductor. 3,810,013, 5-7-74, Cl. 324-96.000.
Muller, Willi, to Siemens Aktiengesellschaft. Voltage transformer for a fully insulated metal-clad, high-voltage switching installation. 3,829,742, 8-13-74, Cl. 317-103.000.
Muller, Willy. Remote rewind control system. 3,843,842, 10-22-74, Cl. 179-6.00e.
Muller, Wolf-Dieter, to Metallgesellschaft Aktiengesellschaft. Process for producing a methane-rich gas usable in place of natural gas. 3,854,895, 12-17-74, Cl. 48-206.000.
Muller, Wolfgang. *See*—
Dathe, Joachim; Grasser, Leo; and Muller, Wolfgang, 3,791,884.
Fruth, Hans; and Muller, Wolfgang, 3,825,084.
Muller, Wolfgang, to Haas, Carl, Firma. Process for the production of hubs for spiral springs of timepieces. 3,785,028, 1-15-74, Cl. 29-177.000.
Muller, Wulf: *See*—
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Muller-Albrecht, Horst. *See*—
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Muller-Bardorff, Wolfgang. *See*—
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Muller-Berner, Alfred H., to Daimler-Benz Aktiengesellschaft. Synchronizing installation for change-speed transmissions. 3,817,121, 6-18-74, Cl. 74-645.000.
Muller-Calgan, Helmut: *See*—
Borck, Joachim, Koppe, Volker, and Muller-Calgan, Helmut, 3,839,336.
Koppe, Volker; Schulte, Karl; Borck, Joachim; Poetsch, Eike, and Muller-Calgan, Helmut, 3,821,234.
Muller-Scherak, Wolf Georg. Apparatus for closed cycle dispensing of individual items. 3,809,287, 5-7-74, Cl. 221-66.000.
Muller-Scherak, Wolf Georg. Combination beach bag and inflatable mattress. 3,818,962, 6-25-74, Cl. 150-1.000.

Muller-Schiedmayer, Gunther; Muller, Heinz; Hubner, Herbert; and Ulm, Klaus, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous preparation of quaternary ammonium compounds. 3,813,441, 5-28-74, Cl. 260-567.00.

Muller-Schlenker: *See*—
Muller, Werner; and Schmalz, Paul, 3,824,789.

Mullerheim, Steven B. Water propulsion systems using submerged propulsion cable. 3,785,326, 1-15-74, Cl. 115-7.000.

Mullersman, Ferdinand H., to General Electric Company. Emergency lighting system. 3,819,980, 6-25-74, Cl. 315-86.000.

Mulligan, William L., to Parks-Cramer Company. Radiation sensitive ends down detecting apparatus and method. 3,803,822, 4-16-74, Cl. 57-34.00r.

Mulliken, Richard F.: *See*—
United States of America, National Aeronautics and Space Administration, 3,814,645.

Mullikin, Noel C.: *See*—
Brown, William R.; and Mullikin, Noel C., 3,824,357.

Mullin, Clayton D., to Textron, Inc. 1 DB step attenuator. 3,858,128, 12-31-74, Cl. 333-81.00r.

Mullin, John Brian: *See*—
Holliday, Charles Harry; Macewan, William Ritchie; Mullin, John Brian; and Webb, Alan Edward Valender, 3,833,342.

Mullings, Donald M., to General Electric Company. A-coil with improved air deflector. 3,831,670, 8-27-74, Cl. 165-124.000.

Mullins, Albert A., to Schlumberger Technology Corporation. Retainer packer with improved valve system. 3,831,677, 8-27-74, Cl. 166-128.000.

Mullins, James N., Jr. Bagging apparatus and method. 3,789,570, 2-5-74, Cl. 53-29.000.

Mullins, Joe H. Sound reproduction system with driven and undriven speakers and motional feedback. 3,821,473, 6-28-74, Cl. 179-1.00f.

Mullins, John Albert, to Rolls-Royce (1971) Limited. Mountings for power plants. 3,837,602, 9-24-74, Cl. 244-54.000.

Mullins, John W. Copper tube service valve. 3,815,624, 6-11-74, Cl. 137-318.000.

Mullins, John W. Line tapping service valve clamp. 3,850,192, 11-26-74, Cl. 137-318.000.

Mullins, Lawrence J.: *See*—
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Mullins, Lynn D.: *See*—
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Mullins, Shelcy: *See*—
Slemp, Cecil, 3,824,538.

Mullio, Norbert V., to Whittaker Corporation, mesne. Pearlescent pigment. 3,788,871, 1-29-74, Cl. 106-291.000.

Mullis, Clyde M.: *See*—
Caputo, William R.; and Mullis, Clyde M., 3,820,238.

Mullner, Stefan: *See*—
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Mulot, Georges C. Machine for automatically forming screw-threads. 3,834,255, 9-10-74, Cl. 82-5.000.

Mulson, Joseph F.: *See*—
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Multi-Contact AG: *See*—
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Multi-Pro, Inc.: *See*—
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Multi-State Devices Ltd.: *See*—
Eastwood, H. Keith; Johannes, Robert; Griffiths, Clifford H.; and Gavini, Anibal, 3,801,824.
Grossman, David H.; and Plough, Charles T., 3,828,292.
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Multi-Systems, Inc.: *See*—
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Multiblitz Dr. Ing. D. A. Mannesmann GmbH & Co. KG: *See*—
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Multiblitz Dr. Ing. D.A. Mannesmann GmbH & Co.: *See*—
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Multicore Solders Limited: *See*—
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Multifastener Corporation: *See*—
Ladouceur, Harold A., 3,793,658.
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Multifold-International, Inc.: *See*—
Runyan, Kenneth R.; Honnert, Quentin E.; and Porter, Ronald H., 3,850,314.
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Multiply Development Corporation, Ltd.: *See*—
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Multiscreen Corporation Limited: *See*—
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Multivac Sepp Haggenmuller KG: *See*—
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Multiview Corporation: *See*—
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Mulvaney, Bruce D.: *See*—
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Mulvaney, Charles S. Book stand. 3,813,074, 5-28-74, Cl. 248-452.000.

Mulvaney, James M.: *See*—
Villers, Philippe; Allen, Martin A.; and Mulvaney, James M., 3,802,940.

Mulvaney, William P.: *See*—
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Mulvany, Richard Burke: *See*—
Barnard, Cecil Percy; Mulvany, Richard Burke; and Rizzi, Albert Daniel, 3,853,415.

Mulvany, Richard Burke; Rizzi, Albert Daniel; and Wright, John Harold, to International Business Machines Corporation. Drive coupling apparatus. 3,839,920, 10-8-74, Cl. 74-242.14r.

Mulvany, Richard Burke, to International Business Machines Corporation. Storage system having a universal disk-drive and a family of data modules. 3,843,967, 10-22-74, Cl. 360-98.000.

Mulvey, Dennis M.: *See*—
Weinstock, Leonard M.; Tull, Roger J.; and Mulvey, Dennis M., 3,812,182.

Mulvey, Gerard Edmund. Modular ceiling construction. 3,788,206, 1-29-74, Cl. 98-40.00dl.

Mulvey, Philip A.; and Porter, Kenneth G., to Perfect Pump Co. High pressure reciprocating pump. 3,849,032, 11-19-74, Cl. 417-454.000.

Mumford, Eustace H., to Owens-Illinois, Inc. Blank mold spray. 3,814,594, 6-4-74, Cl. 65-169.000.

Mumford, G. Victor; and Williams, Richard C., to Owens-Illinois, Inc. Safety closure. 3,857,505, 12-31-74, Cl. 215-9.000.

Mumford, Michael Anthony, to Spalding Engineering Company, Limited. Apparatus for cutting lengths off a continuously moving strip of metal. 3,799,018, 3-26-74, Cl. 83-298.000.

Mumford, Ray H.: *See*—
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Mumford, William W., Jr.: *See*—
Doughty, Robert L.; and Mumford, William W., Jr., 3,802,823.

Mumme, Clarence D., to Sperry Rand Corporation. Angular rate sensor. 3,842,681, 10-22-74, Cl. 73-505.000.

Mumper, Richard G., to Milwaukee Tool & Machine Co., Inc. Punch for corrugated board. 3,786,708, 1-22-74, Cl. 83-332.000.

Mumpower, Earnest, Jr. Method of applying flocking to a base. 3,793,050, 2-19-74, Cl. 117-17.500.

Munafro, Vincent J. Electrical apparatus providing self-teaching assistance. 3,809,784, 5-7-74, Cl. 35-9.00b.

Munakata, Hideaki; Watanabe, Kazuo; Arimatsu, Yoshikazu; and Tanaka, Masasazu, to Toyo Boseki Kabushiki Kaisha. Phosphorous acid and ester catalyzed formation of aminediol modified polyesters. 3,835,099, 9-10-74, Cl. 260-75.00n.

Munakata, Hiroaki: *See*—
Hattori, Saburo; Munakata, Hiroaki; Tatsuoka, Kengo; and Shimizu, Toshio, 3,803,254.

Munakata, Tomohiko: *See*—
Nakanishi, Michio; Munakata, Tomohiko; Setoguchi, Shinro; and Fukunari, Sunao, 3,813,395.

Munakata, Yukio, to Pioneer Electronic Corporation. Magnetic tape recording and reproducing apparatus. 3,843,966, 10-22-74, Cl. 360-74.000.

Munch, Ralph H., to Monsanto Company. Capacitor with non-halogenated impregnant. 3,796,934, 3-12-74, Cl. 317-259.000.

Munch, Ralph H., to Monsanto Company. Liquid impregnated capacitor. 3,811,077, 5-14-74, Cl. 317-258.000.

Munchbach, Curt, to Ungerer, Irma. Apparatus for straightening metal by stretching. 3,783,667, 1-8-74, Cl. 72-160.000.

Munchbach, Curt, to Ungerer, Irma. Combined stretch-type straightening apparatus for metal strips. 3,796,080, 3-12-74, Cl. 72-160.000.

Munchbach, Curt, to Ungerer, Irma. Apparatus for positioning a sheet metal coil in a coilholder. 3,806,058, 4-23-74, Cl. 242-79.000.

Munchbach, Curt; and Weber, Hans, to Ungerer, Irma. Apparatus for straightening metal strips. 3,818,739, 6-25-74, Cl. 72-163.000.

Munchbach, George E.: *See*—
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Munchback, George E.: *See*—
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Munchel, Carl J. Elevated spray device. 3,794,217, 2-26-74, Cl. 222-174.000.

Muncheryan, Hrand M. Laser eraser for a typewriter. 3,786,907, 1-22-74, Cl. 197-181.000.

Muncheryan, Hrand M. Hand-held laser instrumentation device. 3,821,510, 6-28-74, Cl. 219-121.00l.

Muncke, Ludwig; Buchmuller, Josef; and Stieler, Konrad, to Deere & Company. Axial piston hydraulic motor. 3,808,949, 5-7-74, Cl. 91-473.000.

Muncy, Gary O. Guitar fret board. 3,787,600, 1-22-74, Cl. 84-314.000.

Mund, Konrad; Richter, Gerhard; and Wenzel, Magdalena, to Siemens Aktiengesellschaft. Method for the manufacture of powdered tungsten containing electrode material. 3,784,412, 1-8-74, Cl. 136-122.000.

Mund, Konrad; Richter, Gerhard; and Wenzel, Magdalena, to Siemens Aktiengesellschaft. Method for the manufacture of powdered tungsten carbide containing electrode material. 3,790,410, 2-5-74, Cl. 136-122.000.

Mundinger, William D.: *See*—
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Mundipharma AG: *See*—
Friedmann, Charles Aubrey; Hofer, Peter; and Lange, Winthrop E., 3,792,129.
Kelly, William; and Halpern, Alfred, 3,855,282.
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Mundlos, Eberhard; Herz, Luis; Neeb, Rudolf; Mohr, Reinhard; and Ostermeier, Johann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Basic oxazine dyestuffs. 3,806,504, 4-23-74, Cl. 260-244.00r.

Mundo, Louis J. Rotatable washing brush. 3,810,271, 5-14-74, Cl. 15-183.000.

Mundt, Peter Hans Ernst; Urban, Otfried; and Neuhold, Arnold, to Geimuplast Peter Mundt KG. Method of expanding a transparency insertion slit in a slide frame. 3,807,121, 4-30-74, Cl. 53-23.000.

Mundy, Anthony Charles, to Elliott Brothers (London) Limited. Display unit mounting means. 3,817,484, 6-18-74, Cl. 248-278.000.

Mundy, Charles S., to United States of America, Navy. Crane attachment for dampening swinging motion. 3,850,306, 11-26-74, Cl. 212-58.00r.

Mundy, Joseph L.; and Neugebauer, Constantine A., to General Electric Company. Non-volatile associative memory. 3,800,297, 3-26-74, Cl. 340-173.0am.

Mundy, Joseph L.; and Joynson, Reuben E., to General Electric Company. Dynamic shift register. 3,808,458, 4-30-74, Cl. 307-221.00e.

Mundy, William L., to O'Fallon Investment Company. Cutting tool for the continuous machining of metals and the method of making same. 3,837,240, 9-24-74, Cl. 76-101.00a.

Mune, Charles, to Heinemann Electric Company. Fastener and circuit braker case. 3,842,376, 10-15-74, Cl. 335-202.000.

Munekata, Eiji: *See*—
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Munekata, Keniti: *See*—
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Munger, Donald W., to American Can Company, mesne. Method and apparatus for enhancing detection of small leaks in articles. 3,792,606, 2-19-74, Cl. 73-40.000.

Munger, Fay E.; Fife, Warren E.; and Paolini, Alfred P., to Jeffrey Galion Inc., mesne. Cutting chain link formed as integral element. 3,784,259, 1-8-74, Cl. 299-84.000.

Munger, Fay E., to Jeffrey Galion Inc. Mining machine with a pivot structure for a mining head, gathering head and discharge conveyor boom. 3,801,157, 4-2-74, Cl. 299-64.000

Munger, Peter Arthur. *See*—
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Munger, Warren B.: *See*—
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Munich, Karl Jirka, to Kunststoffwerk Gebruder Auger GmbH & Co. Cable connector box. 3,818,124, 6-18-74, Cl. 174-93.000.

Munk, Benedikt Aa.: *See*—
Walter, Carlton H.; Munk, Benedikt Aa.; and Thiele, Gary A., 3,823,403.

Munk, Benedikt Aa., to Ohio State University Research Foundation, The. Periodic surface for large scan angles. 3,789,404, 1-29-74, Cl. 343-18.00b.

Munk, Edmund E., to Furnier-& Sperrholzwerk J. F. Werz Jr. KG Werzalig-Pressholzwerk. Method of producing molded elements with parts of different thicknesses for fibrous mixtures. 3,809,736, 5-7-74, Cl. 264-120.000.

Munk, Miner N., to Varian Associates. Dual beam optical absorption photometry detector assembly for high pressure applications. 3,795,450, 3-5-74, Cl. 356-246.000.

Munn, Alfred John, to Kidde, Walter, & Company, Inc. Method and apparatus for generating gaseous mixtures for inflatable devices. 3,833,029, 9-3-74, Cl. 141-4.000.

Munn, John M. Wheel hub with improved adjustable eccentric mounting. 3,799,581, 3-26-74, Cl. 280-229.000.

Munnekehoff, Gerd; and Busch, Hansjochen, to Barmag Barmer Maschinenfabrik Aktiengesellschaft. Sleeve chuck for thread winding device. 3,815,836, 6-11-74, Cl. 242-46.400.

Munnerlyn, Charles R.: *See*—
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Munnoch, William C.; and Gray, James, to Kirsch of Canada, Limited. Clip for supporting an I-beam. 3,807,677, 4-30-74, Cl. 248-316.000.

Munoz, Robert M., to United States of America, National Aeronautics and Space Administration. Continuous fourier transform method and apparatus. 3,851,162, 11-26-74, Cl. 235-156.000.

Munro, David Farnham: *See*—
Cuthbert, John David; McMahon, Richard George; and Munro, David Farnham, 3,790,287.

Munro, Geoffrey Hector James, to AMP Incorporated. Substrate connector. 3,851,297, 11-26-74, Cl. 339-61.00m.

Munro, Geoffrey Hector James, to AMP Incorporated. Coil wound elastomer connector. 3,852,878, 12-10-74, Cl. 29-629.000.

Munro, Gerald Kirk, to Gorham Tool Company. Tool holder for indexable cutting inserts. 3,834,829, 9-10-74, Cl. 408-179.000.

Munro, John Galvin; and Sadowski, Walter, to Celanese Coatings Company. Process for spray-drying acrylic polymer solutions. 3,803,111, 4-9-74, Cl. 260-89.50s.

Munro, Robert A.: *See*—
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Munro, Robert G.; and Hale, Rodney B., to Goulder, J., & Sons Limited. Method and apparatus for measuring pitch or indexing errors in toothed members. 3,800,423, 4-2-74, Cl. 33-179.500.

Munro, Roger Cameron: *See*—
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Munro, William H., to Universal Oil Products Company. Conversion of black oil to low-sulfur fuel oil. 3,847,799, 11-12-74, Cl. 208-210.000.

Munro-Newcom, Inc.: *See*—
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Munroe, Donald M., to Krawczyk, Charles C. Signal light 3,790,937, 2-5-74, Cl. 340-378.00r

Munroe, Thomas. Demountable pallet and container assembly. 3,799,382, 3-26-74, Cl. 217-12.00r.

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Munsey, George B., to Munsey Products, Inc. Electrically heated corn popper and food warming apparatus. 3,847,067, 11-12-74, Cl. 99-323.800.

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Munsey, Robert J., to Westinghouse Electric Corporation. Wall panel lateral support assembly and locking mechanism therefor 3,794,281, 2-26-74, Cl. 248-188.000.

Munshower, Kenneth: *See*—
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Munsingwear, Inc.: *See*—
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Munson, James L.: *See*—
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Munson, Robert E.: *See*—
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Munson, Robert E.; Polson, Jerry H.; and Roller, Kent G., to Ball Brothers Research Corporation. Self-lubricated rotary joint. 3,786,376, 1-15-74, Cl. 333-97.00r.

Munson, Robert E., to Ball Brothers Research Corporation. Electrically scanned microstrip antenna. 3,811,128, 5-14-74, Cl. 343-787.000.

Munson, Robert Thomas: *See—*
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Munters, Carl Georg. Liquid and gas contact apparatus. 3,792,841, 2-19-74, Cl. 261-112.000.

Munters, Carl Georg. Apparatus for drying compressed air. 3,847,578, 11-12-74, Cl. 55-390.000.

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Munz, Frank G.; and Naidel, Robert W., to Union Carbide Corporation. Shell and tube heat exchanger. 3,833,055, 9-3-74, Cl. 165-82.000.

Munz, Otto John. Stylus with pressurized recording medium supply means and means for controlling the dispensing of recording medium. 3,806,264, 4-23-74, Cl. 401-256.000.

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Munzinger, Friedrich. Transmission mechanism of an oscillating engine. 3,853,014, 12-10-74, Cl. 74-70.000.

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Murai, Yasuro. Hanger for dust bag. 3,847,332, 11-12-74, Cl. 248-99.000.

Muraishi, Masakazu; Hamada, Noriaki; Shinkawa, Toshiyuki; and Arai, Tomiji, to Nissan Motor Company, Limited and Ikeda Bussan Company, Limited. Movable seat for a motor vehicle. 3,811,726, 5-21-74, Cl. 297-341.000.

Murakami, Hajime, to Alps Motorola, Inc. Temporary stop device for cartridge tape player-recorder. 3,800,320, 3-26-74, Cl. 360-93.000.

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Murakami, Hiroshi, to Nippon Electric Company, Limited. Multimatch processing system with cylindrical magnetic domain elements. 3,803,564, 4-9-74, Cl. 340-174.0ga.

Murakami, Junzo; Asakawa, Shigeo; and Takeuchi, Keiji, to Tokyo Shibaura Electric Co., Ltd. Decoding system. 3,810,158, 5-7-74, Cl. 340-347.0da.

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Murakami, Kenkichi, to Kabushiki Kaisha Plastic Kogaku Kenkyusho. Dialyzing apparatus for artificial kidney. 3,852,198, 12-3-74, Cl. 210-321.000.

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Murakami, Noboru, to Aisin Seiki Kabushiki Kaisha. Brake controlled pressure modulating clutch valve. 3,850,273, 11-26-74, Cl. 192-4.000a.

Murakami, Robert E., to United States of America, Air Force. Explosive enclosure apparatus. 3,800,703, 4-3-74, Cl. 102-1.00r.

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Muramoto, Seishi, to Kabushiki Kaisha Komatsu Seisakusho. Device for guiding a bar of a cutter of a peeling machine. 3,797,337, 3-19-74, Cl. 82-20.000.

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Murao, Kunihiko, and Kawasaki, Tsutomu, to Teac Corporation. Variable resistor with linearly movable means for changing the resistance thereof. 3,800,266, 3-26-74, Cl. 338-162.000.

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Muraoka, James S., to United States of America, Navy. Protective surfaces or liners for subaqueous structures. 3,784,357, 1-8-74, Cl. 21-61.000.

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Murase, Sigeru, to Tokyo Netsushori Kogyo Kabushiki Kaisha. Fluid control apparatus. 3,817,658, 6-18-74, Cl. 417-2.000.

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Murata, Kingo; and Wakabayashi, Kaoru, to Kabushiki Kaisha Koparu. Operating mechanism for twenty four hour cycle digital timer. 3,825,702, 7-23-74, Cl. 200-35.00r.

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Murata, Sanjiro. Mode changeover apparatus for a miniature type cassette tape recorder. 3,810,241, 5-7-74, Cl. 360-96.000

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Murayama, Akira; Hettler, Hans; and Jastorff, Bernd, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften E.V. 3'-O, 5'-N-cyclophosphate nucleosides. 3,846,401, 11-5-74, Cl. 260-211.504.
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Murayama, Naghiro, to Kureha Kagaku Kogyo Kabushiki Kaisha. Pyroelectric element of polymer film. 3,794,986, 2-26-74, Cl. 340-173.0ch.
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Murch, Lee Ellis, to Du Pont de Nemours, E. I., and Company. Blends of polyamides and ionic copolymer. 3,845,163, 10-29-74, Cl. 260-857.001.
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Murphy, Adron, 20% to Lee, Raymond, Organization, Inc., The. Hand tool for installing brake shoes. 3,841,176, 10-15-74, Cl. 81-3.00r.
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Murphy, Donald P., to Oxy Metal Finishing Corporation. Halogenated alkylene glycol aryl ether stripping composition and method. 3,832,305, 8-27-74, Cl. 252-158.000.
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Murphy, John A. Composition for cleaning, sealing preserving, protecting and beautifying host materials. 3,837,875, 9-24-74, Cl. 106-264.000.
Murphy, John C., to Avco Corporation. Self-pulsing transmitter for vehicle tire pressure indication system. 3,805,229, 4-16-74, Cl. 340-58.000.
Murphy, John D. Flashlight and switch assembly. 3,790,912, 2-5-74, Cl. 335-205.000.
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Murphy, John E., to Borg-Warner Corporation. Breath testing system with breath temperature sensor. 3,785,774, 1-15-74, Cl. 23-254.00e.
Murphy, John E. Direct current resistance scale expander. 3,805,151, 4-16-74, Cl. 324-62.000.
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Murphy, William D.; and Zmuda, Edward L., to GTE Sylvania Incorporated. Flying spot scanner system high voltage and horizontal deflection circuitry. 3,787,750, 1-22-74, Cl. 315-27.0td.
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Murray, Adele. Spry springy sprouting clown. 3,797,166, 3-19-74, Cl. 46-119.000.
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Murray, Joseph John, to Potter Instrument Company, Inc. Simplified method for bonding ferrite cores. 3,819,348, 6-25-74, Cl. 65-36.000.
Murray, Kenneth M.; and Attix, Frank H., to United States of America, Navy. Absolute calorimetric dosimeter. 3,790,794, 2-5-74, Cl. 250-352.000.
Murray, Lawrence K., to Phillips Petroleum Company. Wet-pelleting of carbon black. 3,844,809, 10-29-74, Cl. 106-307.000.
Murray, Leo Thomas; and Salzmann, Gerhard Martin, to Colgate-Palmolive Company. Dentifrice composition. 3,822,345, 7-2-74, Cl. 424-52.000.
Murray, Lowell C.; and Hose, John M., to Container Corporation of America. Stackable package and method of making same. 3,790,019, 2-5-74, Cl. 220-16.00r.
Murray, Lowell C.; and Ruble, John G., to Container Corporation of America. Combination gift wrap and receptacle. 3,829,008, 8-13-74, Cl. 229-87.00r.
Murray, Malcolm G., Jr. Machine element alignment system. 3,789,507, 2-5-74, Cl. 33-1.0sd.
Murray, Malcolm G., Jr. Machine element alignment positioner. 3,849,857, 11-26-74, Cl. 29-200.00p.
Murray, Marjorie Remus; and Murray, Daniel Allen. Personal pill reminder. 3,818,473, 6-18-74, Cl. 340-309.100.
Murray, Maxton F.; and Petering, Harold G., to Upjohn Company, The. Substituted-2-oxobutyraldehyde bis(thiosemicarbazones). 3,824,276, 7-16-74, Cl. 260-490.000.
Murray, Michael F. Apparatus for encapsulating hot gases from high stacks. 3,814,394, 6-4-74, Cl. 261-83.000.
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Murray, Ransome James, to Associated Portland Cement Manufacturers, Limited, The. Synthetic aggregates. 3,785,842, 1-15-74, Cl. 106-288.00b.
Murray, Robert T., to TRW Inc. Socket assembly. 3,808,581, 4-30-74, Cl. 339-95.00d.
Murray, Thomas R.; and Burns, David C., to Westinghouse Electric Corporation. Reactor vessel in-service inspection assembly. 3,809,607, 5-7-74, Cl. 176-19.00r.
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Murtha, John C.; and Ross, James A., Jr., to Westinghouse Electric Corporation. Programmable digital signal processor. 3,812,470, 5-21-74, Cl. 340-172.500.
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Murtin, Fernand R. C.; Mercier, Loic; and Barat, Jean, to Societe Industrielle d'Electronique et d'Informatique. Electronically controlled fuel-supply system for compression-ignition engine. 3,851,635, 12-3-74, Cl. 123-139.00e.
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Musajo, Luigi. Treating hyperlipemia with isatin. 3,803,319, 4-9-74, Cl. 424-274.000.
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Musser, Malcolm E. Bag holder and opening device. 3,782,073, 1-1-74, Cl. 53-384.000.
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Mutchler, Paul A., to United States of America, Army. Forced convection oven. 3,797,473, 3-19-74, Cl. 126-21.00a.
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Myc, James O.; Salabarria, Miguel A.; and Westmoreland, David H., to Monsanto Company. Vapor-liquid separator. 3,826,064, 7-30-74, Cl. 55-204.000.
Myer, Gary D., to Hughes Aircraft Company. Self-illuminated liquid crystal display panel. 3,811,751, 5-21-74, Cl. 350-160.01e.
Myer, Jon H., to Hughes Aircraft Company. Magnetoresistive readout for domain addressing interrogator. 3,806,899, 4-23-74, Cl. 340-174.0eb.
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Myers, Jimmy D., to Caterpillar Tractor Company. Adjustable stabilizer support for vehicles. 3,825,280, 7-23-74, Cl. 280-150.500.
Myers, John D., to Owens-Illinois, Inc. Hybrid laser structures. 3,842,368, 10-15-74, Cl. 331-94.500.
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Myren, Rune L., to Svenska Dataregister AB. Method for identification of different time intervals between pulses in an electrical pulse train and a device for performing the method. 3,800,234, 3-26-74, Cl. 328-112.000.
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Nagamatsu, Katsumi; and Saito, Takashi, to Canon Kabushiki Kaisha. Method of and apparatus for electronic color photography and photosensitive member used for the same. 3,832,170, 8-27-74, Cl. 96-1.200.

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Nagano, Yuji; and Sato, Iwao. Process for sterilizing foodstuffs and beverages. 3,852,476, 12-3-74, Cl. 426-7.000.

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Nagasaki, Yoichi, to Nippon Gakki Seizo Kabushiki Kaisha Heelholding device for safety ski bindings 3,795,407, 3-5-74, Cl. 280-11.35t

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Nagasawa, Takeshi, Kuroiwa, Katsumasa, Narita, Kouichi, Hashimoto, Reiko, and Tamaki, Kohji, to Nitto Boseki Co., Ltd. Glass fiber-reinforced plastics and process for producing the same 3,838,096, 9-24-74, Cl. 260-40.00r.

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Suzuki, Takenobu; Nagashima, Buemon; Inoue, Masayoshi; and Ito, Yoji, 3,784,904.

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Makino, Katsuo; Yoshikawa, Akira, and Nagashima, Toshio, 3,794,418.

Nagashima, Yoshinori, Hayashi, Keizo, Inoue, Mamoru, Yamazaki, Takai; Maeda, Shinichi; Kawasaki, Shigetake; and Owa, Masaru, to Mitsui Shipbuilding and Engineering Co., Ltd. Freeze process for making fresh water from brine. 3,803,860, 4-16-74, Cl. 62-58.00.

Nagasima, Takeomi, to Asahi Glass Company, Ltd. Defogging glass plate. 3,832,527, 8-27-74, Cl. 219-522.000

Nagaswa, Taro; Tomita, Mamoru; Tamura, Yoshitaka; and Mizota, Teruhiko, to Morinaga Milk Industry Co., Ltd. Process for preparing a lactulose powder by utilizing protein. 3,816,394, 6-11-74, Cl 260-209.00r.

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Nagata, Hideo: *See*—
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Shimomura, Takatoshi; Nagata, Hideo; Murakami, Yoshiaki, Sanno, Haruyoshi; and Inoue, Tadamori, 3,819,767.

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Nagata, Minoru: *See*—
Masuda, Hiroo; Masuhara, Toshiaki; Nagata, Minoru; and Kozawa, Tokinori, 3,855,610.

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Nagata, Morisue: *See*—
Sugahara, Makoto; Mori, Kenjiro; and Nagata, Morisue, 3,818,025.

Nagata, Nobuyoshi; and Mizuguchi, Ryuzo, to Nippon Paint Co., Ltd. Quick drying coatings containing copolymers having t-aliphatic hydrocarbon groups and t-aliphatic alkyd resins. 3,806,476, 4-23-74, Cl. 260-16.000.

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Nagata, Takashi; Kuwano, Satoshi, and Sasaki, Reiichi, to Matsushita Electric Industrial Co., Ltd. Method of making an encapsuled piezoelectric ceramic resonator device. 3,805,348, 4-23-74, Cl. 29-25.350.

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Nagata, Wataru; and Hayase, Yoshio, to Shionogi & Co., Ltd. Process for preparing 1-substituted vinyl phosphonates or phosphinates. 3,845,175, 10-29-74, Cl. 260-968.000.

Nagata, Wataru; and Hayase, Yoshio, to Shionogi & Co., Ltd. Reagents for aldehyde synthesis. 3,857,834, 12-31-74, Cl. 260-239.55c.

Nagata, Yasunori: *See*—
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Nagata, Yasushi. Method of manufacturing thermistor. 3,820,239, 6-28-74, Cl. 29-612.000.

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Nagatani, Norimichi; and Imamura, Toyohide, to Kokusai Keiso Co., Ltd. Vending machine with hanger carriers. 3,791,554, 2-12-74, Cl. 221-289.000.

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Nagatomo, Masatsugu: *See*—
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Nagatsu, Junsaku: *See*—
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Nagawa, Masatoshi; Suzuki, Yoshio; Matsui, Katsuaki; Iijima, Masaoki, and Tsurusaki, Yoshiyasu, to Sankyo Company Limited. Method of controlling poultry coccidiosis. 3,786,147, 1-15-74, Cl. 424-251.000.

Nagawa, Seishichiro: *See*—
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Nagayama, Kazuo, to Seiken Kogyo Kabushiki-Kaisha. Wire stripper. 3,829,951, 8-20-74, Cl. 29-203.0dt.

Nagayama, Masuzo: *See*—
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Nagayoshi, Akio; and Morii, Kenji, to Mitsubishi Petrochemical Company Limited and UC Sangyo Company Limited. Process for preparing mats having cushion. 3,816,204, 6-11-74, Cl. 156-167.000.

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Nagel, C. Rudolph. Pecan retriever. 3,790,202, 2-5-74, Cl. 294-19.00a.

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Nagel, Otto: *See*—
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Nagoshi, Fumiya; Arakawa, Hideyuki; and Saito, Kazuo, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Vinylidene chloride series resin compositions. 3,814,708, 6-4-74, Cl. 260-23.0xa.

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Nagoya, Itaru Niimi; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Mitani, Seishu; and Imanishi, Kunizo, to Toyota Jidosha Kogyo Kabushiki Kaisha. Sintered alloy having wear resistance at high temperature. 3,790,352, 2-5-74, Cl. 29-182.100.

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Nakamura, Tadahiko, to Sony Corporation. Data Input device. 3,816,770, 6-11-74, Cl. 307-308.000.
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Nakamura, Tsutomu, and Morihisa, Mitsuo, to Sharp Kabushiki Kaisha. Power supply circuit for electronic digital system. 3,818,484, 6-18-74, Cl. 340-324.00r.
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Nakamura, Yoshiatsu; and Odashima, Susumi, to Kabushiki Kaisha Komatsu Seisakusho. Governor for controlling the fuel delivery of a fuel injection pump for an internal combustion engine. 3,791,362, 2-12-74, Cl. 123-140.00r.
Nakamura, Yoshikatsu, to Nippon Piston Ring Co., Ltd. Sliding member having a spray-coated layer. 3,837,817, 9-24-74, Cl. 29-195.000.
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Nakamura, Yoshio, to Toyo Purasu Sukuryu Kabushiki Kaisha (Toyo Plus Screw Co. Ltd.). Method of manufacturing a fastener such as a bolt, rivet, or the like. 3,828,382, 8-13-74, Cl. 10-27.00r.
Nakamura, Yoshiro; and Nagatomi, Rikio, to Nippon Zeon Co., Ltd. Process for vulcanizing polyepihalohydrin rubbers. 3,787,376, 1-22-74, Cl. 260-79.000.
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Neely, Victor L.: *See*—
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Neer, Clifford H., to Burt Machine Company, Incorporated, mesne. Labelling machine. 3,787,267, 1-22-74, Cl. 156-363.000.
Nees, Stephan Hubertus Anton; and Schmidt, Wilhelm, to Colora Messtechnik GmbH. Device for extracting electrophoretically seperated substances. 3,822,197, 7-2-74, Cl. 204-299.000.
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Neff, Charles G.; and Beebe, William F., to Holland Hitch Company Dolly for tractor trailers. 3,827,723, 8-6-74, Cl. 280-476.00r.
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Neff, Clarence H., to Felt Products Mfg. Co. Method of sealing a curb and gutter roadway gap and sealing assembly therefor. 3,814,530, 6-4-74, Cl. 404-67.000.
Neff, Floyd S.; Galin, Harry; and Riddle, John B., to Micro-Magnetic Industries, Inc. Stamp dispenser. 3,792,808, 2-19-74, Cl. 226-145.000.
Neff, Frederick R. Stop motion converter. 3,811,548, 5-21-74, Cl. 198-19.000.
Neff, Frederick R. Electronic readout control. 3,828,622, 8-13-74, Cl. 74-409.000.
Neff, Joseph J., to Bell & Howell Company. Tension transducer. 3,787,690, 1-22-74, Cl. 250-231.00r.
Neff, Joseph J., to Bell & Howell Company. Azimuth adjustment particularly for magnetic heads. 3,794,769, 2-26-74, Cl. 360-109.000.
Neff, Lee M., to Transipanel Inc. Sign. 3,802,103, 4-9-74, Cl. 40-129.00e.
Neff, Ralph D., to Vernitron Corporation. Modular electrical connector. 3,808,584, 4-30-74, Cl. 339-132.00b.
Neff, Robert O.; Morrison, Kenneth V.; and Groechel, William D., to Milprint, Inc. Toothpaste tubes and similar tubular containers and methods for their manufacture. 3,817,427, 6-18-74, Cl. 222-107.000.
Neff, Wayne W. Trailer for motorcycles. 3,822,798, 7-9-74, Cl. 214-85.000.
Negado, Cesar T. Collision guard device. 3,831,921, 8-27-74, Cl. 267-139.000.
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Negishi, Kazuo, to Victor Company of Japan, Ltd. System for recording and reproducing digital signals, 3,789,139, 1-29-74, Cl. 178-6.60a.

Negishi, Masataka, to Mamiya Koki Kabushiki Kaisha. Circuit for storing a representation of an incident light quantity in a camera, 3,809,992, 5-7-74, Cl. 320-1.000.

Negishi, Satoshi, to Tokyo Shibaura Electric Co., Ltd. Light controllable charge transfer device, 3,787,823, 1-22-74, Cl. 340-173.01s.

Negra, John S.; Tourtellotte, John T.; and Warshaw, Abe, to Chemical Construction Corporation. Process and catalyst for treating combustion exhaust gas, 3,840,642, 10-8-74, Cl. 423-213.700.

Negrevergne, Georges, to Purdue Frederick Company, The. Pyrazolidone derivatives substituted on the 4-position with pectin or algin, 3,790,558, 2-5-74, Cl. 260-209.500.

Negrevergne, Georges, to Purdue Frederick Company, The. Novel pyazolidone derivatives in pharmaceutical compositions and methods, 3,833,729, 9-3-74, Cl. 424-273.000.

Nehen, Ulrich: *See*—
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Neher, Hans, to Hengstler, J., K.G. Mechanical counter, 3,811,032, 5-14-74, Cl. 235-1.00c.

Neher, James A. Ground automatic disconnect system, 3,826,954, 7-30-74, Cl. 317-135.000.

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Nehr, Charles W., to Rockwell International Corporation. Brake, 3,797,613, 3-19-74, Cl. 188-79.5ge.

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Neidl, Georg. Pump, 3,843,062, 10-22-74, Cl. 241-46.110.

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Neidorf, Samuel W.; and Arnold, Howard K., to Bar-O-Matic Sales Co. Liquid dispensing apparatus, 3,788,343, 1-29-74, Cl. 137-209.000.

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Neii, Radhakrishna Murty; Sawa, Kenneth B.; and Bing, Colin C., to Beckman Instruments, Inc. Specific ion electrode and method of making said electrode, 3,787,309, 1-22-74, Cl. 204-195.00m.

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Neil, Peter C., to Standard Oil Company (Indiana). Transporting and trimmer apparatus for plastic film having thermoformed articles therein, 3,808,927, 5-7-74, Cl. 83-228.000.

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Neillie, William Frederick Soutar; and Tune, John Barry, to Lever Brothers Company. Detergent compositions containing an alkali metal carbonate, 3,850,852, 11-26-74, Cl. 252-536.000.

Neilon, Claude R.; and Willke, Herbert L., to Armco Steel Corporation. Apparatus for handling drill pipe, 3,795,326, 3-5-74, Cl. 214-2.00s.

Neilsen, Hildaur L., to Zephyr American Corporation. Card holding device, 3,817,393, 6-18-74, Cl. 211-50.000.

Neilsen, Hildaur L. Deburring devices, 3,827,270, 8-6-74, Cl. 72-199.000.

Neilsen, William, to Hydrostatic Technology Inc. Caliper brake, 3,791,492, 2-12-74, Cl. 188-170.000.

Neilson, John Manning; and Weisberg, Harry, to RCA Corporation. Thyristor devices, 3,855,611, 12-17-74, Cl. 357-38.000.

Neilson, John Manning Savidge, to RCA Corporation. Thyristor having capacitively coupled control electrode, 3,831,187, 8-20-74, Cl. 357-38.000.

Neilson, Marion H. Drawsheet enabling user to easily slide thereon, 3,849,813, 11-26-74, Cl. 5-334.00r.

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Neises, Helmut, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Dry mixtures for producing acid-resistant cement and mortar compositions, 3,813,253, 5-28-74, Cl. 106-84.000.

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Neitzel, Ulrich E. G., to Irving Trust Company, mesne. Crystallization of sodium chloride, 3,832,143, 8-27-74, Cl. 23-296.000.

Neitzel, Ulrich E. G.; and Andreasen, Frederick J., to Great Salt Lake Minerals & Chemical Corporation. Moist road salt composition and process for making the same, 3,833,504, 9-3-74, Cl. 252-70.000.

Neitzel, Ulrich E. G.; Flint, Hans Gerhard; and Lukes, Jerome A., to Great Salt Lake Minerals & Chemical Corporation. Recovery of substantially potassium-free hydrated magnesium chloride from contaminated aqueous solutions, 3,852,044, 12-3-74, Cl. 23-298.00.

Neitzel, Walter, to Voith, J. M., GmbH. Apparatus for pulping and grading of waste paper, 3,844,488, 10-29-74, Cl. 241-43.000.

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Nekrasov, Lev Borisovich; Misnik, Jury Mikhailovich; Tsukernik, Zolya Samuilovich; Kriger, Semen Davidovich; and Kilkeev, Renat Shakhimardanovich. Excavator bucket with electromagnetic field weakening teeth, 3,824,718, 7-23-74, Cl. 37-118.00r.

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Nelson, Albert W., to Koehring Company. Self-propelled soil stabilizer machine, 3,795,279, 3-5-74, Cl. 172-3.000.

Nelson, Alfred Dwayne; and Goken, Garold L., to Minnesota Mining and Manufacturing Company. Method of forming adhesively bonded rail joint, 3,837,948, 9-24-74, Cl. 156-71.000.

Nelson, Alfred M.; McPherson, Robert G.; and Martin, Maurice S., to Cubic Industrial Corporation, mesne. Selectro mechanism including cassette storage, 3,831,749, 8-27-74, Cl. 209-110.500.

Nelson, Alfred R., to Dow Chemical Company, The. Copolymeric latexes made water-redispersible by presence of six-membered carbocyclic compound having two vicinal carboxyl substituents, 3,822,230, 7-2-74, Cl. 260-29.60h.

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Nelson, Bud D.; and Brennan, William M., to United States of America, Navy. Inflation and evacuation system for an air cushion landing system, 3,826,449, 7-30-74, Cl. 244-100.00r.

Nelson, Carl E.; and Scriabine, Alexander, to Merck & Co., Inc. Hydralazine and beta-adrenergic blocking agent compositions for treating hypertension, 3,833,727, 9-3-74, Cl. 424-248.000.

Nelson, Carl S., Jr., to Opsonar Organ Corporation, mesne. Musical recording with re-entry track, 3,813,498, 5-28-74, Cl. 179-100.30r.

Nelson, Carl T.; and Dobkin, Robert C., to National Semiconductor Corporation. Current limiting circuit, 3,796,943, 3-12-74, Cl. 323-9.000.

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Nelson, Christopher M., to United States of America, Atomic Energy Commission. Television system for precisely measuring distances, 3,783,189, 1-1-74, Cl. 178-6.800.

Nelson, Dana W., to Dresser Industries, Inc. Prepositioning device for a blend control valve, 3,838,797, 10-1-74, Cl. 222-134.000.

Nelson, David A., to Dow Chemical Company, The. Plasticized vinyl chloride polymers containing alkyloxmethyl diphenyl oxides, 3,856,739, 12-24-74, Cl. 260-33.20r.

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Nelson, Donald F. Balanced steerable power transmission, 3,851,614, 12-3-74, Cl. 115-35.000.

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Nelson, Donald R., to Goddard Industries, Inc. Mixing valve 3,809,124, 5-7-74, Cl. 137-625.410.

Nelson, Edward Crowell; and Marner, Alfred William, to Union Carbide Corporation. Consumable welding wire, 3,802,874, 4-9-74, Cl. 75-123.00j.

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Nelson, Everett J., to Boeing Company, The. Four-quadrant multiplier-notch filter demodulator, 3,852,672, 12-3-74, Cl. 328-1.000.

Nelson, Frank M., to Xerox Corporation. Microprogrammable control memory diagnostic system, 3,838,260, 9-24-74, Cl. 235-153.0ak.

Nelson, Fred Eugene, to General Electric Company. Low noise dimmer for fluorescent lamps, 3,819,982, 6-25-74, Cl. 315-94.000.

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Nelson, Gerald P. Airplane-mounted sign, 3,849,921, 11-26-74, Cl. 40-212.000.

Nelson, Gerald V.: *See*—
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Nelson, Gordon L.; and Webb, Jimmy L., to General Electric Company. Apparatus for determining the oxygen index of liquid and non-moulded solids, 3,820,379, 6-28-74, Cl. 73-15.00r.

Nelson, Gunner E.; and Pearson, Tillmon H., to Ethyl Corporation. α,α' Carboxyalkoxy succinic acid compounds as detergent builders and sequestering agents, 3,784,486, 1-8-74, Cl. 252-546.000.

Nelson, Gunner E., to Ethyl Corporation. Preparation of aromatic hydrocarbons, 3,787,512, 1-22-74, Cl. 260-668.00e.

Nelson, Howard F., 1/2 to Lemieux, George. Vise for tubular articles, 3,837,632, 9-24-74, Cl. 269-48.100.

Nelson, Isaac Hilton; and Spinks, Heyward Taylor, to Ambac Industries, Incorporated. Trolling motor structure, 3,814,961, 6-4-74, Cl. 310-87.000.

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Nelson, James E. Tamperproof alarm switch, 3,835,461, 9-10-74, Cl. 340-274.000.
Nelson, James M.; and Odegaard, Clayton T. Watercraft and transport therefor, 3,802,006, 4-9-74, Cl. 9-1.00t.
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Nelson, Jerome W.; Pollock, Robert E.; and Randolph, James B., to CRC-Crose International, Inc. Apparatus and method for welding joints between metal shapes, 3,806,694, 4-23-74, Cl. 219-124.000.
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Nelson, Jerome W.; Andolph, James B.; and Miller, Ford S., to Cre-Crose International, Inc. Universal carriage apparatus for operating on pipes and analogous workpieces of various diameters, 3,844,468, 10-29-74, Cl. 228-13.000.
Nelson, John, to Leesona Corporation. Bobbin, 3,782,657, 1-1-74, Cl. 242-125.100.
Nelson, John; and Schultz, Robert J., to Emhart Corporation. Container twisting structure for rinser or the like, 3,797,641, 3-19-74, Cl. 193-43.00a.
Nelson, John E., to Diamond Power Specialty Corporation. Method and apparatus for cleaning heated surfaces, 3,782,336, 1-1-74, Cl. 122-379.000.
Nelson, John Edward; and Stock, Norman Astor, to Dominion Engineering Works Limited. Load equalized transmission, 3,844,184, 10-29-74, Cl. 74-665.0ga.
Nelson, John Frederick: *See—*
Swick, Edwin Grant; and Nelson, John Frederick, 3,810,279.
Nelson, John M., to Bernzomatic Corporation. Burner for low pressure LPG torch, 3,806,038, 4-23-74, Cl. 239-407.000.
Nelson, John M., to Bernzomatic Corporation. Lantern with igniter, 3,843,311, 10-22-74, Cl. 431-109.000.
Nelson, John R. Assembly, 3,834,370, 9-10-74, Cl. 126-137.000.
Nelson, John Russell: *See—*
Smith, Lester C.; Ziffer, Garret F.; and Nelson, John Russell, 3,851,972.
Nelson, John Russell, to Coulter Electronics Inc., mesne, Slide mounting apparatus for microscopy, 3,848,962, 11-19-74, Cl. 350-86.000.
Nelson, Kyler F.: *See—*
Reinis, Gedeminas J.; and Nelson, Kyler F., 3,853,555.
Nelson, Kyler F.; and Reinis, Gedeminas J., to Xerox Corporation. Imaging process, 3,844,780, 10-29-74, Cl. 96-1.00m.
Nelson, L. R., Corporation, mesne: *See—*
Maple, Steven E., 3,785,563.
Nelson, Leon Franklin, to Deere & Company. Harvester pickup, 3,815,346, 6-11-74, Cl. 56-364.000.
Nelson, Leon Franklin, to Deere & Company. Forage harvester, 3,851,450, 12-3-74, Cl. 56-14.400.
Nelson, Leonard, to Custom Tool & Machine Co., Inc. Machine tool vise, 3,788,635, 1-29-74, Cl. 267-244.000.
Nelson, Lloyd A., to Gerber Products Company. Glass jar handling system, 3,785,516, 1-15-74, Cl. 214-152.000.
Nelson, Lloyd A., to Gerber Products Company. Method and apparatus for detecting partially-filled or absent containers in a sealed shipping carton, 3,828,193, 8-6-74, Cl. 250-360.000.
Nelson, Lorne W., to Honeywell Inc. Combustion control apparatus, 3,795,476, 3-5-74, Cl. 431-90.000.
Nelson, Lorne W., to Honeywell Inc. Combustion control apparatus, 3,827,849, 8-6-74, Cl. 431-90.000.
Nelson, Lowell F., to Enterprise Brass Works. Shut-off valve assembly with condition responsive trip means, 3,811,456, 5-21-74, Cl. 137-39.000.
Nelson, Marvin A.: *See—*
Bergles, Joseph L.; and Nelson, Marvin A., 3,823,825.
Nelson, Mellin G. Sealed, upstanding, closed, propeller well for power boats, 3,842,784, 10-22-74, Cl. 115-.50r.
Nelson, Milton E. Method of manufacture of lightweight, High-speed dental drill, 3,842,632, 10-22-74, Cl. 72-70.000.
Nelson Muffler Corporation: *See—*
Hansen, Joseph A., 3,827,531.
Nelson, Nels S.; and Piper, Harlow H., to Caterpillar Tractor Company. Seat belt slack adjuster mechanism, 3,831,226, 8-27-74, Cl. 24-196.000.
Nelson, Noral. Multipurpose fireplace, 3,805,762, 4-23-74, Cl. 126-4.000.
Nelson, Norman A.: *See—*
Garrett, Michael R.; Putch, Samuel W.; and Nelson, Norman A., 3,856,037.
Nelson, Norman C.; and Harley, Daniel C., to Kel-Lite Industries, Inc. Rechargeable flashlight, 3,829,676, 8-13-74, Cl. 240-10.6ch.
Nelson, Norman E., to Minnesota Mining and Manufacturing Company. Collapsing pin roller for tape cassette, 3,829,040, 8-13-74, Cl. 242-199.000.
Nelson, Paul A.; and Kumar, Romesh, to United States of America, Atomic Energy Commission. Method of measuring the tritium concentration in a high-temperature environment, 3,797,299, 3-19-74, Cl. 73-19.000.
Nelson, Paul C., to Houdaille Industries, Inc. Workpiece positioning mechanism for a punch press, 3,807,578, 4-30-74, Cl. 214-1.00r.
Nelson, Paul E.; and Peterson, Russell H., to Honeywell Information Systems, Inc. Automatic diagnostic system, 3,787,670, 1-22-74, Cl. 235-153.0ac.
Nelson, Perry L.: *See—*
Bigler, E. Ray; Camp, Thomas L.; and Nelson, Perry L., 3,820,281.
Nelson, Peter H., to Syntex Corporation. Process for preparing 2-(6-methoxy-2-naphthyl) propionic acid and intermediates therefor, 3,828,033, 8-6-74, Cl. 260-240.00r.
Nelson Research & Development Company: *See—*
Dea, Frank J.; and Nelson, Eric L., 3,849,553.
Smythies, John R., 3,824,313.
Nelson, Richard B.; Lien, Erling L.; and Miram, George V., to Varian Associates. Magnetic structure for focusing of linear beams, 3,832,596, 8-27-74, Cl. 315-3.500.
Nelson, Richard E.: *See—*
Baumbach, Bertram W.; and Nelson, Richard E., 3,849,750.
Nelson, Richard E., to Dover Corporation. Pump rotor adjustment mechanism, 3,791,779, 2-12-74, Cl. 418-30.000.
Nelson, Richard E., to Honeywell Inc. Three-way snap-acting gas valve, 3,800,828, 4-2-74, Cl. 137-625.000.
Nelson, Richard Stuart: *See—*
Dearnaley, Geoffrey; and Nelson, Richard Stuart, 3,830,668.
Nelson, Richard Stuart; Mazey, David John; and Hudson, John Adrian, to United Kingdom Atomic Energy Authority. Methods of treating steel surfaces to modify their structure, 3,832,219, 8-27-74, Cl. 117-93.300.
Nelson, Robert C. Dual rope clamp, 3,793,682, 2-26-74, Cl. 24-134.00p.
Nelson, Robert E.; and Watts, Oran A., III, to General Motors Corporation. Timing circuit, 3,852,623, 12-3-74, Cl. 307-293.000.
Nelson, Robert T.: *See—*
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Nelson, Rodney W., to Robertshaw Controls Company. Automatic pilot valve magnet contact construction, 3,810,054, 5-7-74, Cl. 335-220.000.
Nelson, Roger E.: *See—*
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Nelson, Roger E.; and Lucky, Clyde L., to Sierracin Corporation, The. Laminated security window system, 3,825,920, 7-23-74, Cl. 340-274.000.
Nelson, Roger John, to Deere & Company. Pump assembly for power steering system, 3,813,188, 5-28-74, Cl. 417-202.000.
Nelson, Roger P.: *See—*
Hess, Hans-Jurgen E.; and Nelson, Roger P., 3,808,335.
Hess, Hans-Jurgen E.; and Nelson, Roger P., 3,814,766.
Nelson, Rolland W. Preservative and nitrate reducing agent for raw agricultural crops, 3,798,321, 3-19-74, Cl. 424-128.000.
Nelson, Ronald D.: *See—*
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Nelson, Roy A. Orchard tree covering device, 3,791,069, 2-12-74, Cl. 47-21.000.
Nelson, Roy A., to LTV Aerospace Corporation. Linear induction control system, 3,792,665, 2-19-74, Cl. 104-148.01m.
Nelson, Roy A., to Spellbinder, Inc. Card Selection system, 3,795,063, 3-5-74, Cl. 35-35.00d.
Nelson, Roy A., to LTV Aerospace Corporation. Transportation system, 3,812,789, 5-28-74, Cl. 104-130.000.
Nelson, Roy A., to LTV Aerospace Corporation. Transportation system, 3,814,025, 6-4-74, Cl. 104-242.000.
Nelson, Roy A., to LTV Aerospace Corporation. Vehicle drive means, 3,847,089, 11-12-74, Cl. 104-148.01m.
Nelson, Scott N. Mathematical cube puzzle, 3,788,645, 1-29-74, Cl. 273-156.000.
Nelson, Sidney P.: *See—*
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Nelson, Stanley, to Makin, J & J., Limited. Flexible sheet material, 3,850,673, 11-26-74, Cl. 117-76.00a.
Nelson, Stanley Oscar, to Lockheed Missiles & Space Company, Inc. Torque compensated walking beam, 3,786,888, 1-22-74, Cl. 180-24.110.
Nelson, Ted, Company: *See—*
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Nelson, Terence John: *See—*
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Nelson, Terry N.: *See—*
Stahel, Alwin J., II; and Nelson, Terry N., 3,832,775.
Nelson, Theodore C.; and Cummings, Arthur Truman. Cutter heads for lawn trimmers and edgers and woodcarving tools, 3,815,234, 6-11-74, Cl. 30-347.000.
Nelson, Theodore M.; and Goldie, Harry, to Westinghouse Electric Corporation. Receiver protection method and apparatus, 3,858,125, 12-31-74, Cl. 333-13.000.
Nelson, Tom Worsley; Sedgwick, Gordon; and Lindop, Roy, to Lucas, Joseph, (Industries) Limited. Flame tubes, 3,854,503, 12-17-74, Cl. 138-37.000.
Nelson, Vaugh A.: *See—*
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Nelson, Vaughn A.; Fadden, Donald K.; and Lech, Richard J., to International Harvester Company. Hydraulic control valve with pressure sensitive latch, 3,837,359, 9-24-74, Cl. 137-624.270.
Nelson, Verner R.: *See—*
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Nelson, Victor R. Articulated conveyor, 3,815,482, 6-11-74, Cl. 93-36.00r.
Nelson, Victor R. Apparatus for counting and stacking sheet material, 3,834,290, 9-10-74, Cl. 93-93.00c.
Nelson, Wesley C. Valve shutoff device, 3,791,396, 2-12-74, Cl. 137-38.000.
Nelson, William A.: *See—*
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Nelson, William B., to Gunson's Sortex, Limited. Recovery of packaged contents, 3,834,630, 9-10-74, Cl. 241-19.000.
Nelson, William F.: *See—*
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Nelson, William Junior; and Hinman, Charles William; deceased (by Deitchler, Roy W.; administrator), to Standard Brands Incorporated. Process for purifying glucose syrups containing fructose, 3,784,409, 1-8-74, Cl. 127-46.00a.
Nelsson, Nels, to United States Gypsum Company. Integral stud and bracket standard, 3,810,340, 5-14-74, Cl. 52-729.000.
Nelsson, Nels; Marchello, Maurice J.; and Thulin, Frederick A., Jr., to United States Gypsum Company. Crimped end load bearing member and assemble thereof, 3,831,333, 8-27-74, Cl. 52-241.000.
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Nemec, Charles A.: *See—*
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Nemec, Frank A., Thayer, Stuart W.; Eckert, William S., Horn, Marion F.; and Dunn, Roland J., Jr., to Lykes Bros. Steamship Co., Inc. Barge with releasable supports, 3,830,177, 8-20-74, Cl. 114-26.000.
Nemec, Jiri, Bures, Ladislav; and Rajnoha, Jaroslav, to Ehtex, Zavody textilniho strojirenstvi generalni reditelstvi. Apparatus for splicing a yarn with newly spun yarn in open end spinning, 3,815,347, 6-11-74, Cl. 57-34.00r
Nemec, John E., to General Tire & Rubber Company, The. Energy absorbing buckling box, 3,784,181, 1-8-74, Cl. 267-140.000
Nemec, John E., to General Tire & Rubber Company, The. Torsional energy absorber, 3,795,392, 3-5-74, Cl. 267-140.000.
Nemec, Joseph W.; and Schlaefer, Francis W., to Rohm & Haas Company. Catalyst and method of manufacture, 3,790,502, 2-5-74, Cl. 252-439.000
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Nemeth, Edward, and Gromek, Joseph, to VIP Machinery Inc. Apparatus for the application of shrink tubing, 3,812,568, 5-28-74, Cl. 29-203.00d.
Nemeth, Edward J., to United States Steel Corporation. Use of reducing gas by coal gasification for direct iron ore reduction, 3,853,538, 12-10-74, Cl. 75-35.000
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Nemit, Jeffrey T., to International Telephone and Telegraph Corporation. Wide-angle planar-beam antenna adapted for conventional or doppler scan using dielectric lens, 3,795,002, 2-26-74, Cl. 343-754.000.
Nemit, Jeffrey T., to International Telephone and Telegraph Corporation. Network approach for reducing the number of phase shifters in a limited scan phase array, 3,803,625, 4-9-74, Cl. 343-854.000.
Nemo Corporation: *See—*
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Nemoto, Isao, to Kabushiki Kaisha Suwa Seikosha. Day-date advancing structure for a timepiece, 3,789,602, 2-5-74, Cl. 58-58.000.
Nemoto, Iuhei; Shiraishi, Michihiko; and Syuto, Toshiyuki, to Dainippon Ink and Chemicals, Incorporated. Radiation curable printing ink, 3,803,109, 4-9-74, Cl. 260-89.100.
Nemoto, Kenji; and Saito, Akira, to Kabushiki Kaisha Daini Seikosha. Automatic lathe, 3,800,635, 4-2-74, Cl. 82-2.500.
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Nemoto, Tadashi; Kuniya, Keiichi; and Tamamura, Takeo, to Hitachi, Ltd. Composite iron-base metal product, 3,837,931, 9-24-74, Cl. 148-12.400.
Nemoto, Tadashi; Watanabe, Kiyoshi; Kobayashi, Tadaaki, Ishihara, Joo; Ono, Kenji; and Sonomoto, Kazuhiko, to Hitachi, Ltd. and Hitachi Metals, Ltd. Work roll for hot rolling, 3,855,015, 12-17-74, Cl. 148-34.000.
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Nennen, John Joseph, to Deere & Company. Forage harvester cutterhead, 3,797,766, 3-19-74, Cl. 241-282.200
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Nepovim, Zdenek, to Lindsay Specialty Products Limited. Cable connector. 3,846,738, 11-5-74, Cl. 339-177.00r.

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Nercer, Norman J. Appliance construction for use as a hairdressing tool and as a steam iron. 3,800,810, 4-2-74, Cl. 132-9.000.

Nercessian, Sarkis, to Forbro Design Corporation. Digital to analog converter. 3,836,907, 9-17-74, Cl. 340-347.0da.

Nerger, David. Ski carrying case. 3,837,548, 9-24-74, Cl. 224-45.00s.

Neri, Carlo; and Perrott, Emilio, to Snam Progetti S.p.A. Process for the preparation of trivalent cobalt complexes. 3,787,464, 1-22-74, Cl. 260-439.00r.

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Nerwin, Hubert, to Eastman Kodak Company. Photographic diffusion transfer film unit with disposable pod and trap. 3,794,490, 2-26-74, Cl. 96-76.00c.

Nesbit, Alice F. Ring with magnetically secured shim held by adhesively secured member. 3,835,664, 9-17-74, Cl. 63-15.600.

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Nesbitt, John D., and Fejer, Mark E., to Institute of Gas Technology. Process for pre-treating and melting glassmaking materials. 3,788,832, 1-29-74, Cl. 65-134.000.

Nesbitt, John D.; Larson, Dennis H.; and Fejer, Mark E., to Leone International Sales Corporation, mesne. Glass melting furnace and process. 3,856,496, 12-24-74, Cl. 65-29.000.

Neshumaev, Anatoly Dmitrievich; Goncharov, Boris Konstantinovich; Smolyar, Anatoly Alexeevich; and Chigir, Leonid Nikolaevich. Cutting tool. 3,812,763, 5-28-74, Cl. 90-11.00a.

Neskora, Daniel R.; Brown, Robert L.; and Sliepcevich, Cedomir M., to University Engineers, Inc. Continuous preparation of pure metals by hydrogen reduction. 3,833,351, 9-3-74, Cl. 75-.50a.

Ness, Clemet M. Snowmobile loading ramp. 3,837,663, 9-24-74, Cl. 280-8.000.

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Nesslage, Donald J.; and Yu, Lin S., to Phelps Dodge Industries, Inc. Copper-base alloy containing titanium and antimony. 3,832,241, 8-27-74, Cl. 148-12.700.

Nessler, Andrei Maximilianovich; Raag, Frants Ivanovich; Savelieva, Maria Pavolovna; Vikhrova, Agrippina Gavrilovna; and Dmitriev, Leonid Sergeevich. Device for twisting natural and synthetic fibre yarns into a single thread. 3,834,146, 9-10-74, Cl. 57-58.40.

Nesson, Israel; Palmer, Robert G.; and Faris, Edwin E., to Berkey Photo, Inc. Device for use with self-developing film. 3,797,026, 3-12-74, Cl. 95-13.000.

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Nesta, Charles; Jackson, Earl V.; Hoesly, David D.; Schoppe, Wayne F.; Squassoni, Gino F., and Warter, Peter J., to Xerox Corporation. Photoelectrophoretic imaging apparatus with correction for parallax. 3,809,471, 5-7-74, Cl. 355-3.00p.

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Nesteruk, Edward P. Method of applying a hot luster coating to glass by electrostatic means. 3,811,925, 5-21-74, Cl. 117-93.40r.

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Nestleroth, Paul Lavern, to RCA Corporation. Electrode support strap. 3,857,058, 12-24-74, Cl. 313-417.000.

Nestor, Leonard R., to Minnesota Mining and Manufacturing Company. Self-tightening coupler. 3,790,292, 2-5-74, Cl. 403-351.000.

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Nesvadba, Emil: *See*—
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Neta, Thomas E.: *See*—
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Nethling, Carl H. Radiant tunnel. 3,823,660, 7-16-74, Cl. 99-386.000.

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Nett, Rudolph E., to United States of America, Army. Blind mating connector for missile sections. 3,855,934, 12-24-74, Cl. 102-70.00r.

Netta, Louis A., to Thomas & Betts Corporation. Protective device for a power tool. 3,840,987, 10-15-74, Cl. 30-90.100.

Nette, Otto: *See*—
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Netter, Felix P. Small vehicle lift. 3,788,414, 1-29-74, Cl. 180-8.710.

Netter, Jean, Firma: *See*—
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Netting, David L., to Philadelphia Quartz Company. Hollow spheres consisting of alkali metal silicate and a polysalt. 3,794,503, 2-26-74, Cl. 106-288.00b.

Netting, David L., to Philadelphia Quartz Company. Method of making hollow spheres by spray drying. 3,796,777, 3-12-74, Cl. 264-13.000.

Nettles, Michael L., to International Business Machines Corporation. Continuous compliant guide for moving web. 3,850,358, 11-26-74, Cl. 226-198.000.

Nettles, Robert G., to Johnson Service Company, mesne. Signal comparator circuit for analog control systems. 3,849,674, 11-19-74, Cl. 307-253.000.

Nettleship, John Adrian: *See*—
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Nettli, Per, to A/S Apothekernes Laboratorium for Specialpraeparator. Process for removing proteins and decomposition products thereof from waste water. 3,842,003, 10-15-74, Cl. 210-43.000.

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Netz, Otto: *See*—
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Netzel, Philip C., to I-T-E Imperial Corporation. Double break high voltage disconnect switch. 3,830,994, 8-20-74, Cl. 200-48.00r.

Netznik, Raymond G. Production of windowed face plates. 3,853,576, 12-10-74, Cl. 117-5.500.

Neu, Frank D.: *See*—
Wohlmut, Peter G.; and Neu, Frank D., 3,848,095.

Neu, Georges; and Valin, Jean, to Compagnie Internationale pour l'Informatique. Binary data information stores. 3,806,894, 4-23-74, Cl. 340-173.00r.

Neu, John P., to GTE Automatic Electric Laboratories Incorporated. Matrix assembly. 3,784,878, 1-8-74, Cl. 317-101.0ee.

Neubauer, Joseph J. N.: *See*—
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Neubauer, Lewis, 20% to Lee, Raymond, Organization, Inc., The. Word plus word game. 3,831,938, 8-27-74, Cl. 273-1.00r.

Neubauer, Pierre: *See*—
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Neubert, Fred J.: *See*—
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Neuenburg, Henry. Motor driven chiseling device. 3,837,230, 9-24-74, Cl. 74-47.000.

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Neuers, Lucien, to Thomson-CSF. Anchoring system for a structure carried by a vehicle supporting heavy bodies. 3,820,816, 6-28-74, Cl. 280-150.500.

Neuf, Donald, to RHG Electronics Laboratory, Inc. Image recovery receiver. 3,831,097, 8-20-74, Cl. 325-446.000.

Neufang, Karlheinz, to Siemens Aktiengesellschaft. Four-wire switching of junctions in tdm pcm switching centers under stored program control. 3,790,713, 2-5-74, Cl. 179-15.0at.

Neufeld, Alonzo J. Notched surgical pin and breaking tool therefor. 3,842,824, 10-22-74, Cl. 128-92.0ba.

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Neugebauer, Gerhard, to Wiegand, Alexander, Armaturen- und Manometerfabrik. Miniature pressure gauge. 3,810,390, 5-14-74, Cl. 73-418.000.

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Neugroschl, Ernst J., to Goodyear Tire & Rubber Company, The. Tire curing monitoring and control method. 3,836,614, 9-17-74, Cl. 264-40.000.

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Neuman, Milton C., to FMC Corporation. Piston for swash plate pump. 3,828,657, 8-13-74, Cl. 92-258.000.

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Neumann, Charles G.: *See*—
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Neumann, Charles G.; Krueger, Harvey R.; and Panock, Walter, to Reynolds Products, Inc. Plate type ice maker. 3,803,869, 4-16-74, Cl. 62-32.00u.

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New, Robert V. Method of reducing environmental pollution by utilizing stack gases, resulting from the burning of fossil fuels, and water, including sea water, to manufacture hydrocarbon energy fuel, potable water and other commercial products. 3,820,965, 6-28-74, Cl. 48-197.00r.
New Standard Company, Inc., The: *See*—
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Newallis, Peter E.; Pojf, Albert J.; and Epstein, Peter F., to Chemagro Corporation. Heterocyclic alkylthiocyanate and isothiocyanate plant growth regulators. 3,844,761, 10-29-74, Cl. 71-76.000.
Newberry, James Henry, Jr. Fence panel. 3,801,072, 4-2-74, Cl. 256-19.000.
Newberry, John; and Ettie, Alan George Albert Edward, to British Insulated Callender's Cables Limited. Method of and apparatus for drawing wire. 3,810,380, 5-14-74, Cl. 72-279.000.
Newberry, Meigs W., to General Instrument Corporation. Stop Mechanism for UHF tuner or the like. 3,839,917, 10-8-74, Cl. 74-10.410.
Newberry, Robert Anthony, to Wyeth, John, & Brother Limited. 2-(Halophenyl)-1H-benz[g]indol-3-ylacetic acid derivatives. 3,845,073, 10-29-74, Cl. 260-326.13r.
Newbold, Geoffrey Tattersall. *See*—
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Newbold, Thomas, to TRW Inc. Connector for insulated conductors and method for manufacturing said connector. 3,784,731, 1-8-74, Cl. 174-87.000.
Newbould, Richard J. Indexing mechanism. 3,846,912, 11-12-74, Cl. 33-1.00d.
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Newburgh, Ronald G., to United States of America, Air Force. Ring laser utilizing an optical retardation plate to prevent beam locking. 3,791,738, 2-12-74, Cl. 356-106.01r.
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Newcomb, Harley M., Sparer, Seno, and Abrahamson, Robert K., to Apeco Corporation. High speed copy machine. 3,815,990, 6-11-74, Cl. 355-13.000.
Newcomb, Sidney M. Bottle orienting device. 3,782,517, 1-1-74, Cl. 193-43.00r.
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Newcombe, Jack; Dotson, Anderson O., Jr., and Olechowski, Jerome Robert, to Cities Service Company. Cyclododecylmethyl cyclododecanecarboxylates. 3,792,078, 2-12-74, Cl. 260-468.00r
Newcombe, Jack, to Cities Service Company. Non-catalytic oxidation of cyclododecanecarboxaldehyde to cyclododecanecarboxylic acid. 3,792,085, 2-12-74, Cl. 260-514.00r
Newcombe, Jack; and Dotson, Anderson O., Jr., to Cities Service Company. Bromination of unsaturated hydrocarbons in mixed solvents. 3,833,675, 9-3-74, Cl. 260-648.00r.
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Newell, Alfred Torenne; and Wolfe, Larry Winfred. Condition responsive closure device. 3,802,479, 4-9-74, Cl. 160-1.000.
Newell, Arthur E. Cast protective device. 3,802,424, 4-9-74, Cl. 128-82.000
Newell, Arthur F., to Pneumatic Scale Corporation. Carton magazine and means for loading the same. 3,831,784, 8-27-74, Cl. 214-7.000.
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Newell, Cyril, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's

Government of the. Ejector release units. 3,784,132, 1-8-74, Cl. 244-137.00r.
Newell, E. Package carrier. 3,830,418, 8-20-74, Cl. 224-48.00d.
Newell, George F., to Westinghouse Electric Corporation. Time compression of audio signals. 3,789,137, 1-29-74, Cl. 178-6.600.
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Newingham, Thomas D.; Reechuite, Alexander D.; Griffith, John Q., III; and Haseltine, Marcus W., Jr., to Sun Research and Development Co., mesne. Lubricant for controlled-slip differential. 3,825,495, 7-23-74, Cl. 252-32.70e.
Newingham, Thomas D.; Amaroso, James R.; Coppock, Walter J.; and Williams, Edward S., to Sun Oil Company of Pennsylvania. Mist lubricant. 3,855,135, 12-17-74, Cl. 252-15.000.
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Newkirk, Reginald H. Vibratory cushion. 3,831,591, 8-27-74, Cl. 128-33.000.
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Newman, Albert P.; and Haun, Clem Edward, to Empire Products, Inc. Electrical connector with retainer means. 3,784,964, 1-8-74, Cl. 339-219.00r.
Newman, Barry G., to Marc Manufacturing Inc. Floor mat with electrical switch. 3,821,500, 6-28-74, Cl. 200-86.000.
Newman, Donald J.; Williams, Donald J.; and Berg, John R., to Minnesota Mining and Manufacturing Company. Wide latitude copy sheet. 3,795,532, 3-5-74, Cl. 117-36.200.
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Newman, Martin; and Frankel, Alvin L. Air guide and hair brush support device. 3,835,869, 9-17-74, Cl. 132-9.000.
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Newman, Nicholas S., to Kendall Company, The. Process for applying an aqueous dispersion of short, binder coated fibers to a drylaid nonwoven fabric. 3,816,159, 6-11-74, Cl. 117-28.000.
Newman, Nicholas S.; Alexander, Robert R.; and Sheldon, Donald A., to Kendall Company, The. Filter media. 3,831,766, 8-27-74, Cl. 210-508.000.
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Newman, Norman; and Eisch, Richard S., to Minnesota Mining and Manufacturing Company. Film element and method for production of spatially distinct dye and silver photographic images. 3,819,372, 6-25-74, Cl. 96-4.000.
Newman, Norman; Fisch, Richard S.; and Furlanetto, Enrico, to Minnesota Mining and Manufacturing Company. Color development process and compositions. 3,833,376, 9-3-74, Cl. 96-55.000.
Newman, Peter M.; and Rowan, Daniel P. Light box assembly. 3,790,772, 2-5-74, Cl. 240-10.00r.
Newman, Reginald F., to Electronic Memories & Magnetics Corporation. Circuit module lead forming machine. 3,857,420, 12-31-74, Cl. 140-71.00r.
Newman, Robert H.; and Pluck, Mervyn M., to General Electric Company. Power supply system for television receiver. 3,845,352, 10-29-74, Cl. 315-393.000.
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Newson, Brian George; and Tombs, Michael Peter, to Lever Brothers Company. Extraction of protein from seed. 3,794,735, 2-26-74, Cl. 426-364.000.
Newson, Esmond John, to Haldor Topsoe A/S. Desulfurization process. 3,844,936, 10-29-74, Cl. 208-108.000.
Newstead, Charles; and Wright, Andrew Charles Walden, to Girling Limited. Shoe-drum brakes for vehicles. 3,807,536, 4-30-74, Cl. 188-345.000.
Newstead, Charles; and Wright, Andrew Charles Walden, to Girling Limited. Hydraulic actuating means for vehicle brakes. 3,828,898, 8-13-74, Cl. 188-345.000.
Newstead, Charles, to Girling Limited. Disc brakes. 3,842,949, 10-22-74, Cl. 188-170.000.
Newswanger, Paul S. Automatic vise jaw. 3,792,851, 2-19-74, Cl. 269-32.000.
Newswanger, Paul S. Angle measuring device. 3,845,565, 11-5-74, Cl. 33-174.00r.
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Newton, Alan Branford, to Imperial Chemical Industries Limited. Polysulphones prepared from 3-(4-chlorophenylsulphonyl) phenol and method of preparation. 3,832,331, 8-27-74, Cl. 260-49.000.
Newton, Albert E., to USM Corporation. Self-contained power device. 3,802,519, 4-9-74, Cl. 173-169.000.
Newton, Albert Eugene, to USM Corporation. Machine for adhesively securing sheet material. 3,852,840, 12-10-74, Cl. 12-61.00a.
Newton, Alwin B., to Borg-Warner Corporation. Air conditioning control system. 3,786,650, 1-22-74, Cl. 62-209.000.
Newton, Alwin B., to Borg-Warner Corporation. Air conditioning control system. 3,797,266, 3-19-74, Cl. 62-223.000.
Newton, Alwin B., to Borg-Warner Corporation. Rotary compressor. 3,799,707, 3-26-74, Cl. 418-77.000.
Newton, Alwin B., to Borg-Warner Corporation. Refrigeration control system. 3,803,865, 4-16-74, Cl. 62-217.000.
Newton, Alwin B., to Borg-Warner Corporation. Vertical surface vapor condensers. 3,837,396, 9-24-74, Cl. 165-111.000.
Newton, Alwin D., to Borg-Warner Corporation. Expandible pressure mounted semiconductor assembly. 3,800,191, 3-26-74, Cl. 317-234.00r.
Newton, David W., to Valleylab, Inc. Isolating switching circuit for an electrosurgical generator. 3,801,800, 4-2-74, Cl. 307-117.000.
Newton, Elbert J. Bite signal for fishing rod. 3,820,268, 6-28-74, Cl. 43-17.000.
Newton, Emerson H., Ketteringham, John M.; Sieneczyk, John L.; and Isaacson, Calvin M., to Shipley Company, Inc., The, mesne. Electrolytic regeneration of spent etchant. 3,783,113, 1-1-74, Cl. 204-106.000.
Newton, Emerson H.; Ketteringham, John M.; Sieneczyk, John L.; and Isaacson, Calvin M. Regeneration of spent etchant. 3,785,950, 1-15-74, Cl. 204-239.000.
Newton, Gary. Loader crane for gooseneck trailer. 3,800,966, 4-2-74, Cl. 214-77.00r.
Newton, George Charles; Westlake, Alfred Luigi, and Elphick, Frederick George Humphrey, to EMI Limited. Improvements in or relating to the production of disc records. 3,817,537, 6-18-74, Cl. 274-46.00r.
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Newton, William D., II; and Smith, Darrell L. Overhead light suspension hanger. 3,831,894, 8-27-74, Cl. 248-327.000.
Newton, William H., Jr., to Thunderco, Inc. Universal circuit board. 3,824,433, 7-16-74, Cl. 317-101.0ee.
Ney, Robert Johan. Fiber optical image magnifier panel and method of manufacture. 3,853,658, 12-10-74, Cl. 156-180.000.
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Ng, Daniel Y. C.; Wolfson, Sidney K., Jr.; and Appleby, Anthony J., to Institute of Gas Technology. Implantable fuel cell. 3,837,922, 9-24-74, Cl. 136-86.00r.
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Ngo, Peter Dinh-Tuan, to Bell Telephone Laboratories, Incorporated. Planar gas discharge shift register. 3,798,502, 3-19-74, Cl. 315-169.0tv.
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Nibby, Chester M.; Manton, John C.; and Curley, John L., to Honeywell Information Systems, Inc. Apparatus and method for a variable memory cycle in a data processing unit. 3,809,884, 5-7-74, Cl. 340-172.500.
Nibby, Chester M.; and Manton, John C., to Honeywell Information Systems Inc. Apparatus and method for a memory partial-write of error correcting encoded data. 3,814,921, 6-4-74, Cl. 235-153.0am.
Nibby, Chester M.; Manton, John C.; Franklin, Benjamin S., and Curley, John L., to Honeywell Information Systems, Inc. Availability and diagnostic apparatus for memory modules. 3,814,922, 6-4-74, Cl. 235-153.0ak.
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Nichol, Thomas W.; and Schmidt, Richard J. Flammable fluid container security device. 3,815,388, 6-11-74, Cl. 70-63.000.
Nicholas, Harold J.; and Knapp, Furn F., Jr. Ergosteryl esters having liquid crystalline properties. 3,852,311, 12-3-74, Cl. 260-397.200.
Nicholas, Keith Harlow; Ford, Ronald Alfred, and Beale, Julian Robert Anthony. Junction isolated intergrated curcuit resistor with crystal damage near isolation junction. 3,796,929, 3-12-74, Cl. 317-235.00r.
Nicholas, Kenneth Ernest Lewis, to British Cast Iron Research Associates. Foundry moulding materials. 3,826,658, 7-30-74, Cl. 106-38.300.
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Nicholas, Stephen John. Servo-boosters for vehicle brake systems. 3,824,894, 7-23-74, Cl. 91-369.00b.
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Nicholl, Peter J., to Brown & Williamson Tobacco Corporation. Reconstituted tobacco composition. 3,840,024, 10-8-74, Cl. 131-17.00r.
Nicholls, Augustus H. Dual tubular dispensing device. 3,827,602, 8-6-74, Cl. 222-137.000.
Nicholls, Bryan Frederick, to Mettoy Company Limited, The. Skates. 3,829,111, 8-13-74, Cl. 280-11.300.
Nicholls, Gordon A.: *See*—
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Nicholls, Lawrence George, to Girling Limited. Fluid flow control valves. 3,791,407, 2-12-74, Cl. 137-512.150.
Nicholls, Lawrence George, to Girling Limited. Telescopic gas springs. 3,831,919, 8-27-74, Cl. 267-34.000.
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Nicholls, Lawrence George, to Girling Limited. Motor-cycle suspensions. 3,854,710, 12-17-74, Cl. 267-64.00r.
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Nichols, Charles E., Jr.; and Howard, Gerald T., to Merry Companies Incorporated. Concrete block or the like with multiple brick facing and method of making the same. 3,809,595, 5-7-74, Cl. 156-267.000.
Nichols, Donald, to United States of America, Army. Synchronized image intensifier gating. 3,846,642, 11-5-74, Cl. 307-239.000.
Nichols, Donald, to United States of America, Army. Digital gated depth of field intensity equalizer. 3,853,402, 12-10-74, Cl. 356-5.000.
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Nichols, Fred E., to Pullman Incorporated. Pallet with adjustable height legs. 3,807,581, 4-30-74, Cl. 214-10.05r.
Nichols, Gordon W., to GAF Corporation. Web inspection apparatus. 3,800,157, 3-26-74, Cl. 250-353.000.
Nichols, Gus, to General Electric Company. Polyanhydrides useful as flexibilizing curing agents for epoxy resins. 3,812,064, 5-21-74, Cl. 260-18.0ep.
Nichols, Harvey Clay: *See*—
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Nichols, Ivan L.; and Dannenberg, Raymond O., to United States of America, Interior. Process for recovering tungsten form alkaline brine. 3,826,808, 7-30-74, Cl. 423-54.000.
Nichols, John Francis, to Nichols Products, Inc. Apparatus and method for encapsulating eggs. 3,851,571, 12-3-74, Cl. 99-450.600.
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Nichols, Larry D., to Moleculon Research Corporation. Process of preparing gelled cellulose triacetate products and the products produced thereby. 3,846,404, 11-5-74, Cl. 260-230.000.
Nichols, Newlin S.: *See*—
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Nichols, Ronald A., and Rakuson, George. Water skiing apparatus. 3,828,717, 8-13-74, Cl. 115-6.100.
Nichols, Roy Francis, Jr., to General Electric Company. Paper base laminates and method for the manufacture thereof. 3,804,693, 4-16-74, Cl. 156-330.000.
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Nichols, William R. Portable vacuum forming apparatus. 3,822,978, 7-9-74, Cl. 425-388.000.
Nicholson, Bruce Heywood. Models representing molecular structure. 3,841,001, 10-15-74, Cl. 35-18.00a.
Nicholson, Dana C. Couch. 3,855,652, 12-24-74, Cl. 5-227.00r.
Nicholson, Denzel Allan, to Procter & Gamble Company, The. Process for the production of halogenated malonates. 3,790,622, 2-5-74, Cl. 260-485.00h.
Nicholson, Geoffrey C.; and Collins, John E., to Minnesota Mining and Manufacturing Company. Projector. 3,844,650, 10-29-74, Cl. 353-122.000.
Nicholson, George H., to UMF Systems Incorporated. Dual focus microfiche assembly and viewer. 3,799,664, 3-26-74, Cl. 353-27.000.
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Nicholson, James E.; and Lipson, Charles S., to Clinical Technology Incorporated. Pressure garment. 3,824,992, 7-23-74, Cl. 128-24.00r
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Nick, Howard H., to International Business Machines Corporation. Multi-terminal digital signal communication apparatus. 3,786,418, 1-15-74, Cl. 340-147.00r.
Nick, Howard H., to International Business Machines Corporation. Synchronizing clock system for a multi-terminal communication apparatus. 3,786,419, 1-15-74, Cl. 340-147.0sy.
Nick, Howard H., to International Business Machines Corporation. Multi-terminal communication apparatus controller. 3,794,759, 2-26-74, Cl. 178-6.800.
Nickel, Bernd, to Siemens Aktiengesellschaft. Device for supervising the heart and breathing functions of a patient. 3,818,900, 6-25-74, Cl. 128-2.06r.
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Nickel, Frank C.; and Swanson, James R., to Sperry Rand Corporation. Partitioning circuit employing external interrupt signal. 3,832,695, 8-27-74, Cl. 340-172.500.
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Nicklin, Norman Brian, to British Industrial Plastics, Limited. Moulding process. 3,784,664, 1-8-74, Cl. 264-246.000.
Nicklin, Thomas; and Farrington, Frederick, to Gas Council, The. Treatment of gases and liquids. 3,784,465, 1-8-74, Cl. 208-208.00r.
Nicklin, Thomas, to Gas council, The. Treatment of gases. 3,798,315, 3-19-74, Cl. 423-574.000.
Nicklin, Thomas, to North Western Gas Board. Purification processes. 3,810,833, 5-14-74, Cl. 210-32.000.
Nicklin, Thomas; and Farrington, Frederick. Nickel-uranium catalyst. 3,847,836, 11-12-74, Cl. 252-465.000.
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Nicol, James; Shapiro, Sidney; and Roetter, Martyn F., to United States of America, Navy. Superconducting gradiometer for measuring first and second derivatives of a magnetic field. 3,829,768, 8-13-74, Cl. 324-43.00r.
Nicoladu, Michael C. Material for direct thermoelectric energy conversion with a high figure of merit. 3,782,927, 1-1-74, Cl. 75-134.00b.
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Nicoletti, Tullio J. Dumping car. 3,841,234, 10-15-74, Cl. 105-263.000.
Nicoll, Frank S., Jr. Building formed of precut, foldable site erected paper board panels. 3,798,852, 3-26-74, Cl. 52-90.000.
Nicoll, Frederick Hermes, to RCA Corporation. Electron-beam pumped laser with extended life. 3,803,510, 4-9-74, Cl. 331-94.500.
Nicoll, Howard C. Reusable umbilical cord clamp for veterinary use. 3,825,012, 7-23-74, Cl. 128-346.000.
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Niebylski, Leonard M., to Ethyl Corporation. Preparation of high density beryllium hydride. 3,808,063, 4-30-74, Cl. 149-109.000.
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Niebylski, Leonard M.; and Jarema, Chester P., to Ethyl Corporation. Lead-zinc foams. 3,847,591, 11-12-74, Cl. 75-20.00f.
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Nitta, Haruo, and Sagawa, Naotoshi, to Mitsubishi Petrochemical Company Limited. Apparatus for manufacturing a foam having dense surface. 3,843,285, 10-22-74, Cl. 425-4.00r.
Nitta, Hifumi, and Kaneko, Mitsutaka, to Chubu Seiki Kabushiki Kaisha. Apparatus for measuring insulating and voltage resistant characteristics of articles. 3,789,294, 1-29-74, Cl. 324-54.000.
Nitta, Kazuo. Throw away gas lighter. 3,814,572, 6-4-74, Cl. 413-143.000.
Nitta, Kuyata, Sugiyama, Hironari; Takita, Kiyoshi, and Itoh, Hideo, to Kumiai Chemical Industry Co., Ltd. Method for controlling sea organisms. 3,787,217, 1-22-74, Cl. 106-15.0af.
Nitta, Tohei, to Westinghouse Electric Corporation. Electrical insulator having a special external surface configuration for improved performance in contaminated atmospheres. 3,829,629, 8-13-74, Cl. 174n212.000.
Nitta, Tohei, to Westinghouse Electric Corporation. Shielded metal enclosed electrical equipment. 3,842,318, 10-15-74, Cl. 317-62.000.
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Nittinger, Russell H., and Taylor, Donald O., to Allied Chemical Corporation. Drill shaft. 3,819,168, 6-25-74, Cl. 267-141.000.
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Nitzsche, Siegfried; Bauer, Ignaz, Graf, Werner, and Zeller, Norbert, to Wacker-Chemie G.m.b.H. Process for the addition of silicon compounds with si-bonded hydrogen to compounds with aliphatic multiple bonds. 3,798,252, 3-19-74, Cl. 260-448.20e.
Nitzsche, Siegfried; Strasser, Rudolf; and Spork, Helmut, to Wacker-Chemie GmbH. Process for the production of organosiloxanes. 3,803,195, 4-9-74, Cl. 260-448.20e.
Nitzsche, Siegfried; Marwitz, Heinrich; and Hockemeyer, Friedrich, to Wacker-Chemie GmbH. Agents for the manufacture of non-stick coatings. 3,814,731, 6-4-74, Cl. 260-46.57a.
Nitzsche, Siegfried; Strasser, Rudolf, Leser, Robert, and Helmut, Spork, to Wacker-Chemie GmbH. Process for preparing organopolysiloxane oils. 3,816,493, 6-11-74, Cl. 260-448.0ze.
Nitzsche, Siegfried, Spork, Helmut, and Strasser, Rudolf, to Wacker-Chemie GmbH. Process for the condensation of organosilicon compounds with Si-bonded hydroxyl groups. 3,830,780, 8-20-74, Cl. 260-46.50r.
Nitzsche, Siegfried; Hechtl, Wolfgang; and Wohlfarth, Ernst, to Wacker-Chemie GmbH. Process for the condensation and/or equilibration of organosilicon compounds. 3,839,388, 10-1-74, Cl. 260-448.20e.
Nitzsche, Siegfried, Huber, Peter, and Pirson, Ewald, to Wacker-Chemie GmbH. Process for the production of organosiloxane-oxyalkylene-blockcopolymers. 3,845,090, 10-29-74, Cl. 260-448.80r.
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Niu, Hsien Ying, and Weipert, Eugene A., to BASF Wyandotte Corporation. Stabilization of polyoxyalkylene polyethers. 3,809,723, 5-7-74, Cl. 260-611.500.
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Niwa, Koichi, Anzai, Yoshiharu, Hashimoto, Kaoru, and Yokoyama, Hiromi, to Fujitsu Limited. Method of manufacture of alumina substrate with improved smoothness and electrical properties. 3,854,965, 12-17-74, Cl. 106-62.000.
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Nixon, Larry R., to Aeroquip Corporation. Latch and V band coupler. 3,797,079, 3-19-74, Cl. 24-285.000.

Nixon, Philip Sidney, to Pilkington Brothers Limited. Glass sheet conveying apparatus. 3,827,547, 8-6-74, Cl. 198-127.00r.

Niznik, Emil J., to Bunker Ramo Corporation. Electrical contact arrangement with self cleaning contact points. 3,795,101, 3-5-74, Cl. 58-41.00b

Nja, Olav, to Kvernelands Fabrikk A/S. Plough beam with spring mechanism. 3,789,928, 2-5-74, Cl. 172-709.000.

Njimi, M. Thomas; and Charles, George, to Cameroun Yaounde United Republic of Cameroun, The State of. Method for preparing desmosterol. 3,803,184, 4-9-74, Cl. 260-397.250.

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Nnadi, John C.; and Landis, Phillip S., to Mobil Oil Corporation. Method of preparing hydrocarbyl-substituted heterocyclic nitrogen compounds, reaction products prepared thereby and compositions containing same. 3,799,877, 3-26-74, Cl. 252-51.50r.

Nnadi, John C., to Mobil Oil Corporation. Lubricants containing amino and hydroxy-substituted polyphenylthioethers. 3,844,956, 10-29-74, Cl. 252-47.500.

Noa, Fritz; and Mohren, Manfred, to Schiess Aktiengesellschaft. Automatic tool changing arrangement. 3,851,364, 12-3-74, Cl. 29-26.00a.

Noack, Dieter: *See*—
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Noack, Dieter, to Siemens Aktiengesellschaft. Compressed gas circuit breaker. 3,801,762, 4-2-74, Cl. 200-148.00a.

Noack, Dieter; and Marin, Heiner, to Siemens Aktiengesellschaft. High-voltage electric circuit breaker. 3,824,361, 7-16-74, Cl. 200-148.00f.

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Noble, Allen. Decimal point indicator for slide rule. 3,834,614, 9-10-74, Cl. 235-64.300.

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Noble, Jack E.; and Johnston, Richard P., to United States of America, Health, Education and Welfare. Energy converter to power circulatory support systems. 3,788,772, 1-29-74, Cl. 417-207.000.

Noble, Jack E.; Riggle, Peter; Emigh, Stuart G.; and Martini, William R., to United States of America, Health, Education, and Welfare, mesne. Heat engine. 3,855,795, 12-24-74, Cl. 60-524.000.

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Noble, Peter M., to Westinghouse Air Brake Company. Railway skate car retarder. 3,812,934, 5-28-74, Cl. 188-62.000.

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Nohusawa, Tsukumo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic camera shutter controls with storage or pulse voltages. 3,791,272, 2-12-74, Cl. 95-101.0et.

Nobusawa, Tsukumo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Shutter control circuitry for cameras. 3,800,683, 4-2-74, Cl. 354-51.000.

Nobusawa, Tsukumo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Exposure time controls for cameras. 3,821,754, 6-28-74, Cl. 354-24.000.

Nobusawa, Tsukumo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic camera shutter controls utilizing photoelectrically converted pulses. 3,827,060, 7-30-74, Cl. 354-51.000.

Nobusawa, Tsukumo, to Asahi Optical Co. Device for detecting a precise focusing point and an automatic focus adjusting device. 3,829,866, 8-13-74, Cl. 354-25.000.

Nobusawa, Tsukumo, to Asahi Kogaku Kogyo Kabushiki Kaisha Control arrangement for a camera shutter. 3,852,776, 12-3-74, Cl. 354-31.000.

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Nonaka, Kohei; Tanaka, Masaho, Maki, Takeshi; Harada, Ikuo, and Hamasaki, Masafumi, to Asahi Kasei Kogyo Kabushiki Kaisha. Personal safety device for use in vehicles. 3,836,168, 9-17-74, Cl. 280-150.0ab.
Nonaka, Masahide: *See*—
Weaver, Merle L., Hautala, Earl, and Nonaka, Masahide, 3,812,274.
Nonaka, Masahide; Hautala, Earl; and Weaver, Merle L., to United States of America, Agriculture. Reducing oil content of fried potatoes by immersing in oil-free difluorodichloro-methane. 3,846,572, 11-5-74, Cl. 426-429.000.
Nonaka, Masakatu, to Toyota Jidosha Kogyo Kabushiki Kaisha. Impact energy absorbing apparatus for vehicle. 3,843,152, 10-22-74, Cl. 280-150.0ab.
Nonaka, Terumaro, Ishiguro, Yoshinobu, Yamatsu, Isao, Seki, Chiaki, Aoki, Shuzo, Ohnuki, Yutaka; and Koga, Yoshihiro, to Eisai Co., Ltd. Process for the preparation of thiamphenicol glycinate. 3,823,182, 7-9-74, Cl. 260-482.00r.
Nonaka, Terumoto: *See*—
Nishizawa, Junichi, and Nonaka, Terumoto, 3,829,885.
Nonaka, Yoshihiro, and Nankanishi, Jozo, to Nitta Gelatin Kabushiki Kaisha. Method and apparatus for removing grease from animal bones. 3,841,909, 10-15-74, Cl. 134-5.000.
None Such Enterprises, Inc.: *See*—
Hodge, George Robert, 3,840,152.
Noneman, Thomas S., Smith, Thomas R., and Stokes, John B., to Tomco Plastic Inc. Molded plastic drawer. 3,796,474, 3-12-74, Cl. 312-333.000.
Nongbri, Govanon. *See*—
Johnson, Axel R., Wolk, Ronald H., and Nongbri, Govanon, 3,809,644.
Nonis, Italo: *See*—
Nonis, Victor, and Nonis, Italo, 3,853,570.
Nonis, Victor; and Nonis, Italo. Cement composition. 3,853,570, 12-10-74, Cl. 106-97.000.
Noniya, Bunzo: *See*—
Fukatsu, Shunzo, Ishikawa, Tetsuo, Miura, Taro, Niida, Taro, Noniya, Bunzo; and Koeda, Takemi, 3,792,035.
Nonken, Gordon C., to General Electric Company. High power electrical bushing having a vacuum switch encapsulated therein. 3,812,314, 5-21-74, Cl. 200-144.00b.

Nonnenmann, Wolfgang; Wurst, Bert; Misch, Wolfgang; and Schonart, Edgar, to Bosch, Robert, G.m.b.H. Gas turbine temperature regulating circuit. 3,844,114, 10-29-74, Cl. 60-39.16r.

Nono Terapeutisk Laboratorium A/S: *See*—
Aunstrup, Knud; Andressen, Otto; and Outtrup, Helle, 3,840,433.

Nonogaki, Saburo: *See*—
Harada, Seiki; Nonogaki, Saburo; Oba, Yoichi; Saiki, Atsushi; Okabe, Takahiro; Kohashi, Takahiro; and Sato, Kikuji, 3,801,880.
Morishita, Hajime; Hirai, Takako; and Nonogaki, Saburo, 3,801,538.

Nonoyama, Mitsukane: *See*—
Tanaka, Takayoshi; and Nonoyama, Mitsukane, 3,817,384.

Nonoyama, Seiji: *See*—
Yuasa, Iwao; and Nonoyama, Seiji, 3,796,818.

Nony, Maurice: *See*—
Bertrand, Pierre; and Nony, Maurice, 3,814,119.

Noodleman, Samuel, to Kollmorgen Corporation. Commutating structure for D.C. permanent magnet machines. 3,819,964, 6-25-74, Cl. 310-46.000.

Noonan, John M.: *See*—
Verstraete, Jerome A.; Noonan, John M.; and Neubert, Richard W., 3,832,176.

Noonan, John M.; Sutton, Richard C.; and McConkey, Robert C., to Eastman Kodak Company. Photopolymerizable compositions and elements and uses thereof. 3,833,384, 9-3-74, Cl. 96-115.00p.

Noone, Thomas M., to Richardson Company, The. Synthetic composite and process for preparing. 3,788,882, 1-29-74, Cl. 117-76.00t.

Noor, David A., to Noor Engineering-Manufacturing Corporation. Equipment for conditioning and packaging a product. 3,785,276, 1-15-74, Cl. 99-516.000.

Noor Engineering-Manufacturing Corporation: *See*—
Noor, David A., 3,785,276.

Noorman, Frans: *See*—
Fraanje, Marinus Joost; Maarhuis, Rudolf Gerard Jan; and Noorman, Frans, 3,844,052.

Noothout, Arend J.: *See*—
Kanij, Johannes B. W.; Noothout, Arend J.; and Hermans, Marie E. A., 3,838,062.

Noothout, Arend Jaman; Kanij, Johannes Bastiaan Willem; and Votocek, Otakar, to Reactor Centrum Nederland. Precipitation delaying process employing a synergistic mixture of complexing agents. 3,812,049, 5-21-74, Cl. 252-301.10s.

Noponen, Harold W.; and Miller, Tom B., to General Motors Corporation. Filler cap. 3,825,147, 7-23-74, Cl. 220-44.00a.

Noppel, Alban: *See*—
Sellmaier, Alfons, deceased; Noppel, Alban; and Sippel, Gunter, 3,823,569.

Nopper, Peter; Zumbach, Heinz; and Brunner, Mathias. Beat frequency method and apparatus for measuring the thickness of a layer of material overlying a metallic surface. 3,815,017, 6-4-74, Cl. 324-34.00r.

Nora International Company: *See*—
Welch, Cletus N., 3,804,740.

Nora Sewing Machine Industrial Co., Ltd.: *See*—
Matsumoto, Mitsuo, 3,857,347.

Norac Company, Inc., The: *See*—
Scott, Leonard Frank; Strachan, Howard D.; and McCloskey, Chester M., 3,803,188.

Norand Corporation: *See*—
Chadima, George E., Jr.; and Bruce, Robert A., 3,823,388.
Chadima, George E., Jr.; Wallace, Keith; and Peyton, Gary, 3,839,625.

Noranda Mines, Limited: *See*—
English, Christopher John, 3,797,555.
Gervais, Edouard; Chollet, Pierre; and Ranger, Robert, 3,793,091.
Gervais, Edouard; and Chollet, Pierre, 3,798,028.
Gervais, Edouard, Chollet, Pierre; and Ranger, Robel, 3,847,556.
Kitzinger, Frank; and Tarassoff, Peter, 3,785,513.
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Themelis, Nicholas John; and McKerrow, George Clement, 3,832,163.

Norandex, Inc.: *See*—
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Norba Aktiebolag: *See*—
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Norback, Per Gunnar, to Munters, Carl Georg. Transferrer of the thermodynamic characteristics of two gases. 3,800,859, 4-2-74, Cl. 165-9.000.

Norback, Per Gunnar, to Aktiebolaget Carl Munters. Moisture exchanger for gaseous media. 3,807,149, 4-30-74, Cl. 55-388.000.

Norback, Per Gunnar, to Aktiebolaget Carl Munters. Apparatus for corrugating a web of thin material such as paper, in a continuous process. 3,819,453, 6-25-74, Cl. 156-459.000.

Norbalt Rubber Corporation: *See*—
Stefanka, Joseph Anthony, 3,833,699.

Norbeck, Dean K.: *See*—
Jednacz, Thomas C.; and Norbeck, Dean K., 3,803,863.

Norbert, Busch: *See*—
Roland-Yves, Mauvernay; Norbert, Busch; Jacques, Simond; and Jacques, Moleyre, 3,806,505.

Norbin, Inc.: *See*—
Snellman, Donald L.; and Hudson, Willard G., 3,808,078.

Norbro Pneumatics Limited: *See*—
Bunyard, Alan Donald, 3,851,658.

Norburn, William Carl. High temperature recording lance. 3,791,209, 2-12-74, Cl. 73-359.000.

Norbutas, Stanley R.; and Diemart, John R., to Signode Corporation. Paper feed mechanism for brick stacking machines. 3,829,946, 8-20-74, Cl. 29-200.00a.

Norby, Thomas E.; and Rogers, Charles H. Radio capsule battery. 3,791,377, 2-12-74, Cl. 128-2.00p.

Norca Machinery Corporation: *See*—
Fedele, Franco, 3,837,295.

Norco, Inc.: *See*—
Wentzel, Milford N., 3,792,616.

Norco Sales and Manufacturing Company: *See*—
Frye, David, 3,836,879.

Norconsult A.S.: *See*—
Arild, Arnulf; Creed, John; Folkestad, Olav; Odegard, Erik; Brandtzaeg, Anton; and Selberg, Arne Brigt Bru., 3,849,821.

Norcross, Sterling E. Lock for wheeled vehicle. 3,788,108, 1-29-74, Cl. 70-233.000.

Nord, Eric T.: *See*—
Baker, Robert G.; Nord, Eric T.; and Reighard, Alan B., 3,792,801.

Nord, Eric T.; Rood, Alvin A.; Vilagi, Burton J.; and Horvath, Richard A., to Nordson Corporation. Spray nozzle. 3,843,055, 10-22-74, Cl. 239-599.000.

Nordahl, James H.: *See*—
Kendall, Jack B.; and Nordahl, James H., 3,854,176.

Nordalpina-Anstalt: *See*—
Rychen, Niklaus, 3,822,675.

Norddeutsche Affinerie: *See*—
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Schulze, Reinhold, 3,849,180.

Nordeen, Erwin E.; and JOhnson, Milton J., to Whirlpool Corporation. Vacuum cleaner. 3,827,103, 8-6-74, Cl. 15-359.000.

Nordeen, Erwin E.; and Olson, Clifford H., Jr., to Whirlpool Corporation. Adjustable wheel mounting means. 3,848,292, 11-19-74, Cl. 15-339.000.

Nordell, Randy J., to Time Commercial Financing Corporation. Hydraulic pump and valve unit. 3,824,043, 7-16-74, Cl. 417-440.000.

Norden, Alexander R., to General Switch Company. Circuit breaker panel with provision for connecting supply lines alternatively to main input terminals on said panel or to main circuit breaker means connected to said main input terminals. 3,808,507, 4-30-7, Cl. 317-118.000.

Norden, Alexander R., to General Switch Company. Latch mechanism for toggle actuated circuit breaker. 3,818,168, 6-18-74, Cl. 200-153.00g.

Norder, Paul D.: *See*—
Drexler, Edward E.; and Norder, Paul D., 3,841,754.
Sisson, Jeffrey L.; and Norder, Paul D., 3,820,591.

Nordeutsche Seekabelwerke Aktiengesellschaft: *See*—
Roeben, Dieter; and Urban, Horst, 3,821,894.

Nordgren, Alfred A., to New York Wire Mills Corporation, mesne. Welding tip assembly. 3,813,512, 5-28-74, Cl. 219-158.000.

Nordgren, Hans Elov; and Klockarns, Per. Method for making corner or edge plates for cases, packing, containers or other receptacles and a plant for carrying through the method. 3,797,428, 3-19-74, Cl. 113-1.00r.

Nordgren, Hans Elov. Method of securing fittings or plates onto containers or container portions and a machine for carrying out the method. 3,837,069, 9-24-74, Cl. 29-432.100.

Nordgren, Lennart John, to U.S. Philips Corporation. Switching arrangement for electrical fuses. 3,793,956, 2-26-74, Cl. 102-70.200.

Nordgren, Maths Olov: *See*—
Borsutzki, Herbert Gunther; and Nordgren, Maths Olov, 3,803,337.

Nordgren, Robert; and Karl, Curtis L., to General Mills Chemicals, Inc. Cross-linking agent for cyanoethyl ethers of galactomannan. 3,840,520, 10-8-74, Cl. 260-209.00r.

Nordin, Harald, to Week, Edward, & Company, Inc. Surgical drill with detachable hand-piece. 3,847,154, 11-12-74, Cl. 128-305.000.

Nordin, Karl Tore, to Lidkopings Mekaniska Verkstads Aktiebolag. Sharpening device for grinding wheels. 3,855,992, 12-24-74, Cl. 125-11.0cd.

Nordine, Clifford A. Automatic row marker apparatus. 3,831,706, 8-27-74, Cl. 180-98.000.

Nordischer Maschinenbau Rud. Baader: *See*—
Suerbaum, Eberhard, 3,829,931.
Wenzel, Werner, 3,843,998.
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Nordisk Ventilator Co. A/S: *See*—

Holt, Jorgen; Videmark, Christian; and Christiansen, Palle Hein, 3,830,145.
Holt, Jorgen; Videmark, Christian; and Christiansen, Palle Hein, 3,847,065.
Holt, Jurgen; and Hansen, Hans Christian, 3,791,279.
Pedersen, Henry Valdemar; and Bredsted, Ole Jakobsen, 3,790,301.
Westenholz, Sven Torben; and Kristiansen, Svend Helge, 3,795,438.

Nordiska Maskinfilt Aktiebolaget: *See*—
Codorniu, Francisco Lorente, 3,815,645.
Eriksson, Erik Birger, 3,839,136.
Lind, Bjorn Ivar; and Mansson, Mans Gunnar Ove, 3,818,236.

Nordli, Bjarne; Oftedal, Tor Audun; and Wulvik, Erik A. Heating unit. 3,809,526, 5-7-74, Cl. 432-36.000.

Nordling, Frederik, to Lynch Communication Systems, Inc. Pulse sampling and reshaping circuit. 3,786,280, 1-15-74, Cl. 307-268.000.

Nordling, Karl I.: *See*—
Weathers, Luther V.; Nordling, Karl I.; and Ruffner, Ronald C., 3,826,908.

Nordmann, Joseph; Mattioda, Georges Dominique; and Loiseau, Gerard Paul Marie Henri, to Ugine Kuhlmann. Esters of halophenoxyisobutyric acid and hydroxyaliphatic acid derivatives. 3,792,082, 2-12-74, Cl. 260-473.00g.

Nordmann, Joseph; Mattioda, Georges Dominique; Antoine, Robert Alexandre; and Loiseau, Gerard Paul Marie Henri, to Produits Chimiques Ugine Kuhlmann. Process for the treatment of hyperuricemia. 3,830,929, 8-20-74, Cl. 424-285.000.

Nordnero AB: *See*—
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Nordsiek, Karl-Heinz: *See*—
Berg, Gerhard; Nordsiek, Karl-Heinz; and Maahs, Gunter, 3,846,365.
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Streck, Roland; Nordsiek, Karl-Heinz; Weber, Heinrich; and Meyer, Klaus, 3,821,328.

Nordsiek, Karl-Heinz, to Chemische Werke Huls Aktiengesellschaft. Process for the defined increase of the molecular weight of solid, unsaturated elastomers. 3,803,080, 4-9-74, Cl. 260-33.6aq.

Nordsiek, Karl-Heinz; and Streck, Poland, to Chemische Werke Huls Aktiengesellschaft. Vulcanizable rubber mixtures. 3,816,358, 6-11-74, Cl. 260-4.00r.

Nordson Corporation: *See*—
Baker, Robert G.; Nord, Eric T.; and Reighard, Alan B., 3,792,801.
Baker, Robert G.; and Reighard, Alan B., 3,811,405.
Baker, Robert G.; and Reighard, Alan B., 3,826,224.
Baker, Robert G.; and Tamny, Simon Z., 3,840,158.
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Hamilton, William M.; Reighard, Alan B.; and Tamny, Simon Z., 3,827,604.
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Reighard, Alan B.; and Tamny, Simon Z., 3,815,788.
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Rosen, Samuel R.; Rood, Alvin A.; and Scharf, Donald R., 3,827,339.
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Nordstroem, Knut Lennart: *See*—
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Nordstrom, Arnold B. Self-erecting cargo pallet lock. 3,800,713, 4-2-74, Cl. 105-369.00a.

Nordstrom, Arnold B., to Aireraft Mechanics, Inc. Air cargo container loader. 3,850,283, 11-26-74, Cl. 198-88.000.

Nordstrom, Carl G.: *See*—
Byers, Donald W.; Petry, Chester H., Jr.; Nordstrom, Carl G.; and Hensley, James Carl, 3,808,722.

Nordstrom, Donald B.; and Napierkowski, Peter, to Solitron Devices, Inc. Long life lead frame means for semiconductor devices. 3,821,615, 6-28-74, Cl. 317-234.00r.

Nordstrom, Gert: *See*—
Bostrom, Sture; and Nordstrom, Gert, 3,820,762.

Nordstrom, Joel E. Instrument for inserting bead chain into urethra and bladder. 3,844,274, 10-29-74, Cl. 128-2.00m.

Nordstrom, Knut Lennart. Method and apparatus for cold drawing or rolling of metal wire rod. 3,811,309, 5-21-74, Cl. 72-235.000.

Nordyke, John S.; and Spangenberg, William C., to Hammond Lead Products, Inc. Novel composite pigments. 3,846,148, 11-5-74, Cl. 106-308.00b.

Nordyke, John S.; and Spangenberg, William C. Composite pigment for blocking tannin. 3,852,087, 12-3-74, Cl. 106-288.00b.

Noreen, Dennis L. Combination athletic garment. 3,788,314, 1-29-74, Cl. 128-159.000.

Norell, John R.: *See*—
Mahan, John E.; and Norell, John R., 3,839,489.

Norell, John R., to Phillips Petroleum Company. Amide production. 3,822,313, 7-2-74, Cl. 260-561.00r.

Norell, John R., to Phillips Petroleum Company. Amide production. 3,846,492, 11-5-74, Cl. 260-558.00r.

Norell, John R., to Phillips Petroleum Company. Isomerization of paraffinic hydrocarbons with trifluoromethanesulfonic acid. 3,855,346, 12-17-74, Cl. 260-683.680.

Noren, Carl Anders: *See*—
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Taylor, Nicholas Simon Hall; and Noren, Carl Anders, 3,857,516.

Noren, Donald W.: *See*—
Young, Hobart P.; and Noren, Donald W., 3,851,759.

Noren, John Paul: *See*—
Pulk, Elgas; and Noren, John Paul, 3,833,175.

Noren, Oscar B.; Garland, Carl C.; and Kwarsick, Edmund J., to Parke, Davis & Company. Capsule handling apparatus. 3,831,476, 8-27-74, Cl. 83-170.000.

Noren, Tore H.; and Federichi, George J. Visual automatic liquid feeder. 3,789,877, 2-5-74, Cl. 137-590.000.

Noren, Tore H. Swingable comb for closing magnetic switch for controlling hot rinse water in a dishwasher. 3,800,813, 4-2-74, Cl. 134-46.000.

Noret, Hubert: *See*—
Jodet, Alain; Noret, Hubert; and Demichelis, Jacques, 3,786,874.

Norfin, Inc.: *See*—
Johnson, Dale R., 3,848,867.
Snellman, Donald L.; and Hudson, Willard G., 3,821,879.

Norfleet, James, to Colgate-Palmolive Company. Making gas-free dentifrices. 3,840,657, 10-8-74, Cl. 424-49.000.

Norfleet, James, to Colgate-Palmolive Company. Process for preparing stable dentrifrice. 3,843,779, 10-22-74, Cl. 424-54.000.

Norfolk, Douglas J., to Polytype AG. Device for the contact-free support of a web of material. 3,807,056, 4-30-74, Cl. 34-156.000.

Norgaard, Arthur J., to General Box Company. Insulated shipping container. 3,856,178, 12-24-74, Cl. 220-23.830.

Norgaard, Richard Arlund; and Larsen, Rex Stemann, to Eskofot A/S. Feeler device, especially for photocopying apparatus. 3,782,715, 1-1-74, Cl. 271-57.000.

Norgard, Edward J.: *See*—
Aanestad, Robert D.; Straub, Melvin J.; and Norgard, Edward J., 3,848,772.

Norgren, C. A., Co.: *See*—
Hicks, William Robert George; Newman, John Leslie; Smith, Leslie William; Smith, Leslie William; and Wates, Michael John, 3,817,267.
Holben, Clair Dean; and Humphrey, John J., 3,834,417.
Hubert, Alexis, 3,834,493.
Smith, Leslie William; Wates, Michael John; and Tait, Robert John, 3,848,626.

Norgren, Lars Erik, to Sandrik Aktiebolag. Thin chip cutting tool. 3,785,021, 1-15-74, Cl. 29-96.000.

Norholm, Olav, to Aktieselskabet Laur. Knudsen Elektricitets Selskab. Electric fuses. 3,838,376, 9-24-74, Cl. 337-296.000.

Nori, Jean-Pierre: *See*—
Battarel, Claude; and Nori, Jean-Pierre, 3,855,584.

Norick, William B.: *See*—
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Hein, Allyn J.; Norick, William B.; Ruseff, Walter Z.; and Tribley, Gilber, 3,830,594.
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Norikov, Jury Dmitrievich: *See*—
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Afanasievich; Romanov Anatoly Sergeevich; Ivanov, Alexei Mikhailovich; Kashina, Elena Arkadievna; Gorina-Valeeva, Nina Sergeevna; Kuleshov, Mikhail Pavlovich; Smirnov, Pavel Ivanovich; Nikolaev, Vyacheslav Alexeevich; Krjuchkov, Igor Borisovich; Musatov, Veniamin Vladimirovich Moldavsky, Valery Moiseevich; Khrustsevich, Leonid Alexandrovich; Nekrasov, Vladimir Ilich; Lyapina, Galina Fedorovna; and Fedoseev, Nikolai Andreevich, 3,807,488.

Norishima, Norihisa: *See—*
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Noritake Iron Works Co., Ltd.: *See—*
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Noritsu Koki Co., Ltd.: *See—*
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Noriuki, Nagaoka; and Haruo, Niimi, to Kabushiki Kaisha Taihei Seisakusho; a/k/a Taihei Machinery Works, Ltd. Method and apparatus for preshaping raw logs. 3,842,874, 10-22-74, Cl. 144-309.00r.

Norkaitis, Anthony B. Apparatus for use in rebuilding electromagnetic units. 3,793,694, 2-26-74, Cl. 29-205.00r.

Norland, Kenneth: *See—*
Long, Darla; and Norland, Kenneth, 3,800,030.

Norlander, Carl William: *See—*
Green, B. Sherman; Green, Charles K.; Glancy, Jack L.; Myrick, Floyd J.; Norlander, Carl William; and Smith, Rodney E., 3,824,916.

Norlander, Lars Ake Wilhelm. Mountable staircase, ladder or the like. 3,791,485, 2-12-74, Cl. 182-106.000.

Norlander, Lars Gosta, to SKF Industrial Trading and Development Company B.V. Apparatus for cutting rings from tubes. 3,817,131, 6-18-74, Cl. 82-101.000.

Norlin, Alf Helge Bernhard; Olsson, Natanael; and Strid, Tore Sven, to Telefonaktiebolaget L M Ericsson. Bobbin end plate with means for fastening of soldering tabs. 3,792,398, 2-12-74, Cl. 336-192.000.

Norma Messtechnik Gesellschaft m.b.H.: *See—*
Wehrmann, Wolfgang, 3,838,413.

Normac, Inc.: *See—*
Klein, Max, 3,855,049.

Normalair-Garrett (Holdings) Limited: *See—*
Murray, Brian Desmond Allan, 3,825,311.

Norman, Arthur J.; and Cobbledick, David S., to General Tire & Rubber Company, The. Flame retardant flexible polyurethane foams. 3,810,851, 5-14-74, Cl. 260-2.5aj.

Norman, Bo: *See—*
Wahren, Douglas; Norman, Bo; and Grundstrom, Karl-Johan, 3,846,230.

Norman, David, to Becton, Dickinson and Company. Vessel cannulator and clamp for lymphangiography. 3,814,080, 6-4-74, Cl. 128-2.00m.

Norman, Earl P., Jr.: *See—*
Fox, James D.; Norman, Earl P., Jr.; and Sansbury, Jerry F., 3,855,026.
Fox, James D.; Norman, Earl P., Jr.; and Sansbury, Jerry F., 3,856,179.

Norman Enterprises, Inc.: *See—*
Norman, William L., 3,790,790.

Norman, George, & Co., Pty., Ltd.: *See—*
Bini, Rodney James, 3,835,508.

Norman, George J.; and Reader, Kenneth R., to United States of America, Navy. Cam type air control valves. 3,816,019, 6-11-74, Cl. 416-20.000.

Norman, John D.: *See—*
Harmon, Gardy R.; Norman, John D.; and Tadlock, Guy M., 3,856,218.

Norman, Karl Arne. Buckle for plane belts, preferably textile belts. 3,795,029, 3-5-74, Cl. 24-191.000.

Norman, Keith: *See—*
Croasdale, Fred; Clayton, James William Barnes; and Norman, Keith, 3,828,539.

Norman, Leslie W.; Hunter, Skillman C.; and Russell, George A., to Garrett Corporation, The. Control method for detonation combustion engines. 3,783,616, 1-8-74, Cl. 60-204.000.

Norman, Marvin Neil: *See—*
Waltner, Ronald Keith; and Norman, Marvin Neil, 3,795,767

Norman, Marvin Neil, to RCA Corporation. High voltage protection circuit. 3,813,580, 5-28-74, Cl. 317-23.000.

Norman Messtechnik Gesellschaft m.b.H.: *See—*
Wehrmann, Wolfgang, 3,818,205.

Norman, Michael Eric: *See—*
Harman, Julius; and Norman, Michael Eric, 3,807,011.
Harman, Julius; and Norman, Michael Eric, 3,821,844.

Norman, Peter, to International Standard Electric Corporation. Multilevel PCM system enabling AGC control of a transmitted multilevel signal in any selected frequency portion of said transmitted signal. 3,798,544, 3-19-74, Cl. 325-38.00a.

Norman, Ralph L.: *See—*
Hagood, Jerry W.; Shelton, Joe; and Norman, Ralph L., 3,840,955.

Norman, Richard G. Visible hitch assembly for all purpose wagon having freely moving casters as front wheels. 3,792,876, 2-19-74, Cl. 280-415.00a.

Norman, Sivert; Flystrom, Ernst; and Johansson, Folre, to Allmanna Svenska Elektriska Aktiebolaget. Operating mechanism for tap changer switches. 3,798,395, 3-19-74, Cl. 200-17.00r.

Norman, Sivert; and Syren, Jan, to Allmanna Svenska Elektriska Aktiebolaget. De-energized tap changer for transformers with polyphase sliding contact assembly. 3,824,355, 7-16-74, Cl. 200-16.00f.

Norman, Sivert, to Allmanna Svenska Elektriska Aktiebolaget. Mechanical brake for tap changers. 3,833,096, 9-3-74, Cl. 188-85.000.

Norman, Telfer E. Liner for grinding mills. 3,804,346, 4-16-74, Cl. 241-182.000.

Norman, Telfer E. Smelting of copper-iron or nickel-iron sulfides. 3,849,120, 11-19-74, Cl. 75-74.000.

Norman, Vello, to Liggett & Myers, Incorporated. High flavor impact, low smoke yield cigarette mouthpiece. 3,789,855, 2-5-74, Cl. 131-9.000.

Norman, William L., to Norman Enterprises, Inc. Polarity sensitive electronic switch and polarity indicator. 3,790,790, 2-5-74, Cl. 250-211.00j.

Normando, Neil J.; and Wilcox, Dana V., said Wilcox assor. to Reynolds Metals Company and said Normando assor. to Airco, Inc. Vertical welding of heavy aluminum alloy plates. 3,839,619, 10-1-74, Cl. 219-126.000.

Normann, Richard W., to Bendix Corporation, The. Coupling for an electrical connector. 3,790,922, 2-5-74, Cl. 339-126.00r.

Normann, Richard W., to Bendix Corporation, The. Dielectric sleeve for electrically and mechanically protecting exposed female contacts of an electrical connector. 3,845,459, 10-29-74, Cl. 339-191.00r.

Normanton, John Reginald, to Duplan Corporation, The. Method of bonding using strings of adhesive. 3,783,074, 1-1-74, Cl. 156-291.000.

Normbau GmbH, Maschinen-Apparate-Werkzeuge & Co.: *See—*
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Norob System AB: *See—*
Johansson, Sven Lissol; and Lundblad, Leif, 3,828,166.

Noropress GmbH Iressen und Presswerkzeuge & Co., KG: *See—*
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Noroski, William J.: *See—*
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Norprint Limited: *See—*
Golec, Josef W., 3,846,221.

Norquist, Bernard W. Portable centrifugal drier for small articles. 3,824,701, 7-23-74, Cl. 34-58.000.

Norremark, Christian Albert. Combination lock. 3,800,577, 4-2-74, Cl. 70-313.000.

Norrie, George Ogilvie, to Landis Tool Company. Capacitor transducer. 3,784,897, 1-8-74, Cl. 323-93.000.

Norrie, Lyle W., to Swift & Company. Movable loading dock. 3,834,562, 9-10-74, Cl. 214-38.00ba.

Norris, Allan S.; and Craig, James T., to General Motors Corporation. Manual and automatic shift controls for transmissions. 3,818,783, 6-25-74, Cl. 74-869.000.

Norris, Bob: *See—*
Daudelin, Roland G.; Flum, Robert S., Sr.; Norris, Bob; and Woolston, Lionel L., 3,853,081.

Norris, Clarence G.; and Merrick, Woodrow W., to General Refractories Company. Apparatus for applying a metal plate to a refractory brick. 3,781,962, 1-1-74, Cl. 29-200.00b.

Norris, Clarence G.; and Merrick, Woodrow W., to General Refractories Company. Refractory brick having a metal casing. 3,808,764, 5-7-74, Cl. 52-575.000.

Norris, George F.; and Robbins, Gerald K. Mobile home skirting. 3,785,675, 1-15-74, Cl. 280-150.00p.

Norris Industries, Inc.: *See—*
Baker, Harold R., 3,832,516.
Biesch, Hans R., 3,851,923.
Sanders, Vernard W.; and Fane, William J., 3,790,196.

Norris, Jerome J.: *See—*
Hong, Leon, 3,822,020.

Norris, John F.; and Humphreys, Donald R., to Custom Radius Corporation. Skate sharpening devices. 3,789,551, 2-5-74, Cl. 51-92.00r.

Norris, Kenneth Edward. Adjustable coil spring lifter. 3,830,482, 8-20-74, Cl. 267-61.00r.

Norris, Kermit A., to Lockheed Electronics Company, Inc., mesne. Split-phase adaptive decoding electronics. 3,787,826, 1-22-74, Cl. 340-174.10h.

Norris, Kermit A., to Lockheed Electronics Company, Inc. Pseudo-random sequence synchronization for magnetic recording system. 3,789,377, 1-29-74, Cl. 340-174.10g.

Norris, Leon F.: *See—*
Fustukian, David A. W.; Kushnir, Bud W.; Norris, Leon F.; and Fraser, Robert W., 3,847,680.

Norris, Paul R.; Van Haltern, Frank, Jr.; and Walz, David K., to Olin Corporation. Car top tent. 3,845,775, 11-5-74, Cl. 135-1.00a.

Norris, Philip: *See—*
Land, Edwin H.; and Norris, Philip, 3,797,915.

Norris, Richard C.: *See—*
Heitman, Richard E.; and Norris, Richard C., 3,823,389.
Heitman, Richard E.; Arciprete, Genio R.; Martin, Peter G.; Norris, Richard C.; and Brisk, Richard A., 3,828,323.
Heitman, Richard E.; and Norris, Richard C., 3,840,860.

Norris, Richard C., to Little, Arthur D., Inc. Data transfer device for word processing system. 3,823,393, 7-9-74, Cl. 340-172.500.

Norris, Richard F.: *See—*
Drake, Daniel D.; Lloyd, Evan M.; and Norris, Richard F., 3,783,392.

Norris, William P.: *See—*
Richter, Herbert P.; Heller, 'Carl A.; Norris, William P.; and McEwan, William S., 3,850,836.

Norrish, John H. Load securing apparatus for pickup trucks. 3,814,460, 6-4-74, Cl. 280-179.00r.

Norro, Allen Ferdinand, to Boliden Aktiebolag. Method for preventing the dilution of sulphur dioxide containing waste gases obtained in copper concentrate electric smelting furnaces. 3,792,998, 2-19-74, Cl. 73-10.00r.

Norrod, Arthur D. Pneumatic cup alarm device. 3,840,870, 10-8-74, Cl. 340-280.000.

Norsk Hydro a.s.: *See—*
Folkestad, Finn Enok; Loiten, Kjell Olav; Mejdell, Glor Thorvald; and Torvund, Asbjorn, 3,855,392.
Kulas, Finn Ragnar; and Ekeland, Terje, 3,857,801.

Norskog, James, to General Telephone Company of California. Wire wrap qualification test fixture. 3,855,850, 12-24-74, Cl. 73-88.00b.

Norstron Electro-Optic Systems Ltd.: *See—*
Moi, Manfred Edvin, 3,846,015.

Nortec Computer Devices, Inc.: *See—*
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Nortec Electronics Corporation: *See—*
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Norteman, Samuel L., to Wheeling-Pittsburgh Steel Corporation. Manufacture of electrical metallic tubing. 3,827,139, 8-6-74, Cl. 29-477.700.

North American Car Corporation: *See—*
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North American Electronics Corporation: *See—*
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North American Manufacturing Company: *See—*
Ko, Wen H.; Knodel, James R.; and Hung, Chih Piao, 3,828,237.

North American Mechanical Limited: *See—*
Hindenlang, Arthur W., 3,830,172.

North American Mills, Inc., mesne: *See—*
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North American Philips Corporation: *See—*
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Daniels, Alexander, 3,817,044.
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Kok, Pieter W., 3,836,805.
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North American Rockwell Corporation: *See—*
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Deutsch, Ralph, 3,794,748.
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McCoy, Lowell R.; and Prem, Lawrence L., 3,839,176.
Mee, Jack E.; and Besser, Paul J., 3,788,896.
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Sidbeck, Paul R.; and Weinstein, Daniel S., 3,819,902.
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Sivaslian, Armen H., 3,804,394.
Spence, John R., 3,798,616.
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Squillace, Anthony S.; Martin, Albert E.; and Rudmann, Jerald J., 3,811,974.
Vehrs, Charles L., Jr., 3,795,909.
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North American Rockwell Corporation, mesne: *See—*
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North American Van Lines, Inc.: *See—*
Sowers, Blaine E.; and Hunnicutt, Vaughn E., 3,845,869.

North, Arthur J. Exposure controlled corona device. 3,816,749, 6-11-74, Cl. 250-324.000.

North Atlantic Industries, Inc.: *See—*
Reichnebacher, George, 3,839,716.

North Dakota State University Development Foundation: *See—*
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North Derbyshire Engineering Company Limited: *See—*
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North Electric Company: *See—*
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North Hills Electronics, Inc.: *See—*
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North, Howard C.; and Williamson, Charles W., to Esso Research and Engineering Company. Apparatus for formation of thermoplastic film. 3,805,886, 4-23-74, Cl. 165-47.000.

North, Howard C.; Calderwood, Gene C.; and Williamson, Charles W., to Esso Research and Engineering Company. Multi-step air ring for tubular film process. 3,819,790, 6-25-74, Cl. 264-89.000.

North, James Clayton: *See—*
Dixon, Melvyn; Moline, Robert Alan; North, James Clayton; Varnerin, Lawrence John, Jr.; and Wolfe, Raymond, 3,792,452.
Fischer, Robert Frederick; North, James Clayton; and Wolfe, Raymond, 3,828,329.
Johnson, William Arthur; North, James Clayton; and Wolfe, Raymond, 3,808,068.

North, Joyce A.; and Kuckro, Gerard W., to National Distillers and Chemical Corporation. Flame retardant compositions. 3,832,326, 8-27-74, Cl. 260-42.290.

North, Mark, to Lysaght, John (Australia) Limited. Method and apparatus for making expanded metal sheets. 3,840,952, 10-15-74, Cl. 29-6.200.

North, Max D. Feeder device. 3,827,404, 8-6-74, Cl. 119-51.110.

North Pacific Canners & Packers, Inc.: *See—*
Bilz, William F., 3,804,000.

North, Terance Washford. Process for preparing 1,1'-peroxydicyclohexylamine. 3,856,923, 12-24-74, Cl. 260-307.00f.

North, Terence Washford, to BP Chemicals Limited. Production of 11-cyanoundecanoic acid. 3,808,240, 4-30-74, Cl. 260-404.000.

North Western Gas Board: *See—*
Nicklin, Thomas, 3,810,833.

North, William D.: *See—*
Castrucci, Paul P.; Grochowski, Edward G.; Hess, Martin S.; Maheras, Geroge; and North, William D., 3,785,886.
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North 40 Manufacturing Inc.: *See—*
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Northcutt, Michael E. Device for improving the alignment of the upper and lower sets of teeth with each other. 3,798,773, 3-26-74, Cl. 32-14.00e.

Northcutt, Michael E. Orthodontic onlay and method for exerting corrective traction on an impacted tooth. 3,835,538, 9-17-74, Cl. 32-14.00e.

Northeast Electronics Corporation: *See—*
Haskett, William Frank; Wochholz, Harold Frederick; and Penick, Dixon Brown, 3,840,705.
Hillman, Alfred Kimball, Jr.; Wochholz, Harold Frederick; and Penick, Dixon Brown, 3,821,478.

Northeast Fluidics, Inc.: *See—*
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Northern Electric Company Limited: *See—*
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Brown, Anthony Kevin Dale, 3,838,416.
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DeBortoli, George; and Lukas, Helmut Hans, 3,784,728.
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Hemming, Raymond Charles; Thompson, Joseph; and Main, Henry Allan (said Hemming and said Thompson assors. to), 3,803,344.
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Iyengar, Rama; and Zuber, Bretislav Paul, 3,789,480.

Kosman, Karel Jan Williams; and Boivin, Louis-Philippe, 3,821,590.
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Male, Charles Colin; and Wallis, John Melvin, 3,787,632.
Morrell, Ronald Joseph; Laing, Graham Sterling; and Gumb, Bev William (said Morrell & Gumb assors. to), 3,839,605.
Morrell, Ronald Joseph; Thompson, Joseph; Hemming, Raymond Charles; and Main, Henry Allan, 3,846,594.
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Northern Fibre Products Company: *See*—
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Northern Illinois Gas Company: *See*—
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Ohlhaber, Ronald L.; and Pontarelli, Donald A., 3,792,239.

Northern Natural Gas Company: *See*—
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Northern Natural Gas Company, mesne: *See*—
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Northern Ohio Scale Co.: *See*—
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Northern Purification Services Ltd.: *See*—
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Northeved, Allan: *See*—
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Northrop Corporation: *See*—
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Crandall, Walter E.; and Curtis, Orlie L., Jr., 3,784,799.
Crandall, Walter E., 3,796,902.
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Northrup, King & Co.: *See*—
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Northrup, Leonard L., Jr. Electrical switching system. 3,852,695, 12-3-74, Cl. 337-102.000.

Northup, Francis B.; and Hart, Donald R., to Spanco Yarns, Inc. Yarn structure and method of making same. 3,831,369, 8-27-74, Cl. 57-144.000.

Northway, Clarence E., to Haveg Industries, Inc. Porous substrate for fibrous graphite structure produced by addition of degradable material. 3,796,616, 3-12-74, Cl. 156-60.000.

Northwest Design Products, Inc.: *See*—
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Northwest Sanitation Products, Inc.: *See*—
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Northwest Wire Works, Inc.: *See*—
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Northwood, James Edward, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Method of casting a directionally solidified article having a varied composition. 3,847,203, 11-1-74, Cl. 164-60.000.

Northyp, Marcus Allen, Jr.: *See*—
Schoenholz, Daniel; Petersen, Arthur Walter; and Northyp, Marcus Allen, Jr., 3,808,051.

Norton, Charles J.; and Falk, David O., to Marathon Oil Company. Carboxy vinyl polymer and sulfonated alkyl acrylamide polymer mobility control agent and process. 3,825,068, 7-23-74, Cl. 166-305.00r.

Norton, Charles J.; and Falk, David O., to Marathon Oil Company. Carboxy vinyl polymer and partially hydrolyzed polyacrylamide mobility control agent and process. 3,825,069, 7-23-74, Cl. 166-305.00r.

Norton, Charles J.; Falk, David O.; and Evans, Robert E., to Marathon Oil Company. Injectivity in supplemented oil recovery. 3,827,499, 8-6-74, Cl. 166-305.00r.

Norton, Charles J.; and Falk, David O., to Marathon Oil Company. Unhydrolyzed polyacrylamide and partially hydrolyzed polyacrylamide mobility control agent. 3,853,802, 12-10-74, Cl. 260-29.6wb.

Norton Company: *See*—
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Norton, David C., to Aveo Corporation. Safing and arming system for a projectile fuze and fluidic control means for use therewith. 3,804,020, 4-16-74, Cl. 102-81.000.

Norton, David Edward, to Norton, James Farmer, Sir, & Co., Limited. Apparatus for treating webs. 3,797,281, 3-19-74, Cl. 68-19.100.

Norton, David John: *See*—
Brown, Christopher Robert; George, Terence Malcolm; and Norton, David John, 3,809,930.

Norton, Don S. Anchor adapter bracket. 3,804,051, 4-16-74, Cl. 114-210.000.

Norton, Frederick H., to American Optical Company, mesne and American Optical Corporation, mesne. 3,837,727, 9-24-74, Cl. 350-96.00b.

Norton, James F.; and Creadon, William F., to Hansen Manufacturing Company, The. Coupling assembly. 3,836,114, 9-17-74, Cl. 251-149.600.

Norton, James Farmer, Sir, & Co., Limited: *See*—
Norton, David Edward, 3,797,281.

Norton, James H., to Esso Research and Engineering Company. Non-staining drill lubricants. 3,810,836, 5-14-74, Cl. 252-8.50c.

Norton, James R.; and Schmalzbauer, Herbert F., to Xerox Corporation. Stripper finger with air cushion. 3,837,640, 9-24-74, Cl. 271-174.000.

Norton, John A. P.; McLaughlan, Thomas A.; and Kusec, Davor J., to Canadian Patents and Development, Limited. Wood slope of grain indicator. 3,805,156, 4-16-74, Cl. 324-61.00r.

Norton, Laurance E.: *See*—
Eberl, James J.; Kelly, David J.; McConnell, Albert L.; Norton, Laurance E.; and Wade, Gordon E., 3,803,278.

Norton, Loran A.: *See*—
Mell, Leonard E.; Norton, Loran A.; and Crosser, David Keith, 3,802,099.

Norton, Morrison Kai; and Timko, Lawrence Raymond, to Titan Trailer Corporation. Box hold down system. 3,799,612, 3-26-74, Cl. 298-18.000.

Norton, Morrison Kai; and Timko, Lawrence Reymond, to Titan Trailer Corporation. Anchor for trailer supported hopper. 3,857,608, 12-31-74, Cl. 298-35.00m.

Norton, Orien K.; Grimes, David E.; and Sayler, Ralph A. Spool valve. 3,847,371, 11-12-74, Cl. 251-65.000.

Norton, Ralph S. Current follower amplifier. 3,828,269, 8-6-74, Cl. 330-97.000.

Norton, Richard V.: *See*—
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Norton, Richard V., to Sun Research and Development Co. Ammonium aromatic carboxylate conversion to the corresponding acids. 3,833,646, 9-3-74, Cl. 260-515.00p.

Norton, Richard V., to Sun Research and Development Co. Purification of aromatic nitriles. 3,839,402, 10-1-74, Cl. 260-465.00h.

Norton, Richard V., to Sun Research and Development Co. Process for adiponitrile. 3,839,404, 10-1-74, Cl. 260-465.200.

Norton, Richard V., to Sun Research and Development Co. Nitrile hydrolysis process. 3,839,432, 10-1-74, Cl. 260-515.00p.

Norton, Richard V., to Sun Research and Development Co. Purification process for aromatic acids. 3,847,977, 11-12-74, Cl. 260-525.000.

Norton, Richard V., to Sun Research and Development Co. Dicarboxylic acid purification process. 3,850,982, 11-26-74, Cl. 260-525.000.

Norton, Robert K., to Harris-Intertype Corporation. Plate clamp registering mechanism. 3,851,583, 12-3-74, Cl. 101-415.100.

Norton, Ross Erle: *See*—
Hunter, John P., Jr.; Norton, Ross Erle; and Mitchell, William O., 3,785,307.

Norton, Roy C., Jr., to Budd Company, The. Reinforced brake drum. 3,841,448, 10-15-74, Cl. 188-218.00r.

Norton Villiers Limited: *See*—
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Nortronics Company, Inc.: *See*—
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Norvitch, Ralph F. Box and various length rods having length indicia. 3,815,918, 6-11-74, Cl. 273-130.00r.

Norwood, David W., to Concorde Fibers, Inc. Spinneret with yarn separator. 3,856,445, 12-24-74, Cl. 425-71.000.

Norwood Industries, Inc.: *See*—
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Norwood Marking & Equipment Co., Inc.: *See*—
Shenoha, James L., 3,823,664.

Norwood Mills, Inc.: *See*—
Schmidt, Arnold W.; Johnson, Alfred, Jr.; and Johnson, Kenneth L., 3,839,114.

Noryd, Nils Eric. Fastener assembly for handrails. 3,813,071, 5-28-74, Cl. 248-251.000.

Nosaka, Kunishi: *See*—
Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; Maillet, Wilfrid G.; and Nosaka, Kunishi, 3,838,221.

Nosaki, Shigeki: *See*—
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Nosatov, Valery Alexandrovich: *See*—
Paton, Boris Evgenievich; Makara, Arseny Martinovich; Lebedev, Vladimir Konstantinovich; Mosendz, Nikolai Alexandrovich; Pinchuk, Nina Ivanovna; Zhovnitsky, Igor Pavlovich; Nosatov, Valery Alexandrovich; Staruschenko, Elena Mikhailovna; Kuznetsov, Evgeny Ptrovich; Kalmykov, Valery Petrovich; Karpov, Vladimir Fedorovich; Dovzhenko, Alexei Fedorovich; Shanin, Nikolai Ilich; Piven, Grigory Antonovich; Gapshenko, Alexei Lavrentievich; Zuev, Boris Petrovich; Konstantinov, Nikolai Nikolaevich; and Popovichenko, Aexandr Maximovich, 3,807,485.

Nosco, Louis C.; and Ryan, James E., to Eastman Kodak Company. Photographic copying apparatus. 3,807,861, 4-30-74, Cl. 355-75.000.

Nosco Plastics, Incorporated: *See*—
Cloyd, Harold S., 3,788,599.
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Nose, Jiro. Chair with indexing supports. 3,804,459, 4-16-74, Cl. 297-258.000.

Nose, Kiyoo; Kokura, Yoshiji; Hizaki, Nobuo; and Nishikawa, Shigeydshi, to Nichicon Capacitor, Limited. Capacitor. 3,812,407, 5-21-74, Cl. 317-258.000.

Nose, Shunz, to Sumitomo Electric Industries, Ltd. Throw-away insert for milling cutter. 3,805,349, 4-23-74, Cl. 29-95.00r.

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Noskin, Harold P., to Customcraft Nails, Inc. Method and kit for forming an artificial nail. 3,786,821, 1-22-74, Cl. 132-88.500.

Noskov, Felix Pavlovich: *See*—
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Nosol, John Leonard. Apparatus for use in laterally X-raying a patient's torso. 3,845,313, 10-29-74, Cl. 250-439.000.

Nospil Limited: *See*—
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Nossiter, Clarence Frank, to Enfield Industrial Engines Limited. Marine drive units. 3,826,219, 7-30-74, Cl. 115-35.000.

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Notaras, John Arthur; and Notaras, Angelo Lambrinos, 3,855,976.

Notaras, John Arthur; and Notaras, Angelo Lambrinos. Carburetor mounting. 3,782,343, 1-1-74, Cl. 123-52.00m.

Notaras, John Arthur; and Notaras, Angelo Lambrinos. Apparatus for controlling the quality of the combustion air of an engine. 3,855,976, 12-24-74, Cl. 123-41.620.

Notari, Bruno: *See*—
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Fattore, Vittorio; and Notari, Bruno, 3,850,975.
Piro, Mario; Rivola, Luigi; and Notari, Bruno, 3,843,491.
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Notari, Gennard V.; Groves, Malcolm D.; and Elinn, William S., to Combustion Engineering, Inc. Control line disconnect assembly. 3,806,167, 4-23-74, Cl. 285-39.000.

Notari, Gennaro V.: *See*—
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Notari, Gennaro V., to Combustion Engineering, Inc. Nuclear reactor core shroud. 3,785,924, 1-15-74, Cl. 176-61.000.

Notary, Joseph A.; and Metheny, Donald E., to Heyl & Patterson, Inc. Disposal of ash from coal preparation plant tailings. 3,805,713, 4-23-74, Cl. 110-7.00s.

Notarys, Harris A.; and Mercereau, James E., to California Institute of Technology. Multilayered thin film superconductive device, and method of making same. 3,798,511, 3-19-74, Cl. 317-234.00r.

Note, Thomas N., Jr.; and Walker, Evelyn J., to Becton, Dickinson and Company. Serum/plasma isolator cup. 3,807,955, 4-30-74, Cl. 23-230.00b.

Notelteirs, Victor Rosallie; and Goorissen, Jan, to U.S. Philips Corporation. Lamp with opaque screen. 3,784,861, 1-8-74, Cl. 313-117.000.

Notelteirs, Victor Rosallie; and Van Beek, Ferdinandus Maria Josephus, to U.S. Philips Corporation. Method of manufacturing a halogen incandescent lamp. 3,854,786, 12-17-74, Cl. 316-20.000.

Notermann, Dalles C.; Notermann, Walter F.; and Notermann, Ray M., to Lake Region Products Inc. Water ski foot binding. 3,798,691, 3-26-74, Cl. 9-310.0aa.

Notermann, Ray M.: *See*—
Notermann, Dalles C.; Notermann, Walter F.; and Notermann, Ray M., 3,798,691.

Notermann, Walter F.: *See*—
Notermann, Dalles C.; Notermann, Walter F.; and Notermann, Ray M., 3,798,691.

Notgrass, James Burl. Automatic tilting safety transmission adapter base. 3,851,857, 12-3-74, Cl. 254-134.000.

Nothen, Gunther: *See*—
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Notin, Claude Jacques, to Etablissements Minet. Press-devices. 3,808,968, 5-7-74, Cl. 100-264.000.

Notley, John Percy William; and Noble, James Simon, to Kent, George, Limited. Computer control arrangements. 3,786,433, 1-15-74, Cl. 340-172.500.

Notley, Norman T. Method of developing vesicular photographic materials. 3,785,821, 1-15-74, Cl. 96-49.000.

Noto, Joseph C. Adjustable accessory for attaching a brooch to a band. 3,850,010, 11-26-74, Cl. 63-2.000.

Noto, Kouichi: *See*—
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Nott, Frank Joseph, to Production Equipment Limited. Conveyor belt idler assembly. 3,815,724, 6-11-74, Cl. 198-192.00r.

Nott, Peter Thomas Mence, to Rotork Limited. Pressure equalizing arrangements. 3,817,034, 6-18-74, Cl. 60-478.000.

Notteau, Jean-Luc, to Telecommunications Radioelectriques et Telephoniques T.R.T. Remote power supply for repeaters. 3,835,334, 910-74, Cl. 307-69.000.

Nottebohm, Harald: *See—*
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Nottingham, Frank O., Jr. Phase adapter. 3,809,980, 5-7-74, Cl. 318-220.00r.

Nottke, James E.: *See—*
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Nottke, James E., to Du Pont de Nemours, E. I., and Company. Cyanoperfluoro(vinyl ethers), their preparation and copolymers thereof. 3,852,326, 12-3-74, Cl. 260-465.600.

Notvest, Kenneth R., to Trodyne Corporation. Acoustic emission spot welding controller. 3,824,377, 7-16-74, Cl. 235-92.0pd.

Nouailles, Noel: *See—*
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Nouel, Jean-Paul; and Renault, Henry Emile Edouard, to U.S. Philips Corporation. Method of producing a diagnostic preparation on the basis of an iron complex labelled with 99 mTc. 3,787,565, 1-22-74, Cl. 424-1.000.

Nouel, Jean-Paul, to U.S. Philips Corporation. Method of producing a diagnostic preparation on the basis of macro-aggregates of serum albumin labelled with 99mTc. 3,803,299, 4-9-74, Cl. 424-1.000.

Nouel, Jean-Paul, to U.S. Philips Corporation. Method of producing a carrier for a scintigraphic preparation and scintigraphic preparations including said carrier. 3,812,264, 5-21-74, Cl. 424-1.000.

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Nouveau, Jean Louis: *See—*
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Nova Hut Klementa Gottwalda narodni podnik: *See—*
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Novak, David M. Wick tip holder. 3,799,731, 3-26-74, Cl. 431-313.000.

Novak, Edward P., to Hoover Company, The. Control circuit for timed food heating device. 3,819,904, 6-25-74, Cl. 219-492.000.

Novak, Edward P. Miter device. 3,842,700, 10-22-74, Cl. 83-743.000.

Novak, George E.: *See—*
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Novak, John. Fly and insect trap. 3,820,271, 6-28-74, Cl. 43-113.000.

Novak, Joseph F. Method and apparatus for converting monochrome pictures to multi-color pictures electronically. 3,784,736, 1-8-74, Cl. 178-5.40r.

Novak, Joseph F. Dual action triggering valve device for inflatable equipment. 3,811,461, 5-21-74, Cl. 137-318.000.

Novak, Leo J. Centrifugal mechanical device. 3,810,394, 5-14-74, Cl. 74-87.000.

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Novak, Thaddeus J.; and Poziomek, Edward J., to United States of America, Army. Method and composition for detecting amine compounds. 3,787,184, 1-22-74, Cl. 23-230.00r.

Novak, Walter M.; and Thurmond, Fred A., Jr., to Rogers Machinery Company, Inc. Air compressor system. 3,785,755, 1-15-74, Cl. 418-85.000.

Novak, Warren D. Dial compass. 3,820,244, 6-28-74, Cl. 33-27.00c.

Novak, Warren D. Ski rack. 3,826,378, 7-30-74, Cl. 211-60.0sk.

Novak, Warren D., to Mosler Safe Company, The. Film cassette. 3,829,203, 8-13-74, Cl. 352-78.00r.

Novak, Warren D., to Mosler Safe Company, The. Cassette type sequence camera. 3,848,987, 11-19-74, Cl. 354-212.000.

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Novakovich, Milan. High efficiency pollutant-free combustion gas generator. 3,841,098, 10-15-74, Cl. 60-647.000.

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Novello, Frederick C.; and Baldwin, John J., to Merck & Co., Inc. Pyridyl-trifluoromethylimidazoles. 3,786,061, 1-15-74, Cl. 260-296.00r.

Novello, Frederick C., to Merck & Co., Inc. Method for lowering uric acid levels using 7-alkyl-sulfonyl substituted benzothiadiazine-1,1-dioxides. 3,816,625, 6-11-74, Cl. 424-246.000.

Novello, Frederick C., to Merck & Co., Inc. 3-Pyridyl-1,2,4-benzothiadiazine-1,1-dioxide for lowering uric acid levels. 3,816,626, 6-11-74, Cl. 424-246.000.

Novello, Frederick C., to Merck & Co., Inc. 6-Sulfamoyl-7-substituted-4(3H)-quinazolinones for decreasing uric acid concentration. 3,816,631, 6-11-74, Cl. 424-252.000.

Novello, Frederick C., to Merck & Co., Inc. 2-Hetero substituted 4(3H)-quinazolinones. 3,825,542, 7-23-74, Cl. 260-256.50r.

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Noveroske, Robert L. Antifungal composition and method of alkylenebisdithiocarbamate complex compounds. 3,826,846, 7-30-74, Cl. 424-289.000.

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Novitch, Howard, to New England Nuclear Corporation. Dually sealable, non-leaking vial for shipping radioactive materials. 3,811,591, 5-21-74, Cl. 215-12.00r.

Novitch, Howard, to New England Nuclear Corporation. Method of packaging radioactive materials. 3,826,059, 7-30-74, Cl. 53-27.000.

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Novkov, Raymond E., to Warner & Swasey Company, The. Cutoff tool having improved rigidity properties. 3,802,042, 4-9-74, Cl. 29-96.000.

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Nowak, Chester J. Device for diagnosing and correcting eye fusion. 3,844,641, 10-29-74, Cl. 351-33.000.

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Nowak, Edmund, to Przedsiebiorstwo Doswiadczalne Pras Automatycznych i Tlocznikow "Ponar-Hydomat". Hydraulic press with box- and column-type frame. 3,793,945, 2-26-74, Cl. 100-257.000.

Nowak, Edmund, to Przedsiebiorstwo Doswiadczalne Pras Automatycznych i Tlocznikow "Ponar-Hydomat" Tlocznikow Pornar-Hydomet. Double-acting, casing frame hydraulic press. 3,818,825, 6-25-74, Cl. 100-209.000.

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Nowak, Edward A.; and Pahl, Philip P., to Owens-Illinois, Inc. Method of making glassware. 3,792,988, 2-19-74, Cl. 65-79.000.

Nowak, George R. Photographic projection device. 3,813,160, 5-28-74, Cl. 355-71.000.

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Nowak, James A.: *See—*
Borroughs, James E.; Hoppesch, Joseph P.; and Nowak, James A., 3,852,036.

Nowak, Johann: *See—*
Morell, Josef; Nowak, Johann; Schild, Josef; and Wessner, Harald, 3,815,847.

Nowak, Leon J., to Rheem Manufacturing Company. Non-metallic heat exchanger. 3,804,161, 4-16-74, Cl. 165-158.000.

Nowak, Leonard J.: *See—*
Peters, Burton, Jr.; Nowak, Leonard J.; and Nolte, George J., 3,801,065.

Nowak, Matthew; and Tirellis, Gus George, to United States of America, Army. Optical ammunition inspection system and method. 3,813,174, 5-28-74, Cl. 356-241.000.

Nowak, Ralph M., to Tucker Manufacturing Corporation. Storage unit. 3,847,458, 11-12-74, Cl. 312-108.000.

Nowak, Robert M.: *See—*
Brewbaker, James L.; Nowak, Robert M.; and Dennis, Kent S., 3,836,600.

Nowak, Robert M.; and Ginter, Thomas O., to Dow Chemical Company, The. Unsaturated polyester compositions and thermoset articles prepared therefrom. 3,857,812, 12-31-74, Cl. 260-40.00r.

Nowak, Rudolf: *See—*
Holland, Gerhard W.; and Nowak, Rudolf, 3,847,596.

Nowell, John R.: *See—*
Genuit, Luther L.; and Nowell, John R., 3,843,907.
Genuit, Luther L.; and Nowell, John R., 3,846,695.

Nowell, John R., to Honeywell Information Systems, Inc. Sequencer for a multiple switching regulator. 3,829,755, 8-13-74, Cl. 321-2.000.

Nowicki, Harry J.: *See—*
Curnow, John W.; and Nowicki, Harry J., 3,787,027.

Nowicki, Thomas; Shipp, John I.; Hines, Robin H.; and Broadbent, Thomas D., to AGA Corporation. Compensation means for polarized light electro-optical modulator. 3,787,118, 1-22-74, Cl. 356-5.000.

Nowka, Durval F.; and May, William J., to Tex-Row Music, Inc. Switching system for plurality of audio input. 3,795,769, 3-5-74, Cl. 179-1.0sw.

Nowlain, F. Caroline. Rope container. 3,853,223, 12-10-74, Cl. 206-303.000.

Nowlin, Radford L. Process for counter current pomace washing. 3,851,087, 11-26-74, Cl. 426-425.000.

Nowosielski, Peter: *See—*
White, James A.; and Nowosielski, Peter, 3,842,542.

Nowotny, Kurt A., to Crown Zellerbach Corporation. Nonwoven sheet structures from modified polyolefin fibers. 3,787,256, 1-22-74, Cl. 156-62.200.

Noxxe, Inc.: *See—*
Stephens, William J., 3,794,085.

Noyawa, Kouji, to Nissan Motor Company, Limited. Anti-backlash gearing system. 3,803,935, 4-16-74, Cl. 74-409.000.

Noyce, Robert N.: *See—*
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Noyes, Carlton F.: *See—*
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Noyes, Richard C., to United States of America, Atomic Energy Commission. Fuel subassembly for nuclear reactor. 3,798,124, 3-19-74, Cl. 176-76.000.

Noyes, Russell L., Jr.: *See—*
Morman, Raymond A.; and Noyes, Russell L., Jr., 3,807,399.

Nozaki, Chihiro: *See—*
Kawakami, Masato; Yoshida, Yoshinori; Nozaki, Chihiro; and Imai, Hideki, 3,817,954.
Yasunage, Hidetoshi; Chikatsu, Tatsusuke; Nozaki, Chihiro, and Yoshida, Yoshinori, 3,786,036.

Nozaki, Choji: *See—*
Komatsu, Noboru; Nozaki, Choji; Kurauchi, Toshio; and Sakai, Toshihiko, 3,790,208.

Nozaki, Kenzie, to Shell Oil Company. Production of diethyl ketone. 3,829,499, 8-13-74, Cl. 260-597.00a.

Nozaki, Kenzie, to Shell Oil Company. Production of carboxylic acids and esters. 3,856,856, 12-24-74, Cl. 260-532.000.

Nozaki, Kenzie, to Shell Oil Company. Production of diethyl ketone. 3,857,893, 12-31-74, Cl. 260-597.00a.

Nozaki, Michio B., to Rheem International, Inc., mesne. Cooling sleeve for shaft and bearing for high temperature gas moving system. 3,804,073, 4-16-74, Cl. 126-112.000.

Nozaki, Michio B., to Rheem Manufacturing Company. Vortex humidifier for forced flow hot air furnace. 3,854,468, 12-17-74, Cl. 126-113.000.

Nozaki, Taketoshi: *See*—
Ikeda, Kiichi; Taguchi, Kintaro; Nozaki, Taketoshi; and Matsumoto, Shuntetsu, 3,850,259.

Nozaki, Yoshiyuki, to Mitsubishi Seiko Kabushiki Kaisha. Balance using a beam type load cell. 3,837,416, 9-24-74, Cl. 177-196.000.

Nozari, Mohammad S.: *See*—
Allen, Michael George; Nozari, Mohammad S.; and Tiers, George Van Dyke, 3,808,162.

Nozawa, Hideo, to Kabushiki Kaisha Daini Seikosha. Rectangular waterproof watch casing assembly. 3,782,105, 1-1-74, Cl. 58-90.00r.

Nozawa, Hideo, to Kabushiki Kaisha Daini Seikosha. Waterproof watchcase. 3,822,546, 7-9-74, Cl. 58-90.00r.

Nozawa, Hideo; Aoki, Masayoshi; and Isono, Shoji, to Kabushiki Kaisha Daini Seikosha. Watertight watch case. 3,828,549, 8-13-74, Cl. 58-90.00r.

Nozawa, Kenji, to Ryowa Choon Kogyo Kabushiki Kaisha. Quick-acting release for a normally locked lid of an emergency smoke duct. 3,800,687, 4-2-74, Cl. 98-42.000.

Nozawa, Shigenori: *See*—
Akazawa, Yoshinobu; Yagyu, Masami; Nozawa, Shigenori; and Yasui, Satoshi, 3,846,548.

Nozawa, Shozo, to Ricoh Co. Ltd. Device for controlling diaphragm in lens of single-lens reflex camera. 3,831,181, 8-20-74, Cl. 354-45.000.

Nozawa, Takamitsu; Tasaki, Takaharu; and Nishiiue, Kazuo, to Yoshino Kogyosho Co., Ltd. Safety cap. 3,795,337, 3-5-74, Cl. 215-9.000.

Nozawa, Takamitsu; and Kishi, Takao, to Yoshino Kogyosho Co., Ltd. Liquid spraying device. 3,797,748, 3-19-74, Cl. 239-321.000.

Nozawa, Takamitsu; and Kishi, Takao, to Yoshino Kogyosho Co., Ltd. Liquid spraying device. 3,799,448, 3-26-74, Cl. 239-321.000.

Nozawa, Testuo: *See*—
Hamana, Isao; Fujiwara, Yoshio; Yoshikawa, Hirofumi; Shiokawa, Kanzi; Kato, Seijun; and Nozawa, Testuo, 3,803,282.

Nozawa, Yoshikuni, to Sankyo Kogaku Kogyo Kabushiki Kaisha. Tape recorder. 3,810,237, 5-7-74, Cl. 360-96.000.

Nozawa, Yoshikuni, to Sankyo Kogaku Kogyo Kabushiki Kaisha. Tape recorder. 3,810,240, 5-7-74, Cl. 360-96.000.

Noziere, Jean, to Saint-Gobain Industries, mesne. Method for the expression of expandable granules of thermoplastic materials in particular polystyrene. 3,832,430, 8-27-74, Cl. 264-51.000.

Nozik, Arthur Jack, to American Cyanamid Company. Light-transmitting electrically conducting cadmium stannate and methods of producing same. 3,811,953, 5-21-74, Cl. 136-89.000.

Nozik, Arthur Jack. Infrared windows and optical coatings for same derived from CD2SNO4. 3,815,036, 6-4-74, Cl. 330-4.300.

Noznick, Peter P.: *See*—
Bundus, Robert H.; and Noznick, Peter P., 3,793,467.

Noznick, Peter P.; Tatter, Charles W.; and Obenauf, Carl F., to Beatrice Foods Co. Sour cream powder. 3,792,178, 2-12-74, Cl. 426-187.000.

Nozomu, Torii; and Nobuyuki, Koki, to Aisin Seiki Kabushiki Kaisha. Safety apparatus for vehicle door latches. 3,799,596, 3-26-74, Cl. 292-216.000.

Nozu, Takashi: *See*—
Ito, Koujirou; Ishimoto, Atsuo, Yamada, Yuzo, Inoue, Hiroshi; and Nozu, Takashi, 3,839,139.

NPI Corporation, mesne: *See*—
Baker, Edward D., 3,791,162.
Larson, Eugene, 3,797,373.

N.R. Fitments Limited. *See*—
Crisp, David J., and Ford, Roger A., 3,810,558.

NRM Corporation: *See*—
Enders, George E., 3,789,712.
Enders, George E.; and Cantarutti, Armindo, 3,795,563.
Pierce, Ronald E., 3,853,328.
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Peschke, Walter C.; and Novak, William R., 3,800,285.

Nu Con, Inc.: *See*—
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Nu Swift International Limited. *See*—
Cotton, Michael John, 3,826,125.

Nu-Air Humidifier Corporation: *See*—
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Nu-Concept Computer Systems, Inc.: *See*—
Vandermark, Harold F., 3,804,320.

Nu-Pro Corporation: *See*—
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Nuber, Otto, to Fouquet-Werk Frauz & Planck. Multi-system circular knitting machine with needle selection device, and method for needle selection. 3,805,555, 4-23-74, Cl. 66-50.00r.

Nucklos, James E.; and Eichenlaub, Earl V. Signal analyzing apparatus for time sequential signals. 3,803,631, 4-9-74, Cl. 346-35.000.

Nuclear Associates, Inc.: *See*—
Glasser, Herman; and Panetta, Patrick F., 3,806,110.

Nuclear Battery Corporation, mesne: *See*—
Bustard, Thomas Stratton, 3,842,489.

Nuclear Metals, Inc., mesne: *See*—
Kaufmann, Albert R., 3,826,598.

Nuclear Power Group Limited, The: *See*—
Pettinger, Donald Stanley; and Roberts, Geoffrey Alfred, 3,804,711.

Nuclear Radiation Development, Inc.: *See*—
Olson, Orval L.; and Radosavljevic, Dusan, 3,818,545.

Nuclear Research Associates, Inc., mesne: *See*—
Erlich, Melvin P.; Stoller, Milton; Grand, Stanley; and De Cote, Robert, 3,826,899.

Nuclear Waste Systems Company: *See*—
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Nuclear-Chicago Corporation: *See*—
Frank, Richard S., 3,805,071.
Gramm, Richard F.; and Walton, Philip W., 3,852,602.
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Nuclearay Inc.: *See*—
Kirkpatrick, Frederick J., 3,818,232.

Nucleonics Development Company: *See*—
Fishman, Jack B.; and Mutschler, William E., 3,800,143.

Nuda, Taro: *See*—
Shomura, Takashi; Ezaki, Norio; Tsuruoka, Takashi; Niwa, Tomizo; Akita, Ehchi; and Nuda, Taro, 3,799,842.

Nudd, Graham R. Acoustic surface wave device. 3,845,419, 10-29-74, Cl. 333-30.00r.

Nudelman, Abraham: *See*—
McCaully, Ronald J.; and Nudelman, Abraham, 3,803,129.

Nudelman, Abraham; and McCaully, Ronald J., to American Home Products Corporation. Optically active 1,3-dihydro-3-substituted-5-phenyl-2*H*-1,4-benxodiazepin-2-ones and process for their separation. 3,801,568, 4-2-74, Cl. 260-239.80d.

Nudelman, Abraham; and McCaully, Ronald J., to American Home Products Corporation. N-carboxymethyl-n-substituted glycinate esters of 3-hydroxy-1,4-benzodiazepin-2-ones. 3,825,533, 7-23-74, Cl. 260-239.30d.

Nudelman, Abraham; and McCaully, Ronald J., to American Home Products Corporation. 2,3,6,7-Tetra hydro-2,2-dimethyl-5,7-dioxo-8-hydronitrogeno-5H-T hiazolo-[3,2-c]pyrimidine, 3-carboxylic acids, esters and alkali metal salts and the preparation thereof. 3,50,933, 11-26-74, Cl. 260-256.50r.

Nudenberg, Walter: *See*—
Little, Julian R.; Nudenberg, Walter; and Rim, Yong S., 3,832,422.
Visser, Harry Dale; and Nudenberg, Walter, 3,819,592.

Nudenberg, Walter; Harvey, Merlin P.; and Mann, James Urquhart, to Uniroyal, Inc. Cyclic 0,0,5-s-triesters of phosphorodithioic acid, uses of same as accelerators of sulfur vulcanization at elevated temperatures and improved vulcanizates. 3,839,498, 10-1-7, Cl 260-873.000.

Nudeshima, Daisaku: *See*—
Nudeshima, Ichiro; and Nudeshima, Daisaku, 3,834,574.

Nudeshima, Ichiro; and Nudeshima, Daisaku, to Mitsubishi Kasei Kogyo Kabushiki Kaisha; a/k/a Mitsubishi Chemical Industries Limited. Casing adapted to accommodate and transport bottles. 3,834,574, 9-10-74, Cl. 217-19.000.

Nuding, James Andrew: *See*—
Miller, Charles Edward; and Nuding, James Andrew, 3,851,287.

Nudinger, Gunter; Collin, Heinrich; and Moosburger, Hans, to Bayerische Berg-, Hutten- und Salzwerke AG. Process for connecting expiring first web to beginning second web. 3,837,954, 9-24-74, Cl. 156-159.000.

Nuehring, Donald E., to Zenith Radio Corporation. Method for applying an internal coating to a cathode ray tube. 3,791,846, 2-12-74, Cl. 117-38.000.

Nuehring, Donald E., to Zenith Radio Corporation. Apparatus for applying an internal coating to a cathode ray tube. 3,839,990, 10-8-74, Cl. 118-50.000.

Nuerrenbach, Axel: *See*—
Fischer, Martin; Wiersdorff, Walter-Wielant; Nuerrenbach, Axel; Horn, Dieter; and Feichtmayr, Franz, 3,838,029.

Nugent, Adam, Jr.: *See*—
Baker, Ralph W.; Bergeron, Charles R., and Nugent, Adam, Jr., 3,816,608.

Nugent, John A. Telemetering system. 3,803,361, 4-9-74, Cl. 179-15.0fd.

Nugent, John A. Telemetering system. 3,826,868, 7-30-74, Cl. 178-67.000.

Nugent, John L.; and Claypool, Harry W., to Westinghouse Electric Corporation. Modulation and noise analyzer. 3,808,528, 4-30-74, Cl. 324-77.00r.

Nugent, John L.; and Claypool, Harry W., to Westinghouse Electric Corporation. Low noise RF signal generator. 3,832,653, 8-27-74, Cl. 331-116.00r.

Nugent, Walter Stone. Fastener. 3,785,013, 1-15-74, Cl. 24-204.000.

Nukada, Takao: *See*—
Futamata, Masayuki; Nukada, Takao; Kitta, Yasuo; Morita, Koiti; and Hirose, Kazuyuki, 3,838,952.

Nukem, G.m.b.H.: *See*—
Hackstein, Karl-Gerhard; Hrovat, Milan; and Wolff, Willi, 3,836,311.
Krauth, Axel; and Muller, Norbert, 3,813,344.
Muller, Henricus; Pirk, Hans; and Hackstein, Karl, 3,842,155.

Nukina, Shogo: *See*—
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Null, Fay E., to United States of America, Air Force. Automatic pop-up decoy. 3,839,940, 10-8-74, Cl. 89-1.05f.

Null, Harold R.: *See*—
Eubanks, Lloyd S.; Eby, Roy T.; Cruse, Carl M.; Epstein, Henry L.; Null, Harold R.; and Rosenberger, Frederick E., 3,845,121.

Numakura, Toshihiko: *See*—
Narahara, Hisaaki; Numakura, Toshihiko; and Watanabe, Yoshimi, 3,786,176.
Narahara, Hisaaki; Numakura, Toshihiko; and Watanabe, Yoshimi, 3,798,361.

Numao, Saichi; and Yoneyama, Yukio, to Yorozu Jidosha Kogyo Kabushiki Kaisha. Automatic deburring process. 3,795,175, 3-5-74, Cl. 90-24.00a.

Numata, Saburo: *See*—
Kanekominami, Keiji; Okuzawa, Yasutoshi; and Numata, Saburo, 3,804,351.
Sagara, Iwao; Shishikura, Hirohisa; and Numata, Saburo, 3,818,495.

Numata, Saburo, to Fuji Shashin Koki Kabushiki Kaisha. Exposure control device. 3,801,822, 4-2-74, Cl. 250-214.00p.

Numata, Yehan: *See*—
Nishina, Shingo, 3,803,719.

Numatics, Incorporated: *See*—
Cook, Roger J.; and McGeachy, Donald E., 3,817,562.

Numbers, J. L.; and Bailey, Guy, to Bailey, Guy. Toilet brush with improved universal joint. 3,820,187, 6-28-74, Cl. 15-244.00a.

Numertap, Inc.: *See*—
Steiner, Rudolph, 3,787,136.
Steiner, Rudolph, 3,814,535.

Numicon, Inc.: *See*—
Price, Robert B.; and Hosterman, Richard N., 3,793,896.
Price, Robert B.; Hosterman, Richard N.; and Cook, William G., 3,795,155.

Nunan, Craig S.: *See*—
McIntyre, Raymond D.; and Nunan, Craig S., 3,838,284.

Nunes, John F. Sod handling machine and method. 3,807,505, 4-30-74, Cl. 172-20.000.

Nunes, John F., Jr. Sod harvesting apparatus. 3,807,504, 4-30-74, Cl. 172-20.000.

Nunez, Julio de Castro. Machine for the continuous manufacture of hollow elements. 3,809,514, 5-7-74, Cl. 425-112.000.

Nunley, Dan. Holder for trotline fishhooks. 3,803,750, 4-16-74, Cl. 43-54.50a.

Nunlist, Erwin J.; and Coleman, Howard G., to Sybron Corporation. Spray cleaning system. 3,791,583, 2-12-74, Cl. 239-227.000.

Nunlist, Erwin J.; Pontes, Lionel J.; and Irving, Gus M., Jr., to Sybron Corporation. Automatic filtermass press. 3,857,336, 12-31-74, Cl. 100-269.000.

Nunnally, Kenneth R.: *See*—
Turley, Robert R.; Castor, William M.; and Nunnally, Kenneth R., 3,849,339.

Nunnink, Charles P., Jr.; and Bell, Marvin D., to Recreation Creations, Inc. Trailer vehicle anti-theft plug assembly. 3,810,664, 5-14-74, Cl. 280-507.000.

Nuova San Giorgio S.p.A.: *See*—
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Viglione, Giovanni, 3,813,870.

Nup Nau, Arthur E., to Bell & Howell. Indexing mechanism. 3,791,622, 2-12-74, Cl. 352-123.000.

Nupla Corporation: *See*—
Carmien, Joseph Allen, 3,819,288.
Carmien, Joseph Allen, 3,821,973.
Carmien, Joseph Allen, 3,830,125.

Nupp, Raymond W., to EDMAC Associates Inc. Sonobuoy receiver system, floating coupler. 3,845,402, 10-29-74, Cl. 330-10.000.

Nuprin Corporation: *See*—
Hondzinski, Leonard J., 3,848,538.
Hondzinski, Leonard J., 3,848,539.
Hondzinski, Leonard J., 3,848,540.
Hondzinski, Leonard J., 3,848,541.

Nupro Company: *See*—
Gallagher, Bernard J.; Shufflebarger, Earl D.; Simko, David M.; Medvick, Richard J.; Boylan, John R.; and Danko, Oliver L., 3,782,685.
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Nurminen, Matti Pekka; and Hammar, Paavo Henrikki. Method of producing a light room element. 3,845,544, 11-5-74, Cl. 29-458.000.

NUS Corporation: *See*—
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Nusbaum, Milton S.: *See*—
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Nuss, Barry D.: *See*—
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Nuss, Christopher, to Chrysler Corporation. Automobile accessory drive. 3,791,147, 2-12-74, Cl. 60-422.000.

Nuss, Christopher, to Chrysler Corporation. Pulley method of manufacture. 3,848,309, 11-19-74, Cl. 29-159.00r.

Nuss, Robert F., Jr.: *See*—
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Nuss, Robert F., Jr., to Edwards Company, Inc. Code communication system for remote stations. 3,796,994, 3-12-74, Cl. 340-163.000.

Nussbaum, Frank J.: *See*—
Greenberg, Walter H.; and Nussbaum, Frank J., 3,843,295.

Nussbaum, Manfred: *See*—
Dorre, Erhard; and Nussbaum, Manfred, 3,793,648.

Nussbaum, Ralph W.: *See*—
Curtis, Omer E., Jr.; Tuller, Harold W.; and Nussbaum, Ralph W., 3,789,038.

Nussbaum, William J. Reagent-impregnated substrate for the performance of bacterial and chemical tests. 3,810,739, 5-14-74, Cl 23-253.0tp.

Nussbaumer, Henri J., to International Business Machines Corporation. Signal processing device for weighting delta coded sequences by pair wise summation of coefficients according to the matching condition of counterpart. 3,814,917, 6-4-74, Cl. 235-152.000

Nussbaumer, Henri Jean: *See*—
Pierret, Jean-Marc; Lautier, Alex Honore; Maddens, Francis Paul; and Nussbaumer, Henri Jean, 3,843,942.

Nussbaumer, Thomas, to Adeola AG. Fluid flow control elements. 3,850,082, 11-26-74, Cl. 91-461.000.

Nussdorfer, Theodore J.: *See*—
Figler, Burton D.; and Nussdorfer, Theodore J., 3,848,129.

Nusser, Hermann; Van Elden, Hendricus; and Ebert, Jurgen, to Bosch, Robert, GmbH. Pump and electric driven motor unit. 3,801,231, 4-2-74, Cl. 417-410.000.

Nutku, Ata. Toroidal chamber rotating piston machine. 3,798,897, 3-26-74, Cl. 60-39.010.

Nutrilite Products, Inc.: *See*—
Westall, Edward B.; and Pimbley, Kenneth C., 3,802,896.

Nutrionics Machine Corporation: *See*—
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Nutron Corporation: *See*—
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Nutt, David Walter: *See*—
Boothman, David Richard; and Nutt, David Walter, 3,838,314.
Boothman, David Richard; and Nutt, David Walter, 3,845,354.
Boothman, David Richard; and Nutt, David Walter, 3,848,160.

Nutt, Wallace H., to Teledyne Canada Limited. Holding and closing means for garbage bags. 3,807,598, 4-30-74, Cl. 220-63.00r.

Nutt, Wallace H., to Teledyne Canada, Limited. Sheet metal panel assembly. 3,831,799, 8-27-74, Cl. 220-4.000.

Nuttall, Fleet E.: *See*—
Adler, Seymour; Nuttall, Fleet E.; and Shapero, Wallace H., 3,852,389.

Nuttall, Michael W.: *See*—
Gay, Derek J.; Smedley, William H.; Cohen, Aaron G.; Dworkin, Darryl R.; Nuttall, Michael W.; and Wilson, Nicol S., 3,808,732.

Nuttall, Wayne E.: *See*—
Nishkian, Martin A.; and Nuttall, Wayne E., 3,800,975.

Nutten, Warren D., and Phillips, Barnard C., to Borg-Warner Corporation, mesne. Charge forming method and apparatus with overspeed governor. 3,802,401, 4-9-74, Cl. 123-115.000.

Nutten, Warren D.; and Phillips, Bernard C., to Borg-Warner Corporation. Charge forming method and apparatus with overspeed governor. 3,807,371, 4-30-74, Cl. 123-114.000.

Nutten, Warren D.; and Phillips, Bernard C., to Borg-Warner Corporation. Charge forming method and apparatus with overspeed governor. 3,822,685, 7-9-74, Cl. 123-114.000.

Nutter, Benjamin P., to Schlumberger Technology Corporation. Releasable connection for pressure controlled test valve systems. 3,796,261, 3-12-74, Cl. 166-237.000.

Nutter, Benjamin P., to Schlumberger Technology Corporation. Pressure controlled drill stem tester with reversing valve. 3,823,773, 7-16-74, Cl. 166-.500.

Nutter, Benjamin P., to Schlumberger Technology Corporation. Pressure controlled test valve system for offshore wells. 3,824,850, 7-23-74, Cl. 73-151.000.

Nutter, Charles E.: *See—*
Stapleford, Stuart H.; and Nutter, Charles E., 3,850,601.
Stapleford, Stuart H.; and Nutter, Charles E., 3,853,683.

Nutter, Donald J., 25% to Seward, Gordon B. Wheel supported exercising device. 3,784,192, 1-8-74, Cl. 272-57.00j.

Nutting Truck and Caster Company: *See—*
Biessener, Richard M., 3,797,406.
Biessener, Richard M., 3,824,930.
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N.V. Bekaert S.A.: *See—*
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N.V. Chemische Fabriek Naarden: *See—*
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N.V. Hollandse Signaalapparaten: *See—*
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N.V. Industrieele Handelscombinatie Holland. *See—*
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NV International Octrooimaatschappij "Octropa": *See—*
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N.V. Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia: *See—*
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N.V. Leidsche Apparatenfabriek: *See—*
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N.V. Maschinefabriek L. te Strake: *See—*
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N.V. Meubelfabriek "Deco": *See—*
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N.V. Optische Industrie "De Oude Delft": *See—*
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N.V. Veluwse Machine Industrie: *See—*
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N.V. Werkspoor: *See—*
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N.V. Werktuigenfabriek Mulder: *See—*
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Nyanza, Inc.: *See—*
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Nyboer, Robert P. Gripping device assembly for tensioned pliable elongate member. 3,793,729, 2-26-74, Cl. 32-23.000.

Nyborg, Ralph A. Bag handling equipment. 3,802,695, 4-9-74, Cl. 271-2.000.

Nyby Bruks Aktiebolag: *See—*
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Nyc, Vladimir. Remote controlled, self-propelled lawn sprinkler. 3,782,633, 1-1-74, Cl. 239-191.000.

Nyce, Jack Leland: *See—*
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Nye, Dudley D., Jr.: *See—*
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Nye, Dudley D., Jr.; and Eisenstadt, Daniel J., to Airpax Electronics Incorporated. Ground fault detector circuit with feedback to sensor. 3,848,159, 11-12-74, Cl. 317-18.00d.

Nye, Dudley D., Jr.; Carlson, Peter J.; and Keith, Arley, Jr., to Airpax Electronics Incorporated. Temperature stable one-shot multivibrator. 3,854,058, 12-10-74, Cl. 307-273.000.

Nye, James Leroy: *See—*
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Nye, John David, to Ferrox Iron Ltd. Process for producing hard ferrites. 3,794,720, 2-26-74, Cl. 423-594.000.

Nye, John R. Trickle irrigation system. 3,843,056, 10-22-74, Cl 239-64.000.

Nye, Larry R.: *See—*
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Nye, Norman H. Depth control device for fish lure. 3,796,000, 3-12-74, Cl. 43-43.130.

Nye, Norman H.; and Medkeff, Arthur T. Apparatus for picking up and transferring light articles. 3,820,666, 6-28-74, Cl. 214-1.0bv.

Nye, William M.; and Jones, Stanley W., to Lanier Electronic Laboratory, Inc., mesne. Switching apparatus for selectively interconnecting dictation machines and stations. 3,783,199, 1-1-74, Cl. 179-100.1dr.

Nye, William M.; and Jones, Stanley W., to Lanier Electronic Laboratory, Inc., mesne. Tape movement indication means and signalling device. 3,821,802, 6-28-74, Cl. 360-72.000.

Nyeste, Zoltan P.; Wendt, Peter G.; and Kilbane, John K., to Worthington-CEI, Incorporated. Multi-stage centrifugal compressor. 3,802,795, 4-9-74, Cl. 415-122.00.

Nygaard, Harold A.; and Rubin, Jacob N., to Stone & Webster Engineering Corporation. Recovery and purification of ethylene from direct hydration ethanol vent gas streams. 3,827,245, 8-6-74, Cl. 62-18.000.

Nygaard, James L., to Texas Instruments Incorporated. Automatic slice processing. 3,812,947, 5-28-74, Cl. 198-19.000

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Nygren, Charles E.: *See—*
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Nykopp, Erik A., to Oy Tampella AB. Paper machine press section and method for using same. 3,826,713, 7-30-74, Cl. 162-205.000.

Nylube Products Company: *See—*
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Nylund, Knut, to Maschinenfabrik Oerlikon. Apparatus for hardening winding insulation. 3,784,350, 1-8-74, Cl. 425-445.000.

Nyman, Bengt E.; and Becker, Larry T., to Sundstrand Corporation Hydromechanical transmission. 3,803,843, 4-16-74, Cl. 60-445.000.

Nyman, Bengt E. Motorcycle trailer. 3,817,556, 6-18-74, Cl. 280-400.000.

Nyn, Vladimir Semenovich: *See—*
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Nysten, Bernhard P., to William Prym-Werke K.G., Firma. Attaching of buttons and the like without sewing. 3,785,009, 1-15-74, Cl. 24-90.0ta.

Nystrand, Ernst Daniel, and McIntosh, Brian H., to Paper Converting Machine Company, Inc. Disposable diaper. 3,814,100, 6-4-74, Cl. 128-287.000.

Nystrand, Ernst Daniel, to Paper Converting Machine Company, Inc. Ply-bonding method, apparatus and product. 3,834,286, 9-10-74, Cl. 93-1.100.

Nystroem, Ernest Holger Bertil. Valve and dosage apparatus. 3,819,300, 6-25-74, Cl. 417-191.000.

Nystrom, Thomas L.: *See—*
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Nystuen, Marcus I.: *See—*
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Nyul, Paul: *See—*
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Nyulassie, Jack A. Antenna mounting bracket. 3,802,653, 4-9-74, Cl. 248-43.000.

Nyunoya, Mizuo: *See—*
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Oakes, Eric J., to Gulf General Atomic Incorporated. Power Generating system. 3,798,909, 3-26-74, Cl. 60-694.000.

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Oakes, Martin: *See—*
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Oakes, Vincent; and Iles, Brian Rodney, to Interstab Limited. Stabilisation of vinyl polymers. 3,809,677, 5-7-74, Cl. 260-45.75k.

Oakes, Vincent; and Cross, David F. W., to Interstab Limited, mesne. Vinyl chloride resins stabilized with metal compound-epoxy compound-phosphite combination. 3,829,396, 8-13-74, Cl. 260-23.0xa.

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Oakley, Roy C., Jr.: *See—*
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Oaks, Grover Edward, Jr. Trailer hitch adapter. 3,815,936, 6-11-74, Cl. 280-415.00a.

Oaks, John P., Jr. Tire spreader device. 3,830,469, 8-20-74, Cl. 254-50.300.

Oaks, Seibert S.: *See—*
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Oaks, William D.: *See—*
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Oanoski, Florian Bernard, to ICI America, Inc. Initiator and blasting cap. 3,804,018, 4-16-74, Cl. 102-28.00m.

Oasa, Hiroshi: *See—*
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Oates, Alex N.; and Edmonds, James T., Jr., to Phillips Petroleum Company. High temperature resistant laminates. 3,819,407, 6-25-74, Cl. 117-138.80n.

Oates, Alfred E.: *See—*
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O'Bara, Edward John: *See—*
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Obara, Katsuji. Automatic bag feed system. 3,785,414, 1-15-74, Cl. 141-114.000.

Obara, Nasoshi: *See—*
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Obayashi, Mikio; and Endo, Junji, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method for the chromizing of iron or ferrous alloy articles. 3,853,603, 12-10-74, Cl. 117-107.20p.

Obayashi, Nobuharu; and Sakashita, Tetsuzi, to Kabushiki Kaisha Kawai Gakki Seisakusho. Electronic musical instrument capable of transposing. 3,824,325, 7-16-74, Cl. 84-1.010.

Obayashi, Nobuharu, to Kabushiki Kaisha Kawai Gakki Seisakusho. Vibrato signal generating apparatus for an electronic musical instrument. 3,824,326, 7-16-74, Cl. 84-1.250.

Obayashi, Noburaru, to Kabushiki Kaisha Kartal Gakki Seisakusho Haniatsu-shi. Electronic musical instrument. 3,794,747, 2-26-74, Cl. 84-1.010.

Obayashi, Takashi: *See—*
Suto, Munehisa; Itoh, Takuji; Tagaya, Nobuaki; and Obayashi, Takashi, 3,843,509.

Obayashi, Tomokazu: *See—*
Nagasawa, Taro; Tomita, Mamoru; Tamura, Yoshitaka, Obayashi, Tomokazu; and Mizota, Teruhiko, 3,816,174.

Obdrazalek, Stanislaus, to Bleckmann & Co. Method and apparatus for effecting a controlled reduction in the cross-section of a tubular electric heater. 3,807,207, 4-30-74, Cl. 72-12.000.

Obeda, Edward G.: *See—*
Denslow, Clark A.; and Obeda, Edward G., 3,833,163.

Obellianne, Pierre Marie Joseph; Carbonnel, Pierre Andre; Loiseau, Gerard Paul Marie Henri; and Millischer, Rene Jean, to Produits Chimiques Ugine Kuhlmann. 2-Methylamino-4'-methyl-4-piperazinyl-6-chloro-5-methylthio -pyrimidine, salts thereof, process fortheir preparation and their use as medicaments. 3,843,656, 10-22-74, Cl. 260-256.50r.

Obenauf, Carl F.: *See—*
Noznick, Peter P.; Tatter, Charles W.; and Obenauf, Carl F., 3,792,178.

Obenaus, Helmut, to Fehrer, Ernst, Dr. Gesellschaft mbH & Co and K.G. Textilmaschinenfabrik und Stahlbau. Apparatus for needle-punching a web. 3,849,845, 11-26-74, Cl. 28-4 00r

Obenchain, Keith T.; and Jimerson, James C., to Mallory, P. R., & Co., Inc. Column type stacked plate capacitor 3,832,607, 8-27-74, Cl. 317-261.000

Obenchain, Richard F. Process for producing metal from metal oxide pellets in a cupola-type vessel 3,832,158, 8-27-74, Cl. 75-38.000.

Obendorf, Werner; Lindner, Irmgard; Krieger, Josef; and Schwarzinger, Ernst, to Osterreichische Stickstoffwerke Aktiengesellschaft 3-Amino-2,4,6-triiodobenzoic acid derivatives. 3,853,866, 12-10-74, Cl. 260-247.20a.

Obenhaus, Robert E., to Texas Instruments, Incorporated. Optically coupled threshold monitoring system. 3,803,419, 4-9-74, Cl. 250-551.000.

Obenhaus, Robert E., to Texas Instruments Incorporated. Computer input/output interface systems using optically coupled isolators 3,825,896, 7-23-74, Cl. 340-147 00r

Obenhaus, Robert E.; and Squiers, David J., to Texas Instruments Incorporated. Protector/indicator using PTC heater and thermostatic bimetal combination. 3,840,834, 10-8-74, Cl. 337-79.000.

Obenreder, Robert J., to PPG Industries, Inc. System for determining the nature of optical distortion in glass. 3,792,930, 2-19-74, Cl. 356-209.000.

Obenreder, Robert J., to PPG Industries, Inc. Surface distortion analyzer. 3,857,637, 12-31-74, Cl. 356-120.000.

Obenshain, David Noel, to Westvaco Corporation. Rotary cutter with quick change knife. 3,822,625, 7-9-74, Cl. 83-342.000.

Obenshain, George R.: *See—*
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Yakubek, Louis P.; and Obenshain, George R., 3,816,088.

Ober, Howard C. Chopper and shredder. 3,806,047, 4-23-74, Cl. 241-188.00r.

Oberbeck, Gelmut, to LICENTIA Patent-Verwaltungs-G.m.b.H. Method for producing dielectrically coated waveguides for the H $_{o,1}$ wave. 3,825,998, 7-30-74, Cl. 29-600.000.

Oberdank, Jack O., to Wayne Manufacturing Company. Street sweeper filter shaker system. 3,847,576, 11-12-74, Cl. 55-283.000.

Oberdicar, Robert C., to Amex Systems, Inc. Grounding device for shielded electrical cable. 3,830,957, 8-20-74, Cl. 174-78.000.

Oberender, Frederick G.: *See*—
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Oberg, Anders B., to Svenska Dataregister AB. Article coding system. 3,809,863, 5-7-74, Cl. 235-61.11e.

Oberg, Gary R.; and Sokolski, Michael, to Minnesota Mining and Manufacturing Company, mesne. Data sheet trim marks. 3,808,406, 4-30-74, Cl. 235-61.12n.

Oberg, Mats: *See*—
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Oberg, Nathan: *See*—
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Oberg, Per Olof, to Sanera Projecting Aktiebolag. Floatable boom structure. 3,798,911, 3-26-74, Cl. 61-1.00f.

Oberg, Per Olof, to Sanera Projecting Aktiebolag. Floating boom structures. 3,807,177, 4-30-74, Cl. 61-1.00f.

Oberg, Robert S.: *See*—
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Obergfell, Allen R.: *See*—
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Obergfell, Allen R., to Fastener Corporation. Fastener driving tool. 3,834,602, 9-10-74, Cl. 227-120.000.

Obergfell, Allen R., to Fastener Corporation. Fastener driving tool. 3,850,359, 11-26-74, Cl. 227-10.000.

Oberhansli, Peter, to Givaudan Corporation. Process for preparing cycloalkenone esters. 3,796,742, 3-12-74, Cl. 260-468.00k.

Oberhansli, Peter, to Givaudan Corporation. Process for the manufacture of cycloalkenones. 3,823,190, 7-9-74, Cl. 260-586.00r.

Oberhauser, Ernst-Gunther: *See*—
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Oberholtzer, Jene V. Sewer relief valve. 3,815,629, 6-11-74, Cl. 137-527.800.

Oberholtzer, Jene V. Sewage backwater relief vent. 3,852,836, 12-10-74, Cl. 4-219.000.

Oberkirch, Wolfgang: *See*—
Gunther, Peter; Oberkirch, Wolfgang; Pampus, Gottfried; Haas, Friedrich; and Marwede, Gunter, 3,824,226.

Oberkirch, Wolfgang; Gunther, Peter; and Pampus, Gottfried, to Farbenfabriken Bayer Aktiengesellschaft. Process for the polymerisation with ring opening of cyclopentene. 3,787,381, 1-22-74, Cl. 260-87.50e.

Oberle, Arthur, to Brown Boveri & Company Limited. Combined emergency stop and governor valve for controlling fluid flow to a turbo-machine. 3,809,126, 5-7-74, Cl. 137-630.140.

Oberley, Gene L.: *See*—
Keathley, Anthony C.; Oberley, Gene L.; Peace, Roderick J.; and Stewart, Jack D., 3,795,970.

Oberley, Gene L.; and Stewart, Jack D., to Princeton Metal Systems Corporation. Collapsible feed mechanism. 3,791,187, 2-12-74, Cl. 72-272.000.

Oberlinner, Andreas: *See*—
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Oberloier, John W. Timming apparatus. 3,810,405, 5-14-74, Cl. 83-100.000.

Oberly & Newell, Inc.: *See*—
Brand, Charles S., 3,789,778.

Obermann, George; Enger, Michael H.; and Mosik, Michael F., Jr., to Controls Company of America. Timer. 3,823,280, 7-9-74, Cl. 200-38.00r.

Obermark, Herbert Mauritz, deceased (by Ekholm, Tommy Ludvig Wilhelm), to Ekman, Erik Gunnar. Means for manual data registration. 3,846,915, 11-12-74, Cl. 33-174.00r.

Obermeier, Karl: *See*—
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Obermeit, Gerhard E. Auto warm-up theft preventing apparatus. 3,850,260, 11-26-74, Cl. 180-114.000.

Obermiller, Herbert C.: *See*—
Delamater, Charles E.; Obermiller, Herbert C.; and Kryah, John C., 3,828,698.

Oberpichler, Gerd, to Volkswagenwerk Aktiengesellschaft. Hydraulic control device. 3,800,627, 4-2-74, Cl. 74-752.00e.

Oberpichler, Gerd, to Volkswagenwerk Aktiengesellschaft. Hydraulic control device for controlling down-shift of automatic transmission. 3,842,693, 10-22-74, Cl. 74-864.000.

Oberright, Edward A.: *See*—
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Oberschiven, Hermann: *See*—
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Oberster, Arthur E.: *See*—
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Obert, Luciano, to Burndy Electra S.p.A. Connector for automatically establishing electric connections between vehicles, particularly between railroad vehicles. 3,839,697, 10-1-74, Cl. 339-42.000.

Oberth, Adolf E.; and Bruenner, Rolf S., to United States of America, Air Force. Curing system for carboxy terminated polybutadiene propellants. 3,817,945, 6-18-74, Cl. 260-78.40d.

Oberto, Edwin L., to Burgess Vibrocrafters, Inc. Can opener with removable cutter assembly. 3,818,589, 6-25-74, Cl. 30-4.00r.

Oberto, Edwin L., to Burgess Vibrocrafters, Inc. Oscillating water sprinkler. 3,829,018, 8-13-74, Cl. 239-242.000.

Oberual, Jack O., to Wayne Manufacturing Company. Road sweeper paddle conveyor. 3,805,310, 4-23-74, Cl. 15-83.000.

Oberwager, Jerome, to National Teaching Aids, Inc. Kit for making work of art having the appearance of a stained-glass window. 3,815,263, 6-11-74, Cl. 35-26.000.

Oberwelland, Klaus; and Wiegratz, Siegfried, to Storck, August, G.m.b.H., Firma. Apparatus for producing a packaged assortment of different sweets. 3,785,115, 1-15-74, Cl. 53-154.000.

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O'Brien, Loren James, to Dana Corporation V drive system 3,814,201, 6-4-74, Cl 180-44 00r

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O'Brien, Terence J , to Callus Memories, Inc Latch mechanism for memory disc cartridge 3,789,273, 1-29-74, Cl 317-141 00r

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Ochiai, Takeshi, to Toyota Jidosha Kogyo Kabushiki Kaisha Skid controlling system for vehicles 3,806,202, 4-23-74, Cl. 303-21.0af

Ochiai, Takeshi, to Toyota Jidosha Kogyo Kabushiki Kaisha Inflatable restraint device for occupants of vehicles and the like 3,822,895, 7-9-74, Cl 280-150.0ab

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Ochiai, Tatsushiro *See*—
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O'Connell, William J J, to General Electric Company Process for preparing polycarbonate alloys 3,801,673, 4-2-74, Cl 260-873.000

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O'Connor, Chadwell Panhead drag mechanism 3,822,769, 7-9-74, Cl 188-290.000

O'Connor, Chadwell Roller hand actuator 3,828,615, 8-13-74, Cl 74-89.220

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O'Connor, James E, to National Cash Register Company, The Process for removing copper films from substrates 3,804,689, 4-16-74, Cl 156-233.000

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Ogawa, Taizo: *See—*
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Ogawa, Yoshikatsu, Katada, Keiji, Nakano, Mitsuhiro, and Yasumatsu, Kozi, to Marubishi Yuka Kogyo Kabushiki Kaisha. Plasticized vinyl chloride polymer composition for transparent packing film 3,829,398, 8-13-74, Cl. 260-31.80r

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Oggonan, Walter, to Smithe, F. L., Machine Company, Inc. Die cutter drive for an envelope blank forming machine 3,782,232, 1-1-74, Cl. 83-236.000

Oggonan, Walter, to Smithe, F. L., Machine Company, Inc. Method and apparatus for forming envelope blanks for a web 3,802,307, 4-9-74, Cl. 83-96.000

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Ogihara, Masuo; and Watanabe, Masanori, to Seiko Koki Kabushiki Kaisha. Opening device for an electronic shutter. 3,838,436, 9-24-74, Cl. 354-259.000.

Ogihara, Masuo, to Seiko Koki Kabushiki Kaisha. Camera shutter power switch maintaining connection for cameras with electrically-operated shutters. 3,839,607, 10-1-74, Cl. 200-33.00r.

Ogihara, Masuo; and Watanabe, Masanori, to Seiko Koki Kabushiki Kaisha. Shutter assembly for a camera. 3,849,788, 11-19-74, Cl. 354-226.000.

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Ogiso, Mitsutoshi, and Takahashi, Kiyoshi, to Canon Kabushiki Kaisha. Exposure indicating device 3,800,305, 3-26-74, Cl. 354-60.000

Ogiso, Mitsutoshi, Takahashi, Kiyoshi, Furukawa, Hiroshi, and Itani, Takashi, to Canon Kabushiki Kaisha. System for simultaneous recording with a camera and system for synchronized reproduction. 3,804,497, 4-16-74, Cl. 352-17.000.

Ogiso, Mitsutoshi, Hosoe, Kazuya, Takahashi, Kiyoshi, and Itani, Takashi, to Canon Kabushiki Kaisha. Camera and microphone combination having a variable directional characteristic in accordance with a zoom lens control 3,837,736, 9-24-74, Cl. 352-12.000

Ogiso, Mitsutoshi, Aizawa, Hiroshi, and Kozuki, Susumu, to Canon Kabushiki Kaisha. Continuous photographing camera which can be driven with high speed by an auxiliary power source. 3,853,396, 12-10-74, Cl. 354-174.000

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Ogle, Pearl R., Jr., to United States of America, Atomic Energy Commission. Separation of uranium isotopes by chemical exchange. 3,794,716, 2-26-74, Cl. 423-253.000.

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Ogle, Robert W., to IMS Limited. Multi-mix 3,842,836, 10-22-74, Cl. 128-262.000

Ogle, Robert W., to IMS Limited. Intravenous container with dislodgeable septum and dislodging piercer 3,857,392, 12-31-74, Cl. 128-214.00c.

Ogle, Robert Walter, to IMS, Limited. Flex-o-jet 3,828,779, 8-13-74, Cl. 128-272.000

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Ogly, Asan-Nuri Abdulla, Baldenko, Dmitry Fedorovich, Gusman, Moisei Timofeevich, Kochnev, Anatoly Mikhailovich, and Nikomarov, Samuil Solomonovich. Multistart helical rotor mechanism. 3,822,972, 7-9-74, Cl. 418-48.000

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Oguchi, Yutaka, Kubo, Junichi, and Goto, Shinji, to Industrial Science & Technology, Agency of. Method for discharging particulate solid from high pressure vessel 3,785,966, 1-15-74, Cl. 208-213.000

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Ogura, Iwao; Onishi, Yoshihiro; and Arimoto, Akira, to Hitachi, Ltd. Holography memory with zero-order diffraction light removed. 3,800,298, 3-26-74, Cl. 340-173.0lm.

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Oh, Chan Soo; and Pasierb, Edward Francis, to RCA Corporation. Liquid crystal electro-optic devices. 3,792,915, 2-19-74, Cl. 350-160.01c.

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Ohama, Tsuyoshi; and Shinohara, Konosuke, to Nisshin Steel Co., Ltd. Double walled tube of high chromium steel. 3,832,136, 8-27-74, Cl. 29-191.000.

O'Hanlon, Edward J.; and Lavery, Lewis F. Refrigeration apparatus and process. 3,826,106, 7-30-74, Cl. 62-275.000.

O'Hanlon, Edward J. Building system. 3,854,260, 12-17-74, Cl. 52-309.000.

O'Hara, Eugene F., to Management Programs, Inc. Perceptual measuring apparatus and method. 3,837,095, 9-24-74, Cl. 35-22.00r

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Ohba, Shunjiro: Sequential control circuit for a remote-controlled vehicle. 3,856,104, 12-24-74, Cl. 180-98.000.

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Takase, Kunio; Miyakoshi, Hisashi; and Ohmura, Mitsuo, 3,848,418.

Ohbu, Misao, and Asakawa, Kenichi, to Nippon Steel Corporation. Method for hot dipping aluminum-killed steel sheet. 3,843,417, 10-22-74, Cl. 148-12.000.

Ohchi, Kazuo: *See*—
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Ohfuji, Tadao, to Happy Shokai Co., Ltd. Improved photograph mount. 3,822,495, 7-9-74, Cl. 40-158.000.

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Ohgoshi, Akio; and Katagiri, Yoshiharu, to Sony Corporation. Color picture tube with deflection center control. 3,831,051, 8-20-74, Cl. 313-75.000.

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Ohi, Kunio, Shimada, Sadakuni, and Ohtomo, Isao, to Nippon Telegraph and Telephone Public Corporation and Hitachi Electronics Co., Ltd. Wideband directional filter device. 3,803,519, 4-9-74, Cl. 333-10.000.

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Ohi, Reiichi, Sugiyama, Mitsunori, Nakajima, Yosuke, Horie, Michio, and Kobayashi, Shigeru, to Fuji Photo Film Co., Ltd. Silver halide photographic emulsion sensitized with a heterocyclic compound containing 4-sulfur atoms. 3,857,711, 12-31-74, Cl. 96-107.00.

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Ohishi, Tetsu, Fukushima, Hiroshi, and Fukuda, Hideo. Oil-resistant polymer composition. 3,790,646, 2-5-74, Cl. 260-894.000.

Ohkawa, Shunjiro, Yatabe, Yoshihiro, Mizuno, Tetsuo, and Matsumura, Takeshi, to Bridgestone Tire Company Limited. Apparatus for forming rubber products such as a tread rubber by extrusion. 3,830,610, 8-20-74, Cl. 425-141.000.

Ohkawa, Shunjiro, and Minagawa, Katsumio, to Bridgestone Tire Company Limited. Extrusion die device. 3,849,045, 11-19-74, Cl. 425-131.100.

Ohkawa, Tihiro, to United States of America, Atomic Energy Commission, mesne. Toroidal apparatus for confining plasma. 3,801,438, 4-2-74, Cl. 176-3.000.

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Ohkubo, Kinji, Masuda, Takao, Shiba, Keisuke, Hinata, Masanao, Sato, Akira, and Ogawa, Akira, to Fuji Photo Film Co., Ltd. Fogged, direct-positive silver halide emulsion layer containing a cyanine dye and a compound containing a metal of Group VIII of the eriodic table. 3,782,957, 1-1-74, Cl. 96-101.000.

Ohkubo, Kinji, Masuda, Takao, and Noguchi, Junpei, to Fuji Photo Film Co., Ltd. Thermally developable light sensitive material. 3,827,889, 8-6-74, Cl. 96-114.100.

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Ohkuma, Akihiro, to Matsushita Electric Industrial Co., Ltd. Method for coating electronic components. 3,804,737, 4-16-74, Cl. 204-181.000.

Ohlberg, Stanley M., and Jones, James V., to PPG Industries, Inc. Method of manufacturing sheet and float glass at high production rates. 3,833,388, 9-3-74, Cl. 106-25.000.

Ohle, Harold F. Pollution control apparatus. 3,802,158, 4-9-74, Cl. 55-122.000.

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Ohlhoff, Hans-Jurgen, to Wieland-Werke AG. Circular saw machines. 3,808,922, 5-7-74, Cl. 83-168.000.

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Ohlrogge, Wilhelm; and Hetz, Walter; to Siemens Aktiengesellschaft. Chair for dental patients. 3,806,192, 4-23-74, Cl. 297-318.000

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Ohlschlager, Hans; Ghys, Theofiel Hubert; Verhille, Karel Eugeen, and Kampfer, Helmut, to Agfa-Gevaert Aktiengesellschaft. Spectrally sensitized electrophotographic material. 3,782,934, 1-1-74, Cl. 96-1.700.

Ohlschlager, Hans, and Riester, Oskar, to Agfa-Gevaert Aktiengesellschaft. Spectrally sensitized light sensitive silver halide material. 3,796,580, 3-12-74, Cl. 96-127.000.

Ohlschlager, Hans; Riester, Oskar, and Dorlars, Alfons, to Agfa-Gevaert Aktiengesellschaft. Spectrally sensitized direct position silver halide emulsion layers. 3,816,138, 6-11-74, Cl. 96-101.000.

Ohlschlager, Hans, Riester, Oskar; Gotze, Johannes, and Dorlars, Alfons, to Agfa-Gevaert Aktiengesellschaft. Spectrally sensitized light-sensitive silver halide photographic material. 3,844,798, 10-29-74, Cl. 96-127.000.

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Ohlson, Karl Gunnar. Asphalt mixing plants for making asphalt concrete mix. 3,857,552, 12-31-74, Cl. 259-156.000.

Ohlson, Stuart A. Building construction and method. 3,834,095, 9-10-74, Cl. 52-122.000

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Ohmia, John Raymond. Crank system. 3,808,897, 5-7-74, Cl. 74-44.000

Ohmae, Kenji, Shinada, Hidehiro, and Nikkawa, Hisashi, to Tokyo Shibaura Electric Co., Ltd. Electric flash bulb for use as indicator. 3,820,937, 6-28-74, Cl. 431-13.080

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Ohme, Wolfgang, Grund, Karl, and Winkler, Jorg, to Hewlett-Packard GmbH. Apparatus for the measurement of RMS values. 3,795,868, 3-5-74, Cl. 328-144.000

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Ohnesorge, Ralph R., to Gresen Manufacturing Company. Orbital device. 3,849,034, 11-19-74, Cl. 418-61.00b

Ohnishi, Akira, Irako, Koichi, Yamamoto, Keisuke, Yokomizo, Yoshio; Odaka, Fumio, Kawagoe, Takahiro; Hayakawa, Yoshihiro, Aoki, Takao, Yamamoto, Akira, Kikuchi, Motoichi, and Sakata, Ryozo, to Bridgestone Tire Company Limited. Manufacturing process for altrnating copolymer of butadiene and acrylonitrile by suspension polymerization. 3,822,242, 7-2-74, Cl. 260-82.500

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Ohnishi, Joichi, and Ota, Isao, to Matsushita Electric Industrial Co., Ltd. Method of electrically detecting colloidal memory. 3,806,893, 4-23-74, Cl. 340-173.0ch

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Ohnishi, Yasushi, to Hitachi, Ltd. Fluorescence spectrophotometer. 3,832,555, 8-27-74, Cl. 250-458.000

Ohniwa, Kazuhiro, and Ishikawa, Seuti, to Kabushiki Kaisha Tadano Tekkosho. Boom extension means. 3,809,248, 5-7-74, Cl. 212-55.000

Ohnmacht, Helmut, and Meywald, Klaus, to Eichenauer, Fritz. Electric heating unit for drying hood. 3,840,723, 10-8-74, Cl. 219-368.000

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Ohno, Kiyomitsu. Article dispensing apparatus with sequentially operable shelves. 3,802,601, 4-9-74, Cl. 221-90.000

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Ohno, Masaaki, to Tokico Ltd. Flow quantity measuring system. 3,803,912, 4-16-74, Cl. 73-195.000

Ohno, Masaji, Okamoto, Masaru, and Kawabe, Norio, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Process for the synthetic production of 2(4,5-dihydro-5-propyl-2) (3H)-furylidene)-1,3-cyclopentanedione. 3,793,347, 2-19-74, Cl. 260-347.800

Ohno, Masaji, Okamoto, Masaru, Kawabe, Norio, Kataoka, Mutsuo, and Hoson, Kazuo, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. 2-(3-(2-Tetrahydrofuryl)-propionyl)-1,3-cyclopentanedione and production of this new physiologically active compound. 3,840,565, 0-8-74, Cl. 260-347.800.

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Ohno, Nobuo; Itaya, Nobushige; Mizutani, Toshio; Okuno, Yositosi, Fujimoto, Keimei; and Kawanami, Toru, to Sumitomo Chemical Company, Limited. Certain furylmethyl and thenyl esters of certain cyclopropane carboxylic acids. 3,857,863, 12-31-74, Cl. 260-347.00

Ohno, Tadao; Shimose, Namio; and Konomi, Shunzi, to Fuji Photo Film Co., Ltd. Reciprocating cutting method and apparatus. 3,785,246, 1-15-74, Cl. 90-11.00e

Ohno, Tadao; Shimōse, Namio; and Konomi, Shunzi, to Fuji Photo Film Co., Ltd. Reciprocating cutting machine. 3,785,247, 1-15-74, Cl. 90-15.000.

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Ohnsorge, Horst. Fiber optic information transmission system. 3,801,819, 4-2-74, Cl. 250-199.000

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Ohnuki, Iwao: *See*—
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Oldfield, Eric, to Westinghouse Canada Limited. Multicable drum hoisting system. 3,789,280, 1-29-74, Cl. 318-45.000.
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Oliver, David W., to General Electric Company. Method for producing crystal boules with extensive flat, parallel facets. 3,795,488, 3-5-74, Cl. 23-301.0sp.

Oliver, Don L., to Cities Service Oil Company. Well flushing method. 3,795,282, 3-5-74, Cl. 175-65.000.

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Oliver, Earl D., to Montecatini Edison S.p.A. Extractive distillation of pyridine-water azetrope with a bisphenol. 3,804,722, 4-16-74, Cl. 203-14.000

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Oliver, George Albert, to Exec (Proprietary) Limited and AE & CI Limited. Sequential activation of electrical apparatus. 3,836,884, 9-17-74, Cl. 337-163.000.

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Oliver, John L. Foot rest for road vehicle. 3,794,353, 2-26-74, Cl. 280-291.000.

Oliver, John M., to PPG Industries, Inc. Recovery of glycols from mixed glycol compositions by distillation with acid treatment. 3,847,754, 11-12-74, Cl. 203-34.000.

Oliver, John P., to Cameron Iron Works, Inc. Method and apparatus for connecting subsea flow lines. 3,835,655, 9-17-74, Cl. 61-72.300.

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Oliver, Louise. Service window controlled seat conveyor system. 3,814,020, 6-4-74, Cl. 104-25.000.

Oliver Machinery Company: *See—*
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Oliver, Robert J.; and Turner, Earl W., to International Telephone and Telegraph Corpotation. Methods for protecting the color of cut bone surfaces in fresh and frozen meat 3,814,821, 6-4-74, Cl. 426-265.000.

Oliver, Robert L.: *See—*
Yao, Neng-Ping; Oliver, Robert L.; and Seiger, Harvey N., 3,840,407.

Oliver, Robert M. Yarn spinning apparatus. 3,796,033, 3-12-74, Cl. 57-37.000.

Oliver, Roy N.; and Spain, Roy C. Machine for cutting multiple keys. 3,795,174, 3-5-74, Cl. 90-13.050.

Oliver, Roy N. Auxiliary locking system for motor vehicle. 3,798,936, 3-26-74, Cl. 70-264.000.

Oliver, Roy N. Lock key reproducing tool. 3,807,276, 4-30-74, Cl. 90-13.050

Oliver, Thomas Anderson, Jr.: *See—*
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Oliver Tom's Catering Equipment Limited: *See—*
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Oliver, Ward H.: *See—*
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Oliver, Ward H., to Ciba-Geigy Corporation. Process for the production of 4,4-dibromobenzil. 3,855,287, 12-17-74, Cl. 260-523.00r.

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Olivero, Oliviero, to International Standard Electric Corporation. Coaxial cable joint. 3,813,479, 5-28-74, Cl. 174-88.00e.

Oliveto, Eugene Paul: *See—*
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Krubiner, Alan Martin; and Oliveto, Eugene Paul, 3,832,387.

Olivett, Alessandro, to Soc. S. A. M. E. R. Audio-visual teaching system consisting of a self propelling magnetic reading unit sliding along magnetic tracks pre-recorded on paged sheets. 3,782,005, 1-1-74, Cl. 35-8.00a.

Olivetti, Ing., C., & C., S.p.A.: *See—*
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Bonzano, Giorgio; Lesca, Pier Carlo; and Ponzano, Luigi, 3,789,378.
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Ollfrenshaw, John E.: *See—*
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Ollinger, James C., to Armstrong Cork Company. Ceiling suspension runner. 3,807,114, 4-30-74, Cl. 52-489.000.

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Ollinger, Max; Markwitz, Wernhard; Niethammer, Dieter; and Kvale, Oddvar, to Siemens Aktiengesellschaft. Apparatus for transmitting data over radio connections. 3,798,549, 3-19-74, Cl. 325-322.000.

Ollis, William J. B., to Timber Research and Development Association. Glazing strip. 3,783,567, 1-8-74, Cl. 52-212.000.

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Ollom, Loren R., 25% each to Wong, James W., and Becker, John E. Ornamental display arrangement. 3,806,723, 4-23-74, Cl. 240-10.00b.

Olmsted, Dennis R.: *See*—
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Olney, Henry L. Bobbin retainer attachment for a thread carrying spool. 3,811,608, 5-21-74, Cl. 223-106.000.

Olof, Heinz Gunther: *See*—
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Olofson, Ray A., and Yamamoto, Yasushi Stephan, to Research Corporation, mesne. Vinyloxycarbonyl group as an amino protecting group in the syntheses of peptides. 3,835,109, 9-10-74, Cl. 260-112.500.

Olofsson, Sven; and Tysk, Jan, to LKB Medical AB. Method and device for measuring the flow rate of an intermittent fluid flow. 3,812,714, 5-28-74, Cl. 73-194.00r

Olree, Adrian R.: *See*—
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Olschewski, Paul, bison-werke Bahre and Greten GmbH KG. Apparatus for the continuous manufacture of chip boards. 3,782,875, 1-1-74, Cl. 425-223.000.

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Olsen, Dick Merlin, to Clayton Manufacturing Company. Engine performance analyzer. 3,789,658, 2-5-74, Cl. 73-117.300

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Olsen, Edward H.: *See*—
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Olsen, Frederick C.; Knight, David W.; and Allweier, Werner, to U.S. Baird Corporation, The. Modular press and forming machine. 3,807,215, 4-30-74, Cl. 72-405.000.

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Olsen, John H., to Flow Research, Inc. High pressure fluid intensifier and method. 3,811,795, 5-21-74, Cl. 417-53.000.

Olsen, Judith D.; and Romankiw, Lubomyr T., to International Business Machines Corporation. Method for completely filling small diameter through-holes with large length to diameter ratio. 3,798,136, 3-19-74, Cl. 204-15.000

Olsen, Kaare Ritter. Method and apparatus for depositing foundations under submerged structures. 3,782,127, 1-1-74, Cl. 61-50.000.

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Olsen, Leslie E. Battery operated lamp. 3,857,028, 12-24-74, Cl. 240-10.630.

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Olsen, Olaf M., and Elliott, James D., to AMF Incorporated. Hydraulic control means with magnetic flow sensing spool. 3,822,370, 7-2-74, Cl. 200-81.90m

Olsen, Ole: *See*—
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Olsen, Ove M. Boiler. 3,793,994, 2-26-74, Cl. 122-52.000.

Olsen, Paul J. Laterally stabilized stepladder. 3,786,900, 1-22-74, Cl. 182-172.000.

Olsen, Ray, to Superior Outdoor Display Inc. Illuminated outdoor sign. 3,848,349, 11-19-74, Cl. 40-132.00r.

Olsen, Robert A.: *See*—
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Olsen, Robert C., to Illinois Tool Works Inc. Bottle carrier 3,815,947, 6-11-74, Cl. 294-87.200.

Olsen, Robert E., to Packard Instrument Company, Inc. Tray storage and handling system for scintillation spectrometers and the like. 3,844,428, 10-29-74, Cl. 214-301.000.

Olsen, Robert J., to Northwest Wire Works, Inc. Collapsible trap for crabs and the like. 3,795,073, 3-5-74, Cl. 43-105.000.

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Olsen, Robert W., to Construction Specialties, Inc. Fastening system. 3,815,309, 6-11-74, Cl. 52-489.000.

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Olsen, Tinius, Testing Machine Co., Inc.: *See*—
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Olsen, Willi, to Siemens Aktiengesellschaft. High-voltage piston actuated switch with rotational symmetry and light beam indicating means. 3,784,771, 1-8-74, Cl. 200-82.00b.

Olsen, Willi; and Lorenz, Dieter, to Siemens Aktiengesellschaft Means for adjusting a conductor in high voltage electrical equipment. 3,809,795, 5-7-74, Cl. 174-28.000.

Olsen, Willi, to Siemens Aktiengesellschaft. Metal-enclosed high voltage line. 3,814,831, 6-4-74, Cl. 174-28.000.

Olsen, Willi, to Siemens Aktiengesellschaft. Compressed-gas-insulated electric switching system. 3,823,346, 7-9-74, Cl. 317-103.000.

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Olshansky, Nikolai Alexandrovich; Smelyansky, Matvei Yakovlevich, Lopatko, Anatoly Petrovich, Tkachev, Leonid Grigorievich; Kozhaev, Arkady Filippovich; Sapozhnikov, Alexandr Ivanovich, and Chernakov, Gennady Anatolievich. Method of electron-beam welding o thick parts by vertical and girth seams. 3,829,651, 8-13-74, Cl. 219-121.0em.

Olson, Albert W.: *See*—
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Olson, Allan M.: *See*—
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Olson, Allan M., to Camp Ways Inc. Pack frame with swiveling hip-riders. 3,831,827, 8-27-74, Cl. 224-25.00a.

Olson, Altin J.: *See*—
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Olson, Clifford H., Jr.: *See*—
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Olson, Dan L. Oil cooler. 3,830,289, 8-20-74, Cl. 165-51.000

Olson, David H.: *See*—
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Olson, Donald M., 33 1/3% each to Morris, Max and Kirkman, Earl L. Vaginal speculum. 3,841,318, 10-15-74, Cl. 128-20.000

Olson, Donald O. Snap-on emitter. 3,806,031, 4-23-74, Cl. 239-207.000.

Olson, Donald O. Fluid emitter with flow reversal at emitter groove inlet. 3,806,036, 4-23-74, Cl. 239-267.000

Olson, Donald O. In-line emitter for hose. 3,851,896, 12-3-74, Cl. 285-14.000

Olson, Donald O. Pressure regulator. 3,857,407, 12-31-74, Cl. 137-495.000.

Olson, Donald R., to United States of America. Chemical heater tube. 3,811,422, 5-21-74, Cl. 126-263.000.

Olson, Earl H.; and Traumann, Klaus F., to Du Pont de Nemours, E. I., and Company Crimpable composite polycarbonamide filament 3,817,823, 6-18-74, Cl. 161-173.000.

Olson, Ellis W., to Walbro Corporation, mesne. Catalytic tank heater for engines. 3,796,207, 3-12-74, Cl. 123-142.50r.

Olson, Elmer E., to Lewis, G. B., Company. Hydraulic press 3,793,943, 2-26-74, Cl. 100-269.00r.

Olson, Elmer I., to Durkee-Atwood Company. Package having convertible header for hanging. 3,854,584, 12-17-74, Cl. 206-527.000.

Olson, Emil, Inc.: *See*—
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Olson, Eugene D.; and Aiello, Salvatore F., to Loed Corporation, mesne. Material-handling machine. 3,836,025, 9-17-74, Cl. 214-77.00r.

Olson, Eugene E.: *See*—
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Schlaudt, Charles M.; Clendenen, Ronald L.; and Olson, Eugene E., 3,830,743.

Olson, Eugene E.; and Clendenen, Ronald L., to Shell Oil Company. Ceramic production. 3,853,975, 12-10-74, Cl. 264-82.000.

Olson, Frank Wesley, Jr.; and Roberts, Karl Hutcheson, to Colgate-Palmolive Company. Amine oxide-amphoteric surfactant-cationic surfactant-oil containing hair conditioning shampoo. 3,808,311, 4-30-74, Cl. 424-70.000.

Olson, Frank Wesley, Jr.; and Roberts, Karl Hutchson, to Colgate-Palmolive Company. Shampoo composition possessing separate lotion phase. 3,810,478, 5-14-74, Cl. 132-7.000.

Olson, Frank Wesley, Jr., to Colgate-Palmolive Company. Antimicrobial hairdressing. 3,830,919, 8-20-74, Cl. 424-258.000.

Olson, Frederick O.: *See*—
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Olson, Gaylord G., to SSR Instruments Company. Multi-channel radiation analyzer. 3,820,898, 6-28-74, Cl. 356-82.000.

Olson, George R.: *See*—
Jackson, Obie R., Olson, George R., and Putney, Robert B., 3,810,807.

Olson, Gust A., to Rockwell International Corporation. Embossed card orientation device. 3,792,237, 2-12-74, Cl. 235-61.11r.

Olson, Herbert Oliver, to Olson Paddle Brooms (1972) Ltd. Curling broom. 3,793,668, 2-26-74, Cl. 15-210.00r

Olson, Irving C., to United States of America, Navy. Multicoupler percent frequency separation calculator. 3,822,038, 7-2-74, Cl. 235-88.000.

Olson, Irving G., and Landskov, Hardy K., to United States of America, Navy. Polypole broadband antenna array. 3,852,766, 12-3-74, Cl. 343-844.000.

Olson, James B.: *See*—
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Olson, James R.: *See*—
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Olson, John Dillwyn. *See*—
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Olson, John L. Cam lock vise. 3,815,894, 6-11-74, Cl. 269-167.000

Olson, John M. Tachometer. 3,855,572, 12-17-74, Cl. 340-52.00f

Olson, John W., to C&D Valve Manufacturing Company, a joint Venture. Method and apparatus for maintaining and servicing a pressurized refrigeration system or the like. 3,840,967, 10-15-74, Cl. 29-213.000

Olson, La Clead. *See*—
Judd, Everett W., 3,853,145

Olson, Lloyd J., to Chevron Research Company. Catalyst and preparation method for said catalyst. 3,801,515, 4-2-74, Cl. 252-453.000.

Olson, Louis Harold, to Brunswick Corporation. Drive assembly and suspension for ground-support vehicles. 3,840,082, 10-8-74, Cl. 180-5.00r.

Olson, Marvin M., to Minnesota Mining and Manufacturing Company. Hydrophobic substrates rendered hydrophilic by coating 3,843,397, 10-22-74, Cl. 117-161.0ud

Olson, Maylin J. *See*—
Case, Charles B.; Hebert, David M.; Olson, Maylin J., and Schubert, John C., 3,851,789

Olson, Maynard H., to Minnesota Mining and Manufacturing Company. Use of soluble fluoroaliphatic oligomers in resin composite articles. 3,787,351, 1-22-74, Cl. 260-40.00r

Olson, Milt. *See*—
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Olson, Orval L., and Radosavljevic, Dusan, to Nuclear Radiation Development, Inc. Radioactive static electricity eliminator 3,818,545, 6-25-74, Cl. 317-2.00f

Olson Paddle Brooms (1972) Ltd. *See*—
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Olson, Paul E., and Knight, Homer A., to Westinghouse Air Brake Company. Fluid pressure operable servo positioner 3,831,490, 8-27-74, Cl. 91-387.000

Olson, Rich, to Lockwood Corporation. Irrigation apparatus. 3,840,043, 10-8-74, Cl. 137-344.000

Olson, Rich L., Roland, Murray C., and Hammond, Clif, to Lockwood Corporation. Monitoring system for mobile irrigation apparatus. 3,836,078, 9-17-74, Cl. 239-70.000

Olson, Richard L.: *See*—
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Olson, Richard O., to Motorola, Inc. Transistor having improved safe operating area. 3,858,234, 12-31-74, Cl. 357-34.000.

Olson, Robert Dale, to Chicago Musical Instrument Co. Musical instrument. 3,835,748, 9-17-74, Cl. 84-388.000.

Olson, Robert E.: *See*—
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Olson, Robert L.; and Frazeir, Dean R., to Grain Processing Corporation. Process for producing cottonseed protein isolates. 3,814,748, 6-4-74, Cl. 260-123.500.

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Olson, Roger E., to Olson, Emil, Inc. Sand spreader. 3,815,824, 6-11-74, Cl. 239-674.000.

Olson, Roger F.: *See*—
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Olson, Ronald A., to Tektronix, Inc. Frequency and phase acquisition in a color subcarrier regenerator. 3,850,412, 11-26-74, Cl. 358-10.000.

Olson, Roy C.; and Haire, Charles G., to Merit Industries, Inc. Liquid proportioning apparatus. 3,821,963, 7-2-74, Cl. 137-99.000.

Olson, Verne A. Liquid dispensing apparatus. 3,813,008, 5-28-74, Cl. 222-70.000.

Olson, Victor F. Utility cart. 3,815,933, 6-11-74, Cl. 280-47.350.

Olson, Warren E.: *See*—
Ross, William A.; Bach, John W., and Olson, Warren E., 3,835,779.
Ross, William A., Schmaling, Roderick N., and Olson, Warren E., 3,845,713

Olson, Wayne L. Vibrating rock polisher. 3,812,625, 5-28-74, Cl. 51-163.000.

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O'Neal, Wilbert O.; Page, Burford J.; and Simek, Charles E., to Vendo Company, The. Shelf apparatus for helix type product dispensing machines. 3,840,147, 10-8-74, Cl. 221-75.000.
Oneida Packaging Products, Inc.: *See*—
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O'Neil, James A.: *See*—
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O'Neill, Charles Edward: *See*—
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O'Neill, Cormac G., to Physics International Company. Fuel injection and control system. 3,817,231, 6-18-74, Cl. 123-119.00r.
O'Neill, Cormac G., to Physics International Company. Fuel injection system for internal combustion engines. 3,827,409, 8-6-74, Cl. 123-32.0ea.
O'Neill, Edward T.; Brennan, William M., and Kriechbaum, Gerhard K., to United States of America, Navy. Airfoil camber change system. 3,836,099, 9-17-74, Cl. 244-44.000.
O'Neill, Edwin R. Safety device for protecting an operator's hands. 3,848,502, 11-19-74, Cl. 83-814.000.
O'Neill, Gerald J.; Simons, Charles W.; and Billings, Charles A., to Grace, W. R & Co. Fluorocyclopropanes as inhalation anesthetics. 3,825,606, 7-23-74, Cl. 260-648.00f.
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O'Neill, John Francis: *See*—
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O'Neill, John Sidney; Surrall, Alan John, and Silverstone, Calvin Eric, to British Leyland Truck and Bus Division Limited. Rotary heat exchangers. 3,821,981, 7-2-74, Cl. 165-10.000.
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O'Neill, Roger M.; and Kennedy, John B., Jr., to Continental Can Company, Inc. Apparatus for measuring concentration ratios of a mixture of materials. 3,802,381, 4-9-74, Cl. 118-7.000.
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Szala, Norman M.; O'Neill, Thomas J.; and Kunst, Robert J., 3,799,069.
O'Neill, Wilbur J., to Westinghouse Electric Corporation. Fluid pressure control apparatus. 3,841,348, 10-15-74, Cl. 137-494.000.
O'Neill, William J. Paint spray system. 3,816,025, 6-11-74, Cl. 417-9.000.
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Onishi, Kazuo: *See*—
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Onishi, Kazutoshi: *See*—
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Onishi, Tetsuo; and Ikeura, Hiroo, to Noritsu Koki Co., Ltd. Film splicing apparatus. 3,853,668, 12-10-74, Cl. 156-461.000.
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Ono, Hisatake; and Katsuyama, Harumi, to Fuji Photo Film Co., Ltd. Process for preparing 2,3-dihydro-1H, 6H-1,5-benzodiazocine-2-one derivative. 3,803,011, 4-9-74, Cl. 204-158.00r.
Ono, Hisatake, Watarai, Syu, and Katsuyama, Harumi, to Fuji Photo Film Co., Ltd. Photosensitive material for electrophotography including indoline derivatives. 3,850,949, 11-26-74, Cl. 260-307.00f.
Ono, Isao, Iguni, Tetsuo, and Akashi, Mitsumasa, to Rohm and Haas Company. Catalyst for the production of acrolein and acrylic acid. 3,786,000, 1-15-74, Cl. 252-464.000.
Ono, Iwao. Flush hosiery hanger. 3,833,159, 9-3-74, Cl. 223-85.000
Ono, Joji. *See*—
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Ono, Kazuo; Tsuchiya, Tadao, Kawamoto, Akio, and Nakada, Jun, to Mitsubishi Rayon Company, Limited and Shin-Kobe Electric Machinery Company, Limited. Process for making structural material having a foamed inner layer. 3,855,376, 12-17-74, Cl. 264-46.100
Ono, Keiichi *See*—
Nakao, Masaru, Sasajima, Kikuo, Maruyama, Isamu; Takayama, Masaharu, Katayama, Shigenari; Ono, Keiichi; Yanagihara, Izumi; Tanaka, Yoshihiro; Katsube, Jinki, Inaba, Shigeho, and Yamamoto, Hisao, 3,850,935.

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Ono, Masayuki: *See*—
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Ono, Minoru, to Hitachi, Ltd. Semiconductor device having a surface parallel to the [100] plane and a channel stopper parallel to the [111] plane. 3,798,513, 3-19-74, Cl. 317-235.00r.
Ono, Mitsuaki: *See*—
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Ono, Shigeo, and Hamaguchi, Ichiro, to Nippon Kogaku K.K. Device for controlling shutter exposure time. 3,810,226, 5-7-74, Cl. 354-51.000.
Ono, Shigeo, to Nippon Kogaku K.K. Camera equipped with an automatic exposure control system. 3,829,867, 8-13-74, Cl. 354-28.000.
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Ono, Takeshi, and Yamamoto, Kimihiko, to Aisin Seiki Kabushiki Kaisha. Sewing machine usabl; in both lock stitch mode and chain stitch mode. 3,807,330, 4-30-74, Cl. 112-168.000.
Ono, Yasuhiro, to Iwasaki Tsushinki Kabushiki Kaisha, a/k/a Iwatsu Electric Co., Ltd. Telephone set circuit. 3,810,247, 5-7-74, Cl. 179-81.00r.
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Ono, Yoshio, to Pioneer Electronic Corporation. Cartridge adapter. 3,849,798, 11-19-74, Cl. 360-94.000
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Onoda, Yoshimitsu; Saito, Kunio; Okumura, Yosio; Okuyama, Toshiaki; and Otazawa, Nobuaki, to Hitachi, Ltd. Cycloconverter type thyristor motor. 3,832,611, 8-27-74, Cl. 318-171.000.
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Onoe, Katsuhiko; and Tanaka, Mitsuyoshi, to Glory Kogyo Kabushiki Kaisha. Sheet-separating device in sheet counter used for a sheet counting mechanism. 3,801,777, 4-2-74, Cl. 235-98.00r.
Onoe, Morio, and Hirama, Koichi, to Toyo Tsunshinki Kabushiki Kaisha, a/k/a Toyo Communication Equipment Co., Ltd. Multicrystal oscillator for self temperature compensation. 3,821,666, 6-28-74, Cl. 331-162.000
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Onoki, Fumio; and Kamiya, Hajime, to Hoya Lens Co., Ltd. Coated optical component made of plastic. 3,811,753, 5-21-74, Cl. 350-175.0ng.
Onopchenko, Anatoli; and Schulz, Johann G. D., to Gulf Research & Development Company. Process for preparing mesitylenic acid. 3,840,594, 10-8-74, Cl. 260-524.00r.
Onopchenko, Anatoli; and Schulz, Johann G. D., to Gulf Research & Development Company. Composition containing higher fatty acids. 3,842,106, 10-15-74, Cl. 260-413.000
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Onsager, Olav T., to Halcon International Inc. Preparation of polyamides by polymerization of a dinitrile a diamine and water in the presence of controlled amounts of ammonia. 3,847,876, 11-12-74, Cl. 260-78.00r
Onsager, Olav Torgeir. Preparation of cyano compounds. 3,795,694, 3-5-74, Cl. 260-465.80r
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Oohura, Saburo; and Nakashima, Kazuhiko, to Kanebo Ltd. Method of clearing waste colored aqueous liquid. 3,822,205, 7-2-74, Cl. 210-52.000.

Oohara, Saburo, to Kanebo Ltd. Method and apparatus for cleaning waste liquid containing diluted dye. 3,829,380, 8-13-74, Cl. 210-30.000.

Ooi, Yasuhiro: *See—*
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Ooka, Isami, to Osaka Gas Kabushiki Kaisha. Gas transmission system suitable over wide demand variation. 3,802,213, 4-9-74, Cl. 62-55.000.

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Ookubo, Tomoji; Hashimoto, Kiyoshi; and Okada, Masaru, to Japan Exlan Company Limited. Producing multi-color dyed acrylic textile containing wool with acid, direct and cationic dyes. 3,788,805, 1-29-74, Cl. 8-21.00a.

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Oomen, Joris Jan Cornelis; and Wolters, Donald Robert, to U.S. Philips Corporation. Mono-grain layer membrane. 3,787,277, 1-22-74, Cl. 161-87.000.

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Oostenbrink, Albertus Anthony, to Industriele Onderneming Wavin N.V. Pipe connection with clamping ring. 3,857,589, 12-31-74, Cl. 285-110.000.

Oosterling, Pieter Adriaan: *See—*
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Oota, Shiro; and Yonezawa, Keitaro. Pressure responsive valve. 3,809,117, 5-7-74, Cl. 137-493.600.

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Ooya, Junichiro; Takayama, Katsuki; and Kuwana, Kazutaka, to Aisin Seiki Kabushiki Kaisha. Method for detecting mutual higher and lower revolutional speeds of a plurality among rotating members. 3,798,556, 3-19-74, Cl. 328-133.000.

Ooyama, Noboru: *See—*
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Opal, Kenneth E.; Kelly, Charles R.; Newcamp, Charles W.; Ley, William M.; and Pietkiewicz, Robert S., to Power Control Corporation. Method and apparatus for providing efficient and stable power inversion with voltage and frequency control. 3,819,992, 6-2574, Cl. 318-171.000.

Opaque Systems, Ltd.: *See—*
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Opderbeck, Rudolph G., to Wacker Corporation. Vibration generator. 3,817,646, 6-18-74, Cl. 404-133.000.

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Opfer, James E.: *See—*
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Opie, William R.; and Coffin, Lamar D., to American Metal Climax, Inc. Roasting of copper sulfide concentrates combined with solid state segregation reduction to recover copper. 3,799,764, 3-26-74, Cl. 75-72.000.

Opinel, Jacques. Folding pocket knife. 3,798,766, 3-26-74, Cl. 30-161.000.

Opittek, Eugene W.: *See—*
Heard, James L.; Opittek, Eugene W.; and Rands, Larry G., 3,798,425.
Heard, James L.; Hoffman, William C.; and Opittek, Eugene W., 3,810,174.
Heard, James L.; Hoffman, William C.; Opittek, Eugene W., and Wolfson, Gerald, 3,838,420.

Opitz, Eric J. Mowing and bagging machine. 3,802,173, 4-9-74, Cl. 56-202.000.

Opmeer, Arthur. Split level bird cage. 3,815,549, 6-11-74, Cl. 119-17.000.

Oppel, John A.: *See—*
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Oppenlaender, Knut, Liebold, Gert; and Buettner, Egon, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Crude oil demulsifiers 3,786,081, 1-15-74, Cl. 260-471.00c.

Oppenlaender, Kurt. *See—*
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Oppmann, Richard C.. *See—*
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Oppmann, Richard C., to General Motors Corporation. Voltage generating circuit for a gas turbine fuel control system. 3,834,158, 9-10-74, Cl. 60-39.28r.

Opprecht, Paul. Method of electric seam resistance welding 3,842,235, 10-15-74, Cl. 219-83.000.

Opratko, Vaclav: *See—*
Bell, James Alexander E.; Opratko, Vaclav; and Clarkson, Daniel Kelly, 3,819,801.

Opratko, Vaclav; Bell, James Alexander Evert; and Ferrajuolo, Roberto Vincenzo. Acid leaching of lateritic ore. 3,809,549, 5-7-74, Cl. 75-101.00r

Opsonar Organ Corporation, nieme: *See—*
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Orain, Michel, to Societe Anonyme: Glaenzer Spicer. High-capacity homokinetic coupling. 3,792,596, 2-19-74, Cl. 64-21.000.

Orain, Michel, to Societe Anonyme. Glaenzer Spicer. Radial centering device for high speed transmission couplings. 3,792,597, 2-19-74, Cl. 64-7.000.

Orain, Michel, to Societe Anonyme: Glaenzer Spicer. Internal biasing assembly axially retaining couplings. 3,792,598, 2-19-74, Cl 64-21.000.

Orain, Michel, to Societe Anonyme: Glaenzer Spicer. Apparatus for assembling two parts into interlocked and interfitting relationship. 3,792,603, 2-19-74, Cl. 72-402.000.

Orain, Michel, to Societe Anonyme: Glaenzer Spicer. Sliding joint for transmitting torque. 3,797,276, 3-19-74, Cl. 64-23.700.

Orain, Michel, to Societe Anonyme: Glaenzer Spicer. Method and apparatus for simultaneously cutting a plurality of slots in the side wall and closed end of a bell-shaped workpiece. 3,805,653, 4-23-74, Cl. 83-188.000

Orain, Michel, to Societe Anonyme. Glaenzer Spicer. Protective arrangement for a rotary power transmission coupling. 3,817,057, 6-18-74, Cl. 64-32.00f.

Oral Corporation: *See—*
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Oram, John Anderson. Adjustable articulated support arm. 3,820,752, 6-28-74, Cl. 248-278.000.

Oram, John Anderson. Multi-beam lighting device. 3,832,539, 8-27-74, Cl. 240-41.300.

Oram, John Anderson. Lighting devices. 3,840,734, 10-8-74, Cl. 240-41.00r.

Oram, John Gibb: *See—*
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Oranje, Leendert, to N.V. Nederlandse Gasunie. Device for removing impurities from gases. 3,822,533, 7-9-74, Cl. 55-394.000

Oratronics, Incorporated: *See—*
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Orbesen, G. Bradley, to Carrier Corporation. Refrigerant expansion device. 3,842,616, 10-22-74, Cl. 62-225.000.

Orbison, Frank H.; and Halland, Howard M., to Appleton Mills. Single endless strand mounted in a series of paralled convolutions as a fibrous web supporting surface in a papermaking machine. 3,814,665, 6-4-74, Cl. 162-274.000.

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O'Rear, Jacques G.; and Griffith, James R., to United States of America, Navy. Bis(trifluoromethyl)epoxides. 3,849,450, 11-19-74, Cl. 260-348.00r.
Orehoski, Michael A.: *See—*
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Oriecchio, F. Frederick, to Badger Company, Inc., The. Process for hydrogenating halogenated hydrocarbons. 3,855,347, 12-17-74, Cl. 260-683.900.
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Oriel, George J., to Xerox Corporation. Toner cleaning apparatus. 3,838,472, 10-1-74, Cl. 15-256.510
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Orito, Zen-Ichi; Uchida, Minoru; Takesue, Masatoshi; Sahara, Hajime; and Fujii, Kihiro, to Mitsubishi Rayon Company, Limited. Acrylic fibers having excellent pilling resistance and a process for producing the same. 3,802,954, 4-9-74, Cl. 161-180.000.
Orito, Zen-Ichi; Sugimoto, Hiroshi; Uchida, Minoru; Sahara, Hajime, Takesue, Masatoshi; and Nishida, Kiyoharu, to Mitsubishi Rayon Company Limited. Polyacrylonitrile synthetic fiber and a process of manufacturing the same. 3,827,932, 8-6-74, Cl. 161-172.00.
Oritz, Angel J. Pipe cutting and plugging machine. 3,828,408, 8-13-74, Cl. 29-33.00r.
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Orjans, Jerker, and Lamberg, Martti, to Kemira Oy. Apparatus for liquid-liquid extraction. 3,804,594, 4-16-74, Cl. 23-270.500.
Orkin, Stanley S.; and Nagy, Edward John, to Kacarb Products Corporation. Molded plastic bearing assembly. 3,806,216, 4-23-74, Cl. 308-241.000.
Orlandi, Arthur A., to Commercial Wire and Display Prod. Corporation. Article support. 3,850,396, 11-26-74, Cl. 248-223.000.
Orlandini, Bruno; Um, Taesung; and Larson, Andrew H., to Bunker Hill Company, The. Sulfuric acid purification process. 3,826,819, 7-30-74, Cl. 423-531.000.
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Bronicki, Lucien Yehuda, 3,830,064.
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Paugh, Edward C., and Snead, Wilford A., 3,838,515.
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Ormeachea, Jose Joaquin Aguirre. Steel making apparatus. 3,814,405, 6-4-74, Cl. 266-34.00t.
Ormerod, Alan: *See—*
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Ormerod, Philip Austin, to Imperial Chemical Industries Limited Weft selecting apparatus. 3,825,038, 7-23-74, Cl. 139-122.00w.
Ormesher, Edward Russell; and Yates, John Allan. Manufacture of flat glass. 3,798,016, 3-19-74, Cl. 65-99.00a
Ormiston, Robert A.: *See—*
Sweeney, Thomas E., Condit, Philip M.; and Ormiston, Robert A., 3,788,578.
Ormiston, Robert B.: *See—*
Tacke, William H., Ormiston, Robert B., and McKay, Robert H., 3,802,146.
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Tacke, William H.; Ormiston, Robert B.; and McKay, Robert H., 3,831,330.
Tacke, William H., Ormiston, Robert B., and McKay, Robert H., 3,834,093.
Ormond, Alfred Newman. Low interaction multi load cell system for measuring thrust. 3,708,130, 1-29-74, Cl. 73-117.400.
Ormond, Alfred Newman. Load cell and flexure means for transferring force thereto. 3,865,604, 4-23-74, Cl. 73-141.00a.
Ormont, Louis. Convertible roof for a station wagon. 3,782,776, 1-1-74, Cl. 296-137.00b
Ormossy, Miklos: *See—*
Szabo, Katalin, nee Mogyorosi, Banhidy, Janos, Lazar, Ferenc, and Ormossy, Miklos, 3,853,535.
Ormsbee, Mary K. Liquid developer composition. 3,793,234, 2-19-74, Cl. 252-62.100
Ormsby, George S., to Pioneer Centrifuging Company. Rotating machine wear gauging means and method. 3,849,893, 11-26-74, Cl. 33-181.00r.
Ormsby, Robert W.: *See—*
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Orndorff, Ross M., to Hughes Aircraft Company. Radiation hardened flip flop. 3,786,282, 1-15-74, Cl. 307-291.000.
Orne, Albert Albin. *See—*
Hassellof, Donald Elmer, and Orne, Albert Albin, 3,802,356.
Orne, Laurence E. Stable signal generator. 3,815,053, 6-4-74, Cl. 331-168.000.
Ornitz, Martin N., Moskowitz, Arthur, and Bressanelli, Jerome P., to Crucible Inc. Austenitic stainless steel. 3,784,373, 1-8-74, Cl. 75-128.00f.
Ornstein, Jacob L. *See—*
Charest, Kenneth, Hanley, Robert F., and Ornstein, Jacob L., 3,829,296.
Ornstein, Jacob L., to Texas Instruments, Incorporated. Composite thermostat material. 3,788,821, 1-29-74, Cl. 29-195.500.
Ornstein, Jacob L., to Texas Instruments, Incorporated Composite three layer metal thermostat. 3,838,985, 10-1-74, Cl. 29-195.500.
Ornstin, A., Limited: *See—*
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Oronzio de Nora Impianti Elettrochimici S.p.A. *See—*
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O'Rork, Charles T., Jr. *See—*
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Oroschakoff, Georgi. Reinforcement for reinforced-concrete structures. 3,800,492, 4-2-74, Cl. 52-662.000.
Orosy, David J.; and Matlen, Abraham J., to Matlen, Abraham J. Temperature regulation for electrical heater. 3,789,190, 1-29-74, Cl. 219-497.000.
Orosz, Ivan: *See—*
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O'Rourke, Anne Cecile, and Kent, John Scott, to Syntex (U.S.A.) Inc. Stabilized prostaglandin preparations. 3,826,823, 7-30-74, Cl 424-80.000.
O'Rourke, John C., to TRW Inc. Storm choke apparatus for submergible pumps. 3,807,894, 4-30-74, Cl. 415-147.000.
O'Rourke, John C., to TRW, Inc. Flexible submergible electric motor. 3,826,936, 7-30-74, Cl. 310-87.000.
O'Rourke, John C., to TRW, Inc. Cable-suspended, liner-supported submersible pump installation with locking discharge head 3,853,430, 12-10-74, Cl. 417-360.000
O'Rourke, John F.: *See—*
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Orozco, Enrique H.: *See—*
Khambatta, Sarosh M., and Asimor, Brian L., 3,800,383.
Orozco, Hector Mendoza. Bicycle foot brakes. 3,831,716, 8-27-74, Cl. 188-24.000.
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Orr, Alfred Thorburn. *See—*
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Orr, Bobby J., to Allis-Chalmers Corporation. Track idler mount and recoil adjuster. 3,787,097, 1-22-74, Cl. 305-10.000.
Orr, Bobby J., to Allis-Chalmers Corporation. Track link with eccentric seal counterbore. 3,787,098, 1-22-74, Cl. 305-11.000.
Orr, Clyde, Jr., Hendrix, Warren P., and Camp, Ronnie W., to Micromeritics Instrument Corporation, mesne. Sorption analysis apparatus and method. 3,850,040, 11-26-74, Cl. 73-432.0ps
Orr, Coy D.: *See—*
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Orr, Howard S.: *See—*
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Orr, John L., to Keystone Consolidated Industries, Inc. Removable cylinder lock. 3,824,817, 7-23-74, Cl. 70-81.000
Orr, Kathleen C. Compartmented container. 3,820,656, 6-28-74, Cl 206-72.000
Orr, Richard L. *See—*
Kivlen, John A.; Orr, Richard L., Chwab, William H., and Macindoe, George F., 3,812,663
Orr, Thomas: *See—*
Orr, Thomas, and Ogden, Roland (said Ogden assor. to said), 3,807,388
Orr, Thomas, and Ogden, Roland, said Ogden assor. to said Orr, Thomas. Heartbeat rate monitors. 3,807,388, 4-30-74, Cl. 128-205.00r
Orr, Thomas M., to Orreo. Diesel fuel primer pump. 3,803,988, 4-16-74, Cl. 92-85.000
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Orrick, W. W., Sottile, William, and DeHart, John R., to United States Envelope Company. Envelope opening apparatus. 3,797,350, 3-19-74, Cl. 83-418.000
Orris, Robert M. Clamp apparatus. 3,850,421, 11-26-74, Cl. 269-91.000
Orriss, William T., to I-T-E Circuit Breaker (Canada) Limited. Small circuit breaker having large contact separation. 3,849,748, 11-19-74, Cl. 335-174.000
Orro, Pavel Ivanovich. *See—*
Saksagansky, Teodor Alexandrovich; Orro, Pavel Ivanovich, Iskra, Boris Alexandrovich, Matveev, Vladimir Sergeevich, Varenik, Boris Iovich; and Kirilenko, Anatoly Ivanovich, 3,821,889
Orro, Pavel Ivanovich, and Kirilanko, Anatoly Vasilievich, deceased (by Kirilenko, Nilla Sergeevna; administrator). Thin-walled tube cold-rolling mill. 3,810,377, 5-14-74, Cl. 72-208.000
Orrvick, Richard A., and Kulbida, Ihor, to Xerox Corporation. Lamp assembly. 3,851,201, 11-26-74, Cl. 313-113.000.
Orser, Keith L., to Columbian Rope Company. Braided rope. 3,805,667, 4-23-74, Cl. 87-6.000
Orshansky, Elias, Jr., to Orshansky Transmission Corporation, mesne. Plural range transmission. 3,783,711, 1-8-74, Cl. 74-687.000
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Orsoff, Eli, to Continental Hair Products, Inc. Hair dryer nozzles. 3,837,581, 9-24-74, Cl. 239-289.000.
Orszagos Gumiipari Vallalat: *See—*
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Ort, Eldon L.; and Swyers, Stinson R., to United States of America, Navy. Pulsed signal phase lock spectral purity measuring apparatus. 3,831,088, 8-20-74, Cl. 324-77.00e.
Ort, Eldon L., to United States of America, Navy. Radar system. 3,849,781, 11-19-74, Cl. 343-18.00e.
Ort, Morris R.: *See—*
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Ort, Morris R., to Monsanto Company. Process for the polymerization of olefins. 3,784,539, 1-8-74, Cl. 260-94.90c.
Ort, Wolfgang: *See—*
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Hopfner, Clemens; and Ort, Wolfgang, 3,790,268.
Hopfner, Clemens; and Ort, Wolfgang, 3,838,833.
Lieser, Ernst; Ort, Wolfgang; Wisst, Otto; and Hopfner, Clemens, 3,852,777.
Ort, Wolfgang; and Reibl, Michael, to Eastman Kodak Company. Camera adapted for percussively ignitable flashlamps. 3,824,610, 7-16-74, Cl. 354-139.000.
Ortec, Incorporated: *See—*
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Ortel, Gerhard, to Kuper, Heinrich. Process and apparatus for positioning sheets. 3,829,345, 8-13-74, Cl. 156-393.000.
Ortel, Gerhard, to Kuper, Heinrich. Method for transversely assembling sheet strips such as veneers, strips of cardboard or the like. 3,849,222, 11-19-74, Cl. 156-148.000.
Ortelli, Aurelio, to Riva Calzoni S.p.A. Exhaust valve for internal combustion engine. 3,828,808, 8-13-74, Cl. 137-340.000.
Orth, Charles D., to Controls Company of America. Refrigeration valve. 3,810,366, 5-14-74, Cl. 62-217.000.
Orth, Charles D.; Treder, Charles F.; and Griffoul, Marcel P., to Controls Company of America. Pressure regulator valve. 3,810,488, 5-14-74, Cl. 137-489.300.
Orth, Charles D., to Controls Company of America. Refrigerating system including flow control valve. 3,817,053, 6-18-74, Cl. 62-210.000.
Orth, Charles D., to Controls Company of America. Refrigeration system incorporating temperature responsive wax element valve controlling evaporator outlet temperature. 3,822,563, 7-9-74, Cl. 62-217.000.
Orth, Dieter: *See—*
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Orth, Winfried: *See—*
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Ortheil, Hans, to Kane and Company. Liquid ammonia-caustic dye solution and dyeing therewith. 3,824,076, 7-16-74, Cl. 8-82.000.
Orthen, Erhard. Labelling devices. 3,795,356, 3-5-74, Cl. 226-58.000.
Orthman, Henry K., to Orthman Manufacturing, Inc. Seedbed and method and means for preparing same. 3,831,536, 8-27-74, Cl. 111-1.000.
Orthman Manufacturing, Inc.: *See—*
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Ortho Pharmaceutical Corporation. *See—*
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Orthuber, Richard Kaspar, to International Telephone and Telegraph Corporation. Method of laminating one or more materials with a base structure for use in a high vacuum electron tube and method of masking the ease preparatory to lamination. 3,784,379, 1-874, Cl. 96-36.200.
Orthuber, Richard Kaspar, to International Telephone and Telegraph Corporation. Image intensifier and method of making an electron multiplier therefor. 3,788,831, 1-29-74, Cl. 65-111.000
Ortigies, Howard S., Jr., to United States of America, Navy. Solid state phase controlled switch. 3,793,581, 2-19-74, Cl. 323-19.000.
Ortlieb, Alfred: *See—*
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Ortlieb, Claude, to Vergo S.A. Method for producing optical polarizing elements. 3,786,119, 1-15-74, Cl. 264-2.000.
Ortloff, Gerald D.: *See—*
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Ortner, Lorenz; Heinzelmann, Karl-Georg, Conrad, Bernd; and Dierker, Joachim, to Siemens Aktiengesellschaft. Process for making light conducting plates. 3,847,696, 11-12-74, Cl. 156-154.000.
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Orton, Criley; and Ehresman, Allen D., to United States of America, Navy. High speed angle gate. 3,786,508, 1-15-74, Cl. 343-7.00a.
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Oruzumi, Yuzi, to Goodyear Tire & Rubber Company, The. Ester interlinking agents for polyester forming processes. 3,803,099, 4-9-74, Cl. 260-75.00m.
Orvis, Gary W., to Du Pont de Nemours, E. I., and Company. Process for preparing acrylic organosol coating compositions. 3,790,523, 2-5-74, Cl. 260-30.60r.
Orvis, Gary W., to Du Pont de Nemours, E. I., and Company. Process for preparing pigmented acrylic dispersion lacquer coating compositions by using cellulose acetate butyrate resin. 3,847,847, 11-12-74, Cl. 260-17.00r
Orwoll, Edward F.: *See—*
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Orzechowski, Walter Joseph, to Western Data Products, Inc., mesne. Controllable turnstile. 3,795,075, 3-5-74, Cl. 49-46.000.
Orzel, Edward S., to Weatherhead Company, The. Brake warning switch requiring recentering pressure. 3,782,780, 1-1-74, Cl. 303-6.00c.
Osada, Chiaki: *See—*
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Watarai, Syu; Ono, Hisatake; Osada, Chiaki; Honjo, Satoru; and Tamai, Yasuo, 3,799,773.
Osada, Chiaki, Satomura, Masato; and Ono, Hisatake, to Fuji Photo Film Company, Ltd. Photosensitive compositions comprising a photosensitive polymer and a photochromic compound. 3,804,628, 4-16-74, Cl. 96-90.0pc.
Osada, Chiaki, and Murata, Masataka, to Fuji Photo Film Co., Ltd. Surface treatment for aluminum plates. 3,836,437, 9-17-74, Cl. 204-17.000.
Osada, Hisasi, and Akino, Tadaharu, to TDK Electronics Co., Ltd. Inductance coil. 3,783,417, 1-1-74, Cl. 333-70.00s.
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Osaka Cement Co., Ltd.: *See—*
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Osaka, Kazuhiro Sugae, to Showa Sargent Ltd. Pin-tumbler lock cylinder. 3,788,110, 1-29-74, Cl. 70-358.000.
Osaka Kiko Kabushiki Kaisha: *See—*
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Osamu, Samuta; Hirojoshi, Ohno; and Tauao, Nakazawa, to Victor Company of Japan, Ltd. Brushless DC motor using hall elements. 3,805,134, 4-16-74, Cl. 318-254.000.
Osanai, Akira, to Olympus Optical Co., Ltd. Motor drive devices for cameras. 3,820,148, 6-25-74, Cl. 354-295.000.
Osanai, Hiroshi: *See—*
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Osawa, Sadao; Tamai, Yasuo; and Takimoto, Masaaki, to Fuji Photo Film Co., Ltd. Process for forming dye images. 3,788,845, 1-29-74, Cl. 961-1.00r.
Osawa, Susumu: *See—*
Matsui, Kazumi; Umemori, Takashi; Toyoshima, Masahiko, Katakami, Kozo; and Osawa, Susumu, 3,855,485.
Osberghaus, Rainer; Mehren, Rainer; and Stein, Werner, to Henkel & Cie GmbH. Process for the production of α,β-unsaturated carboxylic acids. 3,822,300, 7-2-74, Cl. 260-413.000.
Osbond, John Mervyn, and Fothergill, Graham Alwyn, to Hoffmann-La Roche Inc. N-Phenylpropylene substituted tetrahydroisoquinolines. 3,812,133, 5-21-74, Cl. 260-289.00r.
Osbond, John Mervyn, and Wickens, James Charles, to Hoffmann-La Roche Inc. Chrysanthemic acid esters. 3,813,427, 5-28-74, Cl. 260-468.00h.
Osbond, John Mervyn, and Wickens, James Charles, to Hoffmann-La Roche Inc. Cyclopropane carboxylic acid esters as insecticides. 3,814,805, 6-4-74, Cl. 424-306.000.
Osbond, John Mervyn; and Wickens, James Charles, to Hoffmann-La Roche Inc. Cyclopropane carboxylic acid esters. 3,857,872, 12-31-74, Cl. 260-468.00h.
Osborn, Charles W., and Milam, Paul B., Jr., to Phillips Petroleum Company. Clearer polyefins by combination of aryl carboxlic acid phthalocyanine, and quinacridone. 3,852,237, 12-3-74, Cl. 260-42.210.
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Osborn, Claiborn Lee; Sandner, Michael Ray, and Trecker, David John, to Union Carbide Corporation. Photonitrosation process using swirl-flow plasma arg radiation. 3,816,285, 6-11-74, Cl. 204-162.0xn
Osborn, Claiborn Lee, and Troue, Harden Henry, to Union Carbide Corporation. Surface curing of acrylyl or methacrylyl compounds using radiation of 2,537 angstroms. 3,840,448, 10-8-74, Cl. 204-159.140
Osborn, Dale B., and Hill, William R., to GTE Sylvania Incorporated. Adjustable mirror mount. 3,814,507, 6-4-74, Cl. 350-285.000.
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Osborn, Robert A.; St. Cyr, David R.; and Bullard, Herbert L., to Goodyear Tire & Rubber Company, The. Hydrocarbon-derived resin. 3,784,530, 1-8-74, Cl. 260-80.700
Osborn, Robert O., and Boyle, Donn G., to Boyle and Osborn a Partnership of N.Y. Irrigation system. 3,830,067, 8-20-74, Cl. 61-12.000.
Osborn, William, and Carter, Bob, to Tocom, Inc. Data sampling communication system. 3,794,922, 2-26-74, Cl. 325-53.000.
Osborn, William, to Tocom, Inc. Communications system 3,803,491, 4-9-74, Cl. 325-53.000.
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Wootton, Derek Sidney; and Osborne, Colin Sidney, 3,830,956.
Osborne, David E.; and Knoerle, Harold M. Self-propelling vehicle. 3,831,977, 8-27-74, Cl. 280-229.000.
Osborne, Duncan William, to Automotive Products Company, Limited. Braking systems for vehicles. 3,832,017, 8-27-74, Cl. 303-68.000.
Osborne, Edward L., to Westvaco Corporation. Loin and butt box. 3,854,651, 12-17-74, Cl. 229-34.00r.
Osborne, Harris Dean: *See—*
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Osborne, Michael Bryon, and Birch, Allan James, to Kingston Conveyors Limited. Worm conveyors. 3,791,508, 2-12-74, Cl. 198-34.00a.
Osborne, Paul Wray, to Bell Telephone Laboratories, Incorporated. Analog-to-digital converter with adaptive feedback. 3,842,415, 10-15-74, Cl. 340-347.0ad.
Osborne, Philip S., to Oklahoma Publishing Company, The. Process for the manufacture of charcoal. 3,841,974, 10-15-74, Cl. 201-2.500.
Osborne, Thomas E., to Hewlett-Packard Company. Calculator with provision for efficiently manipulating factors and terms. 3,825,736, 7-23-74, Cl. 235-168.000
Osborne, Thomas Lawrence, to Bell Telephone Laboratories, Incorporated. Time-division multiplex framing circuit. 3,792,201, 2-12-74, Cl. 179-15.0bs.
Osborne, William C., to Goulds Pumps, Incorporated. Axial thrust limiting device. 3,801,215, 4-2-74, Cl. 415-131.000.
Osbourne, Glen R., to Burlington-Cornwall Industries Incorporated. Exercise machine. 3,797,824, 3-19-74, Cl. 272-57.00j.
Osburn, John G; and Schachte, John J., to Kearney & Trecker Corporation. Workpiece changer mechanism for a machine tool 3,825,245, 7-23-74, Cl. 269-30.000.
Osburn, Michael R.: *See—*
Parker, Leland L.; Jones, Jerry O.; and Osburn, Michael R., 3,855,932.
Oscar, Joseph. Tile and manufacturing process therefor. 3,835,609, 9-17-74, Cl. 52-478.000.
Oscar Mayer & Co., Inc.: *See—*
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Osder, Stephen S., to Sperry Rand Corporation. Monitor for the elastic mode stabilizing channels of an automatic flight control system. 3,857,535, 12-31-74, Cl. 244-77.00m.
Osenberger, Werner. *See—*
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Oseroff, Herbert B.; and Sparks, William J. Hand grips. 3,848,480, 11-19-74, Cl. 74-558.500
Oseroff, Israel; and Yallum, Rocco M. Apparatus for pulverizing and incinerating household waste. 3,791,318, 2-12-74, Cl. 110-8.00r.
OSF Industries, Limited. *See—*
Sobel, Sydney Murray, 3,788,378.
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O'Shea, Francis X., to Uniroyal, Inc. Graft copolymerization of alpha-monoolefin copolymer rubbers to make gum plastics. 3,819,765, 6-25-74, Cl. 260-878.00r.
O'Shea, Robert P.: *See—*
Watmough, Thomas; and O'Shea, Robert P., 3,785,804.
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O'Shea, Ronald J.; Haase, Bernd W.; and Hawkins, Albert W., to Union Carbide Corporation. Packaging machine. 3,796,428, 3-12-74, Cl. 271-210.000
O'Shea, Ronald J.; Haase, Bernd W.; and Hawkins, Albert W., to Union Carbide Corporation. Packaging machine. 3,805,482, 4-23-74, Cl. 53-120.000.
Osheroff, Gene W., to Fluidtech Corporation. Induction terminal unit for air-conditioning system. 3,799,246, 3-26-74, Cl. 165-35.000.
Osheroff, Gene W., to Fluidtech Corporation. Fluidically-controlled air-conditioning system. 3,840,177, 10-8-74, Cl. 236-49.000.
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Osheroff, Gene W., to Fluidtech Corporation. Induction terminal unit for air-conditioning systems. 3,853,173, 12-10-74, Cl. 165-35.000.
Oshida, Yoshitada. *See—*
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Orsoff, Eli, to Continental Hair Products, Inc. Hair dryer nozzles. 3,837,581, 9-24-74, Cl. 239-289.000.

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Ort, Eldon L.; and Swyers, Stinson R., to United States of America, Navy. Pulsed signal phase lock spectral purity measuring apparatus. 3,831,088, 8-20-74, Cl. 324-77.00e.

Ort, Eldon L., to United States of America, Navy. Radar system. 3,849,781, 11-19-74, Cl. 343-18.00e.

Ort, Morris R.: *See—*
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Ort, Wolfgang; and Reibl, Michael, to Eastman Kodak Company. Camera adapted for percussively ignitable flashlamps. 3,824,610, 7-16-74, Cl. 354-139.000.

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Ortel, Gerhard, to Kuper, Heinrich. Process and apparatus for positioning sheets. 3,829,345, 8-13-74, Cl. 156-393.000.

Ortel, Gerhard, to Kuper, Heinrich. Method for transversely assembling sheet strips such as veneers, strips of cardboard or the like. 3,849,222, 11-19-74, Cl. 156-148.000.

Ortelli, Aurelio, to Riva Calzoni S.p.A. Exhaust valve for internal combustion engine. 3,828,808, 8-13-74, Cl. 137-340.000.

Orth, Charles D., to Controls Company of America. Refrigeration valve. 3,810,366, 5-14-74, Cl. 62-217.000.

Orth, Charles D.; Treder, Charles F.; and Griffoul, Marcel P., to Controls Company of America. Pressure regulator valve. 3,810,488, 5-14-74, Cl. 137-489.300.

Orth, Charles D., to Controls Company of America. Refrigerating system including flow control valve. 3,817,053, 6-18-74, Cl. 62-210.000.

Orth, Charles D., to Controls Company of America. Refrigeration system incorporating temperature responsive wax element valve controlling evaporator outlet temperature. 3,822,563, 7-9-74, Cl. 62-217.000.

Orth, Dieter: *See—*
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Ortheil, Hans, to Kane and Company. Liquid ammonia-caustic dye solution and dyeing therewith. 3,824,076, 7-16-74, Cl. 8-82.000.

Orthen, Erhard. Labelling devices. 3,795,356, 3-5-74, Cl. 226-58.000.

Orthman, Henry K., to Orthman Manufacturing, Inc. Seedbed and method and means for preparing same. 3,831,536, 8-27-74, Cl. 111-1.000.

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Orthuber, Richard Kaspar, to International Telephone and Telegraph Corporation. Method of laminating one or more materials with a base structure for use in a high vacuum electron tube and method of masking the ease preparatory to lamination. 3,784,379, 1-874, Cl. 96-36.200.

Orthuber, Richard Kaspar, to International Telephone and Telegraph Corporation. Image intensifier and method of making an electron multiplier therefor. 3,788,831, 1-29-74, Cl. 65-111.000.

Ortigies, Howard S., Jr., to United States of America, Navy. Solid state phase controlled switch. 3,793,581, 2-19-74, Cl. 323-19.000.

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Ortolon, Arthur P., Jr.: *See—*
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Orton, Hal L.; Vanausdal, George Duane; and Rowley, Robert A. Device for pulling arrowheads from implanatation in solid objects 3,826,471, 7-30-74, Cl. 254-131.000.

Oruzumi, Yuzi, to Goodyear Tire & Rubber Company, The. Ester interlinking agents for polyester forming processes. 3,803,099, 4-9-74, Cl. 260-75.00m.

Orvis, Gary W., to Du Pont de Nemours, E. I., and Company. Process for preparing acrylic organosol coating compositions 3,790,523, 2-5-74, Cl. 260-30.60r.

Orvis, Gary W., to Du Pont de Nemours, E. I., and Company. Process for preparing pigmented acrylic dispersion lacquer coating compositions by using cellulose acetate butyrate resin. 3,847,847, 11-12-74, Cl. 260-17.00r

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Orzel, Edward S., to Weatherhead Company, The. Brake warning switch requiring reentering pressure. 3,782,780, 1-1-74, Cl. 303-6.00c.

Osada, Chiaki: *See—*
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Osada, Chiaki; Satomura, Masato, and Ono, Hisatake, to Fuji Photo Film Company, Ltd. Photosensitive compositions comprising a photosensitive polymer and a photochromic compound. 3,804,628, 4-16-74, Cl. 96-90.0pc.

Osada, Chiaki; and Murata, Masataka, to Fuji Photo Film Co., Ltd Surface treatment for aluminum plates. 3,836,437, 9-17-74, Cl 204-17.000.

Osada, Hisasi; and Akino, Tadaharu, to TDK Electronics Co., Ltd Inductance coil. 3,783,417, 1-1-74, Cl. 333-70.00s.

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Osamu, Samuta; Hirojoshi, Ohno; and Tauao, Nakazawa, to Victor Company of Japan, Ltd. Brushless DC motor using hall elements. 3,805,134, 4-16-74, Cl. 318-254.000.

Osanai, Akira, to Olympus Optical Co., Ltd. Motor drive devices for cameras. 3,820,148, 6-25-74, Cl. 354-295.000.

Osanai, Hiroshi: *See—*
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Osawa, Susumu: *See—*
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Osberghaus, Rainer; Mehren, Rainer; and Stein, Werner, to Henkel & Cie GmbH. Process for the production of α,β-unsaturated carboxylic acids. 3,822,300, 7-2-74, Cl. 260-413.000.

Osbond, John Mervyn; and Fothergill, Graham Alwyn, to Hoffmann-La Roche Inc. N-Phenylpropylene substituted tetrahydroisoquinolines. 3,812,133, 5-21-74, Cl. 260-289.00r.

Osbond, John Mervyn; and Wickens, James Charles, to Hoffmann-La Roche Inc. Chrysanthemic acid esters. 3,813,427, 5-28-74, Cl. 260-468.00h.

Osbond, John Mervyn; and Wickens, James Charles, to Hoffmann-La Roche Inc. Cyclopropane carboxylic acid esters as insecticides. 3,814,805, 6-4-74, Cl. 424-306.000.

Osbond, John Mervyn; and Wickens, James Charles, to Hoffmann-La Roche Inc. Cyclopropane carboxylic acid esters. 3,857,872, 12-31-74, Cl. 260-468.00h.

Osborn, Charles W.; and Milam, Paul B., Jr., to Phillips Petroleum Company. Clearer polyefins by combination of aryl carboxlic acid phthalocyanine, and quinacridone. 3,852,237, 12-3-74, Cl. 260-42.210.

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Osborn, Claiborn Lee; and Troue, Harden Henry, to Union Carbide Corporation. Surface curing of acrylyl or methacrylyl compounds using radiation of 2,537 angstroms. 3,840,448, 10-8-74, Cl. 204-159.140.

Osborn, Dale B.; and Hill, William R., to GTE Sylvania Incorporated. Adjustable mirror mount. 3,814,507, 6-4-74, Cl. 350-285.000.

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Osborn, Robert A.; St. Cyr, David R.; and Bullard, Herbert L., to Goodyear Tire & Rubber Company, The. Hydrocarbon-derived resin. 3,784,530, 1-8-74, Cl. 260-80.700.

Osborn, Robert O.; and Boyle, Donn G., to Boyle and Osborn a Partnership of N.Y. Irrigation system. 3,830,067, 8-20-74, Cl. 61-12.000.

Osborn, William; and Carter, Bob, to Tocom, Inc. Data sampling communication system. 3,794,922, 2-26-74, Cl. 325-53.000.

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Osborne, David E.; and Knoerle, Harold M. Self-propelling vehicle. 3,831,977, 8-27-74, Cl. 280-229.000.

Osborne, Duncan William, to Automotive Products Company, Limited. Braking systems for vehicles. 3,832,017, 8-27-74, Cl. 303-68.000.

Osborne, Edward L., to Westvaco Corporation. Loin and butt box. 3,854,651, 12-17-74, Cl. 229-34.00r.

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Osborne, Paul Wray, to Bell Telephone Laboratories, Incorporated. Analog-to-digital converter with adaptive feedback. 3,842,415, 10-15-74, Cl. 340-347.0ad.

Osborne, Philip S., to Oklahoma Publishing Company, The. Process for the manufacture of charcoal. 3,841,974, 10-15-74, Cl. 201-2.500.

Osborne, Thomas E., to Hewlett-Packard Company. Calculator with provision for efficiently manipulating factors and terms. 3,825,736, 7-23-74, Cl. 235-168.000.

Osborne, Thomas Lawrence, to Bell Telephone Laboratories, Incorporated. Time-division multiplex framing circuit. 3,792,201, 2-12-74, Cl. 179-15.0bs.

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Osbourne, Glen R., to Burlington-Cornwall Industries Incorporated. Exercise machine. 3,797,824, 3-19-74, Cl. 272-57.00j.

Osburn, John G.; and Schachte, John J., to Kearney & Trecker Corporation. Workpiece changer mechanism for a machine tool. 3,825,245, 7-23-74, Cl. 269-30.000.

Osburn, Michael R.: *See—*
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Oscar, Joseph. Tile and manufacturing process therefor. 3,835,609, 9-17-74, Cl. 52-478.000.

Oscar Mayer & Co., Inc.: *See—*
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Oscar Meyer & Co., Inc: *See—*
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Osder, Stephen S., to Sperry Rand Corporation. Monitor for the elastic mode stabilizing channels of an automatic flight control system. 3,857,535, 12-31-74, Cl. 244-77.00m.

Osenberger, Werner: *See—*
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Oseroff, Herbert B.; and Sparks, William J. Hand grips. 3,848,480, 11-19-74, Cl. 74-558.500.

Oseroff, Israel; and Yallum, Rocco M. Apparatus for pulverizing and incinerating household waste. 3,791,318, 2-12-74, Cl. 110-8.00r.

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Osgood, Edmond R.: *See—*
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O'Shea, Francis X., to Uniroyal, Inc. Graft copolymerization of alpha-monoolefin copolymer rubbers to make gum plastics. 3,819,765, 6-25-74, Cl. 260-878.00r.

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O'Shea, Ronald J.; Haase, Bernd W.; and Hawkins, Albert W., to Union Carbide Corporation. Packaging machine. 3,805,482, 4-23-74, Cl. 53-120.000.

Osheroff, Gene W., to Fluidtech Corporation. Induction terminal unit for air-conditioning system. 3,799,246, 3-26-74, Cl. 165-35.000.

Osheroff, Gene W., to Fluidtech Corporation. Fluidically-controlled air-conditioning system. 3,840,177, 10-8-74, Cl. 236-49.000.

Osheroff, Gene W., to Fluidtech Corporation. Induction terminal unit for air-conditioning systems. 3,841,392, 10-15-74, Cl. 165-22.000.

Osheroff, Gene W., to Fluidtech Corporation. Induction terminal unit for air-conditioning systems. 3,853,173, 12-10-74, Cl. 165-35.000.

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Oshida, Yoshitada, to Hitachi, Ltd. Method and apparatus for making holography memory. 3,834,787, 9-10-74, Cl. 350-3.500.
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Oshima, Akira; Tsuboshima, Kazuhiko; and Takahashi, Nobuhito, to Kohjin Co., Ltd. Process for preparing N-substituted acrylamides. 3,813,438, 5-28-74, Cl. 260-561.00n.
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Oshima, Masakazu. Rectifier circuit using MOS field effect transistor. 3,783,381, 1-1-74, Cl. 324-132.000.
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Oshima, Ryoichiro; Miyamoto, Seigo; and Kawashima, Kenichi, to Hitachi, Ltd. Compressor. 3,796,522, 3-12-74, Cl. 418-15.000.
Oshima, Shigeru, to Fuji Photo Film Co., Ltd. Camera with film cartridge. 3,846,813, 11-5-74, Cl. 354-213.000.
Oshima, Shintaro; Kobayashi, Toshihiko; and Kamibayashi, Tetsusaburo, to Kokusai Denshin Denwa Kabushiki Kaisha. Matrix memory device of high bit density. 3,789,376, 1-29-74, Cl. 340-174.0ma.
Oshima, Susumu, to Toyoda Koki Kabushiki Kaisha. Side dressing device. 3,822,689, 7-9-74, Cl. 125-11.0cd.
Oshima, Susumu; and Takahashi, Hidetoshi, to Toyoda Koki Kabushiki Kaisha. Apparatus for adjusting the position of a front cover for a grinding wheel guard. 3,835,595, 9-17-74, Cl. 51-268.000.
Oshima, Takao: *See—*
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Osi, Walter; Thomas, Klaus; Jerchel, Dietrich; and Appel, Karl-Richard, to Boehringer, C. H., Sohn. Fungicidal compositions comprising N,N-bis-((1-amindo-2,2,-trichloro)-ethyl)-piperazines. 3,786,146, 1-15-74, Cl. 424-250.000.
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Osier, James. Collapsible container. 3,833,113, 9-3-74, Cl. 206-4.000.
Osika, Thomas F., to McGill Manufacturing Company, Inc. Multiple curcuit control switch assembly with momentary action interlocking means. 3,796,844, 3-12-74, Cl. 200-5.00e.
Osika, Thomas F., to McGill Manufacturing Company, Inc. Joystick controller for multiple switch assembly. 3,814,871, 6-4-74, Cl. 200-6.00a.
Osiko, Vyacheslav Vasilievich: *See—*
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Osinsky, Ulrich; and Althausen, Ferdinand, to Maschinenfabrik Hennecke GmbH. Moulding tool for the manufacture of components of synthetic plastic material. 3,836,110, 9-17-74, Cl. 249-79.000.
Osipov, Eduard Vaganovich: *See—*
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Osman, Martin S., to Polaroid Corporation. Film transport system for photographic cassette having self-contained film processing system. 3,809,327, 5-7-74, Cl. 242-71.000.
Osmond, Desmond Wilfrid John; Smith, Norman Douglas Patrick, and Waite, Frederick Andrew, to Imperial Chemical Industries, Limited. Control of liquid dissemination. 3,846,090, 11-5-74, Cl. 44-62.000.
Osmond, Desmond Wilfrid John; Smith, Norman Douglas Patrick; and Waite, Frederick Andrew, to Imperial Chemical Industries Limited. Polymer solution. 3,846,091, 11-5-74, Cl. 44-62.000.
Osmond, Desmond Wilfried John; and Thompson, Morice William. Process for the preparation of polymer solutions. 3,808,169, 4-30-74, Cl. 260-34.200.
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Osmundsen, Norman K., to Westinghouse Electric Corporation. Shielded spark gap device. 3,789,256, 1-29-74, Cl. 313-313.000.
Osofsky, Irving B., to McDonnell Douglas Corporation. Ballistic range dust erosion apparatus. 3,817,096, 6-18-74, Cl. 73-167.000.
Osojnak, Boris M. One piece sealing ring. 3,833,114, 9-3-74, Cl. 206-53.000.
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Ost, Harvey A. Floatable suction head. 3,794,446, 2-26-74, Cl. 417-61.000.
Ost, Joachim, to Siemens Aktiengesellschaft. Method of effecting cyclic, reversible, holographic recording in a thermo-plastic material. 3,821,722, 6-28-74, Cl. 340-173.0tp.
Ost, Walter; Thomas, Klaus; and Jerchel, Dietrich, to Boehringer, C. H. Sohn. Formamide derivatives. 3,835,184, 9-10-74, Cl. 260-562.00a.
Ost, Walter; Thomas, Klaus; and Jerchel, Dietrich, to Boehringer, C. H., Sohn. 1,1,1-Trichloro-2-amido-2-piperazino-ethanes and salts thereof. 3,847,922, 11-12-74, Cl. 260-268.00r.
Osta, Francesco. Device for controlling the launching of a reel of web in an unwinder with automatic reel change. 3,825,201, 7-23-74, Cl. 242-58.100.
Ostand, Paul R.; and Guertin, Robert W., to Dover Corporation. Single point refueling nozzle. 3,790,126, 2-5-74, Cl. 251-89.500.
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Ostberg, Bengt Sven Erik, to Kamyr Aktiebolag. Method of continuous cellulose digestion and digester adapted for performing the method. 3,811,994, 5-21-74, Cl. 162-19.000.
Ostberg, Jan-Erik. Device for improving reactions between two components of a metallurgical melt. 3,792,848, 2-19-74, Cl. 266-34.00a.
Ostberg, Jan-Erik. Counter-current reaction method. 3,802,872, 4-9-74, Cl. 75-93.000.
Ostbo, John Davis Bertil. Method of manufacturing curved tube sections and the like. 3,807,009, 4-30-74, Cl. 29-157.00a.
Ostdiek, Arthur J., to United States of America, Army. Vortex linear accelerometer. 3,782,206, 1-1-74, Cl. 73-515.000.
Osteen, Mitchell M., to General Electric Company. Joint structure. 3,782,056, 1-1-74, Cl. 52-758.00f.
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Oster, Claude. Apparatus for and method of collecting and preserving cytologic samples. 3,815,580, 6-11-74, Cl. 128-2.00w.
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Oster, Felix, to Fabriques de Produits Chimiques de Thann et de Mulhouse. Process for the preparation of titanium concentrates from iron-containing titanium ores. 3,787,139, 1-22-74, Cl. 423-610.000.
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Oster, Lloyd Robert, to General Electric Company. Dynamic biasing arrangement for speed regulation. 3,790,778, 2-5-74, Cl. 246-182.00e.
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Ostergren, Dale C.; and Zabiak, Daniel M., to Dick, A. B., Company. Jet printing ink composition. 3,846,141, 11-5-74, Cl. 106-22.000.
Osterhagen, Gerhard; Krebsbach, Friedhelm; and Wissinger, Waldemar, to Dynamit Nobel Aktiengesellschaft. Apparatus for forming tube end sockets. 3,806,301, 4-23-74, Cl. 425-393.000.
Osterhaus, Joseph C., to Lilly, Eli, and Company. Powder compacting apparatus for use with a mechanism for automatically measuring and dispensing unit quantities of dry powder. 3,794,215, 2-26-74, Cl. 222-1.000.
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Osterhout, Florence. Hand tool for use in making tufted yard goods. 3,783,478, 1-8-74, Cl. 28-2.000.
Osterkorn, Charles Louis; Buck, Leo V.; Kloos, William W.; and Marino, Salvatore M., to Fedders Corporation. Heating element assembly. 3,812,322, 5-21-74, Cl. 219-532.000.
Osterloff, Kurt; and Ruhrnschopf, Georg, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. All-wheel drive for motor vehicles. 3,831,695, 8-27-74, Cl. 180-44.00r.
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Osthall, Rolf Peter, to Brio Scanditoy AB. Coupling devices for toy vehicles. 3,850,310, 11-26-74, Cl. 213-75.0tc.
Osthoff, Walter; Ebbinghaus, Rainer; and Hohensester, Otmar. Apparatus for singeing textile fabrics. 3,837,051, 9-24-74, Cl. 26-3.000.
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Ostrander, Robert F., to Ostradyne, Inc. Vehicle and engine testing apparatus. 3,803,909, 4-16-74, Cl. 73-117.000.
Ostrander, Robert K. Tearing eye doll actuated by squeezing the torso. 3,822,500, 7-9-74, Cl. 46-135.00a.
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Ostrop, Berthold; Rassmann, Christoph; and Hauschopp, Alois, to Gewerkschaft Eisenhutte Westfalia. Planer mining installation. 3,785,704, 1-15-74, Cl. 299-34.000.
Ostrop, Berthold; Harhoff, Karl; Rassmann, Christoph; and Hermann, Martin, to Gewerkschaft Eisenhutte Westfalia. Longwall winning machine having pivoted cutter. 3,804,465, 4-16-74, Cl 299-34.000.
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Ostrow, Barnet D., and Nobel, Fred I., to Lea-Ronal, Inc. Electrodeposition of copper. 3,798,138, 3-19-74, Cl. 204-52.00r.
Ostrowski, David; and Polanyi, Michael L., to American Optical Corporation. Fiber optic catheter. 3,807,390, 4-30-74, Cl. 128-2.05r.
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Ostrowski, Piotr, to Girling Limited. Plural self-energizing spreading disc brake assembly. 3,823,798, 7-16-74, Cl. 188-71.400.
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Ostrowsky, Efrem M., to Federal Tool & Plastics; a division of VCA Corporation. Plastic dispensing nozzle with pouring spout with removable seal, 3,788,549, 1-29-74, Cl. 239-309.000.
Ostrowsky, Efrem M., to Federal Tool & Plastics, a Division of VCA Corporation. Safety closure unit, 3,853,236, 12-10-74, Cl. 215-220.000.
Ostrozynski, Robert Leopold, to Union Carbide Corporation. Process for preparing silicon peroxide compounds, 3,843,703, 10-22-74, Cl. 260-448.20e.
Ostuni, Joseph J.; and Vincent, Floyd O., to Magnavox Company, The. Method and apparatus for converting electrical signals, 3,801,915, 4-2-74, Cl. 325-453.000.
Ostwald, Richard, to Smith, Gordon, & Co., Inc. Air compressors, 3,806,279, 4-23-74, Cl. 417-12.000.
Ostwald, Richard, to Smith, Gordon, & Co., Inc. Seal assembly for air compressor valve, 3,814,546, 6-4-74, Cl. 417-298.000.
Ostwald, Richard, to Smith, Gordon, & Co., Inc. Air compressor housings, 3,815,965, 6-11-74, Cl. 312-100.000.
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O'Sullivan, Eugene Francis; Seymour-Walker, Kay John; Webb, David John Tudor; Bevan, Christopher Graham; Ross, Keith; and Works, Darnall. Apparatus for producing pressed concrete articles, 3,822,979, 7-9-74, Cl. 425-410.000.
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Oswald, Hendrikus J.; and Thiruvillakkat, Krishnan, to Allied Chemical Corporation. Melt blends of carboxylic acid terminated, low molecular weight polyamide and polyvalent metal compounds, 3,835,101, 9-10-74, Cl. 260-78.0sc.
Oswald, Jacques; and Rainsard, Yves, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Apparatus for improving the signal-to-noise ratio of a received signal, 3,784,915, 1-8-74, Cl. 325-367.000.
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Oswald, Norman Dean; and Mankey, Harry S., to Standard Manufacturing Company Incorporated. Six wheel material handling vehicle, 3,799,362, 3-26-74, Cl. 214-1.00d.
Oswald, Richard Alan; and Stark, Bernard Peter, to Ciba-Geigy Limited. Sulphur-containing epoxides, 3,824,259, 7-16-74, Cl. 260-348.00r.
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Oswin, Harry G.; and Blurton, Keith F., to Energetics Science, Inc. Gas detecting and quantitative measuring device, 3,824,168, 7-16-74, Cl. 204-195.00r.
Oswitch, Stanley; and Kipp, Kevin K., to Ferro Corporation. Prefabricated gel coats, 3,812,074, 5-21-74, Cl. 260-31.870.
Oswitch, Stanley; and Kipp, Kevin K., to Ferro Corporation. Prefabricated gel coats, 3,848,045, 11-12-74, Cl. 264-255.000.
Oszlanyi, Anial G.; and Zielinski, Richard J., to SCM Corporation. Polyoxyalkylene derivatives of polyglycerol esters as dough conditioners, 3,784,709, 1-8-74, Cl. 99-91.000.
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Ota, Hiroshi, to Toyoda Koki Kabushiki Kaisha. Dressing device, 3,841,296, 10-15-74, Cl. 125-11.0ph.
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Ota, Keiichi. Low nickel high-strength silicon steel, 3,839,100, 10-1-74, Cl. 148-37.000.
Ota, Kiichi. Carding engine provided with a rotary type web stripping device, 3,793,680, 2-26-74, Cl. 19-106.00r.
Ota, Kunio: *See—*
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Ota, Nobuyoshi, to Nippondenso Co., Ltd. Thermo-operation type transfer valve, 3,841,551, 10-15-74, Cl. 236-86.000.
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Ota, Sadayasu; and Miyahara, Masato, to Kabushiki Kaisha Morita Seisakusho. Apparatus for taking a continuous X-ray picture of the dental arch, 3,831,034, 8-20-74, Cl. 250-523.000.
Ota, Susumu: *See—*
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Otaki, Shigeji. Device for shaping sand molds in casting machine, 3,802,486, 4-9-74, Cl. 164-187.000.
Otani, Hiroshi; and Yukami, Noboru, to Matsushita Electric Industrial Co., Ltd. Thermal printing head, 3,814,897, 6-4-74, Cl. 219-216.000.
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Othmer, Donald F. Sewage treatment system, 3,788,476, 1-29-74, Cl. 210-194.000.
Othmer, Donald F. Method for producing aluminum metal directly from ore, 3,793,003, 2-19-74, Cl. 75-68.000.
Othmer, Donald F. Method for producing aluminum metal directly from ore, 3,853,541, 12-10-74, Cl. 75-68.00b.
Othmer, Donald F. Method for producing aluminum chloride, aluminum metal, and iron directly from ores, 3,856,508, 12-24-74, Cl. 75-29.000.
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Otis, George A.; and Gores, Kenneth W. Apparatus for facilitating application of fluids, 3,784,063, 1-8-74, Cl. 222-394.000.
Otis, George A. Trowelling tool, 3,846,060, 11-5-74, Cl. 425-458.000.
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Otrhalek, Joseph V.; and Gansser, Robert E., to BASF Wyandotte Corporation. Thickened acid cleaner, 3,793,221, 2-19-74, Cl. 252-136.000.
Otrhalek, Joseph V.; and Gansser, Robert E., to BASF Wyandotte Corporation. Method of cleaning vehicles with a thickened acid composition, 3,832,234, 8-27-74, Cl. 134-4.000.
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Otsap, Ben Amy, to Meeda Scientific Instrumentation Limited. Integrated flow indicator, 3,848,584, 11-19-74, Cl. 128-2.080.
Otsap, Ben Amy; and Neuman, Eli, to Meeda Scientific Instrumentation Limited. Peak flow indicator for fluids, 3,848,585, 11-19-74, Cl. 128-2.080.
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Otsuka, Hideo; and Inouye, Ken, to Shionogi & Co., Ltd. 1-Alkylcycloalkanol carbonates, 3,839,395, 10-1-74, Cl. 260-463.000.
Otsuka, Hideo; and Inouye, Ken, to Shionogi & Co., Ltd. 9-Loweralkyl-9-fluorenyl carbonates, 3,839,396, 10-1-74, Cl. 260-463.000.
Otsuka, Hiroaki; Manabe, Norihisa; and Konishi, Tatsuo, to Nippon Hoso Kyokai and Nippon Electric Company Limited. Magnetic recording method and apparatus using a multi-layer recording technique, 3,816,850, 6-11-74, Cl. 360-55.000.
Otsuka, Hiroaki; Manabe, Norihisa; and Konishi, Tatsuo, to Nippon Hoso Kyokai and Nippon Electric Company, Limited. Multi layer magnetic recording technique, 3,838,446, 9-24-74, Cl. 360-19.000.
Otsuka, Jiro. Cigarette butt receptacle, 3,853,263, 12-10-74, Cl. 232-43.100.
Otsuka Kagaku Yakuhin Kabushiki Kaisha: *See—*
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Otsuka, Katsuhiko, to Tokyo Gas Co., Ltd. Method for ventilation within a room, 3,802,327, 4-9-74, Cl. 98-32.000.
Otsuka, Katsumi, to New Kon Industrial Co., Ltd. Electric mark perforator, 3,825,179, 7-23-74, Cl. 234-51.000.
Otsuka, Kenichi; Nakagawa, Teruo; and Shimokawa, Yoshiyuki, to Tokyo Shibaura Electric Co., Ltd. Sequence controller, 3,806,714, 4-23-74, Cl. 235-152.000.
Otsuka, Kouichi; and Fujimi, Yukio, to Kabushiki Kaisha Daini Seikosha. Writing instrument with counter, 3,843,047, 10-22-74, Cl. 235-64.000.
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Otsuki, Susumu; Hori, Kyoichi; and Miyanohara, Isao, to Rohm & Haas Company. Stabilization of unsaturated acids by distillation with a combined polymerization inhibitor, 3,794,567, 2-26-74, Cl. 203-8.000.
Otsuki, Susumu; Hori, Kyoichi; and Miyanohara, Isao, to Rohm & Haas Company. Accelerating separation rate of two liquid phases in the extraction of aqueous acrylic acid, 3,846,488, 11-5-74, Cl. 203-15.000.
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Otsuki, Yutaka; Hara, Hajime; and Imai, Nobuo, to Nippon Oil Company, Limited. Process for the production of conjugated diene liquid polymers, 3,789,090, 1-29-74, Cl. 260-669.00p.
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Ott, Albert. Thickness measuring device for indicating the mean valve of a pre-set number of measurements of the thickness of a layer, 3,808,525, 4-30-74, Cl. 324-34.0tk.
Ott, Albert. Device for measuring the thickness of layers with a radionuclide irradiating the layer, 3,854,042, 12-10-74, Cl. 250-308.000.
Ott, Anton, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Planetary-gear transmission for automotive vehicles, 3,820,418, 6-28-74, Cl. 74-759.000.
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Ott, Hans, to Sandoz-Wander, Inc. 1-Substituted-3,4-dihydro-2(1H)-quinazolinones, 3,819,627, 6-25-74, Cl. 260-251.0qb.
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Ott, Owen J.; and Ginn, David W., to Data Interface, Inc., mesne. Electrostatic charge elimination for magnetic printing system. 3,816,799, 6-11-74, Cl. 317-2.00r.
Ott, Owen J.; Ginn, David W.; and Miller, Lester F., Jr., to Data Interface, Inc. Toner applicator for magnetic printing system. 3,825,936, 7-23-74, Cl. 346-74.0mp.
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Ottaway, Herbert J. Engine powered jumping stick. 3,855,979, 12-24-74, Cl. 123-47.00a.
Otte, Eginhart; and Jentzsch, Dietrich, to Bodenseewerk Perkin-Elmer & Co., GmbH. Punch for piercing sample capsules. 3,783,694, 1-8-74, Cl. 73-422.0ge.
Otte, Hubert Josef; and Roosman, Gosta, to Seleo Mining Corporation Limited. Bore hole logging device. 3,845,569, 11-5-74, Cl. 33-312.000.
Otte, Richard F., to Raychem Corporation. Temperature actuated connector. 3,783,429, 1-1-74, Cl. 337-393.000.
Otte, Richard F., to Raychem Corporation. Capacitive electrical connectors. 3,848,164, 11-12-74, Cl. 317-256.000.
Otteman, John H.; and Peterson, Albert M., to GO Controls Inc. Apparatus for attaching flexible material to a frame. 3,840,167, 10-8-74, Cl. 227-76.000.
Otten, Ernst W.; and Farr, Werner D., to Bruker-Physik AG. Miniature optically pumped magnetometer probe using light pipes to transmit light to the probe. 3,786,340, 1-15-74, Cl. 324-.50r.
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Pause, Kurt; Dregger, Ernst Ullrich; and Otten, Gottfried, 3,854,657.
Otten, Hans; Heinze, Helmut; and Muller, Heinz, to U.S. Philips Corporation. Automatic sorting device. 3,837,485, 9-24-74, Cl. 209-74.00r.
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Ottenstein, Sidney Allan; and Dunegan, Ronald, to M & J Valve Company and M & J Development Company. Piping system and method. 3,807,220, 4-30-74, Cl. 73-40.50r.
Ottenstein, Sidney Allan, to M & J Valve Company. System and method for locating breaks in liquid pipelines. 3,851,521, 12-3-74, Cl. 73-40.50r.
Otter, Loren H.: *See—*
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Otterlei, Jon L., Timer switch apparatus. 3,816,757, 6-11-74, Cl. 307-141.000.
Otterstedt, Jan-Erik Anders; and Pater, Richard, to Du Pont de Nemours, E. I., and Company. U.V.-absorbing ortho-hydroxyphenyl substituted bipyridines. 3,787,428, 1-22-74, Cl. 260-296.00d.
Otterstedt, Jan-Erik Anders; and Pater, Richard, to Du Pont de Nemours, E. I., and Company. U.V.-absorbing ortho-hydroxyphenyl substituted phenanthrolines. 3,812,123, 5-21-74, Cl. 260-288.00p.
Ottestad, Jack B., to Impulse Products Corporation. Control means for a fluid-powered device. 3,822,633, 7-9-74, Cl. 91-224.000.
Ottewell, Roger James; and Moring, Peter Lothar Ernst, to Dunlop Limited. Method for forming twisted filamentary material. 3,834,150, 9-10-74, Cl. 57-156.000.
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Otto, Carl L. Electrically powered submerged pump, power circuit therefor, and oceanographic monitoring apparatus and method employing same. 3,824,852, 7-23-74, Cl. 73-170.00a.
Otto, Charles W., to General Electric Company. Method of assembling a dynamoelectric machine stator. 3,807,040, 4-30-74, Cl. 29-596.000.
Otto, Charles W., to General Electric Company. Unitary end frame and bearing support member for a dynamoelectric machine. 3,820,863, 6-28-74, Cl. 308-132.000.
Otto, Charles W., to General Electric Company. Method of mounting components of a dynamoelectric machine. 3,844,024, 10-29-74, Cl. 29-471.300.
Otto, Charles W., to General Electric Company. Dynamoelectric machine. 3,858,067, 12-31-74, Cl. 310-42.000.
Otto, Dennis L., to Timken Company, The. Bearing seal assembly. 3,790,238, 2-5-74, Cl. 308-187.100.
Otto, Dennis L.; and Vito, Armando J., to Timken Company, The. Unitized thrust bearing and interlocking seal assembly therefor. 3,844,631, 10-29-74, Cl. 308-187.100.
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Otto, Noel A., to Automatic Switch Company. One-shot pilot operated valve. 3,806,081, 4-23-74, Cl. 251-22.000.
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Ozawa, Masatoshi, to Ichiko Industries, Limited. Movable room lamp device for vehicle. 3,803,400, 4-9-74, Cl. 240-61.000.

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Pace, Hubert Julian. Tire trimming and painting device. 3,832,972, 9-3-74, Cl. 118-2.000.

Pace, John W., to Tektronix, Inc. Programmable function generation. 3,839,648, 10-1-74, Cl. 307-229.000.

Pace, Michael. Centering cutting apparatus. 3,799,014, 3-26-74, Cl. 83-83.000.

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Pachmayr, Frank A., to Pachmayr Gun Works, Inc. Resilient pistol grip. 3,815,270, 6-11-74, Cl. 42-71.00p.

Pachmayr, Frank A. Direct reading gun sight adjustment. 3,826,012, 7-30-74, Cl. 33-246.000.

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Pachter, Irwin J.; Bellcau, Bernard R.; and Monkovic, Ivo, to Bristol-Myers Company. 14-Hydroxymorphinan derivatives. 3,819,635, 6-25-74, Cl. 260-285.000.

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Paddison, Denys Ian, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for the Environment in Her Britannic Majesty's Government of the. Vehicle control apparatus. 3,790,779, 2-5-74, Cl. 246-182.00c.
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Pader, Morton; and Richberg, Carl G., to Lever Brothers Company. Enzymatic denture cleanser. 3,855,142, 12-17-74, Cl. 252-135.000.
Padgett, Clifford A.; and Slade, Lester C., to Raymond International, Inc. Lining machine. 3,810,441, 5-14-74, Cl. 118-105.000.
Padgett, Richard A., to GTE Automatic Electric Laboratories, Incorporated. Arrangement for providing priority override of billing buffer entry selector. 3,812,293, 5-21-74, Cl. 179-7.00r.
Padgett, Richard A., to GTE Automatic Electric Laboratories, Incorporated. Trunk timer with exact time feature. 3,821,718, 6-28-74, Cl. 340-173.00r.
Padgett, Richard A., to GTE Automatic Electric Laboratories, Incorporated. Arrangement for assembling an initial entry in a billing buffer. 3,828,135, 8-6-74, Cl. 179-7.00r.
Padgitt, Kenneth W.; and Wade, Donald H., to Borg-Warner Corporation. Method and apparatus for obtaining accurate readout of breath testers. 3,842,345, 10-15-74, Cl. 324-71.00r.
Padilla, Benjamin A. Conveyor system. 3,809,211, 5-7-74, Cl. 198-192.00r.
Padilla, Salvador A.; and Curtis, Richard A. Capsule making apparatus. 3,794,453, 2-26-74, Cl. 425-270.000.
Padjen, George; and Brugger, Joseph A., to Bethlehem Steel Corporation. Apparatus for quenching molten coatings. 3,853,306, 12-10-74, Cl. 266-3.00r.
Padmanathan, Thurairajah, to American Cyanamid Company. 1,3,2-Oxazaborinides and method for preparing the same. 3,793,337, 2-19-74, Cl. 260-309.000.
Padovani, Piero; and Boerio, Sergio, to Pyronics, Inc. Infra-red burner. 3,790,333, 2-5-74, Cl. 431-266.000.
Padovani, Pietro, to O.M.V. S.p.A. Container having an open top surrounded by a lip. 3,825,166, 7-23-74, Cl. 229-1.50b.
Padovano, Felix, to LP Industria Chimica per l'Anedamento S.p.A. Adjustable mounting assemblies for groups of seats in aircraft or other vehicles. 3,785,600, 1-15-74, Cl. 248-188.100.
Padula, Arthur H.; Meyer, William G.; and Hollowell, John V., to American National Housing Corporation. Housing package designed to be conveyed by one vehicle. 3,835,600, 9-17-74, Cl. 52-67.000.
Paelian, Owen; Rister, Donald R.; and Kellar, Richard L., to Toroid Corporation. Force sensing transducer. 3,788,133, 1-29-74, Cl. 73-141.00a.
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Paffen, Maria Magdalena Mathilda; Appels, Johannes Arnoldus; and Verkuijlen, Wilhelmus Henricus Cornelis Gerardus, to U.S. Philips Corporation. Method of manufacturing a semiconductor device and semiconductor device manufacture by using such a method. 3,78,047, 1-1-74, Cl. 148-187.000.
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Pagani, Giorgio, to Snam Progetti, S.p.A. Process for the production of a reducing gas for blast furnace. 3,813,229, 5-28-74, Cl. 48-196.00r.
Pagano, Joseph F., to Smithkline Corporation. Complexes of phosphonilic acid and 9-amino-3-nitroacridine useful as antifungal or antibacterial agents. 3,794,723, 2-26-74, Cl. 424-200.000.
Pagano, Ralph R. Form fitting coat construction. 3,812,540, 5-28-74, Cl. 2-93.000.
Pagdin, Brian Colin, to GKN Transmissions Limited. Fuel injection apparatus for internal combustion engines. 3,791,589, 2-12-74, Cl. 239-453.000.
Pagdin, Brian Colin, to GKN Transmissions Limited. Braking systems. 3,822,922, 7-9-74, Cl. 303-24.00a.
Pagdin, Brian Colin, to GKN Transmissions Limited. Fuel injection apparatus for internal combustion engines. 3,839,998, 10-8-74, Cl. 123-32.0sw.
Pagdin, Brian Colin, to GKN Transmissions Limited. Transmission overheating engine shutdown control for self propelled vehicles. 3,851,723, 12-3-74, Cl. 180-103.000.
Pagdin, Brian Colin, to GKN Transmissions Limited. Braking systems. 3,851,928, 12-3-74, Cl. 303-21.9cg.
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Page, Michael E. Frozen water containers with liquid dispenser for camping. 3,782,602, 1-1-74, Cl. 222-143.000.
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Page, Robert M., to United States of America, Navy. Method and means for jamming radio transmission. 3,806,926, 4-23-74, Cl. 343-18.00e.
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Pagella, Elio; and Guerci, Carlo, to Olivetti, Ing., C., & C., S.p.A. Diameter gauge for machine tools. 3,781,997, 1-1-74, Cl. 33-143.001.
Pagella, Elio, to Olivetti, Ing., C., & C., S.p.A. Lubricating-oil control device for use in machines, for instance machine tools. 3,782,501, 1-1-74, Cl. 184-6.400.
Pagella, Elio; and Ollearo, Giorgio, to Olivetti, Ing., C., & C., S.p.A. Machine tool with automatic tool-change. 3,818,580, 6-25-74, Cl. 29-568.000.
Pagella, Elio; and Guerci, Carlo, to Olivetti, Ing., C., & C., S.p.A. Grinding machine. 3,818,643, 6-25-74, Cl. 51-165.800.

Pagella, Elio; and Guerci, Carlo, to Olivetti, Ing., C., & C., S.p.A. Precision measuring apparatus with guides in pneumostatic bearings. 3,831,283, 8-27-74, Cl. 33-174.00r.
Pagella, Elto; and Ollearo, Giorgio, to Olivetti, Ing., C., & C., S.p.A. Machine tool having automatic means for tool-change. 3,789,473, 2-5-74, Cl. 29-568.000.
Pages Holding S.A.: *See—*
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Pages, Michel: *See—*
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Brun, Robert; and Pages, Michel, 3,838,776.
Pages, Michel, to Societe des Usines Chimiques. Apparatus for the treatment of a liquid particularly reverse osmosis. 3,820,661, 6-28-74, Cl. 210-321.000.
Pages, Michel, to Rhone-Poulenc S.A. Support elements for tubular membranes and process for manufacturing them. 3,853,757, 12-10-74, Cl. 210-23.000.
Pages, Roland, to Schlumberger Instruments et Systemes. Logic system for the processing of data delivered by nuclear detectors. 3,787,814, 1-22-74, Cl. 340-172.500.
Paget, Win W. Compressor. 3,807,910, 4-30-74, Cl. 417-564.000.
Paget, Win W., to Hardie-Tynes Mfg., Co. Nonlubricated compressor. 3,839,946, 10-8-74, Cl. 92-153.000.
Paglia, Marius F. Conveyor trolley with camming heads. 3,827,367, 8-6-74, Cl. 104-93.000.
Paglia, Richard: *See—*
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Paglia, Richard, to Polaroid Corporation. Detachable spread roller housing section. 3,810,220, 5-7-74, Cl. 354-212.000.
Pagliari, Alberto: *See—*
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Paglione, Robert Wayne, to RCA Corporation. Encapsulated microstrip circulator with mode elimination means. 3,831,114, 8-20-74, Cl. 333-1.100.
Pagnozzi, L. Rita; Patton, James C., Jr.; and Mac Innis, Martin B., to GTE Sylvania Incorporated. Recovering rhenium values from organic extractant solutions. 3,798,305, 3-19-74, Cl. 423-49.000.
Pagnozzi, L. Rita; Kim, Tai K.; Laferty, John M.; and MacInnis, Martin B., to GTE Sylvania Incorporated. Solvent recycle process for recovery of rhenium from molybdate solutions. 3,856,915, 12-24-74, Cl. 423-49.000.
Pahk, Ung Soo. Germanium derivative. 3,812,167, 5-21-74, Cl. 260-429.00r.
Pahl, Dietrich, to NASSOUIA Werkzeugmaschinenfabrik GmbH. Device for adjusting the working gap between the work piece and tool electrodes during an electrochemical machining operation. 3,801,487, 4-2-74, Cl. 204-224.00m.
Pahl, John A. Actuator for pole-mounted switches. 3,806,679, 4-23-74, Cl. 200-82.00b.
Pahl, Karl-Heinz. Rubbing and massage apparatus. 3,844,277, 10-29-74, Cl. 128-63.000.
Pahl, Philip P.: *See—*
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Pahlas, Clark J., to Palmer, A.N., Company, The. Combination game and educational device. 3,829,088, 8-13-74, Cl. 273-1.00m.
Pahlow, Fritz H.: *See—*
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Pahr, Gustav Oskar. Projectile tethered to linked resilient flexible line. 3,814,427, 6-4-74, Cl. 273-95.00a.
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Pai, Venkatrao Krishnaraya; Hyman, Daniel; and Witheford, John Maurice, to American Cyanamid Company. Process for the production of methyl methacrylate. 3,821,286, 6-28-74, Cl. 260-486.00r.
Paice, Derek A.: *See—*
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Paige, Anthony Thomas, to Amalgamated Dental Company, Limited, The. Cartridge syringe and crimped needle assembly. 3,825,002, 7-23-74, Cl. 128-218.0da.
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Paige, James Hubert, to Logic Display Corporation. Food extruding and spreading apparatus for coating food products. 3,817,674, 6-18-74, Cl. 425-113.000.
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Paige, Walter Griffin, to Burroughs Corporation. Sealing combination for pneumatic actuator. 3,785,251, 1-15-74, Cl. 92-98.00r.
Paik, Sungik F., to United States of America, Navy. Apparatus for recharging a TR tube. 3,822,086, 7-2-74, Cl. 316-28.000.
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Pain, David Lord: *See—*
Broughton, Barbara Joyce; Large, Bryan John; Marshall, Stuart Malcolm; Pain, David Lord; and Wooldridge, Kenneth Robert Harry, 3,819,631.
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Paine, Anthony Alan, to National Research Development Corporation. Cutting apparatus. 3,826,478, 7-30-74, Cl. 266-23.00r.
Paine, David L.; Urch, Harvey M.; and Douglas, Daryl D., to Wenger Corporation. Ventilating unit for sound control room. 3,799,703, 3-26-74, Cl. 417-312.000.
Paine, Derrick, Jr.; and Paine, Thomas. Basket protective cover. 3,836,040, 9-17-74, Cl. 220-60.00r.
Paine, Ellis Howard, to Moldex, Inc. Sonic welding. 3,819,437, 6-25-74, Cl. 156-73.000.
Paine, John H.; and Kessinger, Orville E., Jr., to Caterpillar Tractor Company. Two-piece interlocked support/thrust bearings. 3,795,428, 3-5-74, Cl. 308-161.000.
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Paisley, George C.; and Tier, Fred G., to Milprint, Inc. Method of laminating packaging film. 3,784,434, 1-8-74, Cl. 156-280.000.
Paisley, John C.; and Miller, Maynard Guy, Jr., to Gray Manufacturing Company. Panel construction. 3,830,027, 8-20-74, Cl. 52-204.000.
Paiva, Manuel S., to Leesona Corporation. Bobbin lifting and orienting mechanism. 3,853,215, 12-10-74, Cl. 198-236.000.
Pak Construction AB: *See—*
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Palac, Kazimir, to Zenith Radio Corporation. Method of processing a color cathode-ray tube. 3,787,937, 1-29-74, Cl. 25-25.130.
Palachek, Charles V.; and Underhill, William K., Jr., to Textron, Inc. Rotor blade shear reinforcement. 3,813,186, 5-28-74, Cl. 416-226.000.
Paladino, Dick. Oboe fingering system and mouthpiece. 3,789,721, 2-5-74, Cl. 84-380.00a.

Paladino, Dick. Oboe fingering system and mouthpiece. 3,848,503, 11-19-74, Cl. 84-380.000.
Paladino, Dick. Oboe fingering system and mouthpiece. 3,850,071, 11-26-74, Cl. 84-380.000.
Paladino, Dick. Oboe fingering system and mouthpiece. 3,853,033, 12-10-74, Cl. 84-380.000.
Paladino, Dick. Oboe fingering system and mouthpiece. 3,854,369, 12-17-74, Cl. 84-380.000.
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Palazzetti, Mario; and Grisotto, Franco, to Fiat Societa per Azioni. Connector for sealingly interconnecting a multiple core electric cable and a printed circuit. 3,851,294, 11-26-74, Cl. 339-17.00f.
Palazzetti, Mario; and Grisotto, Franco, to Fiat Societa per Azioni. Sealed connector for insulated conductors. 3,853,385, 12-10-74, Cl. 339-96.000.
Palazzo, Giuseppe, to Aziende Chimiche Ruinite Angeline Francesco A.C.R.A.F. S.p.A. 1-[3-(4-Metachlorophenyl-1-piperazinly)-propyl]-3, 4-diethyl—Δ^2-1,2,4-triazolin-5-one. 3,857,845, 12-31-74, Cl. 260-268.0ph.
Palazzolo, Salvatore E.; and Hetrick, Richard R., to Westinghouse Electric Corporation. Bonded weather resistant decorative laminate with slightly grained acrylic surface. 3,841,956, 10-15-74, Cl. 161-248.000.
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Palecek, Vincent James, to Bunker Ramo Corporation. One piece free standing terminal. 3,829,955, 8-20-74, Cl. 29-401.000.
Palen Richard L., to Clark Equipment Company. Fitting lifting cargo containers. 3,822,077, 7-2-74, Cl. 294-67.0da.
Palena, Maximilian. Metal bonded non-skid coating and method of making same. 3,855,444, 12-17-74, Cl. 219-76.000.
Palencher, Jacques, to Lebocey Industrie. Device for the positioning of the shuttle of a loom for weaving fabric. 3,838,714, 10-1-74, Cl. 139-155.000.
Palencher, Jacques, to Societe dite: Lebocey Industries. Weft thread holding and cutting device for looms. 3,844,316, 10-29-74, Cl. 139-122.00r.
Palcologo, Teo; and Nistri, Ugo, to Societa' Italiana S.I.R. S.p.A. Process for polymerizing vinyl monomers. 3,806,556, 4-23-74, Cl. 260-880.00r.
Paleologos, Constantin. Rotating internal combustion engine. 3,820,516, 6-28-74, Cl. 123-8.470.
Paleos, Constantinos; and Poppe, Wassily, to Standard Oil Company (Indiana). Neutral bath dyeing of polyolefins with acid dyes. 3,807,951, 4-30-74, Cl. 8-180.000.
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Palermo, Blasey Thomas: *See—*
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Paley, Lewis A. Clarification and treatment of sugar juice. 3,808,050, 4-30-74, Cl. 127-55.000.
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Palfi, Thomas Laszlo; and Oliphant, James Millard, to Advanced Memory Systems Inc. Semiconductor memory with address decoding. 3,801,964, 4-2-74, Cl. 340-173.00r.
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Pall, David B., to Pall Corporation. Acoustic insulation comprising anisometric compressed and bonded multilayer knitted wire mesh composites. 3,783,969, 1-8-74, Cl. 181-33.00g.
Pall, David B., to Pall Corporation. Gas conduits with acoustic insulation comprising anisometric compressed and bonded multilayer knitted wire mesh composites. 3,795,288, 3-5-74, Cl. 181-42.000.
Pall, David B.; and Krakauer, Sidney, to Pall Corporation. End caps with peripheral grooves for tubular filter elements and process for making the same. 3,850,813, 11-26-74, Cl. 210-232.000.
Palladino, Frank A., to Palladino, N., & Bros. Apparatus and method for browning and baking pies. 3,799,736, 3-26-74, Cl. 432-124.000.
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Pallant, Jon W., to Metalphoto Corporation; a division of Horizons Research Incorporated. Method of producing colored aluminum. 3,841,891, 10-15-74, Cl. 117-8.500.
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Pallos, Ferenc M.; and Menn, Julius J., to Stauffer Chemical Company. Insecticidal active geranyl and citronyl amine derivatives and their epoxides. 3,816,502, 6-11-74, Cl. 260-455.00a.
Pallos, Ferenc M.; Lee, Hwalin; and Menn, Julius J., to Stauffer Chemical Company. Certain geranyl phenyl ethers and their epoxides and their use in controlling insects. 3,825,602, 7-23-74, Cl. 260-609.00r.
Pallos, Ferenc M., to Stauffer Chemical Company. Phosphorus-containing amidines. 3,825,632, 7-23-74, Cl. 260-944.000.
Pallos, Ferenc M., to Stauffer Chemical Company. Certain phosphorus containing amidine compounds as insecticides and acaricides. 3,826,830, 7-30-74, Cl. 424-211.000.
Pallos, Ferenc Marcus, to Stauffer Chemical Company. Esters of di-(thiocarbamoyl) ethylene as juvenile hormone mimicking agents for control of insects. 3,846,466, 11-5-74, Cl. 260-455.00a.
Pallos, Ferenc Marcus, to Stauffer Chemical Company. Certain nonterpenoid juvenile hormone mimicking compounds. 3,847,970, 11-12-74, Cl. 260-482.00p.
Palm, Bert E.; and Kennedy, Alexander W., to Diamond Shamrock Corporation. Pulverulent metal coating compositions. 3,849,141, 11-19-74, Cl. 106-1.000.
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Palm, Ernst, to Bodenseewerk Perkin-Elmer & Co., GmbH. Method and apparatus for collecting and introducing a sample into an analytical instrument. 3,797,318, 3-19-74, Cl. 73-422.0gc.
Palm, John W., to Amoco Production Company. Method for using reheat gas in sulfur recovery systems. 3,833,716, 9-3-74, Cl. 423-574.000.

Palm, Lewis J.; and Palm, Ronald B., to Fulton Boiler Works, Inc. Thermal fluid heater apparatus. 3,848,661, 11-19-74, Cl. 165-1.000.
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Palma, James D.; and Morgan, Robert E., to General Motors Corporation. Rotary engine oil metering pump. 3,794,010, 2-26-74, Cl. 123-196.00r.
Palma, James R. Method and apparatus for aiding severed nerves to join. 3,786,817, 1-22-74, Cl. 128-334.00r.
Palma, James R. Archery bow with variable bowlimb tensioning devices. 3,802,410, 4-9-74, Cl. 124-23.00r.
Palma, James R. Apparatus for aiding severed nerves to join. 3,833,002, 9-3-74, Cl. 128-334.00r.
Palma, James R. Fluid mixer. 3,854,701, 12-17-74, Cl. 259-8.000.
Palma, James R. Archery bow with bowlimb tensioning device. 3,826,239, 7-30-74, Cl. 124-23.00r.
Palma, Joseph; and Christiansen, Henning, to Lyon & Healy, Inc. Harp truck. 3,809,231, 5-7-74, Cl. 206-314.000.
Palmaer, Karl V., to KVP Company, Inc. Link configuration for distribution of transverse loads on drive and drag chain. 3,826,150, 7-30-74, Cl. 74-250.00r.
Palmason, Einar H., to Parkson Industrial Equipment Company. Method of cooking comestibles. 3,787,594, 1-22-74, Cl. 426-438.000.
Palmason, Einar H., to Parkson Industrial Equipment Company. Apparatus for cooking comestibles. 3,839,951, 10-8-74, Cl. 99-330.000.
Palmason, Einar Henry, to Johnson, A., & Co., Inc. Process for separating hydrocarbon materials. 3,852,166, 12-3-74, Cl. 208-347.000.
Palmberg, Paul W., to Physical Electronics Industries, Inc. Field termination plates for charged particle analyzers. 3,818,228, 6-18-74, Cl. 250-305.000.
Palmen, Otto, to Albrecht, W., KG. Method of manufacturing base terminals of a miniature incandescent light bulb. 3,800,377, 4-2-74, Cl. 29-25.130.
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Palmer, Donnally W. Labyrinth game with changeable pattern. 3,820,793, 6-28-74, Cl. 273-153.00r.
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Palmer, George W.: *See—*
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Palmer, Hugh C., to Kal Kan Foods, Inc. Meat coated product. 3,808,340, 4-30-74, Cl. 426-92.000.
Palmer Industries, Ltd.: *See—*
Palombella, Dominick P., 3,796,988.
Palombella, Dominick P., 3,800,269.
Palmer, J. F. Shock absorbing humper system. 3,834,483, 9-10-74, Cl. 180-91.000.
Palmer, James D. Water tank anode suspension. 3,855,102, 12-17-74, Cl. 204-196.000.
Palmer, John M.: *See—*
Demaine, David G. A.; and Palmer, John M., 3,853,387.
Palmer, Joseph; and Handfield, Guy, to Centre de Recherche Industrielle du Quebec Sanite-Foy. Processing titaniferous iron ores for the recovery of aluminum, chromium, iron, titanium and vanadium. 3,856,512, 12-24-74, Cl. 75-101.00r.
Palmer, Leon B., to Congoleum Industries, Inc. Process of making indentation recovery polyvinyl chloride surface covering by reacting the cellulosic felt backing with a cross-linking agent and product produced thereby. 3,809,534, 5-7-74, Cl. 8-115.600.
Palmer, Leon B.; and Conger, Robert P., to Congoleum Industries, Inc. Carpet embossing in register with print. 3,849,157, 11-19-74, Cl. 117-11.000.
Palmer, Leon B.; and Conger, Robert P., to Congoleum Industries, Inc. Carpet embossing in register with print. 3,849,158, 11-19-74, Cl. 117-11.000.
Palmer, Leon B.; and Conger, Robert P., to Congoleum Industries, Inc. Carpet embossing in register with print. 3,849,159, 11-19-74, Cl. 117-11.000.
Palmer, Leonard; and Flusfeder, Joseph. Machine for manufacturing disc records. 3,833,328, 9-3-74, Cl. 425-308.000.
Palmer, Lewis H., III: *See—*
Westlund, Arnold E., Jr.; Palmer, Lewis H., III; Audesse, Emery G.; and Huston, Leroy S., 3,829,729.
Palmer, Lucille Elma: *See—*
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Palmer, Myron D.: *See—*
Johnson, Claude, Jr.; and Palmer, Myron D., 3,827,908.
Palmer, Neil R.; and Karge, Joseph R., to Square D Company. Motor-driven actuating mechanism for a pivotable operating handle of an electrical control device. 3,794,943, 2-26-74, Cl. 335-69.000.
Palmer, Nigel Innes; Sugarman, Nathan; and Grammer, Don O'Neil, to Grace, W. R., & Company. Battery separator manufacturing process. 3,847,676, 11-12-74, Cl. 136-148.000.
Palmer, Oskar. Method for production of concrete reinforcement lattice mats. 3,815,218, 6-11-74, Cl. 29-471.300.
Palmer, Osmond F.: *See—*
Huboi, Robert W.; Palmer, Osmond F.; and Waz, Edward M., 3,790,275.
Palmer, Philip R. Platform support system. 3,840,206, 10-8-74, Cl. 248-424.000.
Palmer, Reed Albert: *See—*
Faffaelli, Joseph Gino; and Palmer, Reed Albert, 3,812,324.
Palmer, Robert C., to Atlantic Richfield Company. Lubricant composition for inhibiting valve recession. 3,798,163, 3-19-74, Cl. 252-33.400.
Palmer, Robert G.: *See—*
Nesson, Israel; Palmer, Robert G.; and Faris, Edwin E., 3,797,026.
Palmer, Ronald S., to International Business Machines Corporation. Track seeking and following servo system. 3,838,457, 9-24-74, Cl. 360-78.000.
Palmer, Steven Wayne; and Palmer, Gary Ross. Signal device for water skiing. 3,786,778, 1-22-74, Cl. 116-132.000.
Palmer, Thomas W., III: *See—*
Campagna, Edward R.; Hardy, Donald F.; Palmer, Thomas W., III; Daugherty, Barney R.; and Letawa, John R., 3,856,498.
Palmer, Warren G.: *See—*
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Palmer, Wesley G., to Clayton Specialties, Inc. Cart. 3,826,512, 7-30-74, Cl. 280-43.120.
Palmer, William H.: *See—*
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Palmer-Shile Company: *See—*
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Palmeth, Torsten Birger: *See—*
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Palmgren, Jan Ragnar, to Kommanditbolaget United Stirling (Sweden) AB & Co. Pipe configuration for hot gas engine. 3,822,552, 7-9-74, Cl. 60-517.000.
Palmieri, Frederick W.; and Pettingell, John S., to Computer Equipment Corporation. Sailing computer. 3,814,910, 6-4-74, Cl. 235-150.200.
Palmieri, Joseph, to Westport International, Inc. Plural channel, single carrier FM remote control system. 3,806,939, 4-23-74, Cl. 343-225.000.
Palmieri, Joseph; and French, Douglas M., to Westport International, Inc. Plural channel FM remote control system. 3,835,454, 9-10-74, Cl. 340-171.00r.
Palmieri, Joseph Michael: *See—*
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Palmonka, Edward, to EBR Development Corporation, mesne. Bleach system. 3,846,132, 11-5-74, Cl. 96-60.00r.

Palmour, Harold H., to Armco Steel Corporation. Power fluid conditioning unit. 3,782,463, 1-1-74, Cl. 166-68.000.
Palmquist, Philip V.: *See—*
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Palombella, Dominick P., to Palmer Industries, Ltd. Wire retention terminal and transistor socket. 3,796,988, 3-12-74, Cl. 339-258.00r.
Palombella, Dominick P., to Palmer Industries, Ltd. Terminal block and connector assembly. 3,800,269, 3-26-74, Cl. 339-198.00r.
Palombo, Gaston A.: *See—*
Belson, Ross A.; and Palombo, Gaston A., 3,828,203.
Deyesso, Joseph P.; and Palombo, Gaston A., 3,789,971.
Palomo, Manuel W. Method of rendering pressurized bottle non-explosive. 3,810,343, 5-14-74, Cl. 53-37.000.
Palomo-Coll, Antonio Luis. Process for the preparation of N-acylated derivatives of 6-amino penicillanic acid. 3,786,049, 1-15-74, Cl. 260-239.100.
Palopoli, Frank: *See—*
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Palotsee, John J. Gasoline vaporizer apparatus. 3,847,128, 11-12-74, Cl. 123-141.000.
Palovits, Pal; Laar, Tiborne; and Mucsy, Endre, to Femipari Kutato Intezet. Casting apparatus with slidably mounted branch runners. 3,837,614, 9-24-74, Cl. 249-108.000.
Palsson, Jan Frederik: *See—*
Martensson, Kjell Halvard; Linde, Bjorn H Son; Palsson, Jan Frederik; and Jerre, Sven Torsten, 3,785,113.
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Palsson, Sven Gunnar; and Mickelsson, Olav Conny, to Isabergs Verkstads AB. Self-interrupting reciprocating motor. 3,786,286, 1-15-74, Cl. 310-34.000.
Paltier Corporation, The: *See—*
Skubic, Leroy F.; and Blozis, Peter P., 3,853,072.
Skubic, Leroy F.; and Blozis, Peter P., 3,855,944.
Paluch, Bernard R. Carbon dioxide absorber. 3,800,516, 4-2-74, Cl. 55-354.000.
Paluch, Edward S., to Reliable Electric Company. Rotatable terminal block. 3,831,128, 8-20-74, Cl. 339-18.00b.
Paludan, Morgan; and Waite, Richard Bruce, to Pharma-Plast (Australia) Pty. Catheter device. 3,838,691, 10-1-74, Cl. 128-275.000.
Paludetti, Antonio: *See—*
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Palumbo, Arnoldo. Resonating tethered tubular members. 3,828,468, 8-13-74, Cl. 46-191.000.
Palumbo, Julius T. Combination ladder and mudboard. 3,804,198, 4-16-74, Cl. 182-21.000.
Palumbo, Salvatore. Disassemblable hatchet. 3,845,798, 11-5-74, Cl. 145-2.00r.
Palumbo, Vincent F.; Rivers, Russell C.; and Horner, Jack G. Fishing light. 3,801,812, 4-2-74, Cl. 240-52.00r.
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Vereschagin, Leonid Fedorovich; Konyaev, Jury Sergeevich; Dovbnya, Alexandr Vasilievich; Polyakov, Evgeny Valentindvich; Novgorodov, Alexandr Stepanovich; Asan-Nuri, Abdulia Ogly; Paly, Polikarp Avidnomovich; and Gevorkov, Grigory Sergeevich, 3,785,093.
Palyi, Leslie. Dehulling rape seed. 3,821,451, 6-28-74, Cl. 426-483.000.
Pamer, Karl A., to McNeil Corporation. Fluid thrust device. 3,809,382, 5-7-74, Cl. 267-65.00a.
Pamer, Karl A., to McNeil Corporation. Air space vehicle servicing apparatus. 3,814,211, 6-4-74, Cl. 182-14.000.
Pamer, Karl A., to McNeil Corporation. Collision energy absorber. 3,819,219, 6-25-74, Cl. 293-88.000.
Pamer, Karl A., to McNeil Corporation. Material handling apparatus. 3,827,366, 8-6-74, Cl. 104-89.000.
Pamlenyi, George, to Carlson, Chesley F., Co. Exposure override control. 3,828,226, 8-6-74, Cl. 317-124.000.
Pammer, Erich, to Siemens Aktiengesellschaft. Method of producing coatings to be used as masking, passivation, contacting and doping layers on semiconductor surfaces. 3,793,068, 2-19-74, Cl. 117-201.000.
Pampinella, Albert N. Toilet article container. 3,834,782, 9-10-74, Cl. 312-248.000.
Pampus, Gottfried: *See—*
Gunther, Peter; Oberkirch, Wolfgang; Pampus, Gottfried; Haas, Friedrich; and Marwede, Gunter, 3,824,226.
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Pan, Bingham Y. K.; Carton, John R.; and Parker, Robert V., to Monsanto Company. Interbed seal for multibed reactors. 3,791,795, 2-12-74, Cl. 23-288.00r.
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Pan, Yu-Li; and Simpson, Joe R., to Bernhardt, Anthony F. and United States of America, Atomic Energy Commission. Apparatus for pumping a high pressure laser system. 3,795,874, 3-5-74, Cl. 331-94.500.
Pan-American Records (Casa Pan Americana) Inc.: *See—*
Frenkel, Marshall S., 3,784,269.
Pan-Technic, Inc.: *See—*
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Panaccione, Sergio, to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. Automatically positionable gate assembly. 3,823,510, 7-16-74, Cl. 49-247.000.
Panagross, Ahmed, to Quantum, Inc. Flapper-type check valve. 3,805,828, 4-23-74, Cl. 137-525.300.
Panagrossi, Ahmed: *See—*
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Panak, Philip F.; and Bronson, Elwin J. Machine for making holes in putting greens. 3,817,337, 6-18-74, Cl. 175-162.000.
Panaretos, Alexander Michael. Base for footwear contributing to comfortable and graceful walking. 3,835,556, 9-17-74, Cl. 36-33.000.
Panas, Walter: *See—*
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Panas, Walter, to Wheaton Industries. Universal chucking mechanism. 3,855,966, 12-24-74, Cl. 118-66.000.
Pancewicz, Arthur Christopher: *See—*
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Pancoast, Ervin M. Hydraulic multiplier vehicular system. 3,822,758, 7-9-74, Cl. 180-70.00r.
Pande, Kailash C.; and Stattel, Richard J., to Powers Chemco, Inc. Furfuryl, allyl and methylol acrylamide esters of polymeric acids. 3,795,640, 3-5-74, Cl. 260-78.500.
Pande, Kailash Chandra: *See—*
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Pande-Rolfsen, Henrik, to Thune-Euraka A/S. System for unloading oil. 3,815,329, 6-11-74, Cl. 55-163.000.
Pandjiris, Anthony K.; Frederick, Arthur I.; and Schledorn, Walter, to Pandjiris Weldment Co., The. Combined headstock, turntable, rotating driver and positoner. 3,802,277, 4-9-74, Cl. 74-16.000.
Pandjiris Weldment Co., The: *See—*
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Frederick, Arthur I., 3,839,965.
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Panek, George J.; and Dubell, Edward G., to International Telephone and Telegraph Corporation. Electrical connector with switch and latch means therefore. 3,843,853, 10-22-74, Cl. 200-51.090.
Panek, Mitchell W.: *See—*
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Panek-Finda, Helena: *See—*
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Panella Industries, Inc.: *See—*

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Panetta, Dominic J. Straight edge file holder. 3,820,209, 6-28-74, Cl. 29-80.000.
Panetta, Patrick F.: *See—*
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Panettieri, Pietro. Safety impact switch device for motor vehicles. 3,783,211, 1-1-74, Cl. 200-61.500.
Panfill, Harry, to Master Products Manufacturing Co. Stacked bellows and apparatus and method for manufacturing the same. 3,782,156, 1-1-74, Cl. 72-59.000.
Pang, Michael, to American Cyanamid Company. 6-Alkyl-3-methyl quinaldinic acids. 3,787,418, 1-22-74, Cl. 260-287.00r.
Pangalila, Frans V. A., to Flume Stabilization Systems, Inc. Semi-active roll stabilizer for small craft. 3,826,212, 7-30-74, Cl. 114-125.000.
Panhandle Eastern Pipe Line Company: *See—*
Aldag, David B., 3,853,087.
Panhard, Jean, to Societe de Constructions Mecaniques Panhard & Levasser. Armored vehicles having a cooled engine. 3,812,906, 5-28-74, Cl. 165-44.000.
Paniagua, Juan Garcia. Method of exterminating insect and animal agricultural pests from infected objects such as plants. 3,826,035, 7-30-74, Cl. 43-98.000.
Panicali, Marcello. Valve cap. 3,836,117, 9-17-74, Cl. 251-351.000.
Panicello, Joseph F.; and Friedman, Michael S., to Lockheed Aircraft Corporation. Voice warning system. 3,808,591, 4-30-74, Cl. 340-27.00r.
Panici, James. Protection system for box car doors. 3,813,119, 5-28-74, Cl. 292-122.000.
Panico, Richard, to Kenon Corporation. Apparatus for rapid curing of resinous materials. 3,782,889, 1-1-74, Cl. 432-59.000.
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Pankove, Jacques Isaac, to RCA Corporation. Electroluminescent semiconductor device capable of emitting light of three different wavelengths. 3,783,353, 1-1-74, Cl. 317-235.00r.
Pankove, Jacques Isaac, to RCA Corporation. Semiconductor light ray deflector. 3,790,853, 2-5-74, Cl. 317-235.00r.
Pankow, Horst, to Gewerkschaft Schalker Eisenhutte. Gas burner for coke oven exhaust gas. 3,849,058, 11-19-74, Cl. 431-264.000.
Pannell, Robert T. Compost processing machine. 3,856,276, 12-24-74, Cl. 259-183.000.
Pannentan, Harm Jan, to Akazona Incorporated. Novel benzocyclobutene derivatives. 3,804,898, 4-16-74, Cl. 260-564.00a.
Pannier, Karl A., Jr.; Reynolds, Gordon S.; and Sorenson, James L., to Levoy's, Inc. Placement apparatus for positioning an elongated element in a body lument. 3,786,810, 1-22-74, Cl. 128-214.400.
Panning, Martin H., to Blower Application Company. Combined shredding, compacting and incinerating apparatus. 3,815,521, 6-11-74, Cl. 110-8.00r.
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Pansky, Emil J.; and Dean, Donald G., to Whittaker Corporation. Wheel and alignment assembly. 3,857,611, 12-31-74, Cl. 301-9.0dn.
Panson, Armand J.; and Ruka, Roswell J., to Westinghouse Electric Corporation. Preparation of alkaline earth metal halophosphate phosphors. 3,843,556, 10-22-74, Cl. 252-301.60p.
Pansy, Felix Edward: *See—*
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Pantermuehl, Pontie J., and Munsch, George F., to Southern Gas Association, mesne. Torque transducer. 3,823,608, 7-16-74, Cl. 73-136.00a.
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Panther, Gyles, to Microsystems International Limited. Memory cell array with multiplexed column select lines. 3,800,299, 3-26-74, Cl. 340-173.0ff.
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Panu, Vaino Tuure Kalevi, to Oy Stromberg Ab. High voltage current transformer. 3,795,881, 3-5-74, Cl. 336-69.000.
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Panzer, Hans Peter; and McAdams, Louis Vincent, to American Cyanamid Company. Polymers containing cyclo-1,1-diallylguanidine linkages and wet strength paper having a content thereof. 3,790,537, 2-5-74, Cl. 260-80.30n.
Panzer, Hans Peter; Firth, William Charles, Jr.; Coscia, Anthony Thomas; and Palmer, Lucille Elma, to American Cyanamid Company. Novel copolymers. 3,792,027, 2-12-74, Cl. 260-73.00r.
Panzeri, Cesare, to Consiglio Nazionale delle Ricerche. Extenstometric torque meter for measuring small torques. 3,857,280, 12-31-74, Cl. 73-136.00a.
Pao, Henry C.; Donnerstein, Richard L.; and Steiner, Stephen A. High speed shift register with T-T-L compatibility. 3,851,187, 11-26-74, Cl. 307-221.00r.
Pao, John, Wang, Raymond; Takashima, Ben Tsutomu; Pon, Chuck Y.; and Kanetake, Thomas T., to Pantex Corporation. Apparatus for activating remotely located devices in response to acoustical signals. 3,836,959, 9-17-74, Cl. 340-148.000.
Pao, Yoh-Han, to Case Western Reserve University. Light controlled light beam defector. 3,790,252, 2-5-74, Cl. 350-160.00r.
Pao, Yoh-Han; and Claspy, Paul C., to Data Optics Corporation, mesne. Extremely fast gaseous stark field light modulators and Q-switched laser for the infrared wavelength region. 3,842,372, 10-15-74, Cl. 332-7.510.
Paola, Carl Ralph, to Bell Telephone Laboratories, Incorporated. Fixture for lapping and polishing semiconductor wafers. 3,842,544, 10-22-74, Cl. 51-129.000.
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Morane, Bruno; Paoletti, Charles; Merrien, Louis; Maurelli, Manlio; and Sathicq, Robert, 3,799,398.
Morane, Bruno P.; Paoletti, Charles; Maurelli, Manlio; Merrien, Louis; and Sathicq, Robert, 3,815,793.
Morane, Bruno P.; Paoletti, Charles; Maurelli, Manlio; Merrien, Louis; and Sathicq, Robert, 3,834,589.
Paoletti, Jean-Claude, to Societe de Fabrication et de Distribution de Parfumerie et Cosmetique Diparco S.A. Valve for the distribution under pressure of a liquid or paste product. 3,851,799, 12-3-74, Cl. 222-145.000.

Paoli, Stephen A. Machine for processing bone-in meat cuts. 3,851,828, 12-3-74, Cl. 241-68.000.

Paoli, Stephen A. Machine for producing high grade coarse ground lean meat. 3,857,518, 12-31-74, Cl. 241-68.000.

Paolieri, Roberto; Pitts, Todd A.; and McCloskey, James W., to Hooker Chemicals & Plastics Corporation, nesne. Purification of hydrochloric acid. 3,855,400, 12-17-74, Cl. 423-488.000.

Paolini, Alfred P.: *See*—
Munger, Fay E.; Fife, Warren E.; and Paolini, Alfred P., 3,784,259.

Paolini, Alfred P.; and Fife, Warren E., to Galion, Jeffrey, Inc. Cutting chain. 3,787,091, 1-22-74, Cl. 299-84.000.

Paolini, Frank; and Kuhnel, Alfred, to American Science & Engineering, Inc. Radiographic imaging. 3,790,785, 2-5-74, Cl. 250-363.000.

Paolini, Frank Rudolph, to Pepi Inc. X-ray diffraction apparatus. 3,852,594, 12-3-74, Cl. 250-278.000.

Paolini, Gregory F., to Bethlehem Steel Corporation. Refractory mix for patching the refractory lining in a blast furnace casting floor network. 3,826,662, 7-30-74, Cl. 106-56.000.

Paolini, Michael J.: *See*—
Kirk, Donald, Jr.; and Paolini, Michael J., 3,833,757.

Paolo, Beretta: *See*—
Gandino, Mario; and Paolo, Beretta, 3,844,794.

Paolucci, Canzio. Device for rotating the cup-holder turret of an automatic dispenser. 3,819,086, 6-25-74, Cl. 221-11.000.

Pap, Geza, to Allied Chemical Corporation. Removal of sulfur compounds from glycolic and alcoholic compounds by solvent extraction. 3,831,348, 8-27-74, Cl. 55-73.000.

Papa, Anthony Joseph; and Proops, William Robert, to Union Carbide Corporation. Cellular material produced from copolymers of cyclic vinyl ethers and cyclic acetals. 3,784,594, 1-8-74, Cl. 260-2.5am.

Papa, Anthony Joseph; and Proops, William Robert, to Union Carbide Corporation. Halo-aryl amide-ester polyols. 3,833,641, 9-3-74, Cl. 260-471.00r.

Papa, Anthony Joseph; and Proops, William Robert, to Union Carbide Corporation. Cycloaliphatic polyols. 3,833,665, 9-3-74, Cl. 260-611.00r

Papa, Anthony Joseph; and Proops, William Robert, to Union Carbide Corporation. Polycarbamates of organic polyisocyanates. 3,849,445, 11-19-74, Cl. 260-340.900.

Papa, Anthony Joseph; Proops, William Robert; and Shields, Theodore Curtis, to Union Carbide Corporation. Tetrabromo ether diol flame-retardant. 3,856,865, 12-24-74, Cl. 260-615.00r.

Papai, Imre F. Pastry shell filling apparatus. 3,851,554, 12-3-74, Cl. 83-165.000.

Papaieck, Robert J., to Cutler-Hammer, Inc. Binary coded digital frequency synthesis. 3,838,35 9-24-74, Cl. 331-39.000.

Papalos, John: *See*—
Kaplan, Harry; and Papalos, John, 3,828,084.

Papanastassiou, Zinon B.; Atkinson, Edward R.; and McRitchie, Donna D., to Little, Arthur D., Inc. Tropanyl a,a-diphenyl-a-fluoroacetate esters. 3,833,592, 9-3-74, Cl. 260-292.000.

Papantoniou, Christos: *See*—
Viout, Andre; and Papantoniou, Christos, 3,817,950.
Viqut, Andre; and Papantoniou, Christos, 3,806,317.

Paparella, Michael M.; Goldberg, Edward M.; and Ostensen, Ralph G., to Medical Products Corporation. Medical ventilation tube. 3,807,409, 4-30-74, Cl. 128-350.00r.

Papasideris, Stamos I.: *See*—
Blomstrom, Gary D.; Butler, Carl T.; Kostas, James M.; May, Czeslaw J.; Nesbit, Robert D.; and Papasideris, Stamos I., 3,800,901.

Papay, Joseph, to Electrohome Limited. Control network. 3,834,649, 9-10-74, Cl. 242-191.000.

Pape, Heinz: *See*—
Goerens, Paul; and Pape, Heinz, 3,805,072.

Pape, Heinz; and Reinmold, Heinz-Josef, to Saint-Gobain Industries. Apparatus for cutting glass. 3,797,339, 3-19-74, Cl. 83-12.000.

Pape, Jurgen: *See*—
Weimann, Klaus; Muller, Elmar; Baab, Heinz Joachim; and Pape, Jurgen, 3,794,890.

Papeleux, Paul: *See*—
Flipot, Alfred-Jean; Papeleux, Paul; and LaFontaine, Ivan, 3,836,431.

Papenmeier, Gunther; deceased (by Papenmeier, Luise, nee Mellies, widow). Method and device for the continuous production of synthetic resin messes. 3,854,702, 12-17-74, Cl. 259-8.000.

Papenmeier, Luise, nee Mellies: *See*—
Papenmeier, Gunther, 3,854,702.

Paper Converting Machine Company, Inc.: *See*—
Nystrand, Ernst Daniel; and McIntosh, Brian H., 3,814,100.
Nystrand, Ernst Daniel, 3,834,286.
Spencer, Harvey J., 3,842,568.
Spencer, Harvey J., 3,844,501.

Paper Novelty Manufacturing Co.: *See*—
Maas, Fred L., 3,856,609.

Paper-Pak Products, Inc.: *See*—
Larrable, William T., 3,821,915.

Papetti, Stelvio; and Ku, Ping L., to Foster Grant Co., Inc. Method of preventing build-up in a polymerization reactor. 3,804,924, 4-16-74, Cl. 260-880.00r.

Papiau, Guy, to Societe Anonyme D.B.A. Double master cylinder. 3,800,540, 4-2-74, Cl. 60-581.000.

Papiau, Guy, to Societe Anonyme D.B.A. Fluid pressure unbalance indicator with plural pistons. 3,825,706, 7-23-74, Cl. 200-82.00d.

Papiau, Guy, to Societe Anonyme D.E.A. Hydraulic master cylinder. 3,855,797, 12-24-74, Cl. 60-547.000.

Papillon, Bernard: *See*—
Lackme, Claude; Digonnet, Albert; Colas, Louis; Boetin, Jean; Dal Pont, Jean-Pierre; and Papillon, Bernard, 3,794,582.
Neel, Jean; and Papillon, Bernard, 3,809,535.

Papillon Etablissement: *See*—
Wolthers, Adolf Johan, 3,810,719.

Papineau, Milton D.: *See*—
Geren, Keith E.; Papineau, Milton D.; and Routh, Claude C., 3,836,951.

Papoff, Paolo; and Impedovo, Sebastiano, to Snam Progetti, S.p.A. Peristaltic pump with a plurality of continuously adjustable channels. 3,791,777, 2-12-74, Cl. 417-475.000.

Papoi, Michael S.; and Barritt, Max E., to Progressive Dynamics, Inc. Combination power converter-distribution panel unit for recreational vehicles. 3,857,044, 12-24-74, Cl. 307-9.000.

Papp, Alexander: *See*—
Everingham, Leslie, 3,794,354.

Papp, Alexander A.: *See*—
MacFarland, Charles H.; and Papp, Alexander A., 3,789,449.

Papp, Laszlo: *See*—
Kiszel, Janos; and Papp, Laszlo, 3,800,784.

Papp, Richard J.: *See*—
Mackey, E. Scudder; Papp, Richard J.; and Waring, James, 3,817,755.

Pappalardo, Romano G.; and Ahmed, Samir A., to GTE Laboratories Incorporated. Electric discharge lamp. 3,824,423, 7-16-74, Cl. 313-225.000.

Pappalardo, Romano G.; and Ahmed, Samir A., to GTE Laboratories Incorporated. Flourescent organic compound laser. 3,857,793, 12-31-74, Cl. 252-301.30r.

Pappas, Dennis Gerasimos, to Aboyne Pty. Limited. Detector device. 3,806,921, 4-23-74, Cl. 340-412.000.

Pappas, James J.; Makowski, Henry S.; and Rossi, Albert. Hydrogenated copolymers of butadiene with another conjugated diene are useful as oil additives. 3,795,615, 3-5-74, Cl. 252-59.000.

Pappas, James J.; and Rossi, Albert, to Esso Research and Engineering Company. Block copolymers of unsaturated ester and a nitrogen containing monomer as V.I. improving and dispersant additives for oils. 3,816,314, 6-11-74, Cl. 252-51.50a.

Pappas, James J.; Jacobson, Norman; and Kresge, Edward N., to Esso Research and Engineering Company. Oil and fuel compositions epoxidized terpolymer or derivative. 3,842,010, 10-15-74, Cl. 252-51.50r.

Pappas, John A.: *See*—
Cosco, Robert J.; and Pappas, John A., 3,849,690.

Pappas, John A.; and Cosco, Robert J., to GTE Sylvania Incorporated. Flash tube with reduced RF noise. 3,840,766, 10-8-74, Cl. 313-178.000.

Pappas, John A.; Cosco, Robert J.; and Kokinos, Charles C., to GTE Sylvania Incorporated. Flash tube with insulator end cap. 3,855,495, 12-17-74, Cl. 313-318.000.

Pappas, Nicholas C.: *See*—
Rochrig, Paul G.; Pappas, Nicholas C.; and Durbin, Robert E., 3,851,071.

Pappas, Peter G.; Edmisten, Walter C.; and Von Levern, Hobe Schroeder, to Standard Oil Company. Crude oils and fuel oils of improved pour point depressant and flowability properties. 3,846,092, 11-5-74, Cl. 44-62.000

Pappas, William S., to United States of America, Atomic Energy Commission. Method for monitoring an aqueous stream for the presence of fluorocarbons. 3,814,587, 6-4-74, Cl. 23-230.00m.

Pappathatos, James S., to Bechik Products, Inc. Handle construction for mattresses and the like. 3,833,950, 9-10-74, Cl. 5-345.00b.

Pappers, Rudolf; Hohberg, Georg; and John, Kurt, to Knauer GHBH & Co., KG Maschinenfabrik. Apparatus for manufacturing concrete pipes, particularly shaft rings. 3,788,793, 1-29-74, Cl. 425-432.000.

Pappo, Raphael: *See*—
Chorvat, Robert J.; and Pappo, Raphael, 3,799,931.
Collins, Paul W.; and Pappo, Raphael, 3,787,449.
Jung, Christopher J.; and Pappo, Raphael, 3,840,573.

Papsco, William G. Modular wall construction. 3,852,926, 12-10-74, Cl. 52-241.000.

Papst, Hermann; Lunde, Hans; and Wrobel, Gunter, to Papst-Motoren KG. Electromotor construction. 3,786,290, 1-15-74, Cl. 310-90.000.

Papst, Hermann Ernst. Process for the transportation of impellent gases, for example natural gas, and apparatus for carrying out the process. 3,844,507, 10-29-74, Cl. 244-30.000.

Papst, Josef; deceased (by Papst, Stephanie); and Brockmuller, Brigitte. Nonfreturn valve assembly. 3,820,561, 6-28-74, Cl. 137-512.200.

Papst, Josef; deceased (by Papst, Stephanie; and Brockmuller, Brigitte, nee Papst; sole beneficiaries), to Hoerbiger Ventilwerke Aktiengesellschaft. Disc or plate valve for piston-type compressors. 3,845,786, 11-5-74, Cl. 137-535.000.

Papst, Stephanie: *See*—
Papst, Josef; and Brockmuller, Brigitte, 3,820,561.
Papst, Josef, 3,845,786.

Papst-Motoren KG: *See*—
Burghacher, Martin, 3,814,960.
Merkle, Alfred; Schmieder, Fritz; and Heinzmann, Werner, 3,845,339.
Muller, Rolf, 3,840,761.
Papst, Hermann; Lunde, Hans; and Wrobel, Gunter, 3,786,290.

Papst-Motoren KG, Ltd., Co.: *See*—
Schlicker, Volker; and Wrobel, Gunter, 3,809,503.

Papuchon, Michel: *See*—
Jacques, Andre; Ostrowsky, Daniel; and Papuchon, Michel, 3,832,567.

Papworth, Robert L.: *See*—
Sweet, Harold J.; Papworth, Robert L.; and Grimm, John G., Jr., 3,815,738.

Papworth, Robert L. Mineral separation control system. 3,799,341, 3-26-74, Cl. 209-172.500.

Paquet, Eugene H.: *See*—
Lancaster, Paul M.; and Paquet, Eugene H., 3,848,497.

Paquet, Jean P.: *See*—
Bertrand, Yves H.; Grebert, Robert E.; and Paquet, Jean P., 3,794,535.

Paquette, James P., to Berlyn Corporation, The. Screen changer. 3,797,665, 3-19-74, Cl. 210-236.000.

Paquette, Marcel. Apparatus for forming a construction of wires. 3,807,620, 4-30-74, Cl. 228-47.000.

Paquette, Richard N.: *See*—
Winfield, Merle, 3,824,978.

Par-Way Mfg., Co.: *See*—
Doering, Beauford C., 3,825,188.
Hanson, Harold W., Jr., 3,831,861.

Parachem Corporation: *See*—
Anderson, Robert J., 3,813,466.

Paradine, Terry E., to United States Steel Corporation. Conductor roll assembly for electrolytic strip tinning. 3,839,606, 10-1-74, Cl. 191-1.00a.

Paradis, Edouard L.: *See*—
Quinn, Daniel J.; and Paradis, Edouard L., 3,855,110.

Paradis, Eugene: *See*—
Allaire, Eugene Joseph; and Paradis, Eugene, 3,827,099.
Allaire, Eugene Joseph; and Paradis, Eugene, 3,837,031.

Paradis, Maurice E.: *See*—
Holm, James P.; VanGerpen, Rolland P.; and Paradis, Maurice E., 3,797,518.

Parady, Victor G., Jr.: *See*—
Bodenheimer, Bert A.; and Parady, Victor G., Jr., 3,830,381.

Parady, Victor G., Jr., to Sea-Land Service, Inc. Livestock container. 3,824,958, 7-23-74, Cl. 119-10.000.

Paradyne Corporation: *See*—
Weathers, Luther V.; Nordling, Karl I.; and Ruffner, Ronald C., 3,826,908.

Paragamian, Vasken, to McNeil Laboratories, Inc. Process for preparing 2-oxospiro[indoline-3,4'-thiochromans]. 3,816,449, 6-11-74, Cl. 260-325.000.

Paragamian, Vasken, to McNeil Laboratories, Inc. Certain benzo thiepino-indoles and indoline-thiochromans. 3,816,455, 6-11-74, Cl. 260-326.280.

Paragamian, Vasken, to McNeil Laboratories, Inc. Process for preparing 2-oxospiro[indoline-3,4'-thiochromans]. 3,818,038, 6-18-74, Cl. 260-325.000.

Paragamian, Vasken, to McNeil Laboratories, Inc. Process for preparing 2-oxospiro[indoline-3,4'-thiochromans]. 3,818,039, 6-18-74, Cl. 260-325.000.

Paragon Gears, Incorporated: *See*—
Benson, Carl I., Jr., 3,793,900.

Paragon Wire & Cable Corporation: *See*—
Gaul, Robert G., 3,809,331.

Paraho Corporation: *See*—
Jones, John B., Jr.; and Reeves, Adam A., 3,841,992.

Parallel Data Systems: *See*—
Pori, John R., 3,786,190.
Pori, John R., 3,851,264.

Paramonoff, Elpidifor, to Standum, Inc. Safety lock for safety equipment such as hoods for can making machinery. 3,797,293, 3-19-74, Cl. 72-26.000.

Paramonoff, Elpidifor, to Standum, Inc. Feed mechanism for machinery such as metallic can body trimmers. 3,802,364, 4-9-74, Cl. 113-115.000.

Paramonoff, Elpidifor; Olsen, Frederick C.; and Labeda, Robert C., to Standum, Inc. Wiper seal for apparatus such as metallic can body formers. 3,825,270, 7-23-74, Cl. 277-15.000.

Paramonoff, Elpidifor, to Standum, Inc. Cutting mechanisms for metallic can body trimmers and the like. 3,839,933, 10-8-74, Cl. 82-61.000.

Paramore, Edwin L.; and Howe, Tom W., to Halliburton Company. Well bore cleaner construction. 3,842,906, 10-22-74, Cl. 166-172.000.

Paramount Health Equipment Corporation: *See*—
Annas, Robert F.; and Hinsberger, Vincent, 3,843,118.

Paramount Packaging Corporation: *See*—
Davis, Francis A., Jr., 3,802,308.

Paramount Southern Co.: *See*—
Stout, Roger D., 3,832,829.

Paramount Textile Machinery Co.: *See*—
Allison, Rudolph L., 3,797,354.

Paraskeva, Theophanis: *See*—
Melachrinos, Basil D., 3,836,330.

Paraskevakos Electronics & Communication, Inc.: *See*—
Paraskevakos, Theodore G., 3,812,296.
Paraskevakos, Theodoros G., 3,842,208.

Paraskevakos, Theodore G., to Paraskevakos Electronics & Communication, Inc. Apparatus for generating and transmitting digital information. 3,812,296, 5-21-74, Cl. 179-18.00b.

Paraskevakos, Theodoros G., to Paraskevakos Electronics & Communication, Inc. Sensor monitoring device. 3,842,208, 10-15-74, Cl. 179-5.00r.

Paraskevas, Dimitri; L'Hermite, Alain A.; Bernard, Georges F.; and Guinet, Jacques E., to Centre Technique des Industries Mecaniques. Photoelastic processes for examining mechanical stresses. 3,847,481, 11-12-74, Cl. 356-34.000.

Paraskos, John A.: *See*—
McKinney, Joel D.; and Paraskos, John A., 3,814,681.

Paratronic AG: *See*—
Szasz, Imre, 3,801,900.

Pare, Guy: *See*—
Denis, Jacques; and Pare, Guy, 3,843,535.

Parcell, Robert F., to Parke, Davis & Company. 4(Orthoalkylthio phenyl)piperazin-1-yl hydantoins. 3,806,510, 4-23-74, Cl. 260-268.0ph.

Parcell, Robert F. 3-(1-Piperazinylalkyl)-2,4-quinazoline-diones compounds and methods for their production. 3,819,630, 6-25-74, Cl. 260-256.50r.

Parcels, Delbert Arthur, to Keen Industries Ltd. Drilling fluid degassing. 3,831,352, 8-27-74, Cl. 55-193.000.

Parchen, Wilheim Ernst Paul: *See*—
Van Stratum, Antonius Johannes Alberta; Verest, Franciscus Johannes; and Parchen, Wilheim Ernst Paul, 3,842,309.

Pardee, Donald E. Telephone transmitter cut-off. 3,839,604, 10-1-74, Cl. 179-167.000.

Pardee, Munson H., to Hamilton Digital Controls, Inc. Control system for liquid dispensers. 3,830,402, 8-20-74, Cl. 222-2.00d.

Pardo, Domingo Terren. Dough batching machine. 3,794,234, 2-26-74, Cl. 222-218.000.

Pardo, Oscar L., to Armco Steel Corporation. Feeding organization for grinding ball making machine. 3,827,265, 8-6-74, Cl. 72-69.000.

Pardue, Von G.; and Cataldo, John B., to I-T-E Imperial Corporation. Ground fault interrupter device. 3,855,502, 12-17-74, Cl. 317-18.00d.

Parduhn, Alfred P. Signal mastarm bracket assembly. 3,854,685, 12-17-74, Cl. 248-214.000.

Pare, Robert Lee. Leaf spring pavement joint seal. 3,826,583, 7-30-74, Cl. 404-67.000.

Pare, Robert Lee. Movable traffic lane divider. 3,841,775, 10-15-74, Cl. 404-11.000.

Paredes, Alfredo E. Squelch circuit with time constant controlled by signal level. 3,805,166, 4-16-74, Cl. 325-478.000.

Paredes, Candelario; and Trozzi, Norman K., to Forney Engineering Company. Adjustable burner. 3,822,110, 7-2-74, Cl. 431-174.000.

Pareja, Ramon, to Lear Siegler, Inc. Jet agitator assembly. 3,826,474, 7-30-74, Cl. 259-4.000.

Parekh, Girish Girdhar; and Blank, Werner Josef, to American Cyanamid Company. Process for preparing a electrocoating composition. 3,798,193, 3-19-74, Cl. 260-29.4ua.

Parekh, Girish Girdhar; and Blank, Werner Josef, to American Cyanamid Company. Process for depositing a film. 3,850,734, 11-26-74, Cl. 204-181.000.

Parekh, Girish Girdhar; and Blank, Werner Josef, to American Cyanamid Company. Process for depositing a film. 3,850,735, 11-26-74, Cl. 204-181.000.

Parekh, Hemant. Book prop. 3,785,605, 1-15-74, Cl. 248-455.000.

Parekh, Kantilal G.: *See*—
Supran, Michael K.; Parekh, Kantilal G.; and Berzins, Leonids, 3,834,849.

Parel, Jean-Marie, to University of Melbourne, The. Cryogenic apparatus. 3,823,575, 7-16-74, Cl. 62-514.000.

Parent, Edgar, to Celanese Canada Limited. Yarn sensing device. 3,858,013, 12-31-74, Cl. 200-61.130.

Parent, Richard A.; and Brado, James A., to Xerox Corporation. Foron yellow as a toner colorant. 3,844,815, 10-29-74, Cl. 117-17.500.

Parent, Ronald A., and Andrews, John H. P., Jr., to Beeton, Dickinson and Company. Testing apparatus. 3,819,505, 6-25-74, Cl. 204-299.000.

Parenti, Alvin L.: *See*—
Root, Glenn M.; Root, Ronald G.; Parenti, Alvin L., and Sullivan, Arthur J., 3,825,965.

Parenti, Frank V.; Abney, Paul C.; and Spaleny, George R., to Standard Register Company, The. Production of multiple-copy business forms. 3,823,934, 7-16-74, Cl. 270-18.000.

Parenti, Frank V.; and Staneck, Robert W., to Standard Register Company, The. Burster apparatus. 3,847,318, 11-12-74, Cl. 225-100.000.

Parenti, Marcantonio: *See*—
Ambrogi, Vittorio; Logemann, Willy; Parenti, Marcantonio; and Tommasini, Raffaele, 3,819,633.
Ambrogi, Vittorio; Logemann, Willy; Parenti, Marcantonio; and Tommasini, Raffaele, 3,833,578.

Parera, Pedro Pere, Machine for drying and ironing fabrics. 3,797,141, 3-19-74, Cl. 38-11.000.

Paret, Giancarlo, to Snam Progetti, S.p.A. Process for the recovery of aromatic hydrocarbons from mixtures containing the same. 3,816,302, 6-11-74, Cl. 208-323.000.

Parfenov, Viktor Nikolaevich: *See*—
Malievsky, Alexandr Dmitrievich; Vints, Viktor Vladimirovich; Emanuel, Nikolai Markovich; and Parfenov, Viktor Nikolaevich, 3,849,499.

Parfet, A. James, to Cramer, Paul C., Company. Method of making a circuit board. 3,800,020, 3-26-74, Cl. 264-104.000.

Parfitt, Maurice; and Langley, Keith William, to Westinghouse Brake and Signal Company, Limited. Braking systems. 3,823,984, 7-16-74, Cl. 303-3.000.

Parfitt, Maurice, and Langley, Keith William, to Westinghouse Brake and Signal Company. Vehicle braking systems. 3,833,271, 9-3-74, Cl. 303-21.00a.

Parfitt, Norman Leslie Cyril, to Coal Industry (Patents) Limited. Self-adjusting brakes. 3,782,511, 1-1-74, Cl. 188-75.000.

Parfomak, Walter: *See*—
Levine, Alfred L.; and Parfomak, Walter, 3,808,531

Parfomak, Walter; Anderson, Richard John; and Levine, Alfred, to Bendix Corporation, The. Condition warning memory circuit. 3,813,665, 5-28-74, Cl. 340-248-a.

Parfums Rochas, Inc.: *See*—
Davidson, Bruce R.; and Agneta, Agustus R., 3,848,459.

Parham, Thomas Moylan, Jr., and Sansing, James Earl, Jr., to Allied Chemical Corporation. Process for incorporating micronutrients in liquid phosphatic fertilizers. 3,798,020, 3-19-74, Cl. 71-1.000.

Paridon, Leo J.; Dye, Cloyde G.; and Yarsa, Frank J., to PPG Industries, Inc. Glass manufacture. 3,798,018, 3-19-74, Cl. 65-134.000.

Pariel, Jean-Marie: *See*—
Wang, Robert; and Pariel, Jean-Marie, 3,809,525.

Parikh, Girish D.; and Willard, William C., to Western Electric Company, Incorporated. Methods of electrolytic regenerative etching and metal recovery. 3,784,455, 1-8-74, Cl. 204-130.000.

Parikh, Gokaldas C., to United States of America, Navy. Detection and titration of viruses and antibodies using latex. 3,826,613, 7-30-74, Cl. 23-230.00b.

Parikh, Mavendra: *See*—
Bolling, Fritz; Mayer, Armin; Parikh, Mavendra; and Toussaint, Friedrich, 3,823,042.

Parilla, Arthur R. Missile configurations, controls and utilization techniques. 3,806,064, 4-23-74, Cl. 244-3.220.

Pariot, Pierre: *See*—
Torek, Bernard; Vidouta, Georges; Pariot, Pierre; and Hellin, Michel, 3,795,712.

Paris American Corporation: *See*—
Keating, James L., 3,826,407.

Paris, Gerard Yvon; and Swett, Leo Ralph, to Abbott Laboratories. 1,3-Dimethyl-4,5-di(p-substituted phenyl)-6H-pyrrolo(2,3-c) pyrazoles in treating inflammation. 3,821,391, 6-28-74, Cl. 424-272.000.

Paris, Philippe Y. J.; Bougon, Pierre P. A., and Guimard, Lucien, to International Standard Electric Corporation. Simulator visualization device. 3,849,597, 11-19-74, Cl. 178-6.800.

Paris, Raymond J.: *See*—
Lipp, Richard E.; and Paris, Raymond J., 3,808,587.

Parish, Roger C.; and Trei, John E., to Smithkline Corporation. Molasses chloral feed composition for improving feed utilization of ruminants. 3,796,797, 3-12-74, Cl. 424-180.000.

Parish, Roger C.; and Trei, John E., to Smithkline Corporation. Methods and compositions for improving feed efficiency of ruminants using polypentaerythritol haloacetaldehyde hemiacetals. 3,798,330, 3-19-74, Cl. 424-342.000.

Parish, Roger C.; and Trei, John E., to Smithkline Corporation. Methods and compositions for improving feed efficiency of ruminants using haloaldehyde sulfonates and phosphonates. 3,801,710, 4-2-74, Cl. 424-222.000.

Parisi, Frank E., to Adams-Russell Co., Inc. Broadband waveguide with means for suppressing TE20 mode. 3,835,423, 9-10-74, Cl. 333-98.00m.

Parisotto, Antonio; and Nemis, James, to Original Equipment Manufacturing Limited. Track slide assembly. 3,841,717, 10-15-74, Cl. 305-25.000.

Park, Alexander C., to A & C Park Incorporated. Engine driven cart. 3,829,117, 8-13-74, Cl. 280-96.100.

Park, Chang Man, to Standard Oil Company. Separation of terephthalic from para-toluic acid from solutions thereof in water and/or acetic acid. 3,850,983, 11-26-74, Cl. 260-525.000.

Park Chemical Company: *See*—
Foreman, Robert W., 3,793,208.

Park Electrochemical Corporation: *See*—
Shuler, James F., 3,791,402.

Park, George C., to Bolton-Emerson, Inc. Apparatus for applying barrier coating substances to sheet materials. 3,854,441, 12-17-74, Cl. 118-34.000.

Park, Glenn S.: *See*—
Helpich, William A.; Park, Glenn S.; and Palmer, George W., 3,799,376.

Park, Hen Suh. Method and apparatus for automatically generating Korean character fonts. 3,852,720, 12-3-74, Cl. 340-172.500.

Park, Im Keun, to Celanese Corporation. Acrylonitrile yarn. 3,838,562, 10-1-74, Cl. 57-140.00r.

Park, Jack H.: *See*—
Allen, Joseph C.; Tate, Jack F.; and Park, Jack H., 3,837,399.
Stelzer, Roland B.; Park, Jack H.; and Runeell, Herbert A., 3,805,606.

Park, Jack H., to Texaco Inc. Method and apparatuses for transmission of data from the bottom of a drill string during drilling of a well. 3,788,136, 1-29-74, Cl. 73-151.000.

Park, Jacob J. H. Rotary machines. 3,799,126, 3-26-74, Cl. 123-8.010.

Park, Jeun-Young. Lamp. 3,793,515, 2-19-74, Cl. 240-10.00r.

Park, John N.; Steigerwald, Robert L., and Walker, Loren H., to General Electric Company. Rectifier circuits using at least one multi-winding transformer in combination with transistors connected in an inverter mode and arranged in a bridge configuration. 3,851,240, 11-26-74, Cl. 321-45.000.

Park, Joseph D.; and Choi, Sam Kwon, to Minnesota Mining and Manufacturing Company. Organo-metallic derivatives of perfluorocycloalkenes. 3,787,461, 1-22-74, Cl. 260-429.00r.

Park, Jung Kun: *See*—
Oh, Donald Sungjik; and Park, Jung Kun, 3,843,031.

Park, Kyu C.: *See*—
Berkenblit, Melvin; Cole, James N.; Herrell, Dennis J.; Light, Thomas B.; Park, Kyu C.; and Reisman, Arnold, 3,795,977.
Cole, James N.; Cuomo, Jerome J.; Laibowitz, Robert B.; and Park, Kyu C., 3,796,926.

Park, Lester D.: *See*—
Rothfuss, Robert G.; and Park, Lester D., 3,808,620.

Park, Marvin C., to Truly Magic Products, Inc. Extractor type mop. 3,806,982, 4-30-74, Cl. 15-119.00a.

Park, Richard E.: *See*—
Gathright, Jack G.; and Park, Richard E., 3,829,671.

Park, Robert H., to Fast Load Control Inc. Method of effecting fast turbine valving for improvement of power system stability. 3,848,138, 11-12-74, Cl. 290-40.000.

Park, Robert H., to Fast Load Control, Inc. Method for employment of fast turbine valving. 3,849,666, 11-19-74, Cl. 307-85.000.

Park, Vernon K., to Eastman Kodak Company. Hot melt pressure sensitive adhesives. 3,850,858, 11-26-74, Cl. 260-2.0bb.

Park, W. Dean: *See*—
Guhl, Jay R., 3,838,637.

Park, Wayne Austin; and Oswalt, Leon Marvin, to Cato Oil & Grease Co. Closures for containers. 3,809,280, 5-7-74, Cl. 220-42.00c.

Park, Yong S., to Zenith Radio Corporation. Lighthouse exposure system providing corrected radiant energy distribution. 3,838,432, 9-24-74, Cl. 354-1.000.

Park, Yong S.; and Pekosh, Raymond J., to Zenith Radio Corporation. Method for grading the screen of a color tube. 3,841,875, 10-15-74, Cl. 96-36.100.

Park, Yong Wan, to National Industrial Research Institute. Method of leaching high silica glass having 0.5-2.0% P_2O_5. 3,785,793, 1-15-74, Cl. 65-31.000.

Park-Air Corporation: *See*—
Copp, Robert M., 3,844,463.

Park-Ohio Industries, Inc.: *See*—
Armstrong, Robert G.; and Nebesar, George C., 3,854,707.
Balzer, Norbert R.; and Enk, Larry G., 3,824,367.
Budzinski, Roger R., 3,823,927.
Cachat, John F., 3,789,180.
Cachat, John F., 3,800,115.
Cachat, John F., 3,824,364.
Cachat, John F., 3,834,895.
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Lewis, John C., 3,848,107.
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Seyfried, Richard F., 3,842,234.
Snyder, James J.; and Schuckert, Frederick A., 3,821,037.

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Parke, Davis & Company: *See*—
Controulis, John; Larsen, Kenneth N.; and Wheeler, Larry M., 3,823,816.
Creger, Paul L.; and Neuklis, Winifred A., 3,847,994.
Culbertson, Townley P.; and Haskell, Theodore H., 3,784,541.
De Wald, Horace A., 3,790,576.
Elslager, Edward F.; and Worth, Donald F., 3,839,348.
Elslager, Eward F.; and Worth, Donald F., 3,850,939.
Fisher, James, 3,852,333.
French, James C.; Anderson, Lucia E.; Bunge, Richard H.; and Howells, John D., 3,795,668.
Fusari, Salvatore A.; and Loeck, Leslie M., 3,789,119.
Hirai, Michihiro; and Shimizu, Toyokazu, 3,826,666.
Holmes, Ann; and Meyer, Robert F., 3,857,891.
Kuroda, Toyoaki; and Shimizu, Toyokazu, 3,814,931.
Lockhart, Ian Moyle, 3,817,985.
Meyer, Robert F.; and Stratton, Charlotte D., 3,794,650.
Moersch, George W.; and Creger, Paul L., 3,857,884.
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Parcell, Robert F., 3,806,510.
Prout, Wesley C., 3,798,680.
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Parke, Donald P.: *See*—
Gebhardt, Richard A.; Priester, Willis M.; Muehlinski, Donald A.; King, Donald L.; Parke, Donald P.; Goldberg, Gerald M.; Scheidler, Stuart P.; and Sidlo, Richard, 3,833,904.
King, Donald L.; Goldberg, Gerald M.; Parke, Donald P.; Priester, Willis M.; and Gebhardt, Richard A., 3,831,174.

Parke, Donald P.; Priester, Willis M.; Scheidler, Stuart P.; and Goldberg, Gerald M., to Hughes Aircraft Company. Automatic PRF selection to optimize range and doppler visibility in radar tracking. 3,858,208, 12-31-74, Cl. 343-7.500.

Parke, Harry G.: *See*—
Tomsky, Harry W.; and Parke, Harry G., 3,858,087.

Parker, Alonzo L., Jr. Method and apparatus for handling live poultry. 3,796,192, 3-12-74, Cl. 119-97.00r.

Parker, Amelia Mary. Fish sealer. 3,785,008, 1-15-74, Cl. 17-70.000.

Parker, Ben H., Jr.: *See*—
Deringer, Dewitt C., 3,786,919.

Parker, Calvin E., Sr., to Bethlehem Steel Corporation. Apparatus and method for obtaining uniform coating thickness. 3,841,900, 10-15-74, Cl. 117-102.00m.

Parker, Carol. Method and apparatus for blow molding axially deformable containers. 3,819,789, 6-25-74, Cl. 264-94.000.

Parker, Charles, Company, The: *See*—
Miller, Charles J., 3,839,840.

Parker, Charles K.: *See*—
Fries, Bernard A.; and Parker, Charles K., 3,824,395.

Parker, Charles K., Jr.: *See*—
Miner, William R.; and Parker, Charles K., Jr., 3,849,318.

Parker, Charles W.: *See*—
Spector, Sidney; and Parker, Charles W., 3,822,245.

Parker, Clarence E. Interlocking modules for rapid construction of shelters and barriers. 3,820,294, 6-28-74, Cl. 52-262.000.

Parker, David L. Artificial sundial. 3,832,842, 9-3-74, Cl. 58-50.00r.

Parker, Derrick Douglas: *See*—
Hill, Joseph Henry; Walmsley, Robert Edwin; and Parker, Derrick Douglas, 3,799,632.

Parker, Dorothy C.: *See*—
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Parker, Joseph D., Hergert, Richard E.; and Eggen, Richard W., 3,853,697.

Parker, Earl R.: *See*—
Jones, Russell H.; Parker, Earl R.; and Zackay, Victory F., 3,794,532.
Pickus, Milton R.; Parker, Earl R.; and Zackay, Victor F., 3,815,224.

Parker, Earl R., and Zackey, Victor F., to United States of America, Atomic Energy Commission. High strength and high toughness alloy. 3,836,407, 9-17-74, Cl. 148-142.000.

Parker, Edward H.: *See*—
Dunnavant, William R.; Harris, Edward M.; Kurz, Philip F.; Markle, Richard A.; and Parker, Edward H., 3,799,915.

Parker, Edward H.; Harris, Edward M.; and Meador, Jim D., to Klestern Litho Plate & Supply Co. Photopolymers. 3,852,256, 12-3-74, Cl. 260-89.300.

Parker, Edward I. Electronic object comparator using inductive sensors and frequency comparison. 3,854,084, 12-10-74, Cl. 324-34.00r.

Parker, Edward T., to BASF Wyandotte Corporation. Solid defoamer for starch. 3,808,016, 4-30-74, Cl. 106-214.000.

Parker, Edward T., to BASF Wyandotte Corporation. Solid defoamer for starch. 3,834,919, 9-10-74, Cl. 106-214.000.

Parker, Ernest G.; Lucanera, Constantino; and Craine, Richard W., to International Telephone and Telegraph Corporation. Non-rotating antenna. 3,845,485, 10-29-74, Cl. 343-106.00r.

Parker, Frank S.: *See*—
Derdowski, Ronald A.; Hayner, Don S.; and Parker, Frank S., 3,816,697.

Parker, Fred Walter, to Du Pont de Nemours, E. I., and Company. Entropically stabilized water base dispersions. 3,801,524, 4-2-74, Cl. 260-29.6wb.

Parker, Gordon J. Fish trap. 3,800,464, 4-2-74, Cl. 43-100.000.

Parker, Gordon M., to PPG Industries Inc. Method of forming a flat coated surface. 3,783,004, 1-1-74, Cl. 117-93.310.

Parker, Gordon M.; Wismer, Marco; and Hahn, Ernest A., to PPG Industries, Inc. Diacryloxy esters of anhydrides and coating compositions derived therefrom. 3,785,849, 1-15-74, Cl. 117-93.310.

Parker, Gordon M., to PPG Industries, Inc. Method of applying acrylic functional carbonate ester coating to plastic substrates using high energy ionising radiation. 3,785,850, 1-15-74, Cl. 117-93.310.

Parker, Harold F., to General Electric Company. Mean square transducer. 3,822,401, 7-2-74, Cl. 324-132.000.

Parker, Henry G., to Eastman Kodak Company. Opaque photographic film support. 3,793,029, 2-19-74, Cl. 96-84.00r.

Parker, Herbert William Mansfield, to Pyrotenax Limited. Tamper proof electrical cables. 3,789,130, 1-29-74, Cl. 174-113.000.

Parker, Jack. Devices and processes for warning against impending rockfalls in underground excavation. 3,844,248, 10-29-74, Cl. 116-114.00r.

Parker, James M., and Rydin, Carl N., to Parkton Corporation. Lawn mower and auxiliary unit with control means. 3,782,085, 1-1-74, Cl. 56-11.600.

Parker, Jeffrey M.; Dawson, Edward C.; and Kramer, Anthony J., to United States of America, Air Force. Self normalizing spectrum analyzer and signal detector. 3,815,032, 6-4-74, Cl. 328-167.000.

Parker, John A.: *See*—
Riccitiello, Salvatore R.; and Parker, John A., 3,819,550.

Parker, John A.; Dimeff, John; and Heimbuch, Alvin H.; to United States of America, National Aeronautics and Space Administration. Chromato-fluorographic drug detector. 3,814,939, 6-4-74, Cl. 250-373.000.

Parker, Joseph D., to Beloit Corporation. Submerged twin wire paper former. 3,832,282, 8-27-74, Cl. 162-203.000.

Parker, Joseph D.; deceased (by Parker, Dorothy C., executrix), to Beloit Corporation. Paper machine flow channel with a flexible plate projecting into the flow stream of act as an oscillator. 3,853,694, 12-10-74, Cl. 162-216.000.

Parker, Joseph D., deceased (by Parker, Dorothy C., executrix), Hergert, Richard E., and Eggen, Richard W., to Beloit Corporation. Papermaking machine headbox with an upwardly inclined slice chamber portion, an arcuate portion, and a downwardly inclined potion and containing flexible trailing members. 3,853,697, 12-10-74, Cl. 162-343.000.

Parker, Leland L.; Jones, Jerry O.; and Osburn, Michael R., to United States of America, Navy. Expelling charge ignition system. 3,855,932, 12-24-74, Cl. 102-49.500.

Parker, Levi C.: *See*—
Miller, Kenneth D.; and Parker, Levi C., 3,853,497.
Senn, Charles A., III; and Parker, Levi C., 3,792,110.
Senn, Charles A., III; and Parker, Levi C., 3,829,524.

Parker, Louis W.: *See*—
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Parker, Marion L.: *See*—
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Parker, Melvin A. Pipe tobacco smoking system. 3,792,704, 2-19-74, Cl. 131-3.000.

Parker, Morris J., to Union Carbide Corporation. Packing rings. 3,844,572, 10-29-74, Cl. 277-27.000.

Parker, Norman W.: *See*—
Caprio, Gerald L.; and Parker, Norman W., 3,852,807.

Parker, Norman W., to Motorola, Inc. Multiplex system employing multiple quadrature subcarriers. 3,814,858, 6-4-74, Cl. 179-15.00t.

Parker, Patrick N., to Atlantic Richfield Company. Well cementing. 3,799,874, 3-26-74, Cl. 252-8.55r.

Parker, Peter Harry. *See*—
Penny, Robert Noel, Parker, Peter Harry, and Silverstone, Calvin Eric, 3,824,036.

Parker, Phillip J. Particle dispenser for accumulating for subsequent release a controlled quantity of finite magnetic particles. 3,844,451, 10-29-74, Cl. 222-193.000.

Parker, Reid T. Apparatus for package molding roofing asphalt. 3,837,778, 9-24-74, Cl. 425-256.000.

Parker, Richard G., to Goodrich, B. F., Company, The. Stabilizers for chlorine-containing polymers. 3,784,565, 1-8-74, Cl. 260-482.00r.

Parker, Richard G., to Goodrich, B. F., Company, The. Bis-(β-aminoaerylyl thiocarboxylate) of cyclic hydrocarbon alcohols. 3,810,930, 5-14-74, Cl. 260-455.00r.

Parker, Richard G., to Goodrich, B. F., Company, The. Bis-(β-aminoaerylyl)derivatives used as weat. 3,850,884, 11-26-74, Cl. 260-45.85n.

Parker, Richard J., to United States of America, National Aeronautics and Space Administration. Method of making rolling element bearings. 3,781,958, 1-1-74, Cl. 29-148.04a.

Parker, Richard J., to United States of America, National Aeronautics and Space Administration. Hollow rolling element bearings. 3,802,753, 4-9-74, Cl. 308-188.000.

Parker, Robert, to United States of America, Atomic Energy Commission. Neutron-flux responsive switch. 3,783,285, 1-1-74, Cl. 250-390.000.

Parker, Robert. Electrothermal analog temperature indicating device. 3,822,594, 7-9-74, Cl. 73-356.000.

Parker, Robert, to Parker, Robert, Research, Inc. Fin cooled temperature sensor employing liquid crystals. 3,827,301, 8-6-74, Cl. 73-356.000.

Parker, Robert, Research, Inc.: *See*—
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Parker, Robert V.: *See*—
Pan, Bingham Y. K.; Carton, John R.; and Parker, Robert V., 3,791,795.

Parker, Robert W., to Reed International Limited. Taps and valves. 3,830,464, 8-20-74, Cl. 251-269.000.

Parker, Rollin J.: *See*—
Martin, Donald L.; and Parker, Rollin J., 3,802,935.

Parker, Rollin James, to General Electric Company. Magnetic latch. 3,790,197, 2-5-74, Cl. 292-251.500.

Parker, Rollin James, to General Electric Company. Movable magnet loudspeaker. 3,798,391, 3-19-74, Cl. 179-114.00r.

Parker, Rollin James, to General Electric Company. Permanent magnet motor. 3,836,802, 9-17-74, Cl. 310-154.000.

Parker, Roy Percival: *See*—
Gore, William George; and Parker, Roy Percival, 3,783,334.

Parker, Trevor: *See*—
Caton, Michael Peter Lear; Parker, Trevor; and Watkins, Gordon Leonard, 3,845,096.

Parker, Wilbur Allen; Bordt, Guillermo German; and Larsen, Holger, to CPC International Inc. Process for improving the flavor stability of peanut butter. 3,821,448, 6-28-74, Cl. 426-397.000.

Parker, William Andrew; and Kryder, Robert A., to RCA Corporation. Automatic brightness control for image intensifier tube. 3,848,123, 11-12-74, Cl. 250-213.0vt.

Parker, William L.: *See*—
Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., 3,796,702.
Breuer, Hermann; Dolfini, Joseph Edward; Erickson, Raymond C.; and Parker, William L., 3,796,709.

Parker, William L.; and Johnson, Francis, to Dow Chemical Company, The. Alpha-methylenation of gamma-butyrolactones. 3,838,168, 9-24-74, Cl. 260-326.360.

Parker, William Lawrence: *See*—
Murao, Sawao; Meyers, Edward; and Parker, William Lawrence, 3,856,938.

Parker, Winfred E.: *See*—
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Parker-Hannifin Corporation: *See*—
Blanchard, Roger H., and Clark, Charles R., 3,851,852.
Bragg, Kenneth R., 3,788,039.
Bragg, Kenneth R.; and Kenyon, Richard L., 3,788,040.
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Chrow, Albert E., 3,805,848.
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Lansky, Zdenek J.; and Claar, Leslie M., 3,788,076.
Leibfritz, Kurt W., and Malinowski, Lester W., 3,831,953.
Malott, Thomas J.; and Stacey, Hugh J., 3,795,255.
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Parker-Jones, H. Andre: *See*—
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Parkes, Ralph C. Drum dryer. 3,797,126, 3-19-74, Cl. 34-114.000.

Parkes, Ralph C. Baking oven. 3,804,583, 4-16-74, Cl. 432-230.000.

Parkhani, Chandrakant: *See*—
Pentz, Howard L.; Parkhani, Chandrakant; and Majeron, Frank, 3,797,664.
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Parkhurst, Robert M.: *See*—
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Parkins, Eversly V.: *See*—
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Parkinson Cowan Appliances Limited: *See*—
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Parkinson, Dean B.; and Illing, Irvin A., to McCall Corporation. Composition for coating solid surfaces. 3,832,324, 8-27-74, Cl. 260-38.000.

Parkinson, Geoffrey John, to T.I. (Group Services) Limited. Gauging dimensions. 3,829,220, 8-13-74, Cl. 356-160.000.

Parkinson, Howard E.: *See*—
Conroy, George J.; and Parkinson, Howard E., 3,829,856.

Parkinson, James R. Non-contacting shaft RPM and direction of rotation measurement system. 3,787,769, 1-22-74, Cl. 324-174.000.

Parkinson, James R. Phase displacement measuring apparatus for measuring a characteristic of a system when the system is at standstill. 3,796,093, 3-12-74, Cl. 73-136.00a.

Parkinson, James R. Two sensor torque measuring apparatus with compensation for shaft misalignment. 3,824,848, 7-23-74, Cl. 73-136.00a.

Parkinson, James R. Thrust-meter utilizing a phase measurement system for thrust measurement. 3,851,525, 12-3-74, Cl. 73-140.000.

Parkinson, John; Eibich, Alfred, and Ronald, Thomas T., to Parmatic, Inc. Differential pressure indicator. 3,841,259, 10-15-74, Cl. 116-70.000.

Parkinson, Robert E., to United States Steel Corporation. Silicate-resin coating composition. 3,839,256, 10-1-74, Cl. 260-29.6wb.

Parkinson, Robert E., to United States Steel Corporation. Aqueous coating compositions of ethylene/acrylic acid copolymer and phenolic resin. 3,843,576, 10-22-74, Cl. 260-29.300.

Parkinson, Robert E., to United States Steel Corporation. Coated metal fasteners. 3,853,606, 12-10-74, Cl. 117-128.400.

Parkinson, Roger W., to Textron, Inc. Method for making a retaining ring for an antifriction bearing. 3,839,531, 10-1-74, Cl. 264-328.000.

Parkinson, William W., Jr.; Kelly, Minton J.; and Sturm, Bernard J., to United States of America, Atomic Energy Commission. Novel polystyrene product having rapid-post-irradiation decay of conductivity and process of making same. 3,835,122, 9-10-74, Cl. 26-78.50t.

Parkison, Richard G.; and Fichter, Barry S., to American Standard, Inc. Substantially leakless aerator. 3,827,636, 8-6-74, Cl. 239-428.500.

Parkison, Richard G., to American Standard Inc. Ceramic disc faucet valve. 3,834,416, 9-10-74, Cl. 137-550.000.

Parkison, Richard G.; and Fichter, Barry S., to American Standard Inc. Leak-proof laminar flow device. 3,851,825, 12-3-74, Cl. 239-590.300.

Parkison, Richard Grant, to American Standard Inc. Ceramic disk faucet. 3,810,602, 5-14-74, Cl. 251-304.000.

Parkland International Inc.: *See*—
Heath, Walter, 3,799,163.

Parkman, William T.: *See*—
Birkin, Michael S.; and Parkman, William T., 3,787,679.

Parks, Carl R., to Goodyear Tire & Rubber Company, The. Oxidation resistant polymeric compositions prepared from 3-N-(4-anilinophenyl) amino-2-hydroxypropyl methacrylate. 3,817,916, 6-18-74, Cl. 260-45.850.

Parks, Christ F.: *See*—
Eiler, Louis B., and Parks, Christ F., 3,845,004.
Eilers, Louis H.; and Parks, Christ F., 3,795,276.
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Eilers, Louis H.; and Parks, Christ F., 3,839,262.
Eilers, Louis H.; and Parks, Christ F., 3,839,263.
Eilers, Louis H., and Parks, Christ F., 3,847,858.

Parks, Howard Lee, to Bunker Ramo Corporation. Method employing precision stamping for fabricating the wafers of a multiwafer electrical circuit structure. 3,813,773, 6-4-74, Cl. 29-630.00r.

Parks, James D., to Westinghouse Learning Corporation. Air exhaust system for waste material. 3,827,320, 8-6-74, Cl. 83-100.000.

Parks, Kenneth B., to United States of America, Army. Radiation hardened flip-flop. 3,833,824, 9-3-74, Cl. 307-291.000.

Parks, Kenneth Jay, to American Can Company. Venting hot drink closure. 3,850,337, 11-26-74, Cl. 220-355.000.

Parks, William Louis; Grenoble, William Luster, Jr.; Harjes, Henry Herman, Jr.; and McCarthy, Lawrence James, to Telserve Inc. System for transmission and analysis of biomedical data. 3,810,102, 5-7-74, Cl. 340-172.500.

Parks, William N., to Hercules Incorporated. Yarn bulking jet. 3,802,036, 4-9-74, Cl. 28-1.400.

Parks-Cramer Company: *See*—
Ford, Maynard; and Lee, Charles D., Jr., 3,841,076.
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Parkson Corporation: *See*—
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Parkson Industrial Equipment Company: *See*—
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Parkton Corporation: *See*—
Parker, James M.; and Rydin, Carl N., 3,782,085.

Parkyn, John Michael, to Mareconi Instruments Limited. Frequency synchronisers. 3,801,925, 4-2-74, Cl. 331-1.00a.

Parlant, Claude: *See*—
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Parlato, Philip J., to Alarm Products International, Inc. Connector for alarm system door cord. 3,848,959, 11-19-74, Cl. 339-200.000.

Parlee Anderson Corporation: *See*—
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Parlette, Joseph N., to Love, L. S., & Associates Limited. Dissolved air clarifier. 3,820,659, 6-28-74, Cl. 210-195.000.

Parlevliet, Theodor, to Siemens Aktiengesellschaft. Pivoted, segmental, thrust bearing providing simulated offset support of centrally supported bearing segments. 3,784,266, 1-8-74, Cl. 308-160.000.

Parlier, Roger Ernest, Keylock, 3,788,111, 1-29-74, Cl. 70-364.00r.

Parliment, Thomas H.; Epstein, Martin P.; Clinton, William P.; Scarpellino, Richard; and Soukup, Robert J., to General Foods Corporation. Selected mercaptopyrazines as flavoring agents. 3,824,321, 7-16-74, Cl. 426-65.000.

Parliment, Thomas H., to General Foods Corporation. Popcorn-like flavorant and process for preparing the same. 3,840,675, 10-8-74, Cl. 426-65.000.

Parlin, David B.: *See*—
Peters, Robert L.; and Parlin, David B., 3,850,783.
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Parmenter, Richard L. Bag closure. 3,818,553, 6-25-74, Cl. 24-30.50r.

Parmenter, Robert W. Battery disconnector. 3,821,501, 6-28-74, Cl. 200-155.00r.

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Parmeson, Joseph. Activator for fishing lures. 3,789,536, 2-5-74, Cl. 43-42.050.

Parmett, George, to APL Corporation. Ice cube tray. 3,844,525, 10-29-74, Cl. 249-127.000.

Parnell, Edgar William: *See*—
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Carpenter, Keith; Heywood, Basil Jason; Parnell, Edgar William; Metivier, Jean; and Boesch, Roger, 3,823,008.

Parobek, Edward George, to Combustion Engineering, Inc. Rotary kiln for metal chip deoiling. 3,817,697, 6-18-74, Cl. 432-105.000.

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Paros, Jerome M. Absolute pressure transducer. 3,783,693, 1-8-74, Cl. 73-398.00c.

Paroz, Andre: *See*—
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Parr, Alta M., to Caterpillar Tractor Company. Adjustable steering wheel assembly for vehicles. 3,807,252, 4-30-74, Cl. 74-493.000.

Parr, Ben C.: *See*—
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Parr, Edward L. Instrument for indicating time. 3,783,598, 1-8-74, Cl. 58-2.000.

Parr, Edward L., to Thompson, Wendell L. Tool holder. 3,783,729, 1-8-74, Cl. 83-666.000.

Parr, Eric W., to Wilkinson Sword Limited. Spirometers. 3,848,583, 11-19-74, Cl. 128-2.080.

Parr, Erwin W. Dual flow fluid filter. 3,856,683, 12-24-74, Cl. 210-336.000.

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Parrett, John T.; and Frazer, David S., to Koehring Company. Outrigger hydraulic system. 3,856,152, 12-24-74, Cl. 212-145.000.

Parris, John L.; and Oldham, Herman J., to Carborundum Company, The. Apparatus for clamping and discharging workpiece 3,833,112, 9-3-74, Cl. 198-283.000.

Parris, Joseph N., to PPG Industries, Inc. Pressure molding of glass articles apparatus. 3,814,593, 6-4-74, Cl. 65-305.000.

Parris, Warren; and Rosenberg, Harry W., to Titanium Metals Corporation. High strength titanium alloys. 3,802,877, 4-9-74, Cl. 75-175.500.

Parris, William J., to Westinghouse Electric Corporation. Microwave filter. 3,824,504, 7-16-74, Cl. 333-73.00w.

Parrish, Douglas R.; and Parrish, Richard A., to Parrish's Cake Decorating Supplies, Inc. Universal coupler for cake icing decorating tubes. 3,801,247, 4-2-74, Cl. 425-191.000.

Parrish, Douglas R., and Parrish, Richard A., to Parrish's Cake Decorating Supplies, Inc. Universal coupler for cake icing decorating tubes. 3,847,523, 11-12-74, Cl. 425-191.000.

Parrish, James T.; Spampinato, Dominic P.; and Terman, Lewis M., to International Business Machines Corporation. Inverter incorporating complementary field effect transistors. 3,808,462, 4-30-74, Cl. 307-225.000.

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Parrish, Robert Guy, to Du Pont de Nemours, E. I., and Company. Process for the preparation of low density microcellular foam sheets exhibiting high work-to-tear values. 3,787,543, 1-22-74, Cl. 264-53.000.

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Parrochia, Maxine. Garment bag. 3,811,543, 5-21-73, Cl. 190-43.000.

Parry, Alan C., to Mid-American Body & Equipment Co. Inc. Auxiliary storage device for vehicles. 3,854,621, 12-17-74, Cl. 220-20.000.

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Parry, Frank, to Branson Instruments, Incorporated. Ultrasonic seaming apparatus including feed means. 3,785,910, 1-15-74, Cl. 156-580.000.

Parry, Frank, to Branson Instruments, Incorporated. Ultrasonic seaming apparatus. 3,808,080, 4-30-74, Cl. 156-580.000.

Parry, Frank, to Branson Instruments, Incorporated. Ultrasonic seaming and cutting apparatus. 3,852,144, 12-3-74, Cl. 156-510.000.

Parry, Philip James, and Twigg, Peter Lindsay, to International Nickel Company, Inc., The. Process of producing nickel chromium alloy products. 3,811,960, 5-21-74, Cl. 148-11.50f.

Pars, Harry G.: *See*—
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Pars, Harry G.; and Atkinson, Edward R. Esters of tetrahydropyridines. 3,839,345, 10-1-74, Cl. 260-295.00r.

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Pars, Harry George; and Razdan, Raj Kumar, to Sharps Associates. Dialkylamino esters of benzopyranopyridines. 3,787,424, 1-22-74, Cl. 260-295.00t.

Pars, Harry George; and Razdan, Raj Kumar, to Sharps Associates. Dialkylamino ethers of benzopyranopyridines. 3,838,158, 9-24-74, Cl. 260-296.00h.

Parsegov, Georgy Mesropovich: *See*—

Abamnov, Valery Grigorievich, Kochinev, Alexei Savelievich; Kiselev, Sergei Nikolaevich; Nikiforov, Vladimir Mifodievich; and Parsegov, Georgy Mesropovich, 3,817,511.
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Parshall, George W., to Du Pont de Nemours, E. I., and Company. Catalysis by dispersions of metal halides in molten trihalostannate (II) and trihalogermanate (II) salts, 3,832,391, 8-27-74, Cl. 260-497.00a.
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Parsons, Charles E., Jr. Dust filter, 3,803,814, 4-16-74, Cl. 55-287.000.
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Parsons, John I. Meltable matrix chucking apparatus, 3,790,152, 2-5-74, Cl. 269-7.000.
Parsons, John T., and Goodland, Donald E., to Grass, Jerome A. Controllable pitch maripropeller, 3,801,219, 4-2-74, Cl. 416-157.000.
Parsons, Joseph R., and Rechter, Harold L., to Chicago Fire Brick Company. Refractory composition comprising coarse particles of clay or bauxite and carbon, 3,810,768, 5-14-74, Cl. 106-56.000.
Parsons, Joseph R., and Rechter, Harold L., to Chicago Fire Brick Company. Refractory compositions containing diammonium phosphate, 3,832,193, 8-27-74, Cl. 106-65.000.
Parsons, Joseph R., and Rechter, Harold L., to Chicago Fire Brick Company. Refractory composition and shaped article containing carbon and silicon, 3,842,760, 10-22-74, Cl. 106-56.000.
Parsons, Joseph R., and Rechter, Harold L., to Chicago Fire Brick Company. Gunable refractory composition, 3,846,144, 11-5-74, Cl. 106-56.000.
Parsons, Richard H., to General Motors Corporation. Constant velocity universal joint, 3,785,172, 1-15-74, Cl. 64-21.000.
Parsons, Robert A., and Giudotti, Alfred F., to Troy Mills, Inc. Non-woven textile products, 3,819,465, 6-25-74, Cl. 161-74.000.
Parsons, Roger C., and Yang, Kang, to Continental Oil Company. Method for upgrading coal gasification products, 3,823,775, 7-16-74, Cl. 166-260.000.
Parsons, Roger C., to Continental Oil Company. Blend borehole back-reaming method, 3,856,084, 12-24-74, Cl. 166-257.000.
Parsons, Ronald, to Platt International Limited. Open-end textile spinning machines, 3,821,878, 7-2-74, Cl. 57-34.00r.
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Parthasarthy, R., Warthen, John L.; and Ciapetta, Frank G., to Grace, W. R., & Co. Selective oxidation of olefins, 3,830,847, 8-20-74, Cl. 260-604.00r.
Partida, Pedro. Confining nozzle for spray gun, 3,848,807, 11-19-74, Cl. 239-290.000.
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Partos, Richard D., to Monsanto Company. Isopropyl-cyanophenyl alkylsulfonates, 3,853,939, 12-10-74, Cl. 260-456.00r.
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Partridge, Harold Devere, to Hooker Chemical Corporation. Activated chlorate, 3,791,979, 2-12-74, Cl. 252-187.000.
Partridge, Harold deVere, and Hildyard, Joseph M., to Hooker Chemical Corporation. Process for removing hexavalent chromium from chlorate containing from chlorate containing liquors, 3,843,769, 10-22-74, Cl. 423-475.000.
Partridge, John Joseph, Jr.; and Uskokovic, Milan Radoje, to Hoffmann-La Roche Inc. Synthesis of 25-hydroxycholesterol, 3,822,254, 7-2-74, Cl. 260-239.55r.
Partridge, Leslie W., to Burdick Corporation, The. Patient cord assembly, 3,812,845, 5-28-74, Cl. 128-2.06r.
Parts, Leo P., and Miller, John L., Jr., to Monsanto Research Corporation. Smoke-retardant styrene polymer compositions containing tetraphenyl lead, 3,793,404, 2-19-74, Cl. 260-880.00r.
Parts, Leo P., and Miller, John L., Jr., to Monsanto Research Corporation. Smoke-retardant styrene polymer compositions containing a metal phthalocyanine, 3,825,520, 7-23-74, Cl. 260-45.75r.
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Pasch, Lambert, to Uniroyal A.G. Segmental mold, 3,833,323, 9-3-74, Cl. 425-47.000.
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Pascuzzi, Arthur. Mobile pendent support system, 3,802,351, 4-9-74, Cl. 105-150.000.
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Pasky, Joseph Z., to Chevron Research Company. Carboxylic, hydroxy-carboxylic and related acid mixtures, 3,790,609, 2-5-74, Cl. 260-413.000.
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Oleg Petrovich, Baglai, Vitaly Mikhailovich; Sidorenko, Mikhail Nikolaevich, Leibenzon, Semen Abramovich, Kaganovsky, Gary Petrovic; Altgauzen, Andrei Pavlovich, Nikolsky, Leonid Evgenievich, Goryunina, Zoya Alexandrovna, Safronova, Ljudmila Andreevna; Katsevich, Leonid Savvich, Volokhonsky, Lev Avramovich, Nikulin, Alexandr Alexandrovich; Artemiev, Vladimir Dmitrievich, Edemsky, Vladiir Mikhailovich, and Voronin, Georgy Alexandrovich, to Institut Elektrosvarki Im. E. O. Patona. Method for electroslag remelting with slag introduction and equalized plural electrode remelting. 3,838,200, 9-24-74, Cl 13-9.000.

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Paton, Boris Evgenievich; Lakomsky, Victor Iosifovich, Melnik, Gary Alexandrovich, Chvertko, Anatoli Ivanovich; and Bukalo, Alfred Iosifovich. Plasma arc torch 3,849,584, 11-19-74, Cl. 13-9.000

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Paton, Charles R.: *See*—
Grunert, Kurt A.; Paton, Charles R.; and Sentak, John A., 3,852,544

Paton, Hamilton Neil King. Two-axle boxcar with full-side closure. 3,792,667, 2-19-74, Cl. 105-404.000.

Paton, Jim. *See*—
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Patono, Carlo Luigi, to Varian S.p.A. Substrate carrying apparatus for use in coating equipment. 3,850,138, 11-26-74, Cl. 118-49.000.

Patouillet, Jean, to Societe Anonyme Antar-Petroles de L'Atlantique. Process for carrying out endothermic catalytic reactions. 3,785,953, 1-15-74, Cl. 208-49.000.

Patrakhaltsev, Nikolai Nikolaevich: *See*—
Leonov, Oleg Borisovich, Arapov, Viktor Viktorovich, Pavljukov, Vladimir Grigorievich; Oblasti, Zhukovsky Moskovskoi; Patrakhaltsev, Nikolai Nikolaevich, Manuilov, Nikolai Nikolaevich, and Soldatov, Nikolai Konstantinovich, 3,818,882.

Patrick, Bruce R.; and Timms, Herbert, to Timms, Herbert W. Solid state automatic fluid dispensing means. 3,825,153, 7-23-74, Cl. 222-14.000.

Patrick, Charles T., Jr., and Milligan, Charles L., to NDM Corporation. Indifferent electrode in electrosurgical procedures and method of use. 3,848,600, 11-19-74, Cl. 128-303.130.

Patrick, Charles T., Jr., to NDM Corporation. Epoxy resin compositions and processes for preparing same. 3,849,366, 11-19-74, Cl. 260-37.0ep.

Patrick, Elbert L., to Metalphoto Corporation, a division of Horizons Research Incorporated. Coloring of anodized aluminum. 3,833,374, 9-3-74, Cl. 96-36.000.

Patrick, Henry W.: *See*—
Neeb, Robert P.; Patrick, Henry W.; and Mumford, Ray H., 3,786,736.

Patrick, John; and Durmann, George J. Window shade and curtain brackets and mounting means therefor. 3,847,337, 11-12-74, Cl. 248-252.000.

Patrick, Paul D., Jr.; and Thomas, Brantley D., Jr., to Westvaco Corporation. Process for recovery of rosin and fatty acid from alkaline black liquor. 3,804,818, 4-16-74, Cl. 260-97.500.

Patrick, Ralph E.: *See*—
Kovach, Stephen M.; and Patrick, Ralph E., 3,806,553.
Kovach, Stephen M.; Patrick, Ralph E.; and Kmecak, Ronald A., 3,836,453.

Patrick, Ralph R.; Kmecak, Ronald A.; and Kovach, Stephen M., to Ashland Oil, Inc. Hydrogen transfer catalyst. 3,825,503, 7-23-74, Cl. 252-462.000.

Patrick, Richard M.: *See*—
Hoag, Ethan D.; Patrick, Richard M.; Locke, Edward V.; and Hella, Richard A., 3,851,273.

Patrick, William L.: *See*—
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Patrie, Jos. to Cegedur GP. Process for coloring aluminum and alloys of aluminum having an anodized surface. 3,795,590, 3-5-74, Cl 204-35.00n.

Patrignani, Theo, to Manufacture de Machines du Haut-Rhin. Chain-type jack for handling tensile and compressive loads. 3,831,455, 8-27-74, Cl. 74-89.210

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Melacini, Paolo, Patron, Luigi, Moretti, Alberto, and Tedeseo, Raffaele, 3,821,178.
Melacini, Paolo; Patron, Luigi, Moretti, Alberto, and Tedeseo, Raffaele, 3,839,288.

Patronato de Investigacion Cientifica Y tecnica. *See*—
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Patros, Carl Thomas: *See*—
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Patsch, Manfred: *See*—
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Pattas, Konstantin: *See*—
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Pattas, Konstantin; and Glathe, Hans-Peter, to Daimler-Benz Aktiengesellschaft. Hot-gas engine. 3,827,837, 8-6-74, Cl. 418-104.000.

Pattee, Warren K. Universal adaptor and disconnect for accessory ignition. 3,847,464, 11-12-74, Cl 339-31.00r.

Patten, Dan H., Jr. Pickup mechanism. 3,847,267, 11-12-74, Cl. 198-20.00r.

Patten, Raymond A.; and Bey, Paul P., to United States of America, Navy. Transparent film uniformity gauge. 3,804,532, 4-16-74, Cl. 356-108.000.

Patten, Thomas, to Picker Corporation. Automatic X-ray inspection system. 3,849,650, 11-19-74, Cl. 250-321.000.

Patterson, Arthur E., Jr.; and Barakauskas, Edward J., to Westinghouse Electric Corporation. Emergency buoyancy system. 3,799,092, 3-26-74, Cl. 114-.50d.

Patterson, Bernard A. Low fat whip topping. 3,806,605, 4-23-74, Cl 426-163.000.

Patterson, C. J., Company: *See*—
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Patterson, Carol M., to Research Equipment Company, Inc. Research cage apparatus with improved filter clamping means 3,830,200, 8-20-74, Cl. 119-15.000.

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Patterson, James M. Dual trailer hitch attachment. 3,848,893, 11-19-74, Cl. 280-417.000.

Patterson, James M., Jr., to Farrington Business Machines Corporation. Portable imprinter including means for providing imprinting pressure compensation. 3,818,829, 6-25-74, Cl. 101-269.000.

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Patterson, John F., Bassler, Elmer A., Jr., and Choby, Edward J., to Westinghouse Electric Corporation. Low parasitic capture fuel assembly structure. 3,791,466, 2-12-74, Cl. 176-78.000

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Patterson, Robert. Deformable energy absorbing bumper. 3,806,180, 4-23-74, Cl. 293-1.000.

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Pattison, Victor A., to Hooker Chemical Corporation. Certain pyridinium carbamoyl compositions. 3,849,426, 11-19-74, Cl. 260-295.0ca.

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Patton, Bobbie J.; Sexton, James H.; and Harrell, John W., to Mobil Oil Corporation. Method and apparatus for surface-to-downhole communication. 3,800,277, 3-26-74, Cl. 340-18.01r

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Paul, Keith Thomas; Gale, George Martin; and Humpidge, Richard Thomas. Apparatus for determining the processing characteristics of plastic type materials. 3,800,597, 4-2-74, Cl. 73-59.000.

Paul, Kermit, to Fuller Company. Process and apparatus for preheating solid particulate materials. 3,832,128, 8-27-74, Cl. 432-17.000.

Paul, Lawrence Gerald. Apparatus for adjusting the tension of an elongated stretched filament. 3,813,983, 6-4-74, Cl. 84-458.000.

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Paule, Michael L. Sharpening device for cutting implements such as razor blades. 3,854,251, 12-17-74, Cl. 51-158.000.

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Paulick, David R.; Wark, Emerson L.; and Koeppen, William E., to General Motors Corporation. Two-sectioned room air conditioner construction cabinet. 3,819,244, 6-25-74, Cl. 312-101.000.

Paulik, Frank E.: *See*—
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Forster, Denis; Hershman Arnold; and Paulik, Frank E., 3,852,346.

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Paulik, Frank E.; Hershman, Arnold; Knox, Walter R.; and Roth, James F., to Monsanto Company. Production of monocarboxylic acids. 3,813,428, 5-28-74, Cl. 260-532.000.

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Paulin, Howard Douglas, to Burroughs Corporation. Apparatus for stripping coaxial cable. 3,830,677, 8-20-74, Cl. 156-345.000.

Paulin, Jean, to Ugine Carbone. Method of mounting rings of hard sintered metal on a rolling cylinder. 3,833,982, 9-10-74, Cl. 29-148.40d.

Paulin, Kenneth H., and Wolfe, Merritt W., to Goodyear Tire & Rubber Company, The. Pneumatic tire and method of retreading. 3,841,376, 10-15-74, Cl. 152-361.00r.

Paulissen, Martin G.: *See*—
Janssen, Willem P. H. A.; and Paulissen, Martin G., 3,815,991.

Pauliukonis, Richard S. Power cylinder with piston return by own vacuum force. 3,815,481, 6-11-74, Cl. 92-86.000.

Pauliukonis, Richard S. Energy conserving directional valve-cylinder combination. 3,824,898, 7-23-74, Cl. 91-416.000.

Pauliukonis, Richard S. Chemical syringe. 3,831,816, 8-27-74, Cl. 222-135.000.

Paull, David, to Swiss Aluminium Ltd., mesne. On site method of erecting a wall structure and a weather gasket joint. 3,846,951, 11-12-74, Cl. 52-741.000.

Paull, Peter L.; and Kerr, Paul F., to Texaco Development Corporation. Method for heating a fluid. 3,817,038, 6-18-74, Cl. 60-641.000.

Paull, Peter L.; and Kerr, Paul F., to Texaco Development Corporation. Method for recovering geothermal energy. 3,827,243, 8-6-74, Cl. 60-641.000.

Paull, Stephen; and Crafton, Paul A., to Constellation Corporation. Electric control motor driven lock mechanism. 3,854,310, 12-17-74, Cl. 70-280.000.

Paulmar Incorporated: *See*—
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Pauls, Charles W., to Cessna Aircraft Company, The. Valve detent mechanism. 3,790,129, 2-5-74, Cl. 251-297.000.

Paulsell, Kenneth G.: *See*—
Peet, Robert G.; Foster, Henry O.; Paulsell, Kenneth G., and Hogshead, Thomas H., Jr., 3,786,127.

Paulsen, Charles, to Ivan Servall, Inc. Centrifuge test tube holder. 3,837,633, 9-24-74, Cl. 269-128.000.

Paulsen, Harke Claus: *See*—
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Paulsen, Lewis A.; and Smith, John W., to Levy, Edward C., Company. Conveyor belt cleaning device. 3,802,554, 4-9-74, Cl. 198-230.000.

Paulsen, W. Charles: *See*—
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Paulson, Danton L.: *See*—
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Paulson, Donald C., to Litton Industrial Products, Inc. Method for monitoring product quality in a plastics injection-molding machine. 3,792,134, 2-12-74, Cl. 264-40.000.

Paulson, Donald C.; and Groleau, Rodney J., to Control Process, Incorporated. Cavity pressure control system. 3,807,914, 4-30-74, Cl. 425-144.000.

Paulson, Donald C.; and Groleau, Rodney J., to Control Process, Incorporated. Dynamic pressere control system. 3,840,312, 10-8-74, Cl. 425-149.000.

Paulson, Donald L.: *See*—
Manno, Anthony C.; Paulson, Donald L., and Ozag, Gustav, 3,857,118.

Paulson, Harold E. Printing press cylinder release system. 3,817,174, 6-18-74, Cl. 101-218.000.

Paulson, Harold E. Printing press feed mechanism. 3,834,691, 9-10-74, Cl. 271-100.000.

Paulson, Orville B. Balanced and integrated chassis and floor system for mobile home and modular units. 3,792,895, 2-19-74, Cl. 296-28.00r.

Paulson, Peter C., to Electro-Coatings, Inc. Polarity reversing switch for high current loads. 3,851,130, 11-26-74, Cl. 200-153.00r.

Paulson, Ralph E. Simulated beam light fixture. 3,831,020, 8-20-74, Cl. 240-10.00r.

Paulson, Robert C. Gas relieving device for bottles. 3,797,112, 3-19-74, Cl. 30-366.000.

Paulson, William T.; Davidson, David M.; deceased (by Davidson, Clara A.; executrix); Gilbert, L. Eldean; Gabbard, Henry; and Bemus, Richard D., to Standard Register Company, The. Apparatus and method for producing a business form article. 3,850,729, 11-2674, Cl. 156-390.000.

Paulstra: *See*—
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Paulucci, Jeno F., to Jeno's Inc. Unitary container for a food product. 3,811,594, 5-21-74, Cl. 220-20.000.

Paulucci, Jeno F.; d/b/a Paulucci, Jeno F., Enterprises: *See*—
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Paulus, Wilfried; Hamburger, Brigitte; and Pauli, Otto, to Bayer Aktiengesellschaft. Aroyl-ethyl-hexaminium salts. 3,801,576, 4-2-74, Cl. 260-248.500.

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Pauly, David R.: *See*—
Fridinger, Tomas L.; Mutsch, Edward L.; and Pauly, David R., 3,817,740.

Pauly, Raymond W.: *See*—
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Paus, Robert L., to Arvin Industries, Inc. Cassette locating system. 3,845,502, 10-29-74, Cl. 360-86.000.

Pausch, Josef, to General Resource Corporation. Filter cleaning apparatus. 3,798,878, 3-26-74, Cl. 55-96.000.

Pausche, John W.: *See*—
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Pause, Kurt. Continuous centrifuge. 3,799,353, 3-26-74, Cl. 210-369.000.

Pause, Kurt; Dregger, Ernst Ullrich; and Otten, Gottfried, to Maschinenfabrik Buckau R. Wolf Aktiengesellschaft. Apparatus for discharging the contents of a discontinuously operating centrifuge. 3,851,818, 12-3-74, Cl. 233-22.000.

Pause, Kurt; Dregger, Ernst Ullrich; and Otten, Gottfried, to Maschinenfabrik Buckau R. Wolf Aktiengesellschaft. Drum for a centrifuge. 3,854,657, 12-17-74, Cl. 233-2.000.

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Pautrat, Rene; and Marteau, Jacques, to Agence Nationale de Valorisation de la Recherche (ANVAR). Method for the chemical modification of ethylenically unsaturated polymers and products obtained thereby. 3,855,348, 12-17-74, Cl. 260-79.30r.

Pauvlik, Jeanne Marie: *See*—
Jones, Peter Hadley; Martin, Jerry Roy; McAlpine, James Bruce; Pauvlik, Jeanne Marie; and Tadanier, John Soloman, 3,842,069.

Pauwels, Edward M., to Bendix Corporation, The. Valve for force-reversing modulator. 3,840,279, 10-8-74, Cl. 303-21.00f.

Pauza, William Vito: *See*—
Cassarly, James William; Graeff, Norwood Claude; Hooper, Dean Roosevelt; Pauza, William Vito; Sheesley, Wilmer Lee, and Youngfleish, Frank Christian, 3,833,869.

Pauza, William Vito; and Poltonavage, Edward Michael, to AMP Incorporated. Frames for adapting a multi-contact electrical connector to electrically connect with various styles of substrates. 3,846,734, 11-5-74, Cl. 339-17.0cf.

Pauze, Denis R.: *See*—
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Pauze, Denis R.; and Holub, Fred F., to General Electric Company. Polyamide-imides. 3,817,926, 6-18-74, Cl. 260-65.000.

Pavelka, Clement C. Tractor with full swivel front section. 3,819,001, 6-25-74, Cl. 180-19.00h.

Pavement Systems, Inc.: *See*—
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Pavena A.G.: *See*—
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Naegeli, Werner, 3,825,974.
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Pavese, Franco, to Ferrero, P., & C. S.p.A. Apparatus for loading objects into selling display units. 3,815,324, 6-11-74, Cl. 53-237.000.

Pavey, Donald L.: *See*—
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Pavia, Edgar H., and Tyagi, Amulya D., to Pavia-Byrne Engineering Corporation, mesne. Treatment of wastewaters from the processing of fish. 3,787,596, 1-22-74, Cl. 426-488.000.

Pavia, Leonard W. Enhancement equipment for connection to electronic musical instruments. 3,800,059, 3-26-74, Cl. 84-1.240.

Pavia-Byrne Engineering Corporation, mesne: *See*—
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Paviak, Stanley C.: *See*—
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Paviak, Stanley C., to Gulf Research & Development Company. Sulfonate detergents. 3,819,540, 6-25-74, Cl. 252-555.000.

Pavkovich, John M., to Varian Associates. Computer assisted radiation therapy machine. 3,783,251, 1-1-74, Cl. 235-151.000.

Pavlenko, Alexandra Semenovna: *See*—
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Pavlica, Stanley Ronald; and Weaver, Ernest Paul, to Dresser Industries, Inc. Binder for high alumina refractory brick. 3,832,194, 8-27-74, Cl. 106-65.000.

Pavlica, Zdenek, to Elitex, Zavody textilniho strojirenstvi generalni reditelstvi. Double lift dobby. 3,833,027, 9-3-74, Cl. 139-71.000.

Pavlich, Joseph P.: *See*—
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Pavlik, Norman M., to Westinghouse Electric Corporation. Non-reactive refractory separating coatings for electrical steels. 3,794,520, 2-26-74, Cl. 117-230.000.

Pavlik, Norman M., and Cunningham, James W., to Westinghouse Electric Corporation. Method of producing molded stators from steel particles. 3,848,331, 11-19-74, Cl. 29-596.000.

Pavljuk, Boris Andreevich: *See*—
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Pavlo, William A.; and Conroy, Richard M., to General Battery Corporation. Process for casting molten metal. 3,815,659, 6-11-74, Cl. 164-65.000.

Pavlov, Boris Nikolaevich: *See*—
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Paxton, Floyd G. Plastic clip for closing flexible plastic bag, 3,822,441, 7-9-74, Cl. 24-30.5Ds

Paxton, Gerald C., to General Nailing Machine Corporation, Container sealing apparatus, 3,821,875, 7-2-74, Cl. 53-374.000

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Payne, Calvin L., Jr., Gambello, Vincent J., and Molnar, John A., to Tudor Games, Incorporated, Basketball game, 3,856,303, 12-24-74, Cl. 273-85.00h

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Payne, Michael Ian, and Mazgy, James Dimitri, to RCA Corporation, Apparatus for testing the linearity of a circuit by using a staircase waveform and ratio determining means, 3,836,845, 9-17-74, Cl. 324-57.0ps

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Payne, Thomas R.; Plumlee, Hubert R.; and Judy, Millard M., to Texas Instruments, Incorporated, Thermal display system, 3,808,399, 4-30-74, Cl. 219-216.000.

Payne, Wesley J., to United States of America, Army, mesne, Electron device incorporating a microchannel secondary emitter, 3,854,066, 12-10-74, Cl. 313-105.000.

Paynter, Donald A.: *See*—
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Paynter, John, to General Electric Company, Method of forming an electrode of mixed catalyst powders, 3,793,083, 2-19-74, Cl. 136-120.0fc.

Paynter, John D.: *See*—
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Payot, Pierre H.; and Gatzi, Karl, to Ciba-Geigy Corporation, Quaternary ammonium salts, 3,801,641, 4-2-74, Cl. 260-567.60m.

Payraudeau, Hubert Michel Henri, to Borden Chemical Company (France) and Technab, Installation for manufacturing resin based concrete panels, 3,850,558, 11-26-74, Cl. 425-101.000.

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Payson, Buford L., to Roberts Consolidated Industries, Inc., mesne, Extendible tube assembly, 3,791,624, 2-12-74, Cl. 254-62.000.

Pazemenas, Vytautas V.: *See*—
Bell, Robert E.; Dinger, James R., Laymon, Marvin D.; and Pazemenas, Vytautas V., 3,833,897.

Pazer, Jerome; and Bach, Michael C., to Instrument Systems Corporation, Remotely programmable lock, 3,842,629, 10-22-74, Cl. 70-264.000

Pazis, Thomas: *See*—
Bernstein, Barry E.; Erbstein, Robert S.; and Pazis, Thomas, 3,789,595.

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PCR, Inc.: *See*—
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Peabody Engineering Corporation. *See*—
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Peabody Gordon-Piatt, Inc.: *See*—
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Peabody, Ralph C., to Tennant Company, Elongated hole brush, 3,820,186, 6-26-74, Cl. 15-182.000.

Peace, Franklin, Dispensing apparatus for applying exterminating and preservative compositions, 3,828,464, 8-13-74, Cl. 43-131.000.

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Peach, Robert W. Expansion joint for slabs of concrete roadways, 3,851,989, 12-3-74, Cl. 404-50.000

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Peacock, George Brandwood, and Dobson, Austin, to Platt International Limited, Twisting of textile filaments, 3,846,966, 11-12-74, Cl. 57-77.400.

Peacock, Henry Safford, to Myers Industries, Inc, Sandwich panel structures for supporting shelves, 3,844,231, 10-29-74, Cl. 108-107.000.

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Peacock, Peter J., and Scarnato, Thomas J., to International Harvester Company, Self-adjusting crop deflector, 3,803,821, 4-16-74, Cl. 56-192.000

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Peake, Glenn Edward, and Holmes, Thomas Gary, to DeSure, D. S. Visual effect device, 3,806,722, 4-23-74, Cl. 240-10.00r

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Pear, Charles B., Jr., to Potter Instrument Company, Inc, Helical bar strip chart recorder, 3,843,955, 10-22-74, Cl. 346-35.000.

Pearce, Arthur W. Spreading and end spill dump trailer, 3,847,405, 11-12-74, Cl. 280-34.00a

Pearce, Ben Needle threader, 3,840,160, 10-8-74, Cl. 223-99.000

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Pearce, George, Continuity tester, 3,831,089, 8-20-74, Cl. 324-122.000

Pearce, Harry H. *See*—
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Pearce, Jai K.. *See*—
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Pearl, David L.; deceased (by Pearl, Peggy P., sole heir); and Blackshear, David M. Camera capsule. 3,819,856, 6-25-74, Cl. 178-7.810.

Pearl, David R.: *See*—
Gerber, Heinz Joseph; and Pearl, David R., 3,790,154.

Pearl, David R., to Gerber Garment Technology, Inc. Device for cutting sheet material. 3,789,716, 2-5-74, Cl. 83-747.000.

Pearl, David R.; and Robison, Samuel Clifford, to Gerber Garment Technology, Inc. System and method for cutting pattern pieces from sheet material. 3,803,960, 4-16-74, Cl. 83-56.000.

Pearl, David R., to Gerber Garment Technology, Inc. Apparatus and method for cutting sheet material. 3,805,650, 4-23-74, Cl. 83-56.000.

Pearl, David R., to Gerber Garment Technology, Inc. Method for holding sheet material by a vacuum holddown. 3,815,221, 6-11-74, Cl. 29-559.000.

Pearl, David R., to Gerber Garment Technology, Inc. Apparatus for dispensing a liquid onto a tool. 3,830,122, 8-20-74, Cl. 83-169.000.

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Pearl, David Raymond: *See*—
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Pears, Gordon Edmund Alfred, to Imperial Chemical Industries, Limited. Method for preparing reclaimable coated polyester films. 3,819,773, 6-25-74, Cl. 264-37.000.

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Pearson, Anthony J. C., to Monsanto Company. Process for the condensation of formaldehyde with carboxylic acids. 3,840,587, 10-8-74, Cl. 260-486.00d.

Pearson, Anthony J. C., to Monsanto Company. Production of unsaturated esters. 3,840,588, 10-8-74, Cl. 260-486.00d.

Pearson, Bernard A., to Smith-Williston, Inc. Drill head assembly. 3,791,463, 2-12-74, Cl. 173-80.000.

Pearson, Bernard A., to Smith-Williston, Inc. Method of inserting buttons in a drilling head. 3,852,874, 12-10-74, Cl. 29-525.000.

Pearson, Charles J.: *See*—
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Pearson, Clifford H. Adhesive compositions and method of making plywood. 3,793,113, 2-19-74, Cl. 156-335.000.

Pearson, Dale S.; and Shurpik, Anton, to Firestone Tire & Rubber Company, The. Promoters for radiation induced cross-linking in polymer substances. 3,843,502, 10-22-74, Cl. 204-159.180.

Pearson, Daniel, to Grace, W. R., & Company. Method of wrapping a confectionary. 3,800,497, 4-2-74, Cl. 53-14.000.

Pearson, David W.: *See*—
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Pearson, Eugene W., to Canron, Inc. Shear machine knife adjustment. 3,791,248, 2-12-74, Cl. 83-641.000.

Pearson, Frank Arthur, to Gulf & Western Industries, Inc. Relay clutch timer. 3,810,050, 5-7-74, Cl. 335-75.000.

Pearson, Frederick Randall, to Humes Limited. Oil operated coupling. 3,795,294, 3-5-74, Cl. 192-85.0at.

Pearson, George. Humidifying apparatus. 3,801,077, 4-2-74, Cl. 261-139.000.

Pearson, George E. Typing apparatus. 3,805,938, 4-23-74, Cl. 197-2.000.

Pearson, Gerald L.; and Foggiato, Giovanni A., to Leland Stanford Junior University, The Board of Trustees of the. High speed bulk semiconductor microwave switch. 3,852,794, 12-3-74, Cl. 357-3.000.

Pearson, Howard Brent, to Johns-Manville Corporation. Method of forming gypsum boards with hardening edges. 3,832,250, 8-27-74, Cl. 156-39.000.

Pearson, Irving T., to Nelmor Co. Inc. Parts separators. 3,811,568, 5-21-74, Cl. 209-99.000.

Pearson, John, to British Iron and Steel Research Association, The. Production of low carbon ferralloys. 3,839,018, 10-1-74, Cl. 75-60.000.

Pearson, Karl C., Jr.; Postema, Gerrit B.; McLeod, Willard W., Jr.; and Fenzel, Frederick A., to Raytheon Company. Monopulse radar receiver with error correction. 3,794,998, 2-26-74, Cl. 343-16.00m.

Pearson, Kenneth A.; and Zook, Gordon M., to International Business Machines Corporation. Storage access apparatus. 3,794,970, 2-26-74, Cl. 340-172.500.

Pearson, Lee E., to Owens-Corning Fiberglas Corporation. Rib structure. 3,818,950, 6-25-74, Cl. 138-174.000.

Pearson, Leonard Charles: *See*—
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Pearson, Melton T., to Standard Spray and Chemical Company. Method for treating a peanut crop. 3,846,116, 11-5-74, Cl. 71-65.000.

Pearson, Monry L.; and Walls, Lee C., to Raceway Products Corporation, Hopple. 3,848,571, 11-19-74, Cl. 119-126.000.

Pearson, Philip J., to McQuay-Perfex Inc. Waste water purification system. 3,850,801, 11-26-74, Cl. 210-86.000.

Pearson, R. A., Company: *See*—
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Pearson, Raymond H., to Whitehall Electronics Corporation. Marine seismic streamer connector structure. 3,812,455, 5-21-74, Cl. 340-7.00r.

Pearson, Robert: *See*—
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Pearson, Robert P., to Honeywell Inc. Strain gauge transducer signal conditioning circuitry. 3,841,150, 10-15-74, Cl. 73-88.50r.

Pearson, Ronald Denzil, to Babcock & Wilcox Limited. Pulsating combustors. 3,819,318, 6-25-74, Cl. 431-1.000.

Pearson, Ronald Ferguson: *See*—
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Pearson, Roy L. Putty application tool. 3,821,828, 7-2-74, Cl. 15-104.00s.

Pearson, Runne S. Lock. 3,817,066, 6-18-74, Cl. 70-363.000.

Pearson, Stanley, to Crescent Insulated Wire & Cable Company, Inc. Round electric cable for severe environmental operation and method of manufacture thereof. 3,809,802, 5-7-74, Cl. 174-103.000.

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Pearson, Walter C.; Quinn, Edward P.; and Thompson, Dorman N., to Minnesota Mining and Manufacturing Company. Apparatus for producing prefabricated bows. 3,790,041, 2-5-74, Cl. 223-46.000.

Pearson, Walter C., to Minnesota Mining and Manufacturing Company. Tape applicator. 3,850,779, 11-26-74, Cl. 156-523.000.

Pearson, William M.: *See*—
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Pearson, William Michael; and Pearson, Anthony, to Bondina Limited. Protective materials. 3,783,085, 1-1-74, Cl. 161-87.000.

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Peart, Joseph R.; and Walz, Bernell F., to Ford Motor Company. Vehicle spring damper. 3,806,150, 4-23-74, Cl. 280-124.00r.

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Pease, Floyd T.; and Sisk, James M., to Offshore Company, The. Method of and apparatus for dampening wave induced oscillations of floating vessels. 3,805,725, 4-23-74, Cl. 114-126.000.

Pease, J., Norman. Protective shock absorbing device for goalposts. 3,831,941, 8-27-74, Cl. 273-55.00r.

Pease, James F. Method of producing an electrical heating element and fitting assembly. 3,800,415, 4-2-74, Cl. 29-611.000.

Pease, Logan L., to Eaton Corporation, mesne. Optical addressing system. 3,784,791, 1-8-74, Cl. 235-61.11e.

Pease, Logan L.; and Huggins, Robert W., Jr., to Eaton Corporation. Photocoupling line isolation. 3,801,837, 4-2-74, Cl. 307-311.000.

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Peasnall, Leonard Charles, to Agricultural Utilities (Machinery) Limited. Apparatus for dispensing predetermined quantities of material into containers. 3,817,340, 6-18-74, Cl. 177-90.000.

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Peberdy, William T., to Chubb Fire Security Limited. Fire detector responsive to amplitude modulation of a pulsed EM beam. 3,846,772, 11-5-74, Cl. 340-227.00r.

Pebler, Alfred; and Hicham, William M., to Westinghouse Electric Corporation. Method and apparatus for monitoring the total combustibles and oxygen content of gas. 3,791,936, 2-12-74, Cl. 204-1.00t.

Pebler, Alfred R.: *See*—
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Pech, Michel: *See*—
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Pechacek, Raymond E., to Hahn & Clay. Multilayer pressure vessel method. 3,785,040, 1-15-74, Cl. 29-447.000.

Pechacek, Raymond E.; and Clay, Henry J., to Hahn & Clay. Vulcanizing press for rubber products. 3,827,839, 8-6-74, Cl. 425-34.000.

Pechacek, Raymond E., to Hahn & Clay. Vulcanizing device. 3,830,605, 8-20-74, Cl. 425-28.00r.

Pechard, Lucien Leon, to Bunker Ramo Corporation. Connector for printed circuit boards. 3,848,223, 11-12-74, Cl. 339-176.0mp.

Peche, Gerhard; and Bettge, Hans, to Siemens Aktiengesellschaft. Vacuum switch with contact material containing a minor percentage of aluminum. 3,819,897, 6-25-74, Cl. 200-263.000.

Peche, Gerhard, to Siemens Aktiengesellschaft. Vacuum switch assembly. 3,857,005, 12-24-74, Cl. 200-144.00b.

Pechennik, Leonid Naumovich: *See*—
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Pecher, Wolfgang; and Schottner, Helmut, to Metz Apparatewerke INH. Paul Metz. Electronic flash unit having protective circuit for flash terminating switch. 3,814,985, 6-4-74, Cl. 315-241.00p.

Pecherer, Benjamin: *See*—
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Peejak, Edward. Container harness. 3,820,695, 6-28-74, Cl. 224-45.0aa.

Peck, C. S., Co., Inc.: *See*—
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Peck, Gordon H., to Autotronic Controls Corporation. Vehicular performance analyzer. 3,853,002, 12-10-74, Cl. 73-133.00r.

Peck, James G., Jr., to PPG Industries, Inc. Mercury cathode electrolytic cells. 3,783,120, 1-1-74, Cl. 204-219.000.

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Peck, Reese A.; and Wilson, Raymond F., to Texaco Inc. Coke suppressing additive. 3,788,970, 1-29-74, Cl. 208-22.000.

Peck, Theodore H., to Bausch & Lomb Incorporated. Microscope stage fingers. 3,848,963, 11-19-74, Cl. 350-90.000.

Peck, Truman C., to Alpine Valley Resort, Inc. Ski lift. 3,810,427, 5-14-74, Cl. 104-173.000.

Peck, Wayne P., to Electronic Communications, Inc. Method of making a heat pipe. 3,803,688, 4-16-74, Cl. 29-157.30r.

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Peckels, Donald R.: *See*—
Hoey, George B.; Peckels, Donald R.; and Wiegert, Philip E., 3,814,769.

Peckenpaugh, Thomas L. Dual access kitchen cabinet. 3,807,826, 4-30-74, Cl. 312-305.000.

Peckham, Vernon D., to Kaman Sciences Corporation. System and method for measuring distance. 3,815,994, 6-11-74, Cl. 356-4.000.

Peckhaus, Oscar: *See*—
Herzhoff, Peter; Gree, Hans; Schweicher, Wolfgang, Voss, Karl; Peckhaus, Oscar; Frenken, Hans; and Bussmann, Heinrich, 3,799,419.

Peckinpaugh, Frank Lee, to Allied Chemical Corporation. Ribbon breaking for high speed surface driven winders. 3,799,463, 3-26-74, Cl. 242-18.100.

Peckinpaugh, Frank Lee; Stables, Wilbur Leon; and Biron, Raymond Joseph, to Allied Chemical Corporation. Commingling jet for multifilament yarn. 3,828,404, 8-13-74, Cl. 28-1.400.

Peckmann, Heinz: *See*—
Kreipe, Carl-Eberhard; and Peckmann, Heinz, 3,844,355.

Pecoraro, Piereelestino. Apparatus for transporting and mixing concrete. 3,825,232, 7-23-74, Cl. 259-177.00r.

Pecoraro, Anthony. Educational clock toy. 3,829,989, 8-20-74, Cl. 35-39.000.

Pecoraro, George A. Method of making float glass. 3,811,854, 5-21-74, Cl. 65-27.000.

Pecoraro, George A.; McConnell, John F.; and Knavish, Leonard A., to PPG Industries, Inc. Apparatus for making float glass. 3,837,832, 9-24-74, Cl. 65-182.00r.

Pecoraro, Ralph R.: *See*—
Nardo, Thomas P.; and Pecoraro, Ralph R., 3,786,829.

Pecoraro, Raymond P.: *See*—
Agusta, Benjamin; Bardell, Paul H.; Castrucci, Paul P., Henle, Robert A.; and Pecoraro, Raymond P., 3,823,348.

Pecorella, Ignatius Richard. Orthopedic appliance having detachable fastening means. 3,827,431, 8-6-74, Cl. 128-80.00f.

Pecorella, Saviour S.; and Shotkin, Robert, to Becton, Dickinson and Company. Disposable temperature indicator. 3,834,226, 9-10-74, Cl. 73-150.00a.

Peczeli, Charles F.; and Tyrez, Edward T., to Gulf Oil Canada Limited. Method for admixing combustion air in a burner. 3,852,020, 12-3-74, Cl. 431-9.000.

Peczkowski, Joseph L., to Bendix Corporation, The. Fluid flow throttling valve. 3,818,921, 6-25-74, Cl. 137-501.000.

Pedain, Josef: *See*—
Hagemann, Hermann, Pedain, Josef, and Zankl, Erich, 3,789,033.

Pedain, Josef; Arlt, Dieter, and Hagemann, Hermann, to Bayer Aktiengesellschaft. High molecular weight products capable of being cross-linked. 3,792,004, 2-12-74, Cl. 260-22.0tn.

Peddinghaus, Carl Ullrich: *See*—
Peddinghaus, Paul Carl, and Peddinghaus, Carl Ullrich, 3,803,893.

Peddinghaus, Carl Ullrich. Conveyor device for conveying bars. 3,810,406, 5-14-74, Cl. 83-222.000.

Peddinghaus, Carl Ullrich. Conveyor having thrust means movable in a series of discrete strokes and provided with an aboutment for engaging the rear end of an article to be fed to a predetermined position on the conveyor. 3,820,431, 6-28-74, Cl. 83-251.000

Peddinghaus, Carl Ullrich. Piston for a shock absorber. 3,831,626, 8-27-74, Cl. 137-493.800.

Peddinghaus, Paul Carl, and Peddinghaus, Carl Ullrich. Process for multiple bending of rods and a bending machine for carrying out this process. 3,803,893, 4-16-74, Cl. 72-306.000

Peddinghaus, Paul Carl. Bending machine for metal rods. 3,812,694, 5-28-74, Cl. 72-21.000.

Peddinghaus, Werner: *See*—
Kruse, Erwin, 3,854,358.
Peddinghaus, Werner, and Regnebrecht, Ludwig (said Regnebrecht assor to said), 3,797,955

Peddinghaus, Werner, and Regenbrecht, Ludwig, said Peddinghaus assor. to said Regenbrecht, Ludwig. Punching or shearing train. 3,785,235, 1-15-74, Cl. 83-557.000.

Peddinghaus, Werner; and Regnebrecht, Ludwig, said Regnebrecht assor. to said Peddinghaus, Werner. Boring and punching device. 3,797,955, 3-19-74, Cl. 408-20.000.

Pedersen, Bjarne Skinhoj: *See*—
Weis, Jon, and Pedersen, Bjarne Skinhoj, 3,848,002.

Pedersen, Charles J., to Du Pont de Nemours, E. I., and Company. Macrocyclic sulfides. 3,856,813, 12-24-74, Cl. 260-327.00b.

Pedersen, Charles John; and Bromels, Marilyn H., to Du Pont de Nemours, E. I., and Company. Macrocyclic hetero imine complexing agents. 3,847,949, 11-12-74, Cl. 260-340.300.

Pedersen, Charles R.; and Stewart, David S., to Zenith Radio Corporation. Disc eject and brake mechanism for a video disc player. 3,803,351, 4-9-74, Cl. 178-6.600.

Pedersen, Dennis C.; and Sautier, Philip M., to Pillsbury Company, The. Vitamin enriched potato flakes. 3,833,739, 9-3-74, Cl. 426-72.000.

Pedersen, Haakon O., to De Laval Turbine, Inc. Improved pressure vented wear ring assembly for use in rotary machinery. 3,823,950, 7-16-74, Cl. 277-70.000.

Pedersen, Hans Aksel Hindkjaer, to Cimbrer Staal A/S. Method and apparatus for batch packing of food in tubular films. 3,807,130, 4-30-74, Cl. 53-258.000.

Pedersen, Hans Christian. *See*—
Nielsen, Erik; and Pedersen, Hans Christian. 3,790,921.

Pedersen, Hans Christian; and Nielsen, Erik, to Danfoss A/S. Electrical connecting arrangement for an encased refrigerating machine. 3,782,580, 1-1-74, Cl. 220-4.00b.

Pedersen, Hans Kristian. *See*—
Romer, Bendt Wegge; and Pedersen, Hans Kristian. 3,790,308.

Pedersen, Henning Kristen. Carrier packings. 3,803,990, 4-16-74, Cl. 93-35.00h.

Pedersen, Henry Valdemar; and Bredsted, Ole Jakobsen, to Nordisk Ventilator Co. A/S. Axial flow fan, the impeller vanes of which are adjustable during operation. 3,790,301, 2-5-74, Cl. 416-108.000.

Pedersen, Kristen I.: *See*—
Flory, John F.; Beazley, Raymond A.; and Pedersen, Kristen I. 3,838,718.

Pedersen, Nicholas F., to Sperry Rand Corporation. Power transmission. 3,784,328, 1-8-74, Cl. 417-222.000

Pedersen, Niels P.; and Schultz, Henry L., Jr., to General Electric Company. Voltage control of an A.C. drive system during motor starting. 3,787,724, 1-22-74, Cl. 318-410.000

Pedersen, Niels P.; and Shabel, John M., to General Electric Company. Wave generation circuit in a motor control. 3,800,203, 3-26-74, Cl. 318-345.000.

Pedersen, Thomas Josef, to Bell Telephone Laboratories, Incorporated. Bilateral time division multiplex switching system. 3,812,294, 5-21-74, Cl. 179-15.0ag

Pedershaab Maskinfabrik A/S. *See*—
Fisker, Jens Erik; and Sondergaard, Per. 3,813,203.
Holme, Bent Melchior Karlsen, 3,852,018.

Pederson, Christ W.: *See*—
Blizard, Robert B.; Pederson, Christ W.; and Polhemus, John T., 3,793,507
United States of America, National Aeronautics and Space Administration, 3,808,517.

Pederson, Richard H.; and Gregory, Robert O., to Monsanto Company. High efficiency transistor astable multivibrator. 3,792,376, 2-12-74, Cl. 331-113.00r

Pedginski, James J., and Peper, William A., to Minnesota Mining and Manufacturing Company. Sewing tape. 3,853,595, 12-10-74, Cl. 117-68.500.

Pedi, Mario J. Slicer having automatic material feed. 3,832,929, 9-3-74, Cl. 83-714.000

Pedigo, Richard A. Grass clipping compacter attachment for lawnmowers. 3,846,963, 11-12-74, Cl. 56-13.300.

Pedinoff, Melvin E., to Hughes Aircraft Company. Colinear heterodyne frequency modulator. 3,834,819, 9-10-74, Cl. 356-28.000.

Pedler, Richard John, to Camelec Limited. Battery terminal. 3,831,271, 8-27-74, Cl. 29-628.000.

Pedrosa, Jacobo Valdes: *See*—
Tarifa, Carlos Sanchez; and Pedrosa, Jacobo Valdes. 3,791,757

Pedulla, Joseph, Jr.. *See*—
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Pee Dee Pathology Associates, P.A.. *See*—
Habermeier, Hans K., 3,816,923.

Peebles, Richard A. Boat safety apparatus. 3,807,343, 4-30-74, Cl. 115-.50r

Peebles, Roy M. Method for polishing a seaming roll. 3,848,372, 11-19-74, Cl. 51-289.00r.

Peek, Benjamin Roger; and Garcia, Hernando Javier, to Intergrated Systems Technology, Inc., mesne Radio telephone subscriber unit 3,806,663, 4-23-74, Cl. 179-41.00a.

Peek, Hermanus Leonardus. *See*—
Eversteijn, Franciscus Cornelis; and Peek, Hermanus Leonardus, 3,816,166

Peek, Sandford C. Human pulse rate measuring apparatus. 3,835,837, 9-17-74, Cl. 128-2.05p

Peek, William H.. *See*—
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Peel, Billy J.. *See*—
Ladd, Floyd N.; Peel, Billy J.; and Stacy, Donald G., 3,816,962

Peel, Eric: *See*—
Gudin, Claude; and Peel, Eric, 3,816,960.

Peel, Richard E.: *See*—
Hull, Neil A.; and Peel, Richard E., 3,845,524

Peel, Richard E.; and Singh, Harkrishan, to Ford Motor Company. Vehicular three-point seat belt system. 3,841,659, 10-15-74, Cl. 280-150.05b.

Peele, Henry E., Jr.; and Vacarro, Angelo M., to Peelle Company, The. Vertically movable door operating means. 3,807,091, 4-30-74, Cl. 49-120.000.

Peeler, Donald H., to Irvin Industries Inc. Passenger safety device. 3,784,224, 1-8-74, Cl. 280-150.00b.

Peeler, Tommie. Poultry coop. 3,802,391, 4-9-74, Cl. 119-19.000.

Peelle Company, The: *See*—
Peele, Henry E., Jr.; and Vacarro, Angelo M., 3,807,091.

Peeples, Allyn W. Vehicle brake lining wear indication apparatus. 3,805,228, 4-16-74, Cl. 340-52.00a.

Peer, Charles F.: *See*—
Campagnuolo, Carl J., Peer, Charles F.; and Rawlings, David L., 3,853,066.

Peer, Daniel R.: *See*—
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Peereboom, Hans, to N.V. Industriele Handelscombinatie Holland. Drilling platform with corresponding supply vessel. 3,815,540, 6-11-74, Cl. 114-235.00r.

Peerenboom, Robert J.: *See*—
Johnson, Russell L.; Peerenboom, Robert J., Fries, Donald M., Kaczmarzyk, Leonard M.; and Buss, Arnold J., 3,857,395.

Peerless of America, Incorporated. *See*—
O'Connor, Joseph M., 3,781,959.
O'Connor, Joseph M.; and Pasternak, Stephen F., 3,850,236.
Pasternak, Stephen F., 3,791,003.
Pasternak, Stephen F.; and Pasternak, Stephen F., Jr., 3,820,215.

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Kerr, Lamar L.; Pees, James M.; and Riner, Robert J., 3,820,772.

Peeso, James Bruce, Jr., to American Cyanamid Company. Dewatering acrylonitrile polymers. 3,847,885, 11-12-74, Cl. 260-85.50r

Peet, Robert G., Foster, Henry O., Paulsell, Kenneth G., and Hogshead, Thomas H., Jr., to Du Pont de Nemours, E. I., and Company. Stretching polyethylene terephathalate film in a shortened span. 3,786,127, 1-15-74, Cl. 264-288.000

Peeters, Hugo Karel: *See*—
Laridon, Urban Leopold; Delzenne, Gerard Albert, and Peeters, Hugo Karel, 3,847,610.
Lohmann, Joachim Werner; Peeters, Hugo Karel; Ceulemans, Renaat Andreas, and Moelants, Felix Jan, 3,846,131.

Peetoom, Frans: *See*—
Fekete, Lajos F., and Peetoom, Frans, 3,839,314.

Peets, Robert S., to Singer Company, The. Sewing machine cabinet. 3,797,425, 3-19-74, Cl. 112-217.100

Peetz, Dieter. *See*—
Jochim, Friedrich, Peetz, Dieter, Karla, Heinz, and Luerssen, Hermann, 3,813,519.

Peetz, Hans-Dieter: *See*—
Krings, Hans; Peetz, Hans-Dieter; and Crumbach, Richard, 3,843,193.

Peetz, Hans-Dieter;, and Scholl, Heinz, to Saint-Gobain Industries. Safety glazings and methods of making them. 3,806,387, 4-23-74, Cl. 156-102.000.

Peev, Vasil Georgiev: *See*—
Valchev, Alexander Yordanov, Ninov, Emil Pantaleev, Peev, Vasil Georgiev; Velev, Velyu Todorov, Visokomogilski, Georgi Alexandrov; and Krestenyakov, Yordan Ivanov, 3,835,230.

Pegard, Pierre, to Ateliers G.S.P. (Guillemin, Sergot, Pegard). Device for automatically changing tools. 3,789,472, 2-5-74, Cl. 29-568.000.

Pegels, Abraham A., and Wijffels, Joannes B., to Shell Oil Company. Process for the catalytic treatment of hydrocarbon oils. 3,826,737, 7-30-74, Cl. 208-143.000

Pegg, Claude L.. *See*—
Pegg, Claude L., and Pegg, John L. (said Pegg, John L., assor to said), 3,783,897.

Pegg, Claude L., and Pegg, John L., said Pegg, John L., assor to said Pegg, Claude L. Warm liquid supply system for reservoir and mixing valve therefor. 3,783,897, 1-8-74, Cl. 137-564.000

Pegg, John L.. *See*—
Pegg, Claude L.; and Pegg, John L., 3,783,897

Pegg, Ronald L., to Haveg Industries, Inc. Expanded porous substrate for fibrous graphite structure. 3,856,593, 12-24-74, Cl. 156-60.000

Pegg, Ronald L., to Haveg Industries, Inc. Acoustical window for sonar systems. 3,858,165, 12-31-74, Cl. 340-3.00r

Pegler, John Owen Michael, and Mapes, Brian Edward George, to Lloyd, Richard, Limited. Milling cutters. 3,847,555, 11-12-74, Cl. 29-105.00r.

Pehlert, William King, Jr.: *See*—

Mecklenburg, Paul, Pehlert, William King, Jr., and Sullivan, Daniel David, 3,831,145.

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Pehr, Harold T. Pivoted closure condiment dispenser. 3,836,056, 9-17-74, Cl. 222-480.000.

Pei, Yu K.: *See*—
Zmuda, Andrew W.; and Pei, Yu K., 3,807,173.

Pei, Yu K., to Owens-Illinois, Inc. Method for forming glass-ceramic articles. 3,809,599, 5-7-74, Cl. 161-1.000.

Pei, Yu K., to Owens-Illinois, Inc. Method of making glass-ceramic pump parts. 3,817,732, 6-18-74, Cl. 65-33.000

Pei, Yu K. Apparatus for forming glass-ceramic articles. 3,819,352, 6-25-74, Cl. 65-357.000.

Peichl, Robert: *See*—
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Peil, William: *See*—
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Peil, William, to General Electric Company. Transistor switching network with reduced dissipation. 3,831,078, 8-20-74, Cl. 321-2.000.

Peil, William, to General Electric Company. Automatic gain control system and amplifier of controllable gain. 3,838,210, 9-24-74, Cl. 178-7.30r.

Peille, Jean Marie Raymond, to Societe Industrielle de Stratifies. Equipment for the continuous production of panels of synthetic material. 3,841,811, 10-15-74, Cl. 425-115.000.

Peilstocker, Gunter: *See*—
Dietzel, Karl; Peilstocker, Gunter; Meyer, Karl-Heinrich; and Streib, Hugo, 3,821,071.
Muller, Peter Rolf; and Peilstocker, Gunter, 3,817,907.
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Hahn, Alan S., and Jordan, Harold O. W., 3,794,756.

Peippo, Emil. Fish decoy. 3,818,626, 6-25-74, Cl. 43-42.040.

Peiree, C. Condit: *See*—
Reid, Walter L., Jr.; Peiree, C. Condit; and Pelletier, Raymond G., 3,851,367.

Peironet, Pierre R.: *See*—
Delphin, Pierre P.; and Peironet, Pierre R., 3,789,335.

Peirpoint, Edward Keith: *See*—
Gibbon, Robert Muir; and Peirpoint, Edward Keith, 3,846,506.

Peis, Gunter. Device for cleaning soles of shoes. 3,811,207, 5-21-74, Cl. 36-2.5al.

Peiser, Alfred M.; and De Pasquale, Matthew J., to Mobil Oil Corporation. Distilling a crude oil. 3,819,511, 6-25-74, Cl. 208-353.000.

Peiser, Alfred M.; Antal, Michael J.; and Weiss, Gustave J., to Mobil Oil Corporation. Catalytic hydrodesulfurization process. 3,850,743, 11-26-74, Cl. 208-209.000.

Peisker, Glenn W.: *See*—
Heyn, William O.; and Peisker, Glenn W., 3,790,180.

Peisner, Israel D.: *See*—
Blunden, Donald J.; and Peisner, Israel D., 3,844,228.
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Peit, Joseph G.: *See*—
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Peiters, Leon Andre, to Image Analysing Computers Limited. Information selection in image analysis systems employing line scanning. 3,832,485, 8-27-74, Cl. 178-6.800.

Peka-Fahrzeugbau Eberhardt KG: *See*—
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Pekar, Frank J., Jr.: *See*—
Pelizzoni, Winton J.; Greathouse, Jack F.; Pekar, Frank J., Jr.; and Gibson, Richard R., 3,786,792.

Pekarek, William R., to Aluminum Company of America. Clip and hanger structure for buildings. 3,809,347, 5-7-74, Cl. 248-48.100.

Pekau, Dietlind, to Siemens Aktiengesellschaft. Method for determining the speed of a vehicle. 3,790,926, 2-5-74, Cl. 340-3.00r.

Pekau, Dietlind, to Siemens Aktiengesellschaft. Method for the production of highly-resolved sonar pictures. 3,805,222, 4-16-74, Cl. 340-3.00r.

Pekau, Dietlind; and Kiemle, Horst, to Siemens Aktiengesellschaft. Coupling device for optical wave guides. 3,809,455, 5-7-74, Cl. 350-96.0wg.

Pekau, Dietlind; and Diehl, Reiner, to Siemens Aktiengesellschaft. Process for recording acoustic, synthetic and microwave holograms. 3,818,427, 6-18-74, Cl. 340-5.00h.

Pekkarinen, Michael O., to Baxter Laboratories, Inc. Disposabe humidifier. 3,834,385, 9-10-74, Cl. 128-194.000.

Pekosh, Raymond J.: *See*—
Park, Yong S.; and Pekosh, Raymond J., 3,841,875.

Pekrul Ewald, to Westinghouse Bremsen- und Apparatebau GmbH. Double acting fluid pressure operable cylinder device. 3,805,672, 4-23-74, Cl. 91-396.000.

Pekrul, Ewald, to Westinghouse Bremsen- und Apparatebau GmbH. Two pipe truck trailer brake system with means for applying front and rear trailer brakes upon pull-in-two. 3,832,016, 8-27-74, Cl. 303-40.090.

Pekrul, Ronald G., and Stegmaier, Louis T., to General Electric Company. Manually operated rotary switch and combination load contact-fuse clip therefor. 3,840,717, 10-8-74, Cl. 200-284.000.

Pelabon, Andre E., to ANF-Frangeco, S.A. Safety cut-off system for a circuit supplied by two alternators. 3,831,036, 8-20-74, Cl. 307-64.000.

Pelabon, Andre E., to ANF Frangeco S.A. Protection system for turbo-generator starters. 3,842,290, 10-15-74, Cl. 307-116.000.

Pelabon, Andre E., to ANF Frangeco S.A. Air intake system. 3,850,229, 11-26-74, Cl. 165-44.000

Pelabon, Andre E., to ANF-Frangeco S.A. Railway car fuel tank assembly. 3,854,416, 12-17-74, Cl. 105-1.00a.

Pelam, Inc.: *See*—
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McCormick, James B.; and Ohba, Shunjiro, 3,790,042.
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Pelanz, Herbert M., to Allis-Chalmers Corporation. Gas insulated high voltage electrical transmission line with means for damping transients. 3,829,707, 8-13-74, Cl. 307-147.000.

Pelat, Patrice, to International Vibration Engineering and Avions Marcel Dassault. Recoil absorber. 3,783,738, 1-8-74, Cl. 89-44.00r.

Pelenc, Yves; and Bernard, Georges. Magnetic blast alternating current circuit interrupter comprising a rectifying arc extinction circuit. 3,823,341, 7-9-74, Cl. 317-11.00a.

Pelet, Pierre A.; Bouyssounouse, Bernard, and Hass, Fritz, to PST Company. Sign forming apparatus, method and die for use therein. 3,826,167, 7-30-74, Cl. 83-171.000.

Peletz, Harold. Means for forming structures of complex configuration. 3,844,073, 10-29-74, Cl. 52-20.000

Pelezo, Chris A.: *See*—
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Peli-Can, Inc.: *See*—
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Pelin, Charles. Dashboard-mounted automatic route information display device. 3,832,909, 9-3-74, Cl. 74-12.000.

Pelino, William M., to Railtorn Corporation. Indicator for overheated bearings. 3,790,777, 2-5-74, Cl. 246-109.00a.

Pelizzoni, Winton J.; Greathouse, Jack F., Pekar, Frank J., Jr., and Gibson, Richard R., to Mack Trucks, Inc. Variable valve timing system. 3,786,792, 1-22-74, Cl. 123-97.00b.

Pelje, Richard: *See*—
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Pelka, Walter. *See*—
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Hafer, Karl-Heinz; Pelka, Walter, Karkutt, Reimund, and Frenyo, Pal, 3,782,777.

Pellegrini, Giovanni: *See*—
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Peller, Henry A., to General Motors Corporation. Steerable tandem axle suspension. 3,831,961, 8-27-74, Cl. 280-81.00a.

Pellerano, Giuseppe: *See*—
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Pellerin, Daniel: *See*—
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Pellerin, Jacques P. M.: *See*—
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Pelletier, Guy, to Rockland Industries Ltd. Replacement tread band for retreading a worn tire. 3,783,924, 1-8-74, Cl. 152-330.000.

Pelletier, Raymond G.: *See*—
Reid, Walter L., Jr.; Peiree, C. Condit; and Pelletier, Raymond G., 3,851,367.

Pelletier, Simon, to Dionite Luggage Inc. Soft sided hand luggage. 3,812,939, 5-28-74, Cl. 190-49.000.

Pellett, Fred G., Richards, Raymond S.; Rough, Robert R.; St. John, Douglas F.; and Wengert, Paul R., to Owens-Illinois, Inc. Method for rapidly melting and refining glass. 3,819,350, 6-25-74, Cl. 65-134.000.

Pellico, Michael A., to Denton Industries, Inc. Settable dental compositions. 3,837,865, 9-24-74, Cl. 106-35.000.

Pellinat, Werner Karl, to International Business Machines Corporation. Method and apparatus for controlling a continuous casting machine. 3,817,311, 6-18-74, Cl. 164-4.000.

Pellman, Ronald C., to American Standard Products, Inc., mesne. Mechanism for seat adjustment. 3,793,901, 2-26-74, Cl. 74-531.000.

Pelloux-Gervais, Pierre, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes George Claude. Coupling device for transfer conduit for a cryogenic liquid. 3,845,974, 11-5-74, Cl. 285-47.000.

Pelly, Brian R.: *See—*
Clemente, Stefano; and Pelly, Brian R., 3,815,002.
Gyugyi, Laszlo; Pelly, Brian R.; and Stacey, Eric J., 3,818,315.
Macko, Joseph E.; Pelly, Brian R.; and Rosa, John, 3,840,799.

Pelly, Brian R., to Westinghouse Electric Corporation. Active filter for the input harmonic current of static power converters. 3,825,814, 7-23-74, Cl. 321-9.00a.

Pelly, Charles W.: *See—*
Purcell, William F. H.; Conner, James M.; and Pelly, Charles W., 3,802,530.

Pelmulder, John P.; Meister, Cornelius; and Monroe, Darrell W., to FMC Corporation. Method of filtering liquids. 3,788,470, 1-29-74, Cl. 210-78.000.

Pelofsky, Arnold H.; Felix, Dan T.; and Herbert, Gary N. Sonic energy exhaust filter. 3,825,480, 7-23-74, Cl. 204-193.000.

Pelorex Corporation: *See—*
Rait, Joseph M.; Gilmour, Alexander Scott, Jr.; and Sellers, Edward C., 3,804,511.
Riesenberg, James H.; and Rait, Joseph M., 3,783,576.

Peloschek, Hans Peter: *See—*
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Pelosi, Michael H., Jr.: *See—*
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Pelouch, James J. Vehicle lift. 3,837,435, 9-24-74, Cl. 187-8.720.

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Pelster, Gerd; Wurtz, Volkmar; and Feess, Erich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for printing and pad dyeing polyamide fabrous materials. 3,816,067, 6-11-74, Cl. 8-54.000.

Pelsue, T. A., Company: *See—*
Beavers, Allan E., 3,810,482.

Pelta, Edmond R.; and Gold, Kenneth Stewart, to Autoscan, Inc. System for testing the ignition of an internal combustion engine. 3,798,965, 3-26-74, Cl. 73-117.300.

Pelta, Edmond R., to Autoscan, Inc. Chassis dynamometer. 3,832,894, 9-3-74, Cl. 73-117.000.

Pelte, Richard: *See—*
Mayr, Helmut; Pelte, Richard; and Huber, Theodor, 3,799,661.
Mayr, Helmut; Pelte, Richard; and Huber, Theodor, 3,815,984.
Winkler, Alfred; Pelte, Richard; Huber, Theodor; and Mayr, Helmut, 3,784,292.

Pelte, Richard; Huber, Theo; and Mayr, Helmut, to Agfa-Gevaert Aktiengesellschaft. Fade-in and fade-out arrangement for movie cameras. 3,801,194, 4-2-74, Cl. 352-91.000.

Pelteson, Frank M.: *See—*
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Peltier, Guy: *See—*
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Pelto, Clarence H. Rail or truss stairway. 3,834,491, 9-10-74, Cl. 182-106.000.

Pelto, Eino W. Magnetic pin lock. 3,837,195, 9-24-74, Cl. 70-276.000.

Pelton & Crane Company: *See—*
Leffler, Dennis F., 3,829,159.
Leffler, Dennis Frank, 3,804,460.
Leffler, Dennis Frank, 3,834,660.
Leffler, Dennis Frank, 3,853,350.

Pelton, Charles R., to Pelton Company, Inc., The. Servo hydraulic vibrator with phase error correction. 3,854,118, 12-10-74, Cl. 340-17.000.

Pelton Company, Inc., The: *See—*
Pelton, Charles R., 3,854,118.

Pelton, John Franklin, to Union Carbide Corporation. Chromium-chromium carbide powder and article made therefrom. 3,846,084, 11-5-74, Cl. 29-191.200.

Peltonen, Lahja Arvid, to Valmet Oy. Lifting carriage on a carrier. 3,791,543, 2-12-74, Cl. 214-730.000.

Peltonen, Lahja Arvid, to Valmet Oy. Lateral container grabber having carrying pins at the upper corners of the containers. 3,809,270, 5-7-74, Cl. 214-621.000.

Peltonen, Lahja Arvid, to Valmet Oy. Lateral container grabber having carrying pins at the lower corners of the container. 3,817,414, 6-18-74, Cl. 214-621.000.

Pelts, Cecil A. Fluid actuated jacking frame. 3,784,029, 1-8-74, Cl. 212-14.000.

Peltz, Guenter, to ITT Industries, Inc. Ignition circuit for lamps. 3,818,268, 6-18-74, Cl. 315-244.000.

Peltz, Gunter, to ITT Industries Inc. Electronic musical instrument with plural RC circuits for decay. 3,816,636, 6-11-74, Cl. 84-1.100.

Peltz, Hanns-Heinz, to Siemens Aktiengesellschaft. Method of contacting a semiconductor body having a plurality of electrodes utilizing sheet metal electric leads. 3,795,044, 3-5-74, Cl. 29-591.000.

Peltz, Hanns-Heinz. Method of contacting a semiconductor body having a plurality of electrodes utilizing sheet metal electric leads. 3,851,383, 12-3-74, Cl. 29-591.000.

Peltz, John R.; and Szeverenyi, Nikolaus A., to GTE Sylvania Incorporated. Fluid level sensor. 3,786,463, 1-15-74, Cl. 340-244.00r.

Peltzer & Ehlers: *See—*
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Koch, Friedrich-Karl; and Rahn, Oskar, 3,820,376.

Peluchiwski, John J.; and Walstad, Dennis C., to Furnas Electric Company. Electrical circuit controller. 3,792,402, 2-12-74, Cl. 337-59.000.

Pelz, Alfred; and Jilek, Franz, to Osterreichische Stickstoffwerke Aktiengesellschaft. Additive composition. 3,824,110, 7-16-74, Cl. 106-284.000.

Pelz, Lothar: *See—*
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Pelzel, Erich. Zinc-aluminum alloy. 3,785,811, 1-15-74, Cl. 75-178.00a.

Pelzel, Erich, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Alloy on aluminum-zinc-basis. 3,790,373, 2-5-74, Cl. 75-146.000.

Pelzig, Josef. Polyvinyl acetate [dextrin] C_3 to $C_n$polyhydric alcohols material for novelty items and arts and crafts applications. 3,853,797, 12-10-74, Cl. 260-17.4st.

Pemberton, Denis: *See—*
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Pemberton, Denver L., to Anaconda Company, The, mesne. Method of making compact conductor. 3,823,542, 7-16-74, Cl. 57-161.000.

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Pemberton, J. C. Hydraulically controlled non-slip differential. 3,835,730, 9-17-74, Cl. 74-650.000.

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Pemberton, Troy J., to Phillips Petroleum Company. Simplified procedure for tuning pid controllers. 3,826,887, 7-30-74, Cl. 219-497.000.

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Penaloza, Arturo Casterjon; and Datshkovsky, Jose; deceased (by Datshkovsky, Raisa Bardach; legal representative). Film forwarding mechanism. 3,819,098, 6-25-74, Cl. 226-85.000.

Penaloza, Arturo Castrejon. Cinematographic system. 3,823,517, 7-16-74, Cl. 52-6.000.

Penberthy, Harvey Larry. Safety helmet. 3,797,039, 3-19-74, Cl. 2-3.00r.

Penberthy, Harvey Larry. Gasoline stove. 3,829,278, 8-13-74, Cl. 431-227.000.

Penberthy, Walter L., Jr.: *See—*
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Pendergast, Lewis A.; and Sorensen, Charles K. Over the shoulder garment carrier bag with hanger hook shield. 3,831,740, 8-27-74, Cl. 206-7.00k.

Pendergrast, Robert A., to United States Steel Corporation. Method of fertilization with slow release phosphate particles. 3,839,007, 10-1r74, Cl. 71-41.000.

Pendlebury, David: *See—*
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Pendleton, Frank P., to Vac-U-Max. Apparatus for classification of particulate materials. 3,804,245, 4-16-74, Cl. 209-240.000.

Pendleton, Kenneth L., to Universal Sales Engineering, Inc. Adaptive fixture for leak testing of containers. 3,813,923, 6-4-74, Cl. 73-49.200.

Pendleton Tool Industries, Inc.: *See—*
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Pendleton, Wesley William; and Thompson, Robert Clifton, to Anaconda Wire and Cable Company. Wire insulation testing apparatus with means indicating insulation faults per predetermined incremental length. 3,823,370, 7-9-74, Cl. 324-54.000.

Pendlington, Sidney: *See—*
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Pendrak, Johnny M., to Westinghouse Electric Corporation. Remote transformer monitoring system. 3,821,605, 6-28-74, Cl. 317-14.00r.

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Peng, John. Convertible modular furniture-luggage units. 3,841,727, 10-15-74, Cl. 312-111.000.

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Pengilly, Eric Alexander: *See—*
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Penhollow, Bert G. H.: *See—*
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Penicaud, Etienne, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Conversation detector for a telephonic channel concentrator. 3,825,694, 7-23-74, Cl. 179-15.0as.

Penick & Ford, Limited: *See—*
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Penick, Ib, to Simpro Corporation of America. Hammer-driven shutter and percussion ignition system. 3,785,260, 1-15-74, Cl. 95-11.50r.

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Penley, Wiley F. Cultivating assembly. 3,807,506, 4-30-74, Cl. 172-42.000.

Penman, Melvin C. Fish cleaning device and method for filleting. 3,820,196, 6-28-74, Cl. 17-46.000.

Penn Corporation: *See—*
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Penn, John R.: *See—*
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Penn, Lloyd D.: *See—*
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Penn, Paul E.; and Waymire, John, to Dart Controls, Inc. Trash masher motor control. 3,812,408, 5-21-74, Cl. 318-282.000.

Penn, William H.; and Eicher, Gerald J., to National Union Electric Corporation. Retractable electric cord reel. 3,826,879, 7-30-74, Cl. 191-12.400.

Penn-Olin Chemical Company: *See—*
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Pennar, Leonard J. Means for moving a television screen. 3,813,491, 5-28-74, Cl. 178-7.810.

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Pennau, Karl L., to Kimberly-Clark Corporation. Fastening tape arrangement for disposable diapers. 3,848,596, 11-19-74, Cl. 128-284.000.

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Pennella, Filippo; and Rycheck, Mark R., to Phillips Petroleum Company. Olefin isomerization and/or hydrogenation through ruthenium hydride complex-catalized processes. 3,793,257, 2-19-74, Cl. 260-683.200.

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Penniman, Robert; and Snelling, Richard A., to Barreca Products Co. Mounting rack for skis or the like. 3,836,058, 9-17-74, Cl. 224-42.10f.

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Pennington, Marion G. Intravenous solution dispenser. 3,822,708, 7-9-74, Cl. 128-214.00e.

Pennington, Rohe V. Steam drying device for paper making machine. 3,850,792, 11-26-74, Cl. 162-290.000.

Pennington, Rohe Vester, to Improved Machinery Inc. Continuous digester with pressure relief outlet valve cycling. 3,795,577, 3-5-74, Cl. 162-237.000.

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Penny, Robert Elton, to International Business Machines Corporation. Photosensitive document detector with automatic compensation. 3,789,215, 1-29-74, Cl. 250-206.000.
Penny, Robert Noel; Parker, Peter Harry; and Silverstone, Calvin Eric, to British Leyland Truck and Bus Division Limited. Gas turbine rotors. 3,824,036, 7-16-74, Cl. 416-95.000.
Penny, Robert Noel. Rotary regenerative heat exchanger. 3,834,450, 9-10-74, Cl. 165-8.000.
Penny, Robert Noel. Composite elongate member having a predetermined effective coefficient of linear expansion. 3,854,843, 12-17-74, Cl. 415-197.000.
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Penote, Vincent S.; and Rear, Melvin K., to Cleveland Trencher Company, The. Plow assembly for excavating machine. 3,783,537, 1-8-74, Cl. 37-94.000.
Penque, Ronald A., to Biocel Corporation. Making of useful products from cellulose-containing garbage. 3,850,771, 11-26-74, Cl. 264-176.000.
Penrose, Richard T.; and Thompson, John R., to General Electric Company. Nuclear fuel element. 3,804,709, 4-16-74, Cl. 176-78.000.
Pensabene, Saverio F., to General Electric Company. Nickel electrode cell with improved high temperature charge acceptance. 3,826,684, 7-30-74, Cl. 136-28.000.
Pensabene, Sylvia, to Lee, Raymond, Organization, Inc., The. Pocket size cosmetic device. 3,802,444, 4-9-74, Cl. 132-79.00e.
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Pentel, Jerry: *See*—
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Awazi, Yosiharu; and Yamada, Norio, 3,830,547
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Penton, Ross Langlands, to Aspro-Nicholas Limited. Method for imparting anti-depressant and/or anti-anxiety effects to animals. 3,806,596, 4-23-74, Cl. 424-254.000.
Pentron Industries, Inc.: *See*—
Sampey, Harry R., 3,796,864.
Sampey, Harry R., 3,809,864
Sampey, Harry R., 3,846,701.
Pentz, Howard L.; Parkhani, Chandrakant, and Majeron, Frank, to EMC Corporation. Sludge removal apparatus. 3,797,664, 3-19-74, Cl. 210-83.000.
Pentz, Howard L.; Parkhani, Chandrakant, and Majeron, Frank, to EMC Corporation. Method and apparatus for removing solids. 3,807,560, 4-30-74, Cl. 210-83.000.
Penumo Dynamics Corporation. *See*—
Maurer, James Herbert, 3,811,958.
Penwarden, Kent A., to E-Systems, Inc. Vehicle locator system. 3,783,445, 1-1-74, Cl. 340-24.000.
Penyak, Joseph J., to Boeing Company, The. Method of sealing the tip end of a helicopter rotor blade spar. 3,798,102, 3-19-74, Cl. 156-214.000.
Penzel, Herbert W. Device for simulating knot in necktie or the like. 3,825,955, 7-30-74, Cl. 2-150.000.
Penzien, Klaus: *See*—
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Penzl, Remhold: *See*—
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Peoples, Charles Frederick. Closed circuit domestic sewage treating method. 3,821,107, 6-28-74, Cl. 210-12.000.
Peoples, John R., to United States of America, Navy. Rotating fin. 3,790,103, 2-5-74, Cl. 244-3.230.

Peoples, Richard A., to Bethlehem Steel Corporation. Apparatus for treating a flux coating. 3,788,272, 1-29-74, Cl. 118-47.000.
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Pepe, Anthony Enrico, to Stauffer Chemical Company. Curable organ opolysiloxanes. 3,825,618, 7-23-74, Cl. 260-827.000.
Pepe, Anthony Enrico, to Stauffer Chemical Company, mesne. Self-extinguishing organopolysiloxane composition. 3,838,089, 9-24-74, Cl. 260-33.8sb.
Pepe, Charles R. Pile hammers. 3,838,741, 10-1-74, Cl. 173-115.000.
Pepe, David L.; Palm, Theodore O.; and Johnson, Frank B., to Davis Electric Company. Stock snagging mechanism for continuous winding machine. 3,841,575, 10-15-74, Cl. 242-25.00a.
Pepenko, Vladimir Danilovich: *See*—
Popov, Alexei Ivanovich; Pepenko, Vladimir Danilovich; Goldring, Grigory Mikhailovich; Kashket, Vladimir Ovseevich, Sedov, Nikolai Ivanovich; Kovalenko, Boris Petrovich; Kulikov, Boris Petrovich; and Fedyanin, Boris Ivanovich, 3,802,485.
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Pepin, Normand, Camping and barbecue stoves. 3,802,413, 4-9-74, Cl. 126-25.000.
Pepin, Theodore John, to United States of America, Navy. Temperature sonde. 3,805,256, 4-16-74, Cl. 340-208.000.
Pepkowski, Michael Paul, and Houle, Guy Jean. Chess game device. 3,851,885, 12-3-74, Cl. 273-136.00b.
Pepmeier, Carl R.; and Burks, David C., to FMC Corporation. Film unwinding method. 3,822,043, 7-2-74, Cl. 242-55.000.
Pepmeier, Carl R., to FMC Corporation. Packaging method. 3,838,549, 10-1-74, Cl. 53-14.000.
Pepmeier, Carl R., to FMC Corporation. Packaging apparatus. 3,844,090, 10-29-74, Cl. 53-180.000.
Pepmeier, Carl R., and Lowe, Edward G., to FMC Corporation. Wrapping apparatus. 3,849,972, 11-26-74, Cl. 53-329.000.
Peppard, Donald F.: *See*—
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Pepper, Lloyd J., to Cambridge Thermionic Corporation. Trimming apparatus for magnetic suspension systems. 3,791,704, 2-12-74, Cl. 308-10.000.
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Peppler, William S., to Diamond International Corporation. Molding apparatus for producing deckle-free edges and windows in molded fiber products. 3,816,049, 6-11-74, Cl. 425-324.000.
Peprah, Ignatius K.: *See*—
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PEPRO, Societe pour le Developpement et la Vente de Specialities Chimiques: *See*—
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Pera, Luigi, to Organisation Europeenne de Recherches Spatiales. Anti phase-ambiguity for phase-shift keying binary transmission systems. 3,826,990, 7-30-74, Cl. 329-50.000.
Pera, Warren K., to Bell Fold-a-Bike, Inc. Folding bicycle. 3,791,672, 2-12-74, Cl. 280-287.000.
Pere, Jean-Claude. Reeling device. 3,822,842, 7-9-74, Cl. 242-129.720.
Pereali, Tullio. *See*—
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Perdue, Richard Russell, to Grace, W. R., & Company. Apparatus for producing vacuum skin packages in multiples. 3,835,618, 9-17-74, Cl. 53-112.00a.
Perdue, Roy D., and Cohn, Morris L., deceased (by Rosenberg, Elliot E.; executor), said Purdue assor. to Mica Trust. Method of making paper using a pigment comprising calcium sulfate particles embedded in silica gel particles. 3,783,096, 1-1-74, Cl. 162-181.00a
Pere, Gerard, to Creusot-Loire. Supports for large diameter drums and drive means to rotate the drums. 3,818,777, 6-25-74, Cl. 74-410.000
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Pere, Gerard, to Creusot-Loire. Oscillatable pinion. 3,827,311, 8-6-74, Cl. 74-410.000
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Pereau, Robert L., to Smith International, Inc. Drilling apparatus. 3,826,317, 7-30-74, Cl. 175-162.000.
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Pereda, Eugene F. Slot antenna apparatus for measuring the detonation of an explosive material. 3,852,994, 12-10-74, Cl. 73-35.000.
Perego, Giuseppe. Folding baby carriage which can be carried on the arm. 3,796,439, 3-12-74, Cl. 280-36.00r
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Perelmutr, Alexandr Semenovich; Berlin, Alexandr Zinovievich, Gorlin, Igor Konstantinovich, and Traxler, Alexandr Gustavovich. Evaporator for liquid anesthetics. 3,836,129, 9-17-74, Cl. 261-47.000.
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Pereman, Gordon F., to PPG Industries, Inc. Glass cutting device. 3,797,340, 3-19-74, Cl. 83-12.000.

Peres, Anthony R., to Peres Electronic Machinery, Inc. Film processor. 3,792,487, 2-12-74, Cl. 354-299.000.

Peres, Anthony R., to Peres Electronic Machinery, Inc. Method for automatically opening and emptying containers into a blending tank. 3,853,620, 12-10-74, Cl. 134-6.000.

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Peretti, Enrico; and Kramer, Piet, to U.S. Philips Corporation. Electric incandescent lamp for serial connection, provided with a short-circuit mechanism acting as a fuse at the same time. 3,794,880, 2-26-74, Cl. 315-47.000.

Perey Manufacturing Co., Inc.: *See*—
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Perez, Jean, to Automobiles Peugeot and Regie Nationale des Usines Renault. Fuel feed devices for gas-operated internal combustion engines. 3,822,687, 7-9-74, Cl. 123-198.0db.

Perez, Jean Jacques: *See*—
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Perez, John L., to Dunham-Bush, Inc. Replaceable defrost heater for fin and tube evaporator and spring retaining clip for same. 3,783,635, 1-8-74, Cl. 62-276.000.

Perez, John M., to Lockheed Missiles & Space Company, Inc. Xerographic reproportioning method and apparatus. 3,799,667, 3-26-74, Cl. 355-3.000.

Perez, Manuel, to Aerosols Control Corporation. Gas scrubber. 3,856,487, 12-24-74, Cl. 55-223.000.

Perez-Mendez, Victor, to University of California, The Regents of the. Radiation camera and delay line readout. 3,842,373, 10-15-74, Cl. 333-31.00r.

Perfect Equipment Corporation: *See*—
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Pergament, Henry. Anti-skid traction devices. 3,782,439, 1-1-74, Cl. 152-218.000.

Pergande, Wilfried: *See*—
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Perger, Julius M., to General Motors Corporation. Mudflap and rock ejector combination for a rear dump vehicle. 3,788,668, 1-29-74, Cl. 280-154.50r.

Perger, Julius M., to General Motors Corporation. Method of forming stiffener ribs in a sheet metal panel. 3,848,323, 11-19-74, Cl. 29-475.000.

Perger, Julius M., to General Motors Corporation. Method of forming a sheet metal door. 3,848,324, 11-19-74, Cl. 29-475.000.

Pergrale, Jean: *See*—
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Perham, James A.; and Hill, Bernard N., to Sioux Tools Inc. Overspeed indicator for a rotatable shaft. 3,807,348, 4-30-74, Cl. 116-74.000.

Perham, Roscoe E., to United States of America, Army. Quick-acting, self-resetting fluid pressure release valve assembly. 3,826,280, 7-30-74, Cl. 137-624.140.

Peri, Cesare Augusto; Fontani, Spartaco; and Ladavas, Franco, to Montecatini Edison S.p.A. Process for preparing organic diperoxides. 3,787,504, 1-22-74, Cl. 260-610.00r.

Periat, Douglas Marion; and Oster, David Lawrence, to Johns-Manville Corporation. Apparatus for heating a glass fiber forming spinner. 3,841,854, 10-15-74, Cl. 65-12.000.

Perignon, Philippe, to Eastman Kodak Company. High speed silver chloroiodide emulsions. 3,784,381, 1-8-74, Cl. 96-94.000.

Perilhou, Jean Robert; and Auphan, Michel Joseph, to U.S. Philips Corporation. Oven. 3,812,597, 5-28-74, Cl. 34-105.000.

Perilstein, Warren L., to Ethyl Corporation. Gasoline compositions. 3,817,721, 6-18-74, Cl. 44-69.000.

Periman, Rubie E. Fishing rod beeper. 3,835,462, 9-10-74, Cl. 340-279.000.

Perin Products Corporation: *See*—
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Perina, Joseph, to American Velcro, Inc. Room structure and panel assembly. 3,807,112, 4-30-74, Cl. 52-241.000.

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Peripheral Systems Corporation: *See*—
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Peripherals General, Inc.: *See*—
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Perisse, Jean Maurice Francois: *See*—
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Perisse, Pierre; Perisse, Jean Maurice Francois; and Chancholle, Andre Robert, 3,856,018.

Perisse, Pierre; Perisse, Jean Maurice Francois; and Chancholle, Andre Robert. Apparatus for ligating sectioned blood vessels. 3,856,017, 12-24-74, Cl. 128-326.000.

Perisse, Pierre; Perisse, Jean Maurice Francois; and Chancholle, Andre Robert. Process for ligating sectioned blood vessels. 3,856,018, 12-24-74, Cl. 128-326.000.

Peritech International Corporation: *See*—
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Peritt, Harvey L.: *See*—
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Chamran, Morteza, 3,790,819.
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Crewe, Albert V., 3,783,281.
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Perkins, Brooks S., Incorporated: *See*—
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Perkins, Carroll R.; and Lucks, Irwin A., to Solitron Devices Inc. Electronic hybrid package. 3,784,725, 1-8-74, Cl. 174-52.00r.

Perkins, Charles H., to Robertshaw Controls Company. Pneumatic control system and method of operating the same or the like. 3,794,060, 2-26-74, Cl. 137-14.000.

Perkins, Dale M. Electrical locking alarm system. 3,813,663, 5-28-74, Cl. 340-274.000.

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Perkins, Don V., to Uniroyal, Inc. Cure of rubber with trihaloisocyanuric acid. 3,843,487, 10-22-74, Cl. 156-334.000.

Perkins, Earl Stuart. Self-cleaning filter for hydrological regeneration. 3,854,291, 12-17-74, Cl. 61-2.000.

Perkins Engines Limited: *See*—
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Perkins, Garry R.; and Goode, James K., Jr., to Spotnails, Inc. Fastener-drive tool. 3,797,723, 3-19-74, Cl. 227-109.000.

Perkins, Garry R., to Spotnails, Inc. Fastener-driving tool with sound deadening features. 3,807,281, 4-30-74, Cl. 91-418.000.

Perkins, Garry R., to Spotnails, Inc. Fasteners and method of manufacture thereof. 3,813,985, 6-4-74, Cl. 85-49.000.

Perkins, Garry R., to Spotnails, Inc. Coiled strip of collated fasteners. 3,828,924, 8-13-74, Cl. 206-343.000.

Perkins, Garry R., to Spotnails, Inc. Self-clearing nose section for a powered fastener-driving tool. 3,853,257, 12-10-74, Cl. 227-123.000.

Perkins, Gary. Device simultaneously displaying positions of both sides of an endless belt. 3,798,809, 3-26-74, Cl. 40-43.000.

Perkins, Geoffrey R.: *See*—
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Perkins, Gerard T., to Parker-Hannifin Corporation. Filter with condition indicator. 3,794,168, 2-26-74, Cl. 210-90.000.

Perkins, Glen E. Pavement grooving process and apparatus. 3,801,211, 4-2-74, Cl. 404-75.000.

Perkins, Glen E. Method and apparatus for restoring concrete road surfaces. 3,844,670, 10-29-74, Cl. 404-104.000.

Perkins, James F.: *See*—
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Perkins, Jerry K.: *See*—
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Perkins, John L. Fish hook to fish pole retainer. 3,815,273, 6-11-74, Cl. 43-25.200.

Perkins, Joseph K.: *See*—
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Perkins, Joseph R., III, to AMF Incorporated. Automatic grader. 3,782,544, 1-1-74, Cl. 209-111.600.

Perkins, Joseph R., III, to AMF Incorporated. Automatic grader for sorting objects according to brightness and color tones. 3,854,586, 12-17-74, Cl. 209-111.600.

Perkins, Lee E. Jarring accelerator. 3,834,472, 9-10-74, Cl. 175-321.000.

Perkins Marine Lamp and Hardware Corporation: *See*—
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Perkins, Marvin S., to Perkins Marine Lamp and Hardware Corporation. Marine hardware. 3,828,714, 8-13-74, Cl. 114-218.000.

Perkins, N. Kenneth: *See*—
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Perkins, Norman W., to Ford Motor Company. Seat recline mechanism. 3,788,698, 1-29-74, Cl. 297-373.000.

Perkins, Richard E., to GTE Sylvania Incorporated. Method of segregating temperature responsive circuit brakes according to their opening temperature. 3,810,541, 5-14-74, Cl. 209-81.00r.

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Perkins, Thomas K., to Atlantic Richfield Company. Well drilling, completion and production in permafrost. 3,818,992, 6-25-74, Cl. 166-305.000.

Perkins, Thomas K., to Atlantic Richfield Company. Method of well completion in permafrost. 3,830,303, 8-20-74, Cl. 166-297.000.

Perkins, Thomas K., to Atlantic Richfield Company. Method of well production in permafrost. 3,830,305, 8-20-74, Cl. 166-314.000.

Perkins, Thomas K., to Atlantic Richfield Company. Well drilling in permafrost. 3,830,317, 8-20-74, Cl. 175-72.000.

Perkins, Warren Edwin; and Marchese, Michael Anthony, to Union Carbide Corporation. Phase-separating spray header. 3,845,635, 11-5-74, Cl. 62-51.000.

Perkins, William C.: *See*—
Wadsworth, Donald H.; and Perkins, William C., 3,849,144.

Perkins, William L. Garden tool. 3,841,414, 10-15-74, Cl. 172-371.000.

Perkinson, Leon R.: *See*—
Moore, Francis C.; and Perkinson, Leon R., 3,857,677.

Perklev, Torsten: *See*—
Hogberg, Bertil; Fex, Hans; Perklev, Torsten; Veige, Sten; and Fredholm, Bo. 3,851,019.

Perkow, Werner, to Norddeutsche Affinerie and Spiess, C. F., & Sohn. Method for killing moss. 3,846,114, 11-5-74, Cl. 71-97.000.

Perkut, Branko: *See*—
Hallman, Hermann; and Perkut, Branko. 3,855,827.

Perl, Richard L., to Tappan Company, The. Gas igniter. 3,842,319, 10-15-74, Cl. 317-98.000.

Perlamn, Morris, to Carbide Form Grinding Inc. Slide fasteners gapping machine. 3,831,474, 8-27-74, Cl. 83-143.000.

Perlberg, Jack, 20% interest to Lee, Raymond, Organization Inc., The. Safety vehicle bumper. 3,787,083, 1-22-74, Cl. 293-88.000.

Perlman, I. Lee, to Technicon Instruments Corporation. Apparatus for treatment of solids for analysis. 3,851,826, 12-3-74, Cl. 241-46.110.

Perlman, Sheldon E.; and Ion, John C., to Teleflex Incorporated. Apparatus for assembling roller bearing remote control cables. 3,831,249, 8-27-74, Cl. 29-201.00r.

Perloff, David S.; Kerr, John T.; and Marley, James A., 1/2 interest to Corning Glass Works and 1/2 interest to Signetics Corporation. Ion implanted resistor and method. 3,829,890, 8-13-74, Cl. 357-91.000.

Perloff, Ronald S., to Electron Inc. Machine work sensor. 3,846,688, 11-5-74, Cl. 318-490.000.

Perlowski, Andrew A.; Wallace, Robert H.; and Magers, Robert L., to Honeywell Inc. Matrix shifter. 3,818,203, 6-18-74, Cl. 235-164.000.

Perlus, Tibor G.; and Soroka, Walter G., to Canadian Wood Council. Fire-retardant treatment of wood laminae. 3,840,388, 10-8-74, Cl. 117-59.000.

Perma Glas-Mesh Corporation: *See*—
Carpenter, Guy H.; and Ross, Ernest E., 3,788,271.

Perma Pack, Inc.: *See*—
Kott, Herbert, 3,800,207.

Perma-Blade, Inc.: *See*—
Bonney, John L. V., Jr., 3,828,638.
Hauke, Gary F., 3,823,437.

PermaCraft Corporation: *See*—
Kimball, Jerome Watis; and Kimball, Kenny Harrell. 3,852,014.

Permali, Incorporated: *See*—
Heighes, John, 3,839,133.
Hyde, George W., 3,827,689.

Permaloy Corporation: *See*—
Woods, Jack L., 3,857,766.

Permatank Engineering & Mfg. Co., Inc.: *See*—
Kinne, Frank E.; and Carmack, Phil D., 3,846,525.

Permutit Company, Inc., The: *See*—
Anderson, John R., 3,849,306.

Permutit Company, Inc., The, mesne: *See*—
Malkin, William J., 3,841,485.

Permutit Company, Inc., The, mesne (a Wholly owned subsidiary of Sybron Corporation): *See*—
Weiss, Charles O.; and Epstein, Arthur Charles, 3,839,199.

Permutit Company Limited, The: *See*—
Roubinek, Lubor; and Kressman, Theodore Roger Ernest. 3,792,029.

Perna, Aldo; and Valbonesi, Giuseppe, to Societa Italiana Telecomunicazioni Siemens S.p.A. Time division telephone switching exchange. 3,828,136, 8-6-74, Cl. 179-15.0bf.

Perna, Anthony. Hand cutting tool for gypsum plaster boards or the like. 3,791,014, 2-12-74, Cl. 29-294.000.

Perneski, Anthony John; and Smith, Robert McKee, to Bell Telephone Laboratories, Incorporated. Buffer memory employing interreaction between shift registers. 3,831,152, 8-20-74, Cl. 340-172.500.

Pernod S.A.: *See*—
Stute, Walter, 3,834,584.

Perolin Company, Inc., The: *See*—
Scott, James F., 3,817,722.

Peron, Roger J. Time division data transmission system. 3,784,752, 1-8-74, Cl. 179-15.0aq.

Peron, Roger J.; and Revel, Maurice J. Device for correction of synchronisation faults for a switchable data transmission network operating on a time-sharing basis. 3,830,980, 8-20-74, Cl. 179-15.0bs.

Peroni, Gary J. Model vehicle for erratic action. 3,785,085, 1-15-74, Cl. 46-206.000.

Peroni, George J., to Seatech Corporation. Body seal for underwater device. 3,789,788, 2-5-74, Cl. 114-16.00a.

Perot, Jean Baptiste Gilbert. Methods of detection of air, space or submarine targets by reflection of electromagnetic or acoustic waves. 3,803,603, 4-9-74, Cl. 343-7.00a.

Peroutky, Donald C.; and Stein, Charles R., to General Electric Company. Apparatus including random access positioning means. 3,841,747, 10-15-74, Cl. 353-27.000.

Peroxid-Chemie GmbH: *See*—
Edl, Wolfgang, 3,787,446.

Perper, Timothy P.: *See*—
McNamara, Thomas F.; and Perper, Timothy P., 3,836,396.

Perr, Julius P., to Cummins Engine Company, Inc. Fuel injector. 3,782,864, 1-1-74, Cl. 417-493.000.

Perr, Julius P.; and Muntean, George L., to Cummins Engine Company, Inc. Fuel injector. 3,831,846, 8-27-74, Cl. 239-89.000.

Perraudin, Claude, to Thomson-CSF. Safety system for target irradiating device. 3,845,310, 10-29-74, Cl. 250-385.000.

Perrault, Jean: *See*—
Forster, Daniel Emile; and Perrault, Jean. 3,783,383.
Forster, Daniel Emile; and Perrault, Jean. 3,828,346.

Perreault, Donald A., to Xerox Corporation and Teledyne Casting. Semi-encoded fascimile transmission. 3,847,732, 11-12-74, Cl. 178-6.000.

Perreault, Jules, to Bombardier Limited. Lubrication system for variable speed drive pulley. 3,794,142, 2-26-74, Cl. 184-6.500.

Perrella, Donald J.; and Dolfini, Joseph E., to Squibb, E. R., & Sons, Inc. Bis-cephalasporins. 3,825,536, 7-23-74, Cl. 260-243.00c.

Perrella, Guido, to DBM Industries Limited. Apparatus for treating a surface. 3,793,779, 2-26-74, Cl. 51-5.000.

Perret, Louis, III. Handlebar bicycle lock. 3,800,575, 4-2-74, Cl. 70-233.000.

Perret, Marcel Andre, to Rhodia, Inc. Synthetic egg composition. 3,806,608, 4-23-74, Cl. 426-175.000.

Perrey, Hermann; Rosenkranz, Hans Jurgen; Walter, Oskar; and Rudolph, Hans, to Bayer Aktiengesellschaft. Polyester-acrylurea thermosetting moulding compositions. 3,851,013, 11-26-74, Cl. 260-870.000.

Perri, Giulio Cesare: *See*—
Lembo, Sabino; Viterbo, Rene; Perri, Giulio Cesare; and Mastursi, Michele. 3,845,058.
Viterbo, Rene; Brancaccio, Giovanni; and Perri, Giulio Cesare. 3,838,123.
Viterbo, Rene; Mastursi, Michele; and Perri, Giulio Cesare. 3,852,296.

Perri, Giulio Cesare P-(2-(1-phenyl-3,5-dioxy-4-N-butyl)-pyrazolydinyl)phenylphosphoric acid, its organic and inorganic salts: *See*—
Viterbo, Rene; Larizza, Angelo; and Perri, Giulio Cesare P-(2-(1-phenyl-3,5-dioxy-4-N-butyl)-pyrazolydinyl)phenylphosphoric acid, its organic and inorganic salts. 3,803,166.

Perri, Joseph: *See*—
Mitchell, Nicholas C.; and Perri, Joseph. 3,807,967.

Perricone, Alphonse C.; Young, Homer F.; Bettge, George W.; and Enright, Dorothy P., to Milchem Incorporated. Process for the inhibition of swelling of shale in aqueous alkaline medium. 3,843,524, 10-22-74, Cl. 252-1.000.

Perrin, Duane O.; and Smegal, Julius G. Pipe coupling. 3,828,403, 8-13-74, Cl. 24-270.000.

Perrin, George S., to Plastic Research and Development Corporation. Drop spin fishing lure. 3,828,463, 8-13-74, Cl. 43-42.110.

Perrin, Robert L.: *See*—
Schwarzbach, Peter H.; and Perrin, Robert L., 3,789,708.

Perrin, Ronald, to St. Regis Paper Company. Gummed tape dispenser carton. 3,815,801, 6-11-74, Cl. 225-47.000.

Perrine, James J. Bilateral reciprical isokinetic exerciser. 3,784,194, 1-8-74, Cl. 272-79.00c.

Perrine, Walter E. Gun toggle mechanism with biasing means positioned in predetermined area on toggle to absorb shell explosive reactive forces. 3,783,739, 1-8-74, Cl. 89-189.000.

Perrine, Walter E. Silencer for gas discharging devices. 3,786,895, 1-22-74, Cl. 181-49.000.

Perrine, Walter E. Exercising apparatus. 3,817,243, 6-18-74, Cl. 128-57.000.

Perrino, Joseph. Wire stripper. 3,827,317, 8-6-74, Cl. 81-9.50b.

Perron, Robert R.; and Fowler, John T., to Little, Arthur D., Inc. Electronic lock system. 3,848,229, 11-12-74, Cl. 340-149.00a.

Perronnet, Jacques: *See*—
Bertin, Daniel; Perronnet, Jacques, and Teche, Andre. 3,785,800.
Bertin, Daniel, Perronnet, Jacques, and Teche, Andre. 3,808,235.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre. 3,811,863.
Bertin, Daniel; Perronnet, Jacques; and Teche, Andre. 3,819,722.

Perronnet, Jacques; and Girault, Pierre, to Roussel-UCLAF. Novel phenylhydrazones. 3,786,094, 1-15-74, Cl. 260-564.00r.

Perronnet, Jacques; and Demoute, Jean-Pierre, to Roussel-UCLAF. Substituted diamino-s-triazines. 3,790,570, 2-5-74, Cl. 260-249.800.

Perronnet, Jacques; and Girault, Pierre, to Roussel-UCLAF. Herbicidal method. 3,801,302, 4-2-74, Cl. 71-121.000.

Perronnet, Jacques, Poittevin, Andre; and Demoute, Jean-Pierre, to Roussel-UCLAF. Dialkylsulfoximinocarbonylmethyl thiophosphates, process. 3,830,884, 8-20-74, Cl. 260-443.000.

Perronnet, Jacques; and Girault, Pierre, to Roussel-UCLAF. Carbamaldoximes. 3,836,582, 9-17-74, Cl. 260-566.0ae.

Perronnet, Jacques; and Girault, Pierre, to Roussel-UCLAF. Fungicidal use of 3,4-dibromobutyronitrile. 3,856,974, 12-24-74, Cl. 424-304.000.

Perronnet, Jacques; and Poittevin, Andre, to Roussel-UCLAF. Organophosphate ester derivatives of heterocyclic compounds and process. 3,857,838, 12-31-74, Cl. 260-243.00r.

Perrot, Friedrich: *See*—
Giger, Urs; and Perrot, Friedrich. 3,838,567.
Giger, Urs; and Perrot, Friedrich. 3,855,779.

Perrot, Robert, to Acieries de Paris & d'Outreau. Cast steel railway crossing. 3,787,680, 1-22-74, Cl. 246-377.000.

Perrott, Emilio: *See*—
Neri, Carlo; and Perrott, Emilio. 3,787,464.

Perrott, Francis Cyric: *See*—
Perrott, Francis Cyric; and Aitken, Ian Miller Edington (said Aitken assor. to said). 3,783,793.

Perrott, Francis Cyric; and Aitken, Ian Miller Edington, said Aitken assor. to said Perrott, Francis Cyric. Track system having non-load bearing track switch. 3,783,793, 1-8-74, Cl. 104-130.000.

Perrotti, Emilio: *See*—
Maspero, Federico, and Perrotti, Emilio, 3,849,510.
Maspero, Federico; Perrotti, Emilio; and Simonetti, Franco. 3,857,867.
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Neri, Carlo; and Perrotti, Emilio. 3,803,192.
Santambrogio, Alberto; and Perrotti, Emilio. 3,847,902

Perrotti, Emilio; and Koch, Paolo. Process for the production of alkyl-sulfuric acids and corresponding salts. 3,829,457, 8-13-74, Cl. 260-459.000.

Perrotti, Emilio; and Cipriant, Gioacchino, to Snam Progetti S.p.A. Process for the preparation of esters of carbonic acid. 3,846,468, 11-5-74, Cl. 260-463.000.

Perrotti, Emmanuel J.: *See*—
Ranghelli, Joseph C.; and Perrotti, Emmanuel J., 3,854,140.

Perroud, Paul: *See*—
Bertrand, Gerard; Perroud, Paul; and Sylvestre-Baron, Martial. 3,812,026.

Perry, Clark William, to Hoffmann-La Roche Inc. Racemic-diketo compounds. 3,843,728, 10-22-74, Cl. 260-590.000.

Perry, Clifton C., to Magnavox Company, The. Automatic tint circuit for flesh tone correction. 3,821,790, 6-28-74, Cl. 358-28.000.

Perry, Cortes L.: *See*—
Rummel, John A.; and Perry, Cortes L., 3,799,149.

Perry, Dale C., to Goodyear Tire & Rubber Company, The. Polymerization of conjugated diolefins with catalysts containing carbon oxysulfide. 3,813,374, 5-28-74, Cl. 260-94.300.

Perry, Dale C., to Goodyear Tire & Rubber Company, The. Polymerization process. 3,823,121, 7-9-74, Cl. 260-82.100.

Perry, Dean A. Valve with elliptical sealing. 3,846,885, 11-12-74, Cl. 29-157.10r

Perry, E. S., Limited: *See*—
Dawn, Alan. 3,817,638.
Ebdon, Ronald William. 3,808,793.

Perry, Edward James; and Moumouloff, Paul, to Kins Developments Limited. Heating/cooling apparatus. 3,848,664, 11-19-74, Cl. 165-22.000.

Perry, Eli; and Strazik, William F., to Monsanto Company. Process for the separation of styrene from ethylbenzene. 3,784,620, 1-8-74, Cl. 260-669.00a.

Perry, Eli; and Strazik, William F., to Monsanto Company. Process for the separation of diene from organic mixtures. 3,784,624, 1-8-74, Cl. 260-681.50r.

Perry, Eli; and Strazik, William F., to Monsanto Company. Process for the separation of diene from organic mixtures. 3,784,625, 1-8-74, Cl. 260-681.50r.

Perry, Eli; and Strazik, William F., to Monsanto Company. Process for the separation of diene from organic mixtures. 3,789,079, 1-29-74, Cl. 260-681.50r.

Perry, Eli; and Strazik, William F., to Monsanto Company. Process for the separation of diene from organic mixtures. 3,789,080, 1-29-74, Cl. 260-681.50r.

Perry, Elijah Robert; Cronin, John C.; and Graybill, Howard W., to I-T-E Imperial Corporation. Enclosure for conductor of electrical transmission system. 3,792,191, 2-12-74, Cl. 174-84.00r

Perry, Elijah Robert, and Samm, Ralph W., to I-T-E Imperial Corporation. Power transmission system for connecting floating power plant to stationary conductors. 3,794,849, 2-26-74, Cl. 307-147.000.

Perry, Elijah Robert; and Cronin, John C., to I-T-E Imperial Corporation. Conductive expansion joint for electrical transmission system. 3,819,850, 6-25-74, Cl. 174-94.00r.

Perry, Elmer L. Liquid dispensing device. 3,811,604, 5-21-74, Cl. 222-429.000.

Perry, Eric: *See*—
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Perry, Eric, to Nobilium Products, Inc. Apparatus for preparing duplicating materials. 3,804,344, 4-16-74, Cl. 241-65.000.

Perry, Ernest John: *See*—
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Perry, Jack L., to Owens-Illinois, Inc. Apparatus for selecting the release point in a ninety-degree sweepout for a glass forming machine. 3,795,503, 3-5-74, Cl. 65-260.000

Perry, Jack L., to Owens-Illinois, Inc. Web guiding apparatus. 3,823,860, 7-16-74, Cl. 226-199.000.

Perry, James C., to General Motors Corporation. Dual fuel system. 3,788,283, 1-29-74, Cl. 123-3.000.

Perry, John, Jr., to United States of America, Army. Fuel cell electrode. 3,844,839, 10-29-74, Cl. 136-86.00d.

Perry, John T., Jr.: *See*—
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Perry, Joseph A., Jr. Pressure transducer. 3,845,664, 11-5-74, Cl. 73-406.000.

Perry, Lawrence. Carton assembling apparatus. 3,808,959, 5-7-74, Cl. 93-53.0ae.

Perry, Leonard T.; Costner, Donald T.; and Noggle, Edward F., to Wet Manufacturing Co. Rotary sprinkler head. 3,785,565, 1-15-74, Cl. 239-206.000

Perry, Paul E.: *See*—
Hudson, Robert M.; Perry, Paul E.; and Warning, Clair J., 3,827,903.

Perry, Raymond D.: *See*—
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Perry, Reginald P., and Sjoberg, Nils W., to Prime Manufacturing Company. Coating machine. 3,802,387, 4-9-74, Cl. 118-324.000.

Perry, Reginald P., and Sjoberg, Nils W., to Prime Manufacturing Company. Sewing rib. 3,846,920, 11-12-74, Cl. 36-22.00a.

Perry, Richard A.: *See*—

Rachor, Donald G.; and Perry, Richard A., 3,814,685.

Perry, Richard C. Heat exchanger. 3,792,729, 2-19-74, Cl. 165-76.000.

Perry, Robert H., to Westinghouse Electric Corporation. Fail-safe optically coupled logic networks. 3,826,930, 7-30-74, Cl. 307-311.000.

Perry, Robert J.; and Whitson, Bob L., to Phillips Petroleum Company. Control system for two-stage compressors. 3,785,749, 1-15-74, Cl. 417-12.000.

Perry, Roger L.: *See*—
Dorion, Francis W., Jr.; Douglass, Paul W.; Nissen, Warren I.; and Perry, Roger L., 3,842,499.

Perry, Roger L., to Gillette Company, The. Strip feed safety razor. 3,783,507, 1-8-74, Cl. 30-40.100.

Perry, Roger L., to Gillette Company, The. Handle. 3,795,979, 3-12-74, Cl. 30-85.000.

Perry, Roger L., to Gillette Company, The. Blade unit. 3,810,305, 5-14-74, Cl. 30-32.000.

Perry, Roger L., to Gillette Company, The. Method of razor blade unit assembly. 3,832,432, 8-27-74, Cl. 264-249.000.

Perry, Roger L., to Gillette Company, The. Razor blade assembly. 3,832,774, 9-374, Cl. 30-32.000.

Perry, Russell C., to Artek Systems Corporation. Micro-biological colony counter. 3,811,036, 5-14-74, Cl. 235-92.0pc.

Perry, Thomas C., Jr.: *See*—
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Perry, Walter Merton. Forming unit for fine mineral fibers. 3,785,791, 1-15-74, Cl. 65-14.000.

Perry, Walter Merton; and Perry, Walter Scott. By-pass fiber collection system. 3,824,086, 7-16-74, Cl. 65-9.

Perry, Walter Merton. Container closure with opening indicators. 3,837,519, 9-24-74, Cl. 215-7.000.

Perry, Walter Merton. Container with attached closure. 3,843,011, 10-22-74, Cl. 220-47.000.

Perry, Walter Scott: *See*—
Perry, Walter Merton; and Perry, Walter Scott, 3,824,086.

Perry, William A.: *See*—
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Perry, William O.; Sorenson, Marius W.; and Hairston, Thomas J., to Dow Chemical Company, The. High molecular weight resins having low solution viscosities. 3,804,795, 4-16-74, Cl. 260-30.4ep.

Persak, Warren Richard: *See*—
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Persehbacher, Otto; Hunke, Friedrich; and Glaab, Berthold, to Automatic Apparate-Machinenbau H. Hench GmbH. Apparatus for granulating strands or bands of material, especially synthetic materials. 3,837,586, 9-24-74, Cl. 241-223.000.

Pershin, Grigory Nikolaevich: *See*—
Melnikov, Nikolai Nikolaevich; Khaskin, Boris Abramovich; Pershin, Grigory Nikolaevich; and Milovanova, Sofia Nikolaevna, 3,787,567.

Pershin, Valentin Andreevich; Shpadi, Evgeny Ivanovich; Lasutkin, Gennady Vasilievich; Pichugin, Alexei Dmitrievich; and Trubin, Vladimir Nikolaevich. Shock-absorbing article and a method for producing same. 3,844,545, 10-29-74, Cl. 267-147.000.

Pershing, Roscoe Louis; and Romig, Bernard Edwin, to Deere & Company. Skirted helmet. 3,825,952, 7-30-74, Cl. 2-3.00r.

Pershing, Roscoe Louis, to Deere & Company. Vehicle seat comprising three foam layers. 3,833,259, 9-3-74, Cl. 297-452.000.

Persichini, Dominic J. Power driven kite string reel. 3,822,839, 7-9-74, Cl. 242-96.000.

Persicke, Gunter, to Christiani and Nielsen Limited. Fluid operated jacks. 3,811,653, 5-21-74, Cl. 254-29.00a.

Persidsky, Maxim D. Optical system and method for counting sperm cells. 3,829,216, 8-13-74, Cl. 356-36.000.

Persinos, Georgia J., to Amazon Natural Drug Company, The. Topical pharmaceutical composition and method employing sap from the tree croton lechleri. 3,809,749, 5-7-74, Cl. 424-195.000.

Person, Donald, Jr. Mechanical compass bearing attachment for binoculars and the like with compass card clamping means. 3,816,936, 6-18-74, Cl. 33-355.000.

Person, Junius W. Quick connect ceiling electrical fixture mounting. 3,798,584, 3-19-74, Cl. 339-14.00r.

Person, Tage, to LKB-Produkter AB. Apparatus for periodical parallel displacement of at least one parallel beam. 3,843,226, 10-22-74, Cl. 350-6.000.

Personal Communications, Inc.: *See*—
Waly, Adnan, 3,806,708.
Yevick, George J., 3,824,609.
Yevick, George J., 3,853,395.

Personal Products Company: *See*—
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Personnaz, Leon Felix: *See*—
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Persons-Majestic Mfg. Company: *See*—
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Persoons, Gustaaf M.: *See*—
Dentant, Willy G. A.; and Persoons, Gustaaf M., 3,797,503.

Persson, Ake; and Hedstrom, Folke, to SWE-PE-DENT AB, mesne. Apparatuses for illuminating an operating zone which is observed by means of an observation mirror. 3,838,265, 9-24-74, Cl. 240-1.0lp.

Persson, Anders. Device for the protection of the eyes and face. 3,837,005, 9-24-74, Cl. 2-10.000.

Persson, Bo-Goran: *See*—
Lampe, Wolfgang; Spicar, Erich; and Persson, Bo-Goran, 3,797,314.

Persson, Eric J.: *See*—
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Persson, Eric Sigrid; and Persson-Melin, Signe Harriet, to Expo Nord AB. Furniture assemblies. 3,784,251, 1-8-74, Cl. 297-248.000.

Persson, Gert Artur; and Severinsson, Lars Mattis, to Svenska Aktiebolaget Bromsregulator. Force transmitting device of a weighing valve for a vehicle. 3,808,954, 5-7-74, Cl. 92-65.000.

Persson, Hans-Uno: *See*—
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Persson, Jan Edvard. *See*—
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Lindqvist, Bo Rudolf; and Persson, Jan Edvard, 3,796,515.

Persson, Jan Edward, to Atlas Copco Aktiebolag. Method and means for drilling. 3,848,683, 11-19-74, Cl. 175-65.000.

Persson, John A., to Pennsylvania Engineering Corporation. Iron-free self-baking electrode. 3,819,841, 6-25-74, Cl. 13-18.000.

Persson, Karl Rune, to Sprinter Pack AB. Coupling or lock between two sheets of different materials such as carton and plastic. 3,809,305, 5-7-74, Cl. 229-45.000.

Persson, Leif Gunnar: *See*—
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Persson, Per-Anders, and Lithner, Gosta, to Nitro Nobel AB. Detonating cap. 3,817,181, 6-18-74, Cl. 102-29.000.

Persson, Rolf: *See*—
Polhall, Karl Olof; and Persson, Rolf, 3,842,471.

Persson, Sten L., to Quality Corporation, The. Thermally compensated crystal unit. 3,818,254, 6-18-74, Cl. 310-8.100.

Persson-Melin, Signe Harriet: *See*—
Persson, Eric Sigrid; and Persson-Melin, Signe Harriet, 3,784,251.

Pertchik, Samuel: *See*—
Sagi, Zsigmond L.; Comer, Robert C.; Andersen, Norman, Burtha, John R.; and Pertchik, Samuel, 3,835,990.

Pertec Corporation: *See*—
Barrus, Gordon Brent; Emenaker, Leo Joseph; and Melissa, Raymond Franklin, 3,834,303
Matula, Jerry, 3,835,373.

Perthen, Johannes. Device for measuring long bores of small internal diameter. 3,803,518, 4-9-74, Cl. 33-178.00f.

Pertuit, John R. Electric cable connector. 3,818,422, 6-18-74, Cl. 339-202.000.

Perucca, Pietro, to Omre Costruzioni Elettromeccaniche S.a.s. Machine for brewing hot beverages, adapted to produce steam. 3,795,788, 3-5-74, Cl. 219-272.000.

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Peruglia, Marco, to Fiat Societa per Azioni. Safety device for protecting hydraulic circuits having a branch circuit. 3,808,449, 4-30-74, Cl. 307-10.00r.

Peruglia, Marco, to Fiat Societa per Azioni. Delivery limiting valve unit for refrigeration circuits. 3,808,829, 5-7-74, Cl. 62-217.000.

Peruglia, Marco, to Fiat Societa per Azioni. Refrigeration plant suitable for air conditioning systems. 3,818,717, 6-25-74, Cl. 62-217.000.

Peruglia, Marco, to FIAT Societa per Azioni. Automatic unidirectional throttle. 3,825,032, 7-23-74, Cl. 137-496.000

Peruglia, Marco, to Fiat Societa Per Azioni. Vehicle anti-skid braking system. 3,826,542, 7-30-74, Cl. 303-21.00f.

Perulfi, John R.: *See*—
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Dubs, Paul; and Pesaro, Mario, 3,816,445.
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Pesce, Louis. Dental floss. 3,789,858, 2-5-74, Cl. 132-89.000.

Pescetto, James R.: *See*—
Fishel, Larry R.; and Pescetto, James R., 3,845,469.

Peschel, Heinz; and Radtke, Manfred, to Eastman Kodak Company. Film threading device for a motion picture projector. 3,853,275, 12-10-74, Cl. 242-195.000.
Peschke, Walter C.; and Novak, William R., to NSM Apparatebau GmbH Kommanditgesellschaft. Selecting and storage circuit for juke box. 3,800,285, 3-26-74, Cl. 340-162.00r.
Peschl, Ervin: *See*—
Kolar, Vladimir; and Peschl, Ervin, 3,802,217.
Peschl, Ervin; Zmatlik, Josef; Sedlecky, Jaromir; and Kolar, Vladimir, to Statni vyzkumny ustav textilni. Two part knitting needle. 3,811,299, 5-21-74, Cl. 66-120.000.
Peserik, James E.: *See*—
Fernandez-Rana, Victoriano; Simon, Paul R.; and Peserik, James E., 3,842,719.
Peshin, John, to Carter's Ink Company, The. Donor sheet for pulsed electrical printing. 3,833,409, 9-3-74, Cl. 117-218.000.
Peska, Lawrence, Associates, Inc.: *See*—
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Waters, Lyle E., 3,847,300.
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Pessolano, Arsenio A.; Witzel, Bruce E.; Graham, Patricia M.; Clark, Robert L.; and Shen, Tsung-Ying, to Merck & Co., Inc. Certain diloweralkylamino-methylene (or ethylene)-2(1H)pyridone. 3,853,896, 12-10-74, Cl. 260-296.00r.
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Pestka, John A., to Illinois Tool Works, Inc. Panel mounting fastener. 3,852,849, 12-10-74, Cl. 24-73.00p.
Pestka, John August: *See*—
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Pesto, William Steve, to Bell Telephone Laboratories, Incorporated. Apparatus for identifying and tracing a pair of conductors. 3,831,086, 8-20-74, Cl. 324-67.000.
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Petcher, Rhett R. Nut harvesting device. 3,808,785, 5-7-74, Cl. 56-328.000.
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Schmidt, Walter E., 3,834,351.
Peter, Alfred O., to FMC Corporation. Pusher pawl mechanism for power and free conveyor system. 3,814,024, 6-4-74, Cl. 104-172.00s.
Peter, Arnold, to Ruti Machinery Works Ltd.; formerly Caspar Honegger Caspar Honegger, Ruti Zurich. Arrangement for reciprocating a weft inserter rod. 3,789,887, 2-5-74, Cl. 139-123.000.
Peter, Attila: *See*—
Mandzsu, Jozsef; Jagicza, Laszlo; Peter, Attila; Kellner, Laszlo; and Jodal, Sandor, 3,827,042.
Peter, Eugen; and Herold, Wolfgang, to Licentia Patent-Verwaltungs-G.m.b.H. Tool for cutting cable sheathing. 3,818,590, 6-25-74, Cl. 30-90.400.
Peter, Eugen, to Licentia Patent-Verwaltungs-G.m.b.H. Tool for cutting cable sheathing. 3,818,591, 6-25-74, Cl. 30-90.400.
Peter, John W.: *See*—
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Peter, Joseph E.: *See*—
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Peter, Joseph E., to Best & Donovan, mesne. Safety guard for a scribe saw. 3,802,080, 4-9-74, Cl. 30-377.000.
Peter, Joseph E., to Best & Donovan. Safety guard for a breaking saw. 3,805,639, 4-23-74, Cl. 74-616.000.
Peter, Joseph E., to Wolf Machine Company, The, mesne. Safety guard for a cloth cutting machine. 3,812,584, 5-28-74, Cl. 30-273.000.
Peter, Keith: *See*—
Geevert, Herbert; and Peter, Keith, 3,816,672.
Peter, Klaus Dieter, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Multi-stage evaporator. 3,834,994, 9-10-74, Cl. 202-174.000.
Peter, Klaus-Dieter, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Method and apparatus for producing a distillate. 3,856,632, 12-24-74, Cl. 203-11.000.
Peter, Lothar: *See*—
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Peter, Oskar E.; and Peter, Lothar, 3,847,495.
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Peter, Oskar E.; and Peter, Lothar, 3,849,015.
Peter, Oskar E.; and Peter, Lothar, said Peter, Lothar assor. to said Peter, Oskar E. Double conical hub-to-shaft connection. 3,847,493, 11-12-74, Cl. 403-370.000.
Peter, Oskar E.; and Peter, Lothar, to Peter, Oskar E. Symmetrical hub-to-shaft connection. 3,847,495, 11-12-74, Cl. 403-370.000.
Peter, Oskar E.; and Peter, Lothar, to Peter, Oskar E. Symmetrical hub-to-shaft connection. 3,849,015, 11-19-74, Cl. 403-370.000.
Peter, Philip R. Two for one twisting device. 3,810,353, 5-14-74, Cl. 57-58.830.
Peter, Philip W. System for earth penetration in deep water at atmospheric pressure. 3,830,068, 8-20-74, Cl. 61-34.000.
Peter, Rene; and Lambrich, Hans Peter, to RCA Corporation. Vertical convergence circuits. 3,849,696, 11-19-74, Cl. 315-13.00e.
Peter, Richard: *See*—
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DeFago, Raymond; Angliker, Hans-Joerg; Holzriehter, Herbert; Kneubuehler, Werner; and Peter, Richard, 3,782,896.
Peter, Richard; and Jenny, Walter, to Ciba-Geigy AG. Styralyl dyestuffs. 3,784,558, 1-8-74, Cl. 260-465.00d.
Peter, Richard; Angliker, Hans-Joerg; and Artz, Klaus, to Ciba-Geigy AG. Water-insoluble monoazo dyestuffs. 3,821,194, 6-28-74, Cl. 260-207.000.
Peter, Strong, Research and Development Company, Inc.: *See*—
Hill, William H., 3,839,213.
Peter, Wolfgang; Erath, Herbert; and Koch, Heinz, to Daimler-Benz Aktiengesellschaft. Temperature and speed responsive fluid coupling. 3,840,101, 10-8-74, Cl. 192-58.00b.
Peteri, Deszo: *See*—
Scherm, Arthur; and Peteri, Deszo, 3,839,455.
Petering, Harold G.: *See*—
Murray, Maxton F.; and Petering, Harold G., 3,824,276.
Petering, Wilbur H.; Kircher, Charles E., Jr.; and Pinchak, Paul R., to Detrex Chemical Industries, Inc. Stabilized methylchloroform compositions. 3,798,170, 3-19-74, Cl. 252-162.000.
Peterli, Hans Jakob: *See*—
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Kirchmayr, Rudolf; Peterli, Hans Jakob; and Heller, Hansjorg, 3,824,273.
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Williams, Joel Lawson; Olof, Heinz Gunther; and Peterlin, Anton, 3,839,516.
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Peters & Company, Inc.: *See*—
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Peters, Armin, to Rohe, A. Method and apparatus for drying washed motor vehicles and for heating the washing and drying stations. 3,808,698, 5-7-74, Cl. 34-33.000.
Peters, Arnis E., to Gelatt Investments, Inc., mesne. Microfilm viewer. 3,785,728, 1-15-74, Cl. 353-26.000.
Peters, Arnis E.; and Miles, Lyle G., to National Cash Register Company, The. Microfiche reader. 3,807,845, 4-30-74, Cl. 353-24.000.
Peters, Arnis E., to Gelatt Investments, mesne. Microfilm viewer. 3,844,642, 10-29-74, Cl. 352-78.00r.
Peters, Beldon A., to Esso Production Research Company. Wireline operated subsurface safety valve. 3,815,675, 6-11-74, Cl. 166-72.000.
Peters, Beldon A.; Smith, Louis P.; and Landrum, Aubrey O., to Esso Production Research Company. Proportional chemical injection system. 3,856,677, 12-24-74, Cl. 210-96.000.
Peters, Bruce C.: *See*—
Cheng, Chin Huan; and Peters, Bruce C., 3,820,958.
Peters, Burton, Jr.; Nowak, Leonard J.; and Nolte, George J., to Zurn Industries, Inc. Ball valve. 3,801,065, 4-2-74, Cl. 251-315.000.
Peters, Cal F. Waitress call system for cocktail lounge, restaurant, or the like. 3,821,707, 6-28-74, Cl. 340-171.00r.
Peters, Charles L., Jr., to Box Innards, Inc. Gear transmission. 3,803,946, 4-16-74, Cl. 74-745.000.
Peters, Claudius, AG: *See*—
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Peters, Clifford M. In-line test valve. 3,817,282, 6-18-74, Cl. 137-607.000.
Peters, David L., to Singer Company, The. Cathode ray tube display of a motion picture film. 3,830,973, 8-20-74, Cl. 178-7.200.
Peters, Donald E. Floating space frame. 3,834,336, 9-10-74, Cl. 114-.50f.
Peters, Donald L.: *See*—

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Peters, Donald L., to Phillips Petroleum Company. Method for blow molding articles having a plurality of openings. 3,821,344, 6-28-74, Cl. 264-94.000.
Peters, Dudley C. Battery truck. 3,782,750, 1-1-74, Cl. 280-43.017.
Peters, Edwin F., to Owens-Illinois, Inc. Transistor control apparatus. 3,821,599, 6-28-74, Cl. 315-169.0tv.
Peters, Edwin F., to Owens-Illinois, Inc. Control apparatus for supplying operating potentials. 3,846,646, 11-5-74, Cl. 307-268.000.
Peters, Edwin F., to Owens-Illinois, Inc. Control apparatus for supplying operating potentials. 3,852,609, 12-3-74, Cl. 315-169.0tv.
Peters, Ernest: *See*—
Milner, Edward Francis Godfrey; Peters, Ernest; Swinkels, Godefridus M.; and Vizsolyi, Andrew Imre, 3,798,026.
Peters, Frank Groom; and Schwartz, Newton, to Bell Telephone Laboratories, Incorporated. Capacitor with anodized electrode of tantalum silicon alloy. 3,786,323, 1-15-74, Cl. 317-258.000.
Peters, Frank Groom; and Schwartz, Newton. Thin film resistor comprising sputtered alloy of silicon and tantalum. 3,790,913, 2-5-74, Cl. 338-308.000.
Peters, Frederick D.: *See*—
Copeland, Richard S.; and Peters, Frederick D., 3,821,065.
Peters, Gary J.; Hermann, Stanley R.; Jaynes, Howard R.; and Milbrandt, Larry F., to National Cash Register Company, The. Transfer media and transferable coating compositions. 3,786,013, 1-15-74, Cl. 260-28.50r.
Peters, Gary J.; and Hermann, Stanley R., to NCR Corporation. Processes relating to sensible coatings and transfer ribbons for plastic cards thereto. 3,853,660, 12-10-74, Cl. 156-230.000.
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Peters, Henning, to Uhde, Friedrich, GmbH. Process for performing gas-phase reactions under pressure. 3,812,090, 5-21-74, Cl. 260-94.90r.
Peters, Homer D. F.; Rough, Robert R.; and Ryan, William H., to Owens-Illinois, Inc. Glassmaking diameter sensing. 3,847,581, 11-12-74, Cl. 65-29.000.
Peters, Jack; and New, Easton D. Adjustable hand truck. 3,850,441, 11-26-74, Cl. 280-47.200.
Peters, James R., to Universal Product Development Corporation. Self-watering flower pot. 3,783,555, 1-8-74, Cl. 47-38.000.
Peters, Joseph, to Vapor-Set Corporation. Apparatus for permanently setting synthetic hair. 3,796,225, 3-12-74, Cl. 132-9.000.
Peters, Joseph A.: *See*—
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Peters, Karl-Heinz: *See*—
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Peters, Karl-Heinz; and Neeff, Rutger, to Bayer Aktiengesellschaft. Pigment dyestuffs. 3,823,167, 7-9-74, Cl. 260-372.000.
Peters, Leo. Method for embossment packaging of warm butter. 3,798,335, 3-19-74, Cl. 426-130.000.
Peters, Leo. Method for roasting meat. 3,804,965, 4-16-74, Cl. 426-523.000.
Peters, Leo. Tear strip sealing structure for blister packages. 3,835,224, 9-10-74, Cl. 426-130.000.
Peters, Leo C.: *See*—
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Peters, Max D. Filter system. 3,828,530, 8-13-74, Cl. 55-473.000.
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Peters, Norman J., to DEC International Inc. Cheese making apparatus. 3,853,241, 12-10-74, Cl. 220-344.000.
Peters, Philip H., Jr., to Environment/One Corporation. Inductive heated bake oven. 3,790,735, 2-5-74, Cl. 219-10.490.
Peters, Raymond W. Magnetically supported vehicle engine warmer. 3,835,290, 9-10-74, Cl. 219-205.000.
Peters, Richard W.: *See*—
Burkhard, Mahlon D.; and Peters, Richard W., 3,855,555.
Peters, Robert L.; and Parlin, David B., to Bigelow-Sanford, Inc. Patterned rugs and carpets. 3,850,783, 11-26-74, Cl. 161-63.000.
Peters, Robert W. Automatic stator core wedging machine. 3,805,357, 4-23-74, Cl. 29-205.00e.
Peters, Robert W. Stator core winding machine. 3,822,830, 7-9-74, Cl. 242-1.10r.
Peters, Ronald L. Disposable electrode. 3,812,861, 5-28-74, Cl. 128-418.000.
Peters, Rudolf, to Windmoller & Holscher. Apparatus for slitting seamless flattened tubes of plastics film. 3,789,713, 2-5-74, Cl. 83-184.000.
Peters, Rudolph W. Electro-surgical handle. 3,799,168, 3-26-74, Cl. 128-303.140.
Peters, Russel: *See*—
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Peters, Sherman M.; and Smith, Lawrence M. Locking apparatus. 3,794,848, 2-26-74, Cl. 307-129.000.
Peters, Thomas J.: *See*—
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Peters, Tony. Liquid level control system. 3,787,733, 1-22-74, Cl. 307-118.000.
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Petersen, Carsten Georg Otto; and Giversen, Svend, to Danfoss A/S. Valve arrangement for fluid pressure motor or pump. 3,825,376, 7-23-74, Cl. 418-61.000b.
Petersen, Christian C., to Polaroid Corporation. Tractive electromagnetic device. 3,805,204, 4-16-74, Cl. 335-255.000.
Petersen, Christian C., to Polaroid Corporation. Method and circuit for recording audio signals on magnetic tape. 3,852,813, 12-3-74, Cl. 360-66.000.
Petersen, Donald J., to United States of America, Navy. Central igniter for rotatable combustion chamber. 3,798,900, 3-26-74, Cl. 60-39.140.
Petersen, Eric Rikard, to Scriptomatic, Inc. Duplicating apparatus. 3,807,303, 4-30-74, Cl. 101-132.500.
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Petersen, Harro; Magerkurth, Bernhard; Froede, Otto; and Lelgemann, Ludwig, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Impregnating resins. 3,808,167, 4-30-74, Cl. 260-30.60r.
Petersen, Harro; Fuchs, Friedrich; and Scharwaechter, Peter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Polyphosphonates. 3,808,292, 4-30-74, Cl. 260-932.000.

Petersen, Harro, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dialkyl N, N-dialkoxymethyl-carbamylphosphonates. 3,830,885, 8-20-74, Cl. 260-943.000.
Petersen, Helge Hogh, to Smidth, F. L., & Co. Electrode cleaning mechanism for electrostatic dust precipitator. 3,844,742, 10-29-74, Cl. 55-112.000.
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Petersen, Philip R. Guide means for two for one twisting device. 3,811,259, 5-21-74, Cl. 57-58.830.
Petersen, Poul, to Danfoss A/S. Device for holding and contacting thermally loaded ceramic resistors in a case. 3,842,188, 10-15-74, Cl. 174-52.00r.
Petersen, Raymond N. Camping unit. 3,788,670, 1-29-74, Cl. 280-203.000.
Petersen, Ronald E.: *See*—
Harlan, Alfred R.; and Petersen, Ronald E., 3,800,328.
Petersen, Ross K. Shield assembly. 3,817,310, 6-18-74, Cl. 160-405.000.
Petersen, Sigrud R.; and Young, Josiah L., to Westinghouse Electric Corporation. Rectifier assembly for brushless excitation systems. 3,829,725, 8-13-74, Cl. 310-68.00d.
Petersen, Svend Aage, to Johns-Manville Corporation. Binder applicator movable support apparatus and method. 3,817,728, 6-18-74, Cl. 65-3.000.
Petersen, Tom Kastrup, to Danfoss A/S. D. C.-fed regulated direct-current supply. 3,833,848, 9-3-74, Cl. 321-19.000.
Petersen, Walter F.; and Gittings, John B., to Gold Medal, Inc. Collapsible bar. 3,841,728, 10-15-74, Cl. 312-140.200.
Petersen, Warren Eugene, to Western Electric Company Incorporated. Method and apparatus for forming an unsoldered sheath about a strand. 3,785,048, 1-15-74, Cl. 29-624.000.
Petershack, Victor D., to Rex Chainbelt, Inc. Clipped-disc device for right-angle transfer. 3,782,527, 1-1-74, Cl. 198-25.000.
Peterson, Adolphe C. Dual system circuit power means. 3,853,194, 12-10-74, Cl. 180-7.00j.
Peterson, Adrian J., to Black, Sivalls & Bryson, Inc. Process for simultaneously removing adsorbable components from two liquid streams. 3,824,182, 7-16-74, Cl. 208-188.000.
Peterson, Albert M.: *See*—
Ottenian, John H.; and Peterson, Albert M., 3,840,167.
Peterson, Allen K.: *See*—
Kerst, Al F.; and Peterson, Allen K., 3,830,890.
Peterson, Arnie J.; and Hoffa, Jack L., to Beckman Instruments, Inc. Sample cell and stirrer therefor. 3,784,170, 1-8-74, Cl. 259-65.000.
Peterson, Arnold E., to Peterson Baby Products Co. Seat back adjustment mechanism for baby products. 3,784,252, 1-8-74, Cl. 297-364.000.
Peterson, Arthur H.; and Britz, Galen C., to Minnesota Mining and Manufacturing Company. Low-friction slide bearings. 3,809,442, 5-7-74, Cl. 305-14.000.
Peterson Baby Products Co.: *See*—
Peterson, Arnold E., 3,784,252.
Peterson, Bertil E.; and Housman, Richard J., to Cardwell Westinghouse Company. Cushioned bumper for scrapers. 3,785,679, 1-15-74, Cl. 280-481.000.
Peterson, Bertil E., to Cardwell Westinghouse Company. Method for removing draft gear. 3,797,097, 3-19-74, Cl. 29-427.000.
Peterson, Bertil G., to Tobin-Arp Manufacturing Company. Tool setting fixture. 3,838,521, 10-1-74, Cl. 33-185.00r.
Peterson, Bertil G., to Tobin-Arp Manufacturing Company. Closed loop air filtration system. 3,849,091, 11-19-74, Cl. 55-302.000.
Peterson, C. Lynn; and Morrise, Jesard, to Peterson Filters and Engineering Company. Filter and guide apparatus. 3,825,125, 7-23-74, Cl. 210-401.000.
Peterson, Carl A., to Westinghouse Electric Corporation. Shelf and support arrangement. 3,857,624, 12-31-74, Cl. 312-348.000.
Peterson, Carl G.; and Aijala, Sulo A., to Peterson, Carl G., Co. Clutch and brake assembly. 3,797,618, 3-19-74, Cl. 192-12.0ba.
Peterson, Carl G., Co.: *See*—
Peterson, Carl G.; and Aijala, Sulo A., 3,797,618.
Sauveur, Omer G.; and Adams, Rudolph J., 3,834,643.
Peterson, Carl L.; and Korumpas, James D., to GTE Sylvania Incorporated. Atmosphere detector for helicopter blades. 3,795,147, 3-5-74, Cl. 73-49.300.
Peterson, Carl R.: *See*—
Ludtke, William P.; and Peterson, Carl R., 3,817,179.
Peterson, Carl R., to Rapidex, Inc. Downhole hydraulic motor suitable for roller bits. 3,838,953, 10-1-74, Cl. 418-186.000.
Peterson, Charles D., Jr. Split valve test plug. 3,797,317, 3-19-74, Cl. 73-420.000.
Peterson, Charles E.; and Schaefer, Donald W., to International Business Machines Corporation. Article storage and retrieval. 3,854,604, 12-17-74, Cl. 214-16.40a.
Peterson, Charles J. Convertible backpack and cot apparatus. 3,846,855, 11-12-74, Cl. 5-114.000.
Peterson, Christine M.: *See*—
Allison, Jean B.; Bissada, Kadry K.; and Peterson, Christine M., 3,834,122.
Peterson, Clyde O., to Westinghouse Electric Corporation. Deceleration measuring apparatus. 3,851,522, 12-3-74, Cl. 73-84.000.
Peterson, Darwin H. Tape winding device. 3,844,503, 10-29-74, Cl. 242-67.10r.
Peterson, David D., to General Electric Company. Lighting fixture. 3,858,042, 12-31-74, Cl. 240-147.000.
Peterson, Donald H.: *See*—
Marcellis, Alphonso W.; and Peterson, Donald H., 3,857,791.
Peterson, Donald J., to Procter & Gamble Company, The. Organosulfonylmethyl(trihydrocarbyl) tin compounds. 3,784,580, 1-8-74, Cl. 260-429.700.
Peterson, Donald J., to Procter & Gamble Company, The. Preparation of organotin compounds. 3,794,670, 2-26-74, Cl. 260-429.700.
Peterson, Donald J.; Ward, James F.; and Damico, Ralph A., to Procter & Gamble Company, The. Tris-organotin sulfolanes and sulfolanes. 3,808,264, 4-30-74, Cl. 260-332.100.
Peterson, Donald J., to Procter & Gamble Company, The. Protective coatings containing organo tin compounds. 3,839,052, 10-1-74, Cl. 106-15.0af.
Peterson, Donald J.; and Ward, James F., to Procter & Gamble Company, The. Novel organotin compounds. 3,850,970, 11-26-74, Cl. 260-429.700.
Peterson, Donald J., to Procter & Gamble Company, The. Seed protectors. 3,857,942, 12-31-74, Cl. 424-245.000.
Peterson, Donovan F. Capacitor discharge ignition circuit. 3,844,266, 10-29-74, Cl. 123-148.tcp.
Peterson, Earl A.: *See*—
Barron, Charles D.; Peterson, Earl A.; Stark, Gary K.; and Wilms, Carl A., 3,804,268.
Peterson, Earl A. Marine propulsion and steering apparatus. 3,795,219, 3-5-74, Cl. 115-35.000.
Peterson, Edgar M., to American Standard Inc. Large water leg boiler. 3,796,194, 3-12-74, Cl. 122-225.00r.
Peterson, Edgar M., to American Standard, Inc. Seals for boilers. 3,839,993, 10-8-74, Cl. 122-225.000.
Peterson, Edwin R. Reverse motion alarm. 3,793,982, 2-26-74, Cl. 116-60.000.
Peterson Electronic Die Co., Inc.: *See*—
Peterson, Everett A., 3,840,421.
Peterson, Elizabeth A.: *See*—
Elmer, Richard L.; and Peterson, Elizabeth A., 3,799,798.
Peterson, Ernest L.: *See*—
Hunter, Earl C.; and Peterson, Ernest L., 3,796,267.
Peterson, Everett A., to Peterson Electronic Die Co., Inc. Apparatus for registration treatment of plastic webs. 3,840,421, 10-8-74, Cl. 156-384.000.
Peterson Filters and Engineering Company: *See*—
Peterson, C. Lynn; and Morrise, Jesard, 3,825,125.
Peterson, Francis C., to Hager, C., & Sons Hinge Manufacturing Company. Impact die and carbide insert therefor. 3,785,236, 1-15-74, Cl. 83-685.000.
Peterson, Francis C., to Hager, C., & Sons Hinge Manufacturing Company. Hinge with torsion bar. 3,787,923, 1-29-74, Cl. 16-184.000.
Peterson, Francis C., to Hager, C., & Sons Hinge Manufacturing Company. Hinge through which an electrical circuit is completed with means to interrupt the circuit. 3,838,234, 9-24-74, Cl. 200-61.700.
Peterson, Frank Clyde: *See*—
Theard, Leslie Peter; Peterson, Frank Clyde; Russell, John Lynn, Jr.; and Reierson, Robert L., 3,856,717.
Peterson, Fred M. Anti-theft trailer hitch. 3,822,900, 7-9-74, Cl. 280-507.000.
Peterson, Fred M. Universal high pressure regulator. 3,834,413, 9-10-74, Cl. 137-116.000.
Peterson, George N., to Dresser Industries, Inc., mesne. Method and apparatus for reinforcing cup-type grinding wheels. 3,804,687, 4-16-74, Cl. 156-161.000.

Peterson, Gerald W.: *See*—
Herdzik, Richard J.; Jeannotte, Dexter A.; Peterson, Gerald W.; and Sullivan, Michael J., 3,839,727.
Peterson, Gerald Wallace. Vehicle for playing a ball game. 3,820,790, 6-28-74, Cl. 273-129.000.
Peterson, Glen, to Magalectric Corporation. Trolling motor steering and speed control means. 3,807,345, 4-30-74, Cl. 115-18.00e.
Peterson, Gunter: *See*—
Haferkamp, Heinz; and Peterson, Gunter, 3,822,955.
Peterson, Harold B. Folding implement cart. 3,810,660, 5-14-74, Cl. 280-411.00a.
Peterson, Harold Severin, to Applied Power Industries Inc. Tire cutter apparatus. 3,830,120, 8-20-74, Cl. 82-54.000.
Peterson, Henry Embry, to Du Pont de Nemours, E. I., and Company. Filler piece for double drum drier. 3,837,089, 9-24-74, Cl. 34-17.000.
Peterson, Howard: *See*—
Smith, David R.; and Peterson, Howard, 3,850,726.
Peterson, Howard H.: *See*—
Frederick, John E.; and Peterson, Howard H., 3,823,894.
Peterson, J. L.: *See*—
Scott, Dellie J., 3,782,688.
Peterson, John A.: *See*—
Lorensen, Cletus E.; and Peterson, John A., 3,787,044.
Minklei, Alfred O.; and Peterson, John A., 3,824,124.
Peterson, John Allan, to Honeywell Information Systems Inc. Concealed latch assembly. 3,822,904, 7-9-74, Cl. 292-78.000.
Peterson, John D.; and Bates, Walter E., to Bates, W. E., Engineering Co., Inc. Vapor lamp standby apparatus. 3,783,332, 1-1-74, Cl. 315-91.000.
Peterson, John Ivan; Friauf, Walter S.; and Leighton, Stephen B., to United States of America, Health, Education and Welfare. High precision fluorometer for measuring enzymatic substrates in tissue. 3,854,050, 12-10-74, Cl. 250-429.000.
Peterson, John Merriam: *See*—
Hall, William Cornelius; and Peterson, John Merriam, 3,827,982.
Peterson, John R., 2d to Lee, Raymond, Organization, Inc., The. Multiple windmill. 3,837,112, 9-24-74, Cl. 46-58.000.
Peterson, Kenneth L.: *See*—
Peterson, Lawrence W.; Gallo, Thomas J.; Peterson, Kenneth L.; and Garofalo, Donald L., 3,833,326.
Peterson, Kenneth L., to Anderson Corporation. Apparatus and method for reducing the occurrence of bowing in wooden window rails. 3,825,046, 7-23-74, Cl. 144-142.000.
Peterson, Kenneth M., to Puritan-Bennett Corporation. Compliance compensated ventilation system. 3,834,381, 9-10-74, Cl. 128-145.600.
Peterson, Laurence L., to Dow Chemical Company, The. 5-Amirno-3,5-diphauyl-3-pyrroline-2-one. 3,793,343, 2-19-74, Cl. 260-326.5ll.
Peterson, Lawrence W.; Gallo, Thomas J.; Peterson, Kenneth L., and Garofalo, Donald L., to Andersen Corporation. Post-forming apparatus. 3,833,326, 9-3-74, Cl. 425-174.400.
Peterson, Leroy: *See*—
Krueger, Harvey R.; Neumann, Charles G.; and Peterson, Leroy, 3,844,134.
Peterson, M., & Sons A/S: *See*—
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Peterson Machine Tool, Inc.: *See*—
Goering, Dan H., 3,829,257.
Peterson Manufacturing Company: *See*—
Peterson, Walter R., 3,790,216.
Peterson, Merle H., to Massey-Ferguson, Inc. Hydrostatic transmission control. 3,837,235, 9-24-74, Cl. 74-531.000.
Peterson, Morris W.: *See*—
Krippene, Brett C.; Peterson, Morris W.; and Marshall, David M., 3,788,796.
Peterson, Orrin Martel: *See*—
Hardy, Paul Wilson; and Peterson, Orrin Martel, 3,793,134.
Peterson, Otis G.: *See*—
Herz, Arthur H., McGolgin, William C.; Hayward, John S.; and Peterson, Otis G., 3,818,371.
Peterson, Per-Erik Arnold, to Rederiaktiebolaget Nordstjernan. Method of transporting ship cargo. 3,836,026, 9-17-74, Cl. 214-152.000.
Peterson, Philip R.: *See*—
Ayres, John A.; Peterson, Philip R.; and Ziegler, John R., 3,792,874.
Peterson, Phillip John: *See*—
Childers, William Walter; Elser, Karl Heinz; and Peterson, Phillip John, 3,846,840.
Peterson, Ralph L. Apparatus for moving a plug fitting. 3,822,718, 7-9-74, Cl. 137-317.000.
Peterson, Ralph Warren; Smith, Nicholas Kimbrough; and Vlack, David, to Bell Telephone Laboratories, Incorporated. Associative memory including a resolver. 3,806,889, 4-23-74, Cl. 340-172.500.
Peterson, Raymond E. Casket locking mechanism. 3,845,976, 11-5-74, Cl. 292-158.000.
Peterson, Reuben W.; and Backus, Harold A., to NL Industries, Inc. Mobile carrier for a radioactive material shipping container. 3,797,860, 3-19-74, Cl. 280-179.00r.
Peterson, Richard. Miniature baseball game. 3,830,497, 8-20-74, Cl. 273-89.000.
Peterson, Richard H.; and Finch, Robert A. Keyboard instrument player system with time division multiplexing techniques and synchronized rhythm device. 3,829,597, 8-13-74, Cl. 84-1.030.
Peterson, Robert A.: *See*—
Edgar, Richard H.; and Peterson, Robert A., 3,846,606.
Peterson, Robert A. Refuse compactor. 3,835,767, 9-17-74, Cl. 100-53.000.
Peterson, Robert A. Refuse compactor. 3,835,769, 9-17-74, Cl. 100-227.000.
Peterson, Robert H.; and Christiansen, Richard L. Method of extending life to copper anode molds. 3,803,701, 4-16-74, Cl. 29-401.000.
Peterson, Robert J.: *See*—
Arnitt, John, Guerrero, Paul, and Peterson, Robert J., 3,834,119.
Peterson, Robert S., Cook, John W., and Bolkey, Harold B., to Westinghouse Electric Corporation. Automatic gauge control system for tandem rolling mill. 3,782,151, 1-1-74, Cl. 72-9.000.
Peterson, Robert S., and Cook, John W., to Westinghouse Electric Corporation. Automatic control method and apparatus for a rolling mill. 3,848,443, 11-19-74, Cl. 72-8.000.
Peterson, Rodney J., to General Dynamics Corporation. Proportionate flow cryostat. 3,782,129, 1-1-74, Cl. 62-56.000.
Peterson, Ronald M. Boat hull construction to provide stern lift. 3,808,999, 5-7-74, Cl. 114-66.50s.
Peterson, Rudolph G., to Carco, Inc. Marking device for torque applying tool. 3,802,301, 4-9-74, Cl. 81-52.500.
Peterson, Russell D., to TRW Inc. Fixture for holding precisely shaped parts. 3,818,646, 6-25-74, Cl. 51-217.00r.
Peterson, Russell H.: *See*—
Nelson, Paul E.; and Peterson, Russell H., 3,787,670.
Peterson, Soren Eskel. Potato cutting machine. 3,794,161, 2-26-74, Cl. 209-106.000.
Peterson, Stuart R. Anti-glare system for motor vehicles. 3,825,296, 7-23-74, Cl. 296-97.00d.
Peterson, Thomas D.; and Crosser, Ralph W., Jr., to Kennecott Copper Corporation. Variable mode vibratory screen. 3,834,534, 9-10-74, Cl. 209-326.000.
Peterson, Trules L.: *See*—
Johnson, Walker P.; Cotton, Charles C.; Bon, David R.; and Peterson, Trules L., 3,845,937.
Peterson, Walter R., to Peterson Manufacturing Company. Wedge locking wheel mounting. 3,790,216, 2-5-74, Cl. 301-1.000.
Peterson, Wayne A.: *See*—
Beck, Henry E.; and Peterson, Wayne A., 3,847,059.
Hicks, Leon E.; Grant, John W.; Watts, Loyal O.; and Peterson, Wayne A., 3,847,416.
Peterson, Willard D., to Occidental Petroleum Corporation. Removal of boron from water. 3,856,670, 12-24-74, Cl. 210-32.000.
Peterson, Willard Elvin. *See*—
Ferdelman, Lawrence Joseph; Peters, Joseph A.; and Peterson, Willard Elvin, 3,827,744.
Peterson, Willard Emanual, Jr., and Youngberg, Charles Harold, to Deere & Company. Spring biased scraper for disk implements. 3,833,067, 9-3-74, Cl. 172-566.000.
Peterson, William B. Wheel construction. 3,823,983, 7-16-74, Cl. 301-43.000.
Peterson, William D. Container for cooling, storage, and shipping of human organ for transplant. 3,810,367, 5-14-74, Cl. 62-457.000.
Peterson, William Donald, II. Connection detection connector. 3,803,577, 4-9-74, Cl. 340-280.000.
Peterson, William H.; and Rousseau, George L., to Pullman Incorporated. Cushioned underframe arrangement for railway cars. 3,791,532, 2-12-74, Cl. 213-8.000.
Peterson, William H., to Pullman Incorporated. Pneumatic hopper car door actuating system. 3,828,948, 8-13-74, Cl. 214-63.000.
Peterson, William H., and Bochenek, Valerian S., Jr., to Pullman Incorporated. Closure mechanism for bottom dump hopper car doors. 3,836,023, 9-17-74, Cl. 214-63.000.
Peterson, William Hartin, to Pullman Incorporated. Passenger car switching device. 3,831,527, 8-27-74, Cl. 104-130.000.
Peterson, Wilmer R.: *See*—
Triplett, Lee Magna, and Peterson, Wilmer R., 3,834,270.
Pethica, Brian Anthony: *See*—
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Pethick, Ford Crago. Plaything comprising movable supports and a running linear flaccid line. 3,826,493, 7-30-74, Cl. 273-1.00r.
Petigara, Ramesh: *See*—
Yale, Harry L.; and Petigara, Ramesh, 3,784,548
Yale, Harry Louis; and Petigara, Ramesh, 3,793,345.
Petigara, Ramesh B.: *See*—
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Yale, Harry L.; and Petigara, Ramesh B., 3,784,550.
Yale, Harry L.; and Petigara, Ramesh B., 3,809,698.

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Yale, Harry Louis; and Petigara, Ramesh B., 3,825,549.
Yale, Harry Louis; and Petigara, Ramesh B., 3,856,781.
Yale, Harry Louis; and Petigara, Ramesh B., 3,856,782.
Yale, Harry Louis; and Petigara, Ramesh B., 3,856,801.
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Peting, Richard L.: *See—*
Mancilla, Edward; Peting, Richard L.; and Van Ness, Laverne W., 3,817,831.

Petit, Earl W. Electric power plant for land vehicles. 3,845,835, 11-5-74, Cl. 180-65.00r.

Petit, Jean-Louis, to Productions Epsemes S.A. Trapdoor for smoke eduction. 3,818,816, 6-25-74, Cl. 98-43.000.

Petit, Maurice; and Thomas, Georges, to Ets J.J. Carnaud & Forges de Basse-Indre. Sterilisation of tins. 3,789,785, 2-5-74, Cl. 113-1.00g.

Petit, Parker H. Respiration monitor. 3,831,586, 8-27-74, Cl. 128-2.00r.

Petit, Pierre: *See—*
Brugerolle, Jean-Renaud; and Petit, Pierre, 3,833,477.

Petit, Pierre; and Verjux, Pierre, to Institut de Recherches de la Siderurgie Francaise. Method of, and apparatus for, the optical measurement of the speed at a moving product. 3,824,015, 7-16-74, Cl. 356-28.000.

Petit-Clerc, Yves, to Universite de Sherbrooke. Method and apparatus for measuring radioisotope distribution. 3,808,440, 4-30-74, Cl. 250-360.000.

Petitclerc, Jean C.: *See—*
Benoiton, Norman L.; Tong, Jeffrey H. Y.; D'Iorio, Antoine; and Petitclerc, Jean C., 3,813,317.

Petitgout, George L.: *See—*
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Petitjean, Raymond: *See—*
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Petitpierre, Jean-Claude; and Weis, Claus, to Ciba-Geigy Corporation. Cyano substituted amidines. 3,822,304, 7-2-74, Cl. 260-464.000.

Petitto, Albert C., to Foster Grant Co., Inc. Nestable container. 3,836,042, 9-17-74, Cl. 206-519.000.

Petke, Frederick E., to Borden, Inc. Pigmented polymeric resin castings. 3,821,138, 6-28-74, Cl. 260-23.00r.

Petkewicz, Frank J.; Mueller, Von W.; Jameel, Khaja M.; and Emkalns, Arvids, to GTE Automatic Electric Laboratories Incorporated. Pulse latched matrix switches. 3,845,430, 10-29-74, Cl. 335-108.000.

Petkovsek, Richard J.: *See—*
Finster, Leslie P.; Petkovsek, Richard J.; and Reader, Trevor D., 3,788,571.

Petoez, Lujza: *See—*
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Petracek, Francis J.; and Sugisaka, Nobuyuki, to Riker Laboratories, Inc. 3-Aminomethyl-1-phenylisochromans and their preparation. 3,840,561, 10-8-74, Cl. 260-345.200.

Petrakov, Alexandr Ivanovich; Ereskunov, Nikolai Grigorievich; and Galitenko, Mikhail Mitrofanovich. Apparatus for producing impulse liquid jets. 3,785,562, 1-15-74, Cl. 239-92.000.

Petrant, Robert G. Multi-purpose work holding means. 3,824,744, 7-23-74, Cl. 51-217.00a.

Petranyi, John F., to DEC International, Inc. Apparatus for dispensing liquid from a liquid supply manifold. 3,815,792, 6-11-74, Cl. 222-373.000.

Petrarca, Carmen A.: *See—*
Bress, Dellason F.; and Petrarca, Carmen A., 3,798,021.

Petre, James Gusten Ragnar, to SKF Industrial Trading and Development Company B.V. Cage for a rolling bearing and method of making it. 3,820,864, 6-28-74, Cl. 308-201.000.

Petree, Edwyn H., to Western Electric Company, Incorporated. Method of stripping insulation. 3,832,767, 9-3-74, Cl. 29-427.000.

Petrek, John P.: *See—*
Cantrell, C. M., 3,788,954.

Petrella, Joseph R.; Shaw, John N.; and Peternel, Jacob R., to PPG Industries, Inc. Method of controlling the shape of thermoplastic press bent sheets. 3,846,105, 11-5-74, Cl. 65-106.000.

Petrella, Robert G.: *See—*
Green, Harold A.; and Petrella, Robert G., 3,814,764.

Petrella, Robert G.; and Langsam, Michael, to Air Products and Chemicals Inc. Fluorochemical surfactants for latex paints. 3,822,228, 7-2-74, Cl. 260-29.60f.

Petrella, Robert G., to Air Products and Chemicals, Inc. Fluoroacrylate coating compositions. 3,844,999, 10-29-74, Cl. 260-29.60f.

Petrella, Ronald V.: *See—*
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Petrellis, Panayotis C.: *See—*
Bonham, James A.; and Petrellis, Panayotis C., 3,782,939.

Petres, Stephen Anthony: *See—*
Jahnke, Earl Milton; and Petres, Stephen Anthony, 3,832,861.

Petres, Stephen Anthony, to Joslyn Mfg. and Supply Co. Method and apparatus for installing anchors. 3,828,562, 8-13-74, Cl. 61-53.500.

Petrey, Ernest Quentin, Jr., to Drew Chemical Corporation. On-stream cleaning compositions and process of using same. 3,806,459, 4-23-74, Cl. 252-82.000.

Petri Aktiengesellschaft: *See—*
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Petri, George William: *See—*
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Petri, Nello J. Collator and web feed control means for the same. 3,794,232, 2-26-74, Cl. 226-50.000.

Petri, Ralph E., to Rock-Ola Manufacturing Corporation. Selector system for automatic phonographs. 3,789,363, 1-29-74, Cl. 340-162.000.

Petricciani, John C.: *See—*
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Petrichenko, Nikolai Fedorovich: *See—*
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Petrick, John T., to United States of America, Navy. Device to prevent accidental ignition of electro-explosives from electrostatic discharge. 3,789,762, 2-5-74, Cl. 102-28.00r.

Petrides, Petros T.; Nickerson, Russell J.; Cordeiro, Rodney R.; and Dodson, James S., Jr., to General Dynamics Corporation. Electrical system for automatic arc welding. 3,838,244, 9-24-74, Cl. 219-131.00f.

Petrie, Adelore F.; and Schreier, Wilford R., to Hammond Corporation. Pulse generator for use with an electrical musical instrument. 3,821,457, 6-28-74, Cl. 84-1.010.

Petrie, Harold L.: *See—*
Erickson, John W.; Brown, Francis Barton; and Petrie, Harold L., 3,817,659.

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Petrie, Jerome U.: *See—*
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Petrik, Albert V. Method and apparatus for cleaning. 3,811,227, 5-21-74, Cl. 51-16.000.

Petrilla, Anthony D.; and Smith, Edwin B., to United States of America, Navy, mesne. Noise injection implementation for constant false alarm rate radar. 3,832,710, 8-27-74, Cl. 343-5.0sm.

Petrille, Dennis G.: *See—*
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Petrillo, Richard J., to Gillette Company, The. Package. 3,797,657, 3-19-74, Cl. 206-356.000.

Petrillo, Richard J., to Gillette Company, The. Package for razor blade unit. 3,835,532, 9-17-74, Cl. 30-40.200.

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Petrillo, Vincenzo: *See—*
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Petrinec, Joan A.: *See—*
Petrinec, Robert G.; and Petrinec, Joan A., 3,783,946.

Petrinec, Robert G.; and Petrinec, Joan A. Self-contained automatic sequencing fire extinguishing system. 3,783,946, 1-8-74, Cl. 169-2.00a.

Petrini, Guido: *See—*
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Petrini, Guido; Moreschini, Luciano; Marciandi, Franco; and Faletti, Franco, to Montecatini Edison S.p.A. Process for preparing unsaturated nitriles by catalytic ammoxidation of saturated aldehydes in the gas phase. 3,801,621, 4-2-74, Cl. 260-465.900.

Petrizilka, Theodor. 6a,10a,-Trans-6a,7,8,10a-tetrahydrodibenzo(b,d)-pyrans. 3,833,616, 9-3-74, Cl. 260-345.300.

Petro, James; and Rively, Clair M., to Westinghouse Electric Corporation. Method for making non-tangling beaded filament coils. 3,792,224, 2-12-74, Cl. 219-121.01m.

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Petrocelli, Marcello. Sculpture device. 3,800,442, 4-2-74, Cl. 35-28.000.

PETROCHIM Institul deCercetari Pentru Chimizarea Petrolului: *See—*
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Petroff, Robert J. Machine tool. 3,838,934, 10-1-74, Cl. 408-7.000.

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Petros, Andrew J., to Mesta Machine Company. Keeper for retaining a pin or shaft. 3,797,949, 3-19-74, Cl. 403-355.000.

Petros, Andrew J.; and Pizzedaz, Ronald D., to Mesta Machine Company. Pass line adjustment for a rolling mill 3,805,573, 4-23-74, Cl. 72-244.000.

Petros, Andrew J., to Mesta Machine Company. Side-shifting mill roll. 3,842,639, 10-22-74, Cl. 72-239.000.

Petros, Andrew J., to Mesta Machine Company. Transfer beam conveyor. 3,850,287, 11-26-74, Cl. 198-219.000.

Petroshanoff, George J., to Tridair Industries. Device for inserting and clamping a printed circuit board. 3,848,953, 11-19-74, Cl. 339-92.00m.

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Petrou, Arthur: *See—*
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Petrov, Vladimir Dmitrievich: *See—*
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Petrovich, John P.; and Tyssee, Donald A., to Monsanto Company. Conversion of acrolein dimer to cyclopentanone. 3,812,190, 5-21-74, Cl. 260-586.00a.

Petrovich, John P.; and Taylor, David L., to Monsanto Company. Resinous reaction products. 3,855,158, 12-17-74, Cl. 260-2.0bp.

Petrow, Vladimir: *See—*
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Petrucci, Raymond M.; and Schnick, Arthur W., to AMF Incorporated. Filter housing with removable diaphragm and a seal means therefor. 3,846,307, 11-5-74, Cl. 210-323.000.

Petruceo, Richard J.; and Schick, John W., to Mobil Oil Corporation. Method for controlling water transpiration in plants. 3,826,671, 7-30-74, Cl. 117-3.000.

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Dzhavad Suleiman Ogly, and Dashdamirov, Tofik Dzhalalovich, 3,806,021.

Petrus, Stephen, to Eaton Corporation. Blind mounting fastener. 3,783,922, 1-8-74, Cl. 151-41.740.

Petrusek, Victor. Paddle mounted for reciprocating motion and ball tethered thereto. 3,799,545, 3-26-74, Cl. 273-97.00r.

Petrusek, Victor. Toy glider. 3,812,612, 5-28-74, Cl. 46-79.000.

Petrusek, Victor. Target, indicator and tethered projectile. 3,856,306, 12-24-74, Cl. 273-98.000.

Petruzella, James, to General Electric Company. Smoothly beveled semiconductor device with thick glass passivant. 3,806,771, 4-23-74, Cl. 317-235.00f.

Petruzzella, Nicholas L., to Xerox Corporation. Xerographic system. 3,799,775, 3-26-74, Cl. 96-1.500.

Petruzzi, Rudolph E., to Anaconda Company, The. Strand connecting method. 3,822,456, 7-9-74, Cl. 29-628.000.

Petry, Chester H., Jr.: *See*—
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Petry, Elston, to Consolidation Coal Company. Level wind spooling device with a stabilizing housing. 3,784,126, 1-8-74, Cl. 242-158.300.

Petry, Robert K.; Biskup, John; and Murphy, Robert E. J., to Congoleum Industries, Inc. Method and apparatus for producing unsupported foamed resinous surface coverings. 3,845,182, 10-29-74, Cl. 264-45.100.

Petsch, Harold A., to Chaska Chemical Company, Inc. Spinner assembly. 3,829,019, 8-13-74, Cl. 239-251.000.

Petsch, Harold A., to Chaska Chemical Company, Inc. Cleaning apparatus. 3,832,069, 8-27-74, Cl. 401-289.000.

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Pettersson, Birger; and Karlsson, Kurt, to Svenska Rotor Maskiner Aktiebolag. Rotary regenerative heat exchangers. 3,785,431, 1-15-74, Cl. 165-9.000.

Pettersson, Carl Bruno. Pump unit for the transportation of liquids. 3,856,429, 12-24-74, Cl. 415-53.000.

Pettersson, Jarl Sune, to Ingenjorsfirman Gradient, Birgit and Harry Rilbe. Optical arrangement for recording a variable light absorbance in objects also having a variable optical thickness. 3,841,762, 10-15-74, Cl. 356-203.000.

Pettersson, Karl Albin Bertil, to Luxor Industri Aktiebolag. Driving mechanism for the turntable in record players. 3,833,225, 9-3-74, Cl. 274-9.00a.

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Pettibone, Raymond B.; and Niemiec, Albin J., to Sperry Rand Corporation. Power transmission. 3,792,936, 2-19-74, Cl. 418-133.000.

Pettigrew, Michel J., to Atomic Energy of Canada Limited. Tube bundle assembly. 3,837,397, 9-24-74, Cl. 165-162.000.

Pettigrew, Robert; and Tissington, Peter, to Lever Brothers Company. Detergent composition. 3,822,222, 7-2-74, Cl. 252-558.000.

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Pettinger, Donald Stanley; and Roberts, Geoffrey Alfred, to Nuclear Power Group Limited, The. Nuclear reactor. 3,804,711, 4-16-74, Cl. 176-84.000.

Pettipiece, Kenneth J., to United States of America, Atomic Energy Commission. Hydrogen-fluoride chemical laser oscillator. 3,803,512, 4-9-74, Cl. 331-94.500.

Pettit, Donald: *See*—
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Pettit, Morris W. Device for storing line. 3,838,830, 10-1-74, Cl. 242-96.000.

Pettit, Paul H., Jr., to Du Pont de Nemours, E. I., and Company. Acrylic polyblend powder coating composition. 3,784,501, 1-8-74, Cl. 260-31.600.

Pettit, Paul H., Jr., to Du Pont de Nemours, E. I., and Company. Thermosetting acrylic powder coating composition of a polyblend of acrylic polymer having a high glass transition temperature and an acrylic polymer having a low glass transition temperature and a cross-linking agent. 3,846,368, 11-5-74, Cl. 260-39.00r.

Pettitt, David J.: *See*—
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Pettrie, Harry L., and Jackson, Ralph W. Lock for a sliding glass door. 3,830,534, 8-20-74, Cl. 292-162.000.

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Petty, Eugene D., Jr., and Sberna, Samuel R., to Du Pont de Nemours, E. I., and Company. Process for drying and crystallizing coatings. 3,850,671, 11-26-74, Cl. 117-64.00c.

Petty Geophysical Engineering Company: *See*—
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Petty, William D.; and Liddle, David E., to Owens-Illinois, Inc. Drive waveform for gas discharge display/memory panel. 3,801,861, 4-2-74, Cl. 315-169.0tv.

Petty, William D., to Owens-Illinois, Inc. Method and apparatus for operating gaseous discharge display/memory panels in saturation mode. 3,821,597, 6-28-74, Cl. 315-169.0tv.

Petty, William D.; and Rough, Kirkwood H., to Owens-Illinois, Inc. Electronic conditioning of gaseous discharge display panels. 3,833,831, 9-3-74, Cl. 315-169.000.

Petty-Ray Geophysical, Inc.: *See*—
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Pettyjohn, William J., Jr., to Westinghouse Electric Corporation. Recessed square fluorescent luminaire. 3,796,870, 3-12-74, Cl. 240-51.11r.

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Petulla, Laurence R.; and Fik, Harris B. Apparatus for applying therapeutic traction in progressive intermittent increase of magnitude. 3,786,803, 1-22-74, Cl. 128-75.000.

Petutschnigg, Karl. Modulation mechanism for harps. 3,853,030, 12-10-74, Cl. 84-266.000.

Petzetakis, Aristovoulos G. Composite synthetic-resin sheet material. 3,783,067, 1-1-74, Cl. 156-163.000.

Petzetakis, Aristovoulos G. Method of making a pipe-coupling part. 3,823,216, 7-9-74, Cl. 264-89.000.

Petzetakis, Aristovoulos G. Apparatus for making thermoplastic pipe coupling parts. 3,843,302, 10-22-74, Cl. 425-388.000.

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Petzold, Wolfgang. Device for conducting current to a rotating electroplating barrel. 3,798,148, 3-19-74, Cl. 204-213.000.

Petzoldt, Karl: *See*—
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Petzsch, Lothar: *See*—
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Peuchmaur, Alphonse, to Commissariat a l'Energie Atomique. Device for providing heat insulation at high temperatures. 3,847,148, 11-12-74, Cl. 138-178.000.

Peuillot, Gilbert: *See*—

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Peura, Warren A., to Consolidated Foods Corporation. Roller assembly and method of making the same. 3,785,217, 1-15-74, Cl. 74-230.300.

Pevararo, Cesare, to Societa' per La Strada Guidata S.r.l. Tracked vehicle system. 3,826,197, 7-30-74, Cl. 104-130.000.

Peveraro, Cesare, to Societa' per La Strada Guidata S.r.L. Switches or points for tracks for vehicles. 3,855,938, 12-24-74, Cl. 104-130.000.

Peverill, William J., to International Telephone and Telegraph Corporation. Electrical connector. 3,825,874, 7-23-74, Cl. 339-14.00r.

Pevic, William V. Tow bar. 3,797,846, 3-19-74, Cl. 280-24.000.

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Pevzner, Semen Albertovich; and Koire, Viktor Evseevich. Method of truing up heavy workpieces on the table of a metal-cutting machine and such table for carrying said method into effect. 3,807,034, 4-30-74, Cl. 29-559.000.

Pew, Richard Garth: *See*—
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Pews, R. Garth: *See*—
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Pews, R. Garth, to Dow Chemical Company, The. Fire retardant plasticizers. 3,804,792, 4-16-74, Cl. 260-31.600.

Pews, R. Garth; and Gunsher, Jeffrey A., to Dow Chemical Company, The. Tris-(polyhalophenoxy)-s-triazine. 3,843,650, 10-22-74, Cl. 260-248.0es.

Pews, Richard Garth; McKendry, Lennon H., and Rodia, Ralph M., to Dow Chemical Company, The. Process for preparing pyridylcarbamates. 3,804,844, 4-16-74, Cl. 260-295.0am.

Pexton, Harold W.: *See*—
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Peyer, Siegfried. *See*—
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Peynaud, Francois; and Posseme, Gilles, to Thomson-CSF. Navigation systems utilising the doppler effect. 3,818,425, 6-18-74, Cl. 340-3.00r.

Peyrot, Jean, to Compagnie Francaise de Raffinage. Process for the crosslinking of polystyrene. 3,822,244, 7-2-74, Cl. 260-93.50a.

Peyrot, Jean-Pierre. Centering chuck. 3,782,740, 1-1-74, Cl. 279-2.000.

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Peyser, Harry A.: *See*—
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Peytavin, Pierre, to Societe Anonyme dite. Vallouree (Usines a Tubes de Lorraine-Escaut et Vallouree Reunies). Method for facing the ends of pipes. 3,834,273, 9-10-74, Cl. 90-11.00e.

Peytavin, Pierre, and Babel, Louis, to Societe Civile d'Etudes de Centrifugation. Method and apparatus for cutting into sections the castings produced by a continuous rotary casting machine. 3,835,740, 9-17-74, Cl. 82-47.000.

Peytavin, Pierre, to Societe Anonyme dite. Vallouree (Usines a Tubes de Lorraine-Escaut et Vallouree Reunies). Continuous drawing bench. 3,844,152, 10-29-74, Cl. 72-290.000.

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Peytier, Andre: *See*—
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Peyton, Gary. *See*—
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Pez, Guido P., to Allied Chemical Corporation. Zirconocene naphthalene complex. 3,839,381, 10-1-74, Cl. 260-429.300.

Pezaris, Constantine D.; Tegan, William P., and Trame, Paul J., to Thermo Electron Corporation. Automatic vapor engine start-up. 3,797,249, 3-19-74, Cl. 60-646.000.

Pezot, Jacques, to Commissariat a l'Energie Atomique. Laser generator for single transverse mode operation. 3,825,856, 7-23-74, Cl. 331-94.50e.

Pezot, Jacques, to Commissariat a l'Energie Atomique. Pulse generator for delivering rectangular pulses having fast rise and fall times. 3,849,732, 11-19-74, Cl. 328-59.000.

Pezzaglia, Paolo, to Carrozzeria Boneschi Srl. Extendable vehicle body. 3,797,880, 3-19-74, Cl. 296-26.000.

Pezzani, Guido: *See*—
Ryall, Michael Leslie; Anderson, Harold Henry, and Pezzani, Guido, 3,801,217.

Pezzino, Carmine. Portable canine toilet. 3,786,780, 1-22-74, Cl. 119-1.000.

Pezzutti, David August, to Bell Telephone Laboratories, Incorporated. Digital multifrequency signal generator. 3,838,348, 9-24-74, Cl. 328-167.000.

Pfadenhauer, Dieter: *See*—
Hellriegel, Edmund, and Pfadenhauer, Dieter, 3,791,693.

Pfadenhauer, Ernest H. High pressure gradient chamber for liquid chromatography. 3,830,369, 8-20-74, Cl. 210-498.00e.

Pfaendler, Jorg, to Spemot AG. Massaging apparatus. 3,802,423, 4-9-74, Cl. 128-55.000.

Pfafe, Alan R., Jr., to Bernal Rotary Systems, Inc., mesne. Apparatus for making cylindrical dies. 3,796,851, 3-12-74, Cl. 219-69.00v.

Pfaff & Kendall: *See*—
Pfaff, Henry C., Jr., and Bowser, Wenard, Jr., 3,790,814.

Pfaff, Alfred: *See*—
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Meier, Gunter, 3,817,195.
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Mall, Gunther, 3,808,992.
Schneider, Franz; and Wenz, Herbert, 3,799,091.
Stockel, Wilhelm, 3,782,310.

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Mall, Gunther, 3,782,308.
Martin, August; and Albrecht, Ernst, 3,804,038.

Pfaffendorf, James L., and Johnson, Marlyn D., to Liberty Carton Co. Tote tray. 3,784,083, 1-8-74, Cl. 229-34.00r.

Pfaffle, Ernst, to Sickinger, Hans, Company. Wire coiling tool. 3,818,954, 6-25-74, Cl. 140-92.300.

Pfaffle, Ernst, to Sickinger, Hans, Company. Coil binding machine. 3,826,290, 7-30-74, Cl. 140-92.700.

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Pfaffmann, George D., and Hammond, Michael R., to Park-Ohio Industries, Inc. Method for inductively heating valve seats. 3,837,934, 9-24-74, Cl. 148-146.000.

Pfahl, Kurt J. Lock pintle for a rudder. 3,854,434, 12-17-74, Cl. 114-172.000.

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Pfannmueller, Helmut: *See*—
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Pfarrwaller, Erwin, to Sulzer Brothers Ltd. Multiple weft mechanism for a weaving machine. 3,791,418, 2-12-74, Cl. 139-122.00a.

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Pfeffer, Gerd: *See—*
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Pfeffer, Simon: *See—*
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Pfefferle, William C., to Engelhard Minerals & Chemicals Corporation. Two stage combustion process. 3,846,979, 11-12-74, Cl. 60-39.040.

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Pfeifer, John. Combination expandable cutting and seating tool. 3,782,848, 1-1-74, Cl. 408-156.000.

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Pfeifer, Louis F. Jr., to Heyman Manufacturing Company. Female contact blade PN. 3,823,392, 7-9-74, Cl. 339-295.00r

Pfeifer, Pius. Flush valve device for toilets. 3,790,968, 2-12-74, Cl. 4-38.000.

Pfeiffer, Erich A. Device for sensing and warning of excessive ambulation force. 3,791,375, 2-12-74, Cl. 128-2.000.

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Pfeiffer, Hans Walter: *See—*
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Pfeiffer, Heinrich; Kolb, Karl Heinz; Harwart, Alois; and Schulze, Paul E., to Schering Aktiengesellschaft. β-(2,4,6-Triiodo-3-acetamidinophenyl)-propionic acids. 3,812,151, 5-21-74, Cl. 260-326.470.

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Pfeiffer, John C. Device for testing semiconductors and other electrical components. 3,825,828, 7-23-74, Cl. 324-158.00t.

Pfeiffer, Josef: *See—*
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Pfeiffer, Wolfgang: *See—*
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Pfeiler, Leslie H.: *See—*
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Pfendler, Donald L.: *See—*
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Pfister, Jurg R.; Harrison, Ian T.; and Fried, John H., to Syntex Corporation. Substituted xanthone carboxylic acid compounds. 3,801,598, 4-2-74, Cl. 260-335.000.

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Pflasterer, Peter W., to Tennelec, Inc. Scanning radio receiver. 3,824,475, 7-16-74, Cl. 325-470.000.

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Pfundstein, Karl, to Bopp & Reuther GmbH. Valve construction. 3,807,690, 4-30-74, Cl. 251-304.000.

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Phillipps, Gordon Hanley; and May, Peter John, to Glaxo Laboratories, Limited. Androstane-17β-carboxylic acids and processes for the preparation thereof. 3,828,080, 8-6-74, Cl. 260-397.100.
Phillipps, Gordon Hanley; and May, Peter John, to Glaxo Laboratories Limited. δ⁹ (9) Steroids of the pregnano series. 3,845,085, 10-29-74, Cl. 260-397.450.
Phillipps, Gordon Hanley; May, Peter John; McDonald, Brian; and Woollett, Edward Arthur, to Glaxo Laboratories, Limited. Anti-inflammatory steriods of the androstane series having a halo-substituted C_1-C_2 alkoxy carbonyl group at the 17β position. 3,856,828, 12-24-74, Cl. 260-397.100
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Phillips, Donald D.; and Ward, Loyal F., Jr., deceased (by Ward, Melba L.; executrix), to Shell Oil Company. 2-Chlorovinyl ethyl isopropyl phosphoramidate and 2-chlorovinyl ethyl diethyl phosphoramidate. 3,852,396, 12-3-74, Cl. 260-957.000
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Phillips, Edward H.; and Phillips, Edwin D. Pollution-free combustion engine and unique fuel therefor. 3,818,875, 6-25-74, Cl 123-25.00e
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Phillips, James L. Baffle means for heat exchanger, and method of fabrication thereof. 3,848,573, 11-19-74, Cl. 122-149.000.
Phillips, James T. Jr. Hoop propelling device. 3,827,180, 8-6-74, Cl. 46-220.000.
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Phillips, John J.; and Clark, Thomas A., to G & H Technology, Inc. Parachute release. 3,787,011, 1-22-74, Cl. 244-150.000.
Phillips, John R., to Occidental Petroleum Corporation. Hot ball desalination process. 3,843,462, 10-22-74, Cl. 203-11.000.
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Pickett, Charles G.; and Molnar, James V., to Bio-Medical Sciences Inc. Method and apparatus for depositing precisely metered quantities of liquid on a surface. 3,810,779, 5-14-74, Cl. 117-37.000.
Pickett, Charles G.; and Chadha, Desh D., to Bio-Medical Sciences, Inc. Temperature indicator. 3,826,141, 7-30-74, Cl. 73-356.000.
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Pickles, Joseph, to Ferro Manufacturing Corporation. Safety seat track construction. 3,845,982, 11-5-74, Cl. 296-65.00a.
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Pickles, Sidney. Rotating beacon antenna with polarization filter. 3,795,914, 3-5-74, Cl. 343-756.000.
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Pierce, Bernard N., to Merrow Machine Company, The. Sewing machine noise and vibration reduction. 3,812,802, 5-28-74, Cl. 112-218.00r.
Pierce, Donald Cameron. Device for cutting ovals in mats or glass sheets. 3,845,676, 11-5-74, Cl. 82-1.300.
Pierce, Everette M., to United States of America, Army. Nitrocellulose solid propellant composition with load additive to reduce radar attenuation. 3,808,061, 4-30-74, Cl. 149-18.000.
Pierce, Howard E.: *See*—
Arn, Fred A.; Dowicki, William J.; and Pierce, Howard E., 3,801,062.
Pierce, Howard H. Ski ensemble. 3,801,117, 4-2-74, Cl. 280-11.13k.
Pierce, Irving L.: *See*—
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Pierce, Joe T., to Texas Instruments, Incorporated. Method for fabricating magnetic read-write head array and product. 3,839,784, 10-8-74, Cl. 29-603.000.
Pierce, John M.: *See*—
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Pierce, John N.; and Holt, F. Sheppard, to United States of America, Air Force. Spectrum analysis radar system. 3,795,912, 3-5-74, Cl. 343-5.0sa.
Pierce, Joseph E., to Dart Industries Inc., mesne. Aseptic packaging method and machine. 3,783,581, 1-8-74, Cl. 53-37.000.
Pierce, Norton T.: *See*—
Ehrenfried, Albert D.; and Pierce, Norton T., 3,783,689.
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Pierce, Ogden R.: *See*—
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Pierce, Richard H., to Philadelphia Quartz Company. Process for preparation of agglomerated hydrated alkali metal silicate glass particles. 3,782,906, 1-1-74, Cl. 23-313.000.
Pierce, Richard H., and Vessey, Eric W., to Philadelphia Quartz Company. Coated detergent compositions. 3,819,526, 6-25-74, Cl. 252-135.000.
Pierce, Ronald F., to NRM Corporation. Rotary seal. 3,853,328, 12-10-74, Cl. 277-72.00r.
Pierce, Stanely L., Jr.: *See*—
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Pierce, Victor Joel: *See*—
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Pierce, Wayne M., Jr. Cable winch. 3,836,122, 9-17-74, Cl. 254-172.000.
Pierce, William C.: *See*—
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Pierce, William C., to Pitts Industries, Inc. Double clutch for vehicle air conditioning compressor. 3,842,378, 10-15-74, Cl. 335-220.000.
Pierce, Zona R.; Haist, Grant M.; Staples, Jon T.; and Pupo, David A., to Eastman Kodak Company. Photographic element, composition and process having an S-carbamoyl stabilizer. 3,824,103, 7-16-74, Cl. 96-109.000.
Pierce-All Manufacturing Limited: *See*—
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Piercy, Paul L. Compartment closure and supplemental vehicle body. 3,841,690, 10-15-74, Cl. 296-10.000.
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Pierdet, Andre; and Azadian, Genevieve, to Roussel-UCLAF. Trienic steroids, process of their preparation and methods of their use 3,790,564, 2-5-74, Cl. 260-239.55e.
Pierdet, Andre, to Roussel-UCLAF. Novel steroid ester. 3,803,132, 4-9-74, Cl. 260-239.500.
Pierdet, Andre; and Bonne, Claude, to Roussel-UCLAF. 11α-Alkoxylated steroids, process and therapeutic method. 3,818,056, 6-18-74, Cl. 260-397.450.
Piere, Benjamin H. Automobile impact absorption apparatus. 3,791,692, 2-12-74, Cl. 296-31.00p.
Pieren, Hermann, AG.: *See*—
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Pierie, Charles Gorgas. Door return and closure mechanism 3,828,393, 8-13-74, Cl. 16-65.000.
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Pierre, Jean: *See*—
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Pierron, Claude Raymond; and Zuccaro, Robert, to Les Applications Industrielles Vosgiennes Sapivog. Method of assembling extensible elements in particular through a continuous process on garment portions and articles obtained thereby, 3,798,678, 3-26-74, C. 2-243.00r.

Piersma, Leonardus Jacovus; and Siemes, Albertus Frederikus, to N.V. Rubberfabriek Vredestein. Method and apparatus for manufacturing tire inner tubes with air valves, and tire inner tubes with air valve manufactured by application of the method, 3,801,398 4-2-74, Cl. 156-120.000.

Pierson, Howard P.: *See—*
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Pierson, Joseph E.; and Stookey, Stanley D., to Corning Glass Works. Products prepared from soluble silicate solutions, 3,782,982, 1-1-74, Cl. 106-75.000.

Pierson, Karl B., to Betts Machine Company. Fluid storage tank emission collection hood, 3,854,623, 12-17-74, Cl. 220-85.00p.

Pierson, Marvin B., to Armco Steel Corporation. Method and apparatus for heating metallic strip, 3,837,790, 9-24-74, Cl. 432-8.000.

Piesch, Steffen, Herrmann, Erwin, Peath, Dieter; and Engelhardt, Friedrich, to Cassella Farbwerke Mainkur Aktiengesellschaft. Process for the production of polymers, 3,803,112, 4-9-74, Cl. 260-89.70r.

Pieseh, Steffen, Engelhardt, Friedrich, Herrmann, Erwin, and Plath, Dieter, to Cassella Farbwerke Mainkur Aktiengesellschaft. 1-Esters of 3-organosulfonyl-2-aza-succinic acid and base addition salts thereof, 3,839,410, 10-1-74, Cl. 260-468.00e

Piester, Loyd W., to PPG Industries, Inc. Method of separating chlorine from chlorine-anolyte liquor froth on an electrolytic cell, 3,855,091, 12-17-74, Cl. 204-128.000.

Piet, Meyer, to Futurecraft Corporation. Pneumatic abrasive cutting apparatus, 3,815,286, 6-11-74, Cl. 51-12.000.

Pietenpol, William J., to Bell & Howell Company. Card return mechanism, 3,821,519, 6-28-74, Cl. 235-61.11d

Pietermaat, Francois Paul, Peytier, Andre; and Berckmans, Walter, to AGFA-Gevaert N.V. Device for recording images with signal level being maintained for one line period, 3,829,608, 8-13-74, Cl. 178-6.60a

Pieters, Ferdinandus A.: *See—*
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Pieters, Leon Andre; and Ward, David Charles, to Image Analysing Computers Limited. Density measurement by image analysis, 3,787,620, 1-22-74, Cl. 178-7.100

Pieters, Leon Andre, to Image Analysing Computers Limited. Information modification in image analysis systems employing line scanning, 3,835,245, 9-10-74, Cl. 178-6.800.

Pieters, William Johan Meindert, Freel, John; and Anderson, Robert Bernard, to Grace, W. R., & Co. Method of regenerating an aged raney nickel catalyst with carboxylic acid and base treatment, 3,796,670, 3-12-74, Cl. 252-413.000

Pietkiewicz, Robert S.: *See—*
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Pietro, Bruno, to Raptes Researches Applications and Trade Establishment. Electrical contact for equipment used in the electrolytical production of metals particularly copper, 3,799,861, 3-26-74, Cl. 204-279.000.

Pietroni, Piero, to Technofil S.p.A. Drawing-pulley group for a wire-drawing machine for thin metal wires, 3,811,312, 5-21-74, Cl. 72-278.000.

Pietroni, Piero, to Technofil S.p.A. Continuous metal wire annealing furnace, 3,830,478, 8-20-74, Cl. 266-3.00r.

Pietrowiak, Fritz, Installation for the manufacture of finished components, 3,825,394, 7-23-74, Cl. 425-404.000.

Pietrowian, Mary, Dual face illuminated doll, 3,791,068, 2-12-74, Cl 46-228.000

Pietrzak, Joe P., and Waltersheide, William R., to General Motors Corporation. Ejector spillguard ice cube tray, 3,806,077, 4-23-74, Cl. 249-69.000.

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Piffath, Rodney S.; and Cole, John J., to International Fire Tool Corporation. LPG valve assembly, 3,800,979, 4-2-74, Cl. 220-89.00a

Piffath, Rodney S.; and Cole, John J., to International Fire Tool Corporation. Lighter construction, 3,820,941, 6-28-74, Cl. 431-254.000.

Pifferi, Giorgio, to I.S.F., S.p.A. Method for the preparation of derivatives of 5-hydroxy-2-carboxychromone, 3,843,687, 10-22-74, Cl. 260-345.200.

Pigabe, Robert F.: *See—*
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Piggott, David C., to Poly-Converters Limited. Method and apparatus for filtering flowable material, 3,817,377, 6-18-74, Cl 210-76.000

Piggott, Dennis S., to Aluminum Company of America. Shipping rack, 3,796,340, 3-12-74, Cl. 217-36.000

Piggott, Richard G., to Spraying Systems Co. Foam producing nozzle, 3,784,111, 1-8-74, Cl. 239-427.300.

Piggy-Back Trailer Rental Limited. *See—*
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Pigna, Daniele Pesenti; and Camozzi, Antonio, to Cartiere Paolo Pigna S.p.A. Apparatus for binding loose perforated sheets for albums, copy-books, calendars and the like, 3,854,158, 12-17-74, Cl. 11-1.00a

Pignatelli, Frank C. Oscillatory mirror device, 3,799,658, 3-26-74, Cl. 350-289.000.

Pignato, James M. Reusable container, 3,790,061, 2-5-74, Cl. 229-2.500

Pignato, James M. Water closet, 3,790,967, 2-12-74, Cl. 4-28.000.

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Pijpers, Cornelis A., to Controls Company of America. Pressure switch having pressure hose connection through case and diaphragm, 3,839,609, 10-1-74, Cl. 200-83.00b

Pijpers, Franciscus W.: *See—*
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Pike, Brian R., 30% to Schneider, William S., 30% to Schneider, Carl F. and 10% to Rodgers, V. Wayne, Mrs. Method of forming containers and packages, 3,785,111, 1-15-74, Cl. 53-14.000.

Pike, Brian R., 30% to Schneider, William S., 30% to Schneider, Carl F. and 10% to Rodgers, V. Wayne, Method of forming a package, 3,807,118, 4-30-74, Cl. 53-14.000

Pike, Daniel E., to Air Pollution Industries, Inc. Gas collector for steel furnace, 3,785,630, 1-15-74, Cl. 266-16.000

Pike, Daniel E., to Air Pollution Industries, Inc. Gas cleaning apparatus, 3,841,061, 10-15-74, Cl. 55-223.000.

Pike, Herbert J., to Stevens, J. P., & Co., Inc. Apparatus and process for air texturizing of yarns, 3,831,363, 8-27-74, Cl. 57-34.00b.

Pike, Ian Holden, to Imperial Chemical Industries Limited. Method of conserving forage with acid and nitrite mixture, 3,857,984, 12-31-74, Cl. 426-335.000.

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Pike, John E.; and Schneider, William P., to Upjohn Company, The. 16-Methyl and ethyl PGE_1 and 16,16 dimethyl and diethyl 3,813,433, 5-28-74, Cl. 260-514.00d.

Pike, John E., to Upjohn Company, The. Prostaglandin E[1D, F[1D, and A[1D analogs, 3,833,640, 9-3-74, Cl. 260-468.00d.

Pike, John E., to Upjohn Company, The. Prostagland E_1 F_1 and A_1 analogs, 3,847,966, 11-12-74, Cl. 260-468.00d

Pike, John E.; and Schneider, William P., to Upjohn Company, The. 15-Alkyl prostaglandins $F_1\alpha$, 3,855,270, 12-17-74, Cl. 260-468.00d.

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Pike, Peter P., to Westinghouse Brake and Signal Company, Limited. Proving circuits for vehicle wheel spin or slide correction apparatus, 3,823,373, 7-9-74, Cl. 324-73.00r

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Pikor, Jerome W. Apparatus for cutting notch sensitive materials, 3,839,006, 10-1-74, Cl. 65-174.000

Pilarczyk, Karol, to Carrier Corporation. Interchangeable compressor drive, 3,809,493, 5-7-74, Cl. 415-199.00a

Pilarczyk, Karol, to Carrier Corporation. Compressor base and intercoolers, 3,835,918, 9-17-74, Cl. 165-47.000

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Pilat, Izrail Moiseevich, Samoilovich, Anatoly Grigorievich, Solnchuk, Kornei Denisovich, and Osipov, Eduard Vaganovich. Zinc-cadmium antimonide single crystal anisotropic thermoelement, 3,785,875, 1-15-74, Cl. 136-205.000

Pilat, Peter, to Broach Systems, Inc. Coin wrapping machine, 3,802,446, 4-9-74, Cl. 133-1.00a

Pilat, Peter, to National State Bank, The, mesne. Coin wrapping machine, 3,827,546, 8-6-74, Cl. 198-53.000

Pilat, Peter, to National State Bank, The, mesne. Coin wrapping machine, 3,831,783, 8-27-74, Cl. 214-7.000

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Pilch, John S., to Ware Machine Works, Inc. Single lever control mechanism, 3,800,615, 4-2-74, Cl. 74-471.0xy

Pilch, John S., to Ware Machine Works, Inc. Telescopic apparatus, 3,809,250, 5-7-74, Cl. 212-55.000

Pilch, John S., to Ware Machine Works, Inc. Foot pedal valve control for earth-moving equipment, 3,841,172, 10-15-74, Cl. 74-512.000.

Pilcher, John Randolph, Welder's hammer tool, 3,821,824, 7-2-74, Cl. 7-8.000.

Pile, Benjamin D., to United States of America, Army. Portable surgical lamp, 3,783,262, 1-1-74, Cl. 240-1.400

Pilgram, Kurt H., to Shell Oil Company. Control of unwanted plants using 1-benzylideneammo-2-hydantoins, 3,830,805, 8-20-74, Cl. 260-240.00f

Pilgram, Kurt H.; and Skiles, Richard D., to Shell Oil Company. Thiazoles herbicidal, 3,847,588, 11-12-74, Cl. 71-90.000

Pilgram, Kurt H. G.: *See—*
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Pilgram, Kurt H. G.; and Skiles, Richard D., to Shell Oil Company. Pyrimidone herbicides, 3,823,135, 7-9-74, Cl. 260-251.00r

Pilhofer, Theo. Method for measuring the size of the disperse elements in a fluid immiscible two-phase system, 3,818,200, 6-18-74, Cl. 235-151.300.

Piliero, James. Coil spring anchor assembly, 3,783,459, 1-8-74, Cl 5-259.00b.

Piliero, James. Interlaced wire locking apparatus for coiled box spring construction, 3,833,949, 9-10-74, Cl. 5-259.00b

Pilipovich, Donald, to Rockwell International Corporation. Process for producing energy in a gas generator system, 3,783,617, 1-8-74 Cl. 60-218.000

Pilipovich, Donald, and Lindahl, Charles B., to United States of America, Navy. Process for preparation of chlorine nitrate, 3,798,312, 3-19-74, Cl. 423-386.000

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Pillar, Walter O., and Altares, Timothy, Jr., to Arco Polymers, Inc. Foamed particles for loose fill packaging, 3,819,544, 6-25-74, Cl 260-2.50b

Pillar, Walter O., and Sutton, Robert A., to Arco Polymers, Inc. Self-extinguishing polymer compositions containing hexabromo-2-butene, 3,819,547, 6-25-74, Cl. 260-2.5fp

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Piller, Bernhard, Meier, Max, Duennenberger, Max, Biland, Hans Rudolf, and Luethi, Christian, to Ciba-Geigy AG. Photographic material stabilised against ultraviolet radiation, 3,785,827, 1-15-74, Cl. 96-84.00b

Piller, Bernhard, to Ciba-Geigy AG. Photographic material with bleachable dye, 3,787,215, 1-22-74, Cl. 96-99.000

Piller, Bernhard, and Lenoir, John, to Ciba-Geigy AG. Disazo dyes containing a bis-urea bridging group, 3,808,194, 4-30-74, Cl. 260-175.000

Piller, Bernhard, Meier, Max, Dunnenberger, Max, Biland, Hans Rudolf, and Luthi, Christian, to Ciba-Geigy AG. Photographic material stabilised against the deleterious effects of ultraviolet radiation, 3,843,371, 10-22-74, Cl. 96-84.00r

Piller, Bernhard, to Ciba-Geigy AG. S-triazine derivatives, 3,845,049, 10-29-74, Cl. 260-248.0es

Piller, Bohumil, Suchanek, Jiri, Minarik, Josef, and Lacko, Vladimir to Vyzkumny Ustav Pletarsky. Patterned fabrics having relief patterns and method of producing the same, 3,795,569, 3-5-74, Cl 161-72.000

Piller, Bohumil, Lacko, Vladimir, Kochta, Zdenek, and Koudelka, Bedrich, to Vyzkumny Ustav Pletarsky. Method of producing relief patterned nonwoven textiles, 3,835,512, 9-17-74, Cl. 28-72.0lt

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Pillet, Jean, to Rhone-Poulenc S.A. Implantable joint prosthesis, 3,818,513, 6-25-74, Cl. 3-1.000

Pilhar, Robert M., to Ontario Research Foundation. Surgical prosthetic device with porous metal coating, 3,855,638, 12-24-74, Cl. 3-1.000.

Pilling, Harold William Cliff, and Le Cardonnel, Gerard Marcel, to International Standard Electric Corporation. Telephone subscriber line circuit, 3,855,421, 12-17-74, Cl. 179-18.0fa

Pillischafske, Edward L.: Clamp bolt for an automotive vehicle battery. 3,829,824, 8-13-74, Cl. 339-230.00e.

Pilloff, Herschel S.; and Cody, Regina J., to United States of America, Navy. Simultaneous two wavelength operation in infrared lasers. 3,840,823, 10-8-74, Cl. 331-94.50e.

Pilloff, Herschel S., to United States of America, Navy. Longitudinally-pumped two-wavelength lasers. 3,857,109, 12-24-74, Cl. 331-94.500.

Pillon, Daniel: *See—*
Demozay, Daniel; Pillon, Daniel; and Dueret, Jacques. 3,790,582.

Pillon, Marcel Octave, to Pont-A-Mousson S.A. and Societe Emballages Monles. Method and machine for constructing a rectangular sided packing around an object of any shape. 3,851,439, 12-3-74, Cl. 53-29.000.

Pillot, Jean Noel; and Zaccone, Pierre, to International Standard Electric Corporation. PCM detector. 3,803,502, 4-9-74, Cl. 329-104.000.

Pillsbury Company, The: *See—*
Bertling, Rudolph B.; and Kerr, Edward R., 3,812,647.
Brooking, Betty L.; and Wright, William F., 3,851,083.
Dryo, William R.; and Standing, Charles N., 3,787,597.
Durst, Jack R.; and Winters, William C., 3,788,861.
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Katz, Morris H.; and Durst, Jack R., 3,833,741.
Katz, Morris H.; and Brandberg, Lawrence C., 3,851,574.
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Pedersen, Dennis C.; and Sautier, Philip M., 3,833,739.
Reid, Francis R.; and Gwiazdon, Rodney K., 3,840,966.
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Rodgers, Nelson E.; and Durst, Jack R., 3,832,472.
Rogers, Nelson E.; and Gidlaw, Rolf Gunnar, 3,851,085.
Schacht, Henry Neil, 3,787,926.
Sweet, Samuel G., 3,805,009.
Turpin, Charles H., 3,851,757.

Pillus, Charles A.: *See—*
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Pilon, Howard M.; Sattavara, Sven W.; and Scheehter, Michael M., to Ford Motor Company. Power steering gear actuator. 3,831,701, 8-27-74, Cl. 180-79.20r.

Pilot Man-Nen Hitsu Kabushiki Kaisha: *See—*
Shindo, Masashi, 3,826,485.

Pilot Man-Nen-Hitsu Kabushiki Kaisha: *See—*
Endo, Shigeru, 3,857,313.
Inami, Toshio, 3,838,612.
Tsuji, Senzo; Sekikawa, Takashi; and Yamaguchi, Morio, 3,857,337.
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Pilot Research Corporation: *See—*
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Fregeolle, Oscar, 3,834,191.
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Shields, Harper, 3,832,869.

Pilot Research Corporation, mesne: *See—*
Carswell, Theodore R., 3,800,564.

Pilotte, Roland, Refrigerant wrap for an animal's limb. 3,822,705, 7-9-74, Cl. 128-379.000.

Pilston, Robert G. Lure container. 3,832,798, 9-3-74, Cl. 43-57.50r.

Piltingsrud, Harley V., to United States of America, Air Force. Isotropic neutron spectrometer. 3,792,280, 2-12-74, Cl. 250-390.000.

Piltzecker, John William: *See—*
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Pilz, William M., III, to Container Corporation of America. Cushioned folder. 3,791,571, 2-12-74, Cl. 229-40.000.

Pim, Norman L., to Gulf & Western Manufacturing Company. Balance bar for handling wrapper rolls of a strip coiling machine. 3,847,429, 11-12-74, Cl. 294-67.0aa.

Pim, Norman L., to Gulf & Western Manufacturing Company (Hastings). Cycloid press. 3,848,472, 11-19-74, Cl. 74-52.000.

Pimbley, Kenneth C.: *See—*
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Pimbley, Walter T.: *See—*
Chen, Winston H.; Meier, Johann H.; and Pimbley, Walter T., 3,839,721.
Meier, Johann H.; and Pimbley, Walter T., 3,832,719.

Pimental, David J.: *See—*
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Pimentel, Daniel R., to Texas Instruments, Incorporated. Valve. 3,845,931, 11-5-74, Cl. 251-11.000.

Pimiskern, Klaus: *See—*
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Hepp, Wolfgang; Pimiskern, Klaus; and Herbert, Werner, 3,833,981.
Hepp, Wolfgang; Pimiskern, Klaus; and Herbert, Werner, 3,836,212.

Pimsleur, Joel L. Camera holster. 3,813,017, 5-28-74, Cl. 224-26.00r.

Pinat, Gaston. Self-centering dual belt conveyor. 3,844,398, 10-29-74, Cl. 198-165.000.

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Pinchak, Paul R.: *See—*
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Pinchot, Louis. Toaster-broiler stacking unit. 3,823,658, 7-16-74, Cl. 99-340.000.

Pinchuk, Nina Ivanovna: *See—*
Paton, Boris Evgenievich; Makara, Arseny Martinovich; Lebedev, Vladimir Konstantinovich; Mosendz, Nikolai Alexandrovich; Pinchuk, Nina Ivanovna; Zhovnitsky, Igor Pavlovich; Nosatov, Valery Alexandrovich; Staruschenko, Elena Mikhailovna; Kuznetsov, Evgeny Ptrovich; Kalmykov, Valery Petrovich; Karpov, Vladimir Fedorovich; Dovzhenko, Alexei Fedorovich; Shanin, Nikolai Ilich; Piven, Grigory Antonovich; Gapshenko, Alexei Lavrentievich; Zuev, Boris Petrovich; Konstantinov, Nikolai Nikolaevich; and Popovichenko, Aexandr Maximovich, 3,807,485.

Pinckaers, B. Hubert, to Honeywell Inc. Solid state thermostat with droop compensation. 3,817,453, 6-18-74, Cl. 236-68.00e.

Pinckaers, B. Hubert, to Honeywell Inc. Electronic stroke adjust for motor control. 3,824,439, 7-16-74, Cl. 318-667.000.

Pinckaers, B. Hubert, to Honeywell Inc. Control system comprising differential amplifier with dual current comparator having two outputs separated by a deadband. 3,825,852, 7-23-74, Cl. 330-30.00d.

Pinckney Molded Plastics, Inc.: *See—*
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Pincoffs, Peter H.: *See—*
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Pine, Buddie J.; and Carter, John R., to Antekna, Inc. Transmission test set for telephone circuit data communication systems. 3,819,878, 6-25-74, Cl. 179-175.30r.

Pine, Donald L.: *See—*
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Pinede, Edouard; Barsellotti, John Anthony; and Laliccia, Frederico Riccardo, to International Standard Electric Corporation. Telephone system employing electronic matrix. 3,786,194, 1-15-74, Cl. 179-18.0ad.

Pinedo, Abraham Mejia. Portable imprinting device for embossed cards. 3,830,155, 8-20-74, Cl. 101-269.000.

Pinegin, Vladimir Alexandrovich: *See—*
Badenkov, Petr Fedorovich; Petrokas, Leonid Venediktovich; Portny, Gennady Lazarevich; Pukhova, Regina Lazarevna; Davidovich, Natalia Ivanovna; Roitburd, Isaak Shlemovich; Tsaplin, Nikolai Sergeevich; and Pinegin, Vladimir Alexandrovich, 3,785,905.

Pinegina, Margarita Vladimirovna: *See—*
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Pinel, John Fowler, to Bell-Northern Research Ltd. Telephone hybrid transformer balance network. 3,848,098, 11-12-74, Cl. 179-170.00d.

Pineno, Stephen; and Tamburro, Albert. Method and apparatus for backfilling an underground cavity. 3,786,639, 1-22-74, Cl. 61-35.000.

Pines, Alexander: *See—*
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Pines, Seemon H.: *See—*
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Karady, Sandor, Pines, Seemon H.; Ly, Manuel G.; and Sletzinger, Meyer, 3,828,049.
Karady, Sandor; Ly, Manuel G.; Pines, Seemon H., and Sletzinger, Meyer, 3,830,827.
Karady, Sandor; Pines, Seemon H.; Ly, Manuel G., and Sletzinger, Meyer, 3,847,969.
Sletzinger, Meyer; Karady, Sandor; Ly, Manuel G.; and Pines, Seemon H., 3,794,681.

Pinette, Laurier A., 49 1/2% to Ismann, Herbert. Method and apparatus for forming fine mesh non-woven web. 3,829,339, 8-13-74, Cl. 156-179.000.

Pineville Kraft Corporation: *See—*
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Pinezich, John R.: *See—*
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Carlson, Henry B.; and Pinezich, John R., 3,817,864.

Pinfield, Maurice John, to Placer Exploration Limited. Gearbox. 3,832,914, 9-3-74, Cl. 74-812.000.

Ping, Willard H., to Texaco Inc. Method and apparatus for cleaning a producing well. 3,822,750, 7-9-74, Cl. 166-309.000.

Pingaud, Bernard-Jean, to Eastman Kodak Company. Process for producing fine acicular gamma ferric oxide crystals. 3,843,773, 10-22-74, Cl. 423-634.000.

Pingault, Benoit A. M., to International Standard Electric Corporation. Pulse transmitter for transmission line. 3,851,098, 11-26-74, Cl. 178-68.000.

Pingel, Hans A. Locating stop for work to be machined or the like. 3,810,311, 5-14-74, Cl. 33-169.00r.

Pinhas, Henri, to Laboratories Laroche Navarron. 4[2-(α-methylphenethylamino)-ethoxy]-benzenes. 3,843,725, 10-22-74, Cl. 260-570.700.

Pinior, Gernot: *See—*
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Pink, David A., to Perkins, Brooks S., Incorporated. Dockboard. 3,781,934, 1-1-74, Cl. 14-72.000.

Pink, Frank A., to Ford Motor Company. Venting of electroform reflex inserts by laser drill. 3,811,647, 5-21-74, Cl. 249-160.000.

Pink, Frank A., to Ford Motor Company. Electrical heating bands for a feeding system. 3,812,323, 5-21-74, Cl. 219-535.000.

Pink, John J.; and Boldt, Melvin H., to Amana Refrigeration, Inc. Refrigerator with ice dispensing means. 3,798,923, 3-26-74, Cl. 62-266.000.

Pink, John J., to Amana Refrigeration, Inc. Container for supplying chilled water from a refrigerator or the like. 3,834,178, 9-10-74, Cl. 62-338.000.

Pink, William Barrington. Playing cards with matching portions for overlying each other. 3,806,127, 4-23-74, Cl. 273-137.00d.

Pinkard, Richard L. Framing template. 3,834,033, 9-10-74, Cl. 33-174.00g.

Pinke, Paul A.: *See—*
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Pinke, Paul A.; and Massie, Stephen N., to Universal Oil Products Company. Cyclialkylation of amines. 3,853,887, 12-10-74, Cl. 260-293.640.

Pinkel, Benjamin: *See—*
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Pinkerton, James David. Dual combustion process for an internal combustion engine. 3,789,807, 2-5-74, Cl. 123-1.00r.

Pinkerton, William E., to Huck Manufacturing Company. Tool for torquing and crimping fasteners. 3,792,632, 2-19-74, Cl. 81-10.000.

Pinkerton, William E., to Huck Manufacturing Company. Method of setting a threaded fastener. 3,834,011, 9-10-74, Cl. 29-517.000.

Pinkham, Jesse R., to Reynolds, R.J., Tobacco Company. System and apparatus for handling green leaf tobacco at the warehouse level. 3,828,662, 8-13-74, Cl. 100-7.000.

Pinkham, Jesse R.; Cockman, Arthur G.; and Joyce, Jerry Ray, to Reynolds, R. J., Tobacco Company. Tobacco harvester. 3,841,071, 10-15-74, Cl. 56-27.500.

Pinko, Manuel: *See—*
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Pinn, Ernest Henry, to National Research Development Corporation. Flexible wall surface. 3,791,086, 2-12-74, Cl. 51-212.000.

Pinna, Sanford. Detector for locating veins in living bodies. 3,782,365, 1-1-74, Cl. 128-2.00r.

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MacChesney, John B.; Pinnow, Douglas Arthur; and Van Uitert, Legrand Gerard, 3,806,224.

Pinnow, Douglas Arthur; and Van Uitert, Le Grand Gerard, to Bell Telephone Laboratories, Incorporated. Optical transmission line 3,853,384, 12-10-74, Cl. 350-96.0wg.

Pinnow, Kenneth E.; Mehta, J. M.; and Moskowitz, A., to Crucible Inc. Stainless steel. 3,832,244, 8-27-74, Cl. 148-37.000.

Pinot, Jean: *See—*
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Pinsky, Jules; Rieger, Carl J.; and Hokanson, Elmer N., to Mearl Corporation, The. Preparation of nacreous pigmented plastic objects. 3,819,566, 6-25-74, Cl. 260-42.140.

Pinsky, Jules; and Salame, Morris, to Monsanto Company. Plastic container. 3,843,754, 10-22-74, Cl. 260-890.000.

Pinsky, Jules, to Mearl Corporation, The. Preparation of pearlescent plastics. 3,845,180, 10-29-74, Cl. 264-41.000.

Pinson, John C.: *See—*
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Pintard, Frederick Bruce, to Johns-Manville Corporation. Corner adaptors for expansion joints. 3,811,714, 5-21-74, Cl. 285-229.000.

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Pinto, Peter J.; Kind, Donald M.; and McCarthy, Roy B., to Leslie Salt Co. High-speed liquid dispenser. 3,797,536, 3-19-74, Cl. 141-134.000.

Pintschovius, Ulrich; Schinzel, Erich, and Rosch, Gunter, to Farbwerke Hoechst Aktiengesellschaft. Monostyryl-naphthonitriles 3,822,305, 7-2-74, Cl. 260-465.00d.

Pinzone, Joseph A.: *See—*
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Pinzone, Joseph A.; Troje, Gerald J., and Schiavone, Edward L. Reflectors and mounts for panoramic optical systems. 3,846,809, 11-5-74, Cl. 354-95.000.

Pinzone, Salvatore M.: *See—*
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Pio, Bernard. Combination lock. 3,802,231, 4-9-74, Cl. 70-165.000.

Pioch, Robert J. Intrusion alarm system activated by touch sensitive door knob. 3,824,576, 7-16-74, Cl. 340-258.00e.

Piola, Also. Apparatus for providing resistant hollow cylindrical body members. 3,822,167, 7-2-74, Cl. 156-443.000.

Pioli, Alexander Joseph: *See—*
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Pioli, Alexander Joseph Peter; Hollyhead, William Brian, and Todd, Peter Frank, to Imperial Chemical Industries, Limited. Organometallic compounds and uses thereof. 3,813,423, 5-28-74, Cl. 260-429.300.

Pioli, Alexander Joseph Peter, to Imperial Chemical Industries, Limited. Preparation of transition metal complexes. 3,855,258, 12-17-74, Cl. 260-429.300

Pioneer Centrifuging Company: *See—*
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Piot, Jacques Claude Michel. Non-polluting chimney 3,841,207, 10-15-74, Cl. 98-58.000.
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Piper, Frank R., to Penn's Woods Products, Inc. Camouflage apparatus. 3,823,418, 7-16-74, Cl. 2-206.000.
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Pipes, George R., to Kenway Engineering, Incorporated. Handle engaging tote pan retractor. 3,809,259, 5-7-74, Cl. 214-16.40a
Pipitone, Joseph. Compact portable toothbrush 3,842,851, 10-22-74, Cl. 132-84.000.
Pipitone, Ralph M.: *See*—
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Pipkins, David D. Meat treating method 3,804,962, 4-16-74, Cl. 426-418.000.
Pipkins, David D., to Valspar Corporation, The. Container containing a carbonated product. 3,825,111, 7-23-74, Cl. 206-84.000.
Pippin, Reginald F., Jr. Reaction toy arrangement and method 3,785,083, 1-15-74, Cl. 46-74.00e
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Piquerez, Pierre Michel, to Piquerez, Ervin, S.A. Watch time display illumination. 3,851,460, 12-3-74, Cl. 58-50.00a.
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Piralli, Louis. Readily releasable clamped spline joint. 3,831,339, 8-27-74, Cl. 52-758.00d.
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Pirchl, Gerhard, to Romay AG. Visual display apparatus with character matrix. 3,846,605, 11-5-74, Cl. 200-316.000.
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Piret, Jean, to Automobiles Peugeot and Regie Nationale des Usines Renault. Hydraulic system for controlling a gearbox. 3,800,628, 4-2-74, Cl. 74-864.000.
Piret, Jean, to Automobiles Peugeot and Regie Nationale des Usines Renault. Control circuit for an automatic gear box. 3,822,611, 7-9-74, Cl. 74-753.000.
Piret, Jean, to Automobiles Peugeot and Regie Nationale des Usines Renault. Brake device for an automatic transmission. 3,837,439, 9-24-74, Cl. 188-72.600.
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Pirnie, Robert M., III, to Communication Equipment & Contracting Co., Inc. Area unit status system. 3,854,009, 12-10-74, Cl. 179-2.00a
Piro, Mario; Rivola, Luigi, and Notari, Bruno, to Snam Progetti S.p.A. Process for the preparation of silver base catalysts. 3,843,491, 10-22-74, Cl. 204-10.000
Pirochta, John F., Jr., to General Motors Corporation. Vehicle drive axle wheel assembly. 3,809,177, 5-7-74, Cl. 180-88.000.
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Pittman, Allen G.; and Wasley, William L., to United States of America, Agriculture. Siloxane polymers for soil-repellent and soil-release textile finishes. 3,809,783, 5-7-74, Cl. 260-46.50y.
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Pitts, Robert W., Jr., to Texaco Inc. Well logging method and means using an armored multiconductor coaxial cable. 3,855,468, 12-17-74, Cl. 250-262.000.
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Pitzer, Hans-Joachim; and Pietsch, Wolfgang B., to Hutt GmbH. Method of and apparatus for removing wood particles yielded in chipboard production. 3,833,327, 9-3-74, Cl. 425-203.000.
Pitzer, Kenneth H.; and Kuever, Paul H., to Adjustable Bushing Corporation. Quick acting vise. 3,806,107, 4-23-74, Cl. 269-188.000.
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Pivawer, Philip M.; Turley, Richard J.; and Hammond, Philip D., to Olin Corporation. Process for preparing tetrakis(2-haloalkyl) alkylene disphosphates. 3,803,272, 4-9-74, Cl. 260-973.000.
Pivawer, Philip M., to Olin Corporation. Process for preparing alicyclic α-nitroketones. 3,806,547, 4-23-74, Cl. 260-586.00a.
Pivawer, Philip M., to Olin Corporation. Process for preparing tris(2-haloalkyl) phosphites. 3,810,961, 5-14-74, Cl. 260-977.000.
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Paton, Boris Evgenievich; Makara, Arseny Martinovich; Lebedev, Vladimir Konstantinovich; Mosendz, Nikolai Alexandrovich; Pinchuk, Nina Ivanovna; Zhovnitsky, Igor Pavlovich; Nosatov, Valery Alexandrovich; Staruschenko, Elena Mikhailovna; Kuznetsov, Evgeny Ptrovich; Kalmykov, Valery Petrovich; Karpov, Vladimir Fedorovich; Dovzhenko, Alexei Fedorovich; Shanin, Nikolai Ilich; Piven, Grigory Antonovich; Gapshenko, Alexei Lavrentievich; Zuev, Boris Petrovich; Konstantinov, Nikolai Nikolaevich; and Popovichenko, Aexandr Maximovich, 3,807,485.
Piven, Grigory Antonovich; Khodich, Nikifor Karpovich; Gapshenko, Alexei Lavrentievich; and Fursov, Nikolai Nikolaevich. Method for the production of multilayer metal blanks. 3,820,585, 6-28-74, Cl. 174-94.000.
Piwonka, Thomas S., to TRW Inc. Method for directional solidification. 3,810,504, 5-14-74, Cl. 164-60.000.
Pizzedaz, Ronald D.: *See*—
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Levis, William W., Jr.; and Pizzini, Louis C., 3,823,176.
Pizzini, Louis C.; Ramlow, Gerhard G.; Patton, John T.; and Levis, William W., Jr., to BASF Wyandotte Corporation. Highly-stable graft copolymer dispersions in polyols containing unsaturated and polyurethanes prepared therefrom. 3,823,201, 7-9-74, Cl. 260-61.000.
Pizzo, Gustano A. Anti hijacking system for aircraft. 3,811,643, 5-21-74, Cl. 244-137.00p.
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Pizzurro, Rina M. Drapery hook. 3,829,928, 8-20-74, Cl. 16-87.200.
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Bendersky, David; and Poister, Clarence E., 3,790,970.
Place, Bruce S., to Magnetic Seal Corporation. Rotary seal. 3,788,650, 1-29-74, Cl. 277-38.000.
Place, Donald E., to Therm-O-Disc, Incorporated. Wide temperature range adjustable disc thermostat. 3,845,441, 10-29-74, Cl. 337-347.000.
Place, Virgil A., to Alza Corporation. Device for dispensing product with directional guidance member. 3,797,492, 3-19-74, Cl. 128-260.000.
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Karlovetz, Arthur R.; and Placek, Eugene W., 3,857,670.
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Plagata, Ernesto D.; Kichurchak, Michael; and O'Neal, Charles G., to Dow Chemical Company, The. Take-away assembly. 3,807,287, 4-30-74, Cl. 93-8.0wa.
Plagge, Vernon L., to Westinghouse Electric Corporation. Ceramic arc lamp construction. 3,855,494, 12-17-74, Cl. 313-184.000.
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Plamper, Gerhard R.; and Kaesgen, Juergen, to MTD Products Inc. Safety switch mechanism. 3,783,216, 1-1-74, Cl. 200-161.000.
Plana, Roberto, and Villazon, Francisco, to AMP Incorporated. Slotted plate connector. 3,835,444, 9-10-74, Cl. 339-98.000.
Plana, Roberto, to AMP Incorporated. Lamp housing assembly. 3,849,641, 11-19-74, Cl. 240-151.000.
Planche, Jean, to Schlumberger Technology Corporation. Well logging probes. 3,795,141, 3-5-74, Cl. 73-151.000.
Planche, Jean, to Schlumberger Technology Corporation. Well logging sonde having articulated centering and measuring shoes. 3,798,966, 3-26-74, Cl. 73-151.000.
Planche, Jean, to Schlumberger Technology Corporation. Apparatus for intercoupling well tool sections having electrical and fluid lines. 3,831,443, 8-27-74, Cl. 73-152.000.
Planchock, Jerry L.; Stewart, Daniel R.; and Brock, Thomas W., to Owens-Illinois, Inc. Glasses and glass-ceramics and products made therefrom. 3,841,950, 10-15-74, Cl. 161-55.000.
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Plank, Gordon R.: *See*—
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Plant, Ernest M., II, to General Motors Corporation. Rack and pinion steering gear. 3,788,159, 1-29-74, Cl. 74-422.000.
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Plant, Roland. Pack frame having pulley adjusting straps. 3,797,718, 3-19-74, Cl. 224-25.00a.
Plante, Emile A. P. Lobster plant. 3,815,546, 6-11-74, Cl. 119-2.000.
Plante, Floyd A., to Dow Corning Corporation. Coatings giving controlled release. 3,819,745, 6-25-74, Cl. 260-825.000.
Plante, Richard E. Techniques for forming semiconductor leads. 3,837,374, 9-24-74, Cl. 140-105.000.
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Plase, William C., III: *See*—
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Plasko, Emil Robert, to Micro Devices Corporation. Thermal limiter construction and electrical switch and system utilizing the same. 3,829,809, 8-13-74, Cl. 337-107.000.
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Plasser, Erna, Theurer, Josef; and Schubert, Egon, Mobile ballast cleaning machine. 3,850,251, 11-26-74, Cl. 171-16.000.
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Plasser, Franz, and Theurer, Josef, Track correction control 3,795,056, 3-5-74, Cl. 33-287.000.
Plasser, Franz, and Theurer, Josef Mobile track tamper for continuously correcting a track position. 3,795,198, 3-5-74, Cl. 104-12.000.
Plasser, Franz; and Theurer, Josef, Track tamping and leveling machine. 3,799,058, 3-26-74, Cl. 104-7.00r.
Plasser, Franz, and Theurer, Josef, Mobile track tamping and leveling machine. 3,807,311, 4-30-74, Cl. 104-12.000.
Plasser, Franz; and Theurer, Josef, Mobile track gage surveying apparatus. 3,808,693, 5-7-74, Cl. 33-144.000.
Plasser, Franz; and Theurer, Josef, Mobile ballast treating apparatus. 3,818,619, 6-25-74, Cl. 37-104.000.
Plasser, Franz; and Theurer, Josef, Mobile track survey apparatus. 3,821,853, 7-2-74, Cl. 33-144.000
Plasser, Franz; and Theurer, Josef, Apparatus for lining track in a track curve. 3,821,933, 7-2-74, Cl. 104-8.000.
Plasser, Franz; Theurer, Josef; and Schubert, Egon, to Plasser, Franz, Bahnbaumaschinen-Industrie-Gesellschaft m.b.H. Track surveying. 3,828,440, 8-13-74, Cl. 33-144.000
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Plate, Geerardus G., and Van Hattem, Nicolaas, Sealing cutting mechanism 3,801,409, 4-2-74, Cl. 156-515.000.
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Platt, Richard O., to Dresser Industries, Inc. Weighed charge system for a brick press. 3,811,808, 5-21-74, Cl. 425-167.000.
Platt, Thomas W.; and Arnold, Harmon W., to Flex-O-Lators, Inc. Wire fabric 3,829,048, 8-13-74, Cl. 245-1.000.

Platt, Walter A., to Bendix Corporation, The. Closed loop control system including an integrator and limiting means therefor 3,819,999, 6-25-74, Cl. 318-609.000.
Platt, Walter A., and Reynolds, Gibson, to Bendix Corporation, The. Quadruple redundant closed loop electro-hydraulic servo system. 3,826,174, 7-30-74, Cl. 91-363.00a.
Platter, Sandford: *See*—
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Platz, Gerald M.; and Honn, James B., to National Distillers and Chemical Corporation. Flat-bottom plastic bags and method for production thereof. 3,799,042, 3-26-74, Cl. 93-35.50b.
Platz, Gerald M.; Palmer, William H., and Mauck, James W., to National Distillers and Chemical Corporation Stirrer for polymerization reactor 3,820,960, 6-28-74, Cl. 23-285.000
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Plegat, Alain Edouard, to Societe Anonyme des Usines Chausson. Apparatus for continuously forming a tube and continuously cutting the tube into substantially uniform lengths. 3,808,861, 5-7-74, Cl. 72-132.000.
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Pleier, Otto, and Sheldon, Ralph R., to United States of America, Army. Trailer hitch 3,807,766, 4-30-74, Cl. 280-433.000
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Pleus, Edwin F., to Aunt Nellie's Foods, Inc. Grader apparatus. 3,805,952, 4-23-74, Cl. 209-98.000.

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Plevyak, Joseph B. Self driven turret lathe rotating tool attachment. 3,803,978, 4-16-74, Cl. 90-11.00r.

Plevyak, Joseph B. Spur piston motion rotary combustion engine. 3,850,150, 11-26-74, Cl. 123-8.350.

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Plonsker, Larry, to Ethyl Corporation. Process for removal of catalyst from amorphous copolymers. 3,804,815, 4-16-74, Cl. 260-80.780.

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Plotnikoff, Nicholas Peter, to Abbott Laboratories. Use of L-prolyl L-leucyl glycine amide to treat Parkinson's disease. 3,795,738, 3-5-74, Cl. 424-274.000.

Plotscher, Hans; and Gerber, Hermann, to SAIA AG, Fabrik elektrischer Apparate. Reversible synchronous motor. 3,800,175, 3-26-74, Cl. 310-164.000.

Plotz, Robert G. Shower head. 3,801,018, 4-2-74, Cl. 239-316.000.

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Plough, Charles T.; Arts, Marcus; Leitner, Michael; Russel, William; Marsman, Frank; and Eastwood, Keith. Electrical relay. 3,843,949, 10-22-74, Cl. 338-23.000.

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Pluchery, Max; and Roughon, Claude, to Commissariat a l'Energie Atomique. Device for the display of local disorientations in single crystals. 3,855,469, 12-17-74, Cl. 250-272.000.

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Plueddemann, Edwin P., to Dow Corning Corporation. Primer compositions. 3,808,018, 4-30-74, Cl. 106-218.000.

Plueddemann, Edwin P., to Dow Corning Corporation. Cationic unsaturated amine-functional silane coupling agents. 3,819,675, 6-25-74, Cl. 260-448.80r.

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Plumat, Emile, to Glaverbel S.A. Surface coating of chemically tempered vitreous bodies. 3,785,792, 1-15-74, Cl. 65-30.000.

Plumat, Emile; and Lelong, Jose, to Glaverbel S.A. Method and apparatus for surface coating articles. 3,795,783, 3-5-74, Cl. 219-121.0eb.

Plumat, Emile; and Tossaint, Francois, to Glaverbel S.A. Method for preparing vitreous body by diffusion of ions through a coating layer. 3,816,222, 6-11-74, Cl. 161-1.000.

Plumat, Emile; Schottey, Jean; and Baudin, Pol, to Glaverbel S.A. Method of making flexed glass composite article. 3,822,122, 7-2-74, Cl. 65-30.000.

Plumat, Emile; and Posset, Robert, to Glaverbel S.A. Process for forming a metal oxide coating on a substrate and resulting products. 3,850,665, 11-26-74, Cl. 117-33.300.

Plumat, Emile; Van Laethem, Robert; Colignon, Pierre; Wasterlain, Michel; and Votquenne, Pierre, to Glaverbel S.A. Production of laminated glazing. 3,852,136, 12-3-74, Cl. 156-103.000.

Plumb, William H., to National Gypsum Company. Method of coating plastic foam scrap. 3,832,220, 8-27-74, Cl. 117-100.00e.

Plumeau, Charles A., to International Telephone and Telegraph Corporation. Electronic color filter system. 3,787,609, 1-22-74, Cl. 178-5.4st.

Plumer, Roy D., to General Motors Corporation. Flexible pyrotechnic relay. 3,792,660, 2-19-74, Cl. 102-27.00r.

Plumer, Roy D., to General Motors Corporation. Shot obturation system for fully telescoped caseless ammunition. 3,848,530, 11-19-74, Cl. 102-38.000.

Plumhans, Leon Paul Jean, to Uniroyal A.G. Segmental mold. 3,847,520, 11-12-74, Cl. 425-47.000.

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Plummer, Walter A. Apparatus and method for processing heat reactive thermoplastic tubing and the product formed thereby. 3,806,299, 4-23-74, Cl. 425-383.000.

Plummer, Walter A. Means for sealing and protecting a cable splice. 3,836,702, 9-17-74, Cl. 174-93.000.

Plummer, Walter A. Method of making bellows. 3,849,864, 11-26-74, Cl. 29-454.000.

Plummer, William T., to Polaroid Corporation. Azygous ophthalmic lens and spectacles for correcting presbyopia. 3,797,922, 3-19-74, Cl. 351-169.000.

Plummer, William T., to Polaroid Corporation. Viewfinder for a reflex camera. 3,810,221, 5-7-74, Cl. 354-219.000.

Plummer, William T., to Polaroid Corporation. Light seal for a reflex camera viewfinder. 3,821,767, 6-28-74, Cl. 354-42.000.

Plummer, William T., to Polaroid Corporation. Eye lens in a single lens reflex camera viewfinder providing field tilt compensation. 3,836,931, 9-17-74, Cl. 354-155.000.

Plummer, William T., to Polaroid Corporation. Projector apparatus and system employing unique screen. 3,848,980, 11-19-74, Cl. 352-81.000.

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Plunk, Troy E.; and Moran, Robert L., to Raytheon Company. Microwave power divider. 3,815,055, 6-4-74, Cl. 333-9.000.

Plunk, Troy E.; and Laramee, Richard J., to Raytheon Company. Radio frequency slot antenna. 3,832,716, 8-27-74, Cl. 343-770.000.

Plunkett, George B.; Plunkett, Patricia M.; Kroh, Loren H.; and Kroh, Elizabeth H. Rim lock conversion set. 3,808,855, 5-7-74, Cl. 70-440.000.

Plunkett, Joseph A., to Recognition Equipment Incorporated. Method and apparatus for item tracking. 3,815,102, 6-4-74, Cl. 340-172.500.

Plunkett, Larry D., to Signode Corporation. Pneumatically operated tool. 3,851,371, 12-3-74, Cl. 29-243.560.

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Plura, Georg, to Steinmuller, L. & C., G.m.b.H. Method of treating fluid in a continuous manner. 3,813,333, 5-28-74, Cl. 210-33.000.

Plura, Georg, to Steinmuller, L. & C., G.m.b.H. Method of treating (regenerating) used up ion exchange particles. 3,846,298, 11-5-74, Cl. 210-33.000.

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Willems, Jozef Frans; Heugebaert, Frans Clement; and Pollet, Robert Joseph, 3,808,005.

Pollet, Robert Joseph; DeFre, Marcel Cyriel; and DeCat, Arthur Henri, to Agfa-Gevaert N.V. Coating aids for film-forming coating compositions, 3,793,032, 2-19-74, Cl. 96-114.500.

Pollet, Robert Joseph; Vandenberghe, Antoon Leon; and Vandenabeele, Hubert, to Agfa-Gevaert N.V. High temperature processing of photographic silver halide elements, 3,841,878, 10-15-74, Cl. 96-66.300

Pollett, Robert Joseph; Philippaerts, Herman Adelbert; Vandenberghe, Antoon Leon; and Willems, Jozef Frans, to Agfa-Gevaert N.V. Development of exposed photographic silver halide elements, 3,825,426, 7-23-74, Cl. 96-76.00r.

Polley, Eugene: *See—*
Moritz, Scott N.; Polley, Eugene; and Puls, Werner H., 3,835,262.

Polleys, Herbert R., to Wellman Company. Coupling device for a cutting machine, 3,831,479, 8-27-74, Cl. 83-280.000.

Pollheide, Dieter: *See—*
Hagemann, Hermann; Wingler, Frank; and Pollheide, Dieter, 3,836,604.

Pollich, Gerhard: *See—*
Jeschke, Willi; and Pollich, Gerhard, 3,829,085.

Pollin, Irvin, to United States of America, Army. Missile device responsive to aerodynamic conditions, 3,831,524, 8-27-74, Cl. 102-70.20p.

Pollinger, Hans, to Knorr-Bremse GmbH. Pneumatic suspension and control system for railway vehicles, 3,786,763, 1-22-74, Cl. 105-199.00r.

Pollinger, Hans; and Falke, Erich, to Knorr-Bremse G.m.b.H. Braking device for railroad vehicles, 3,823,986, 7-16-74, Cl. 303-21.00f.

Pollitzer, Ernest L.: *See—*
Donaldson, George R.; and Pollitzer, Ernest L., 3,787,314.
Germanas, Dalia; and Pollitzer, Ernest L., 3,821,123.
Hilfman, Lee; Pollitzer, Ernest L.; and Michalko, Edward, 3,847,796.

Pollitzer, Ernest L., to Universal Oil Products Company. Production of high-octane, unleaded motor fuel, 3,787,313, 1-22-74, Cl. 208-60.000.

Pollitzer, Ernest L., to Universal Oil Products Company. Hydrocarbon conversion catalyst, 3,849,340, 11-19-74, Cl. 252-455.00z.

Pollkotter, Gunter: *See—*
Schroder, Paul; and Pollkotter, Gunter, 3,823,591.
Schroder, Paul B.; and Pollkotter, Gunter, 3,846,886.

Pollmacher, Horst: *See—*
Gappisch, Max; Walter, Friedrich Claus; and Pollmacher, Horst, 3,785,404.

Pollman, Frederic W.; Reynolds, David W.; Ross, William A.; and Schauer, George A., to Sundstrand Corporation. Transmission ratio control system, 3,855,793, 12-24-74, Cl. 60-431.000.

Pollmann, Fritz; and Wiessner, Edgar, to Siemens Aktiengesellschaft. Device for mounting electrical equipment including a snap fastening conductor mounting plate, 3,819,988, 6-25-74, Cl. 317-99.000.

Pollmann, Horst: *See—*
Bosch, Berthold; and Pollmann, Horst, 3,796,969.
Bosch, Berthold; Pollmann, Horst; and Schickle, Gerhard, 3,800,246.

Pollmeier, Franz-Josef; and Muller, Paul, to Siemens Aktiengesellschaft. Electrical fuse, 3,815,073, 6-4-74, Cl. 337-295.000.

Pollner, Rudolf: *See—*
Friese, Karl-Hermann; Geier, Heinz; Pollner, Rudolf; and Schallert, Heino, 3,841,987.

Pollock, Adrian Anthony. Electrical circuit means for use in acoustic emission detecting and/or recording apparatus, 3,822,586, 7-9-74, Cl. 73-71.400.

Pollock, Charles B.; Scott, James L.; and Leitnaker, James M., to United States of America, Atomic Energy Commission. High temperature nuclear reactor fuel, 3,856,622, 12-24-74, Cl. 176-68.000.

Pollock, Donald M.; and Hallowell, Fulton W., to Consupak, Inc. Method and apparatus for multiple blow molding with rotary turntable, 3,854,855, 12-17-74, Cl. 425-142.000.

Pollock, Howard D. Retractable directional lights for truck trailer vehicles, 3,819,927, 6-25-74, Cl. 240-8.220.

Pollock, James Richard Allan, to Dixon Malt Company Limited, The and Enjymie Malt Company Limited, The. Intermediates in brewing, 3,821,419, 6-28-74, Cl. 426-29.000.

Pollock, John G.: *See—*
Shepardson, Edwin S.; and Pollock, John G., 3,821,987.

Pollock, Lyle W.: *See—*
Alquist, Henry E.; Pollock, Lyle W.; and Dale, Glenn H., 3,845,749.

Pollock, Mark W.: *See—*
Kauder, Otto S.; and Pollock, Mark W., 3,817,915.

Pollock, Mayer, Steel Corporation: *See—*
Simmers, Charles F., 3,815,492.

Pollock, Robert E.: *See—*
Nelson, Jerome W.; Pollock, Robert E.; and Randolph, James B., 3,806,694.
Nelson, Jerome W.; Randolph, James B.; and Pollock, Robert E., 3,807,715.

Pollock, Samuel C.: *See—*
Nantau, Wayne E.; and Pollock, Samuel C., 3,815,951.

Pollock, William J.; and Tagalakis, Peter, to Phoenix Closures, Inc. Packaging method, 3,815,314, 6-11-74, Cl. 53-15.000.

Pollution Control, Inc.: *See—*
Humiston, Gerald Francis; and Cotton, Barton Lester, 3,837,491.

Pollution Control Industries, Inc.: *See—*
Bollyky, L. Joseph, 3,833,492.

Pollution Control Products, Inc.: *See—*
Mattson, Gerald H., 3,819,808.

Pollution Control Technology, Inc.: *See—*
Grengg, Walter M., 3,852,604.

Pollution Free Power Corporation: *See—*
Swain, Michael R., 3,799,124.

Pollution Recovery Systems: *See—*
Pavlovic, Jack D., 3,815,751.

Polman, Jan; Van der Werf, Jan Evert; and Drop, Peter Cornelis, to U.S. Philips Corporation. Arrangement provided with a low-pressure vapour discharge lamp, 3,789,266, 1-29-74, Cl. 315-194.000.

Polney, Richard J.: *See—*
Bartnicki, Wieslaw J.; and Polney, Richard J., 3,805,344
Schrader, Victor H.; Polney, Richard J.; and Vermilyea, Peter W., 3,835,511.

Poloron Products of Indiana, Inc.: *See—*
Quiram, Ronald G., 3,853,197.

Polos, Constantine D. Self-drilling toggle bolt assembly, 3,782,238, 1-1-74, Cl. 85-3.00r.

Polosky, Ronald J.: *See—*
Conner, Jessee R.; and Polosky, Ronald J., 3,841,102.

Polovina, Walter, to AB Carl Munters. Impregnated fibrous web structures, 3,798,057, 3-19-74, Cl. 117-126.0ab.

Polrotor, Inc.: *See—*
Hergert, Heinz, 3,785,016.

Polsak, Edwin Mark; and Kalfas, Donald Joseph, to Combustion Engineering, Inc. Combustion chamber including dry and wet collection of particulate matter, 3,788,244, 1-29-74, Cl. 110-8.00r.

Polsak, Edwin Mark, to Combustion Engineering, Inc. Gravity flow incinerator, 3,823,677, 7-16-74, Cl. 110-8.00e.

Polsfuss, Terrance E.: *See—*
Johnson, David E.; and Polsfuss, Terrance E., 3,782,892.

Polshikov, Ivan Vasilievich; Kurdin, Lev Nikolaevich; and Titarenko, Alexandr Timofeevich. Machine for wrapping continuous cores in tape material, 3,853,667, 12-10-74, Cl. 156-422.000.

Polska Akademia Nauk: *See—*
Krowicki, Krzysztof; and Zamojski, Aleksander, 3,855,200.

Polson, Alfred; and Kaufmann, Karl Josef, to South African Inventions Development Corporation. Ultracentrifuge rotor, 3,810,576, 5-24-70, Cl. 233-37.000.

Polson, Jerry H.: *See—*
Munson, Robert E.; Polson, Jerry H.; and Roller, Kent G., 3,786,376.

Polson, Jerry H., to Contel Corporation. Method and apparatus for animal heat detection and recording, 3,844,273, 10-29-74, Cl. 128-2.00r.

Polson, Jerry H. Coupling method and device for animal mountable electronic package, 3,852,758, 12-3-74, Cl. 343-718.000.

Polss, Perry, to Du Pont de Nemours, E. I., and Company Multifunctional gasoline additives and gasolines containing them, 3,807,976, 4-30-74, Cl. 44-62.000.

Polster, Rudolf: *See—*
Schrempp, Klaus; Jettmar, Werner; Polster, Rudolf; and Hartmann, Eduard, 3,849,150.

Poltonavage, Edward Michael: *See—*

Pauza, William Vito; and Poltonavage, Edward Michael, 3,846,734.

Polucci, Gerald: *See—*
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Poluparneva, Galina Petrovna: *See—*
Tsyganov, Vladimir Alexeevich; Namestnikova, Valentina Pavlovna; Antonova, Valentina Vasilievna; Iofina, Esfir Ilinichna; Malkov, Mark Abovich; Nyn, Vladimir Semenovich; Kuznetsova, Olga Alexandrovna; Malinovskaya, Galina Nikolaevna; Poluparneva, Galina Ptrovna; Anosova, Anastasia Mikhailovna; Pudakova, Tamara Kirillovna; Judina, Raisa Ivanovna; Yakovleva, Elena Pavlovna; and Morozov, Vladimir Mikhailovich, 3,802,998.

Polva-Nederland N.V.: *See—*
Acda, Petrus Marinus, 3,853,450.

Polvara, Diego. Machine for clamping and drying hides, particularly bovine, sheep and goat skins. 3,850,013, 11-26-74, Cl. 69-1.000.

Poly Wide, Inc.: *See—*
Wideman, Harold A.; and Wideman, Ronald H., 3,842,832.

Poly-Chem Industries, Inc.: *See—*
Lander, Harry L., 3,787,368.

Poly-Converters Limited: *See—*
Piggott, David C., 3,817,377.

Poly-San Corporation: *See—*
Harding, George W., 3,835,480.

Polyakov, Evgeny Valentindvich: *See—*
Vereschagin, Leonid Fedorovich; Konyafv, Jury Sergeevich; Dovbnya, Alexandr Vasilievich; Polyakov, Evgeny Valentindvich; Novgorodov, Alexandr Stepanovich; Asan-Nuri, Abdulia Ogly; Paly, Polikarp Avidnomovich; and Gevorkov, Grigory Sergeevich, 3,785,093.

Polyakov, Vladimir Grigorievich: *See—*
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Polyakov, Vyacheslav Mikhailovich: *See—*
Lodochnikov, Evald Akimovich; Kolesnikov, Viktor Petrovich; Ageev, Vladimir Egorovich; Khizhnyak, Vladimir Pavlovich; and Polyakov, Vyacheslav Mikhailovich, 3,806,783.

Polyakova, Viktoria Petrovna: *See—*
Gryaznov, Vladimir Mikhailovich; Smirnov, Viktor Sergeevich; Mischenko, Alexandr Petrovich; Drekhova, Natalia Vsevolodovna; Krivdin, Boris Petrovich; Polyakova, Viktoria Petrovna; and Savitsky, Evgeny Mikhailovich, 3,799,889.

Polyaninova, Nina Ivanovna: *See—*
Motov, David Lazarevich; Konstantinov, Vladimir Ivanovich; Rumyantsev, Vladimir Georgievich; Bolokoskov, Valentin Ivanovich; Ude, Eduard Osvaldovich; Babkin, Artur Grigorievich; Metelkin, Alexandr Ivanovich; Suchkov, Vasily Georgievich; Kolesikova, Nina Ivnovna; Motovilin, Alexandr Vasilievich; Rusakova, Nina Trofimovna; Nikonova, Tatyana Vladimirovna; Polyaninova, Nina Ivanovna; Sinenko, Mikhail Grigorievich; Krylova, Irina Fedorovna; and Yakutin, Vladimir Mikhailovich, 3,852,431.

Polyband Gesellschaft fur Tontrager mbH & Co. KG: *See—*
Rabe, Erich, 3,850,436.

Polycarbon Chemie GmbH: *See—*
Ackermann, Paul, 3,793,808.

Polychrome Corporation: *See—*
Deutsch, Albert S.; and Poppo, Joseph M., 3,785,825.
Deutsch, Albert S.; and Poppo, Joseph M., 3,823,130.
Golda, Eugene; and Bown, Delos L., 3,782,952.

Polycon Laboratories, Inc., mesne: *See—*
Gaylord, Norman G., 3,808,178.
Gaylord, Norman G., 3,808,179.

Polydoris, Nicholas G.: and Wollar, Burnell J., to ENM Company. Measuring instrument. 3,791,038, 2-12-74, Cl. 33-141.00r.

Polydoris, Nicholas G.; and Wollar, Burnell J., to ENM Company. Measuring instrument. 3,835,543, 9-17-74, Cl. 33-141.00e.

Polye, William Ronald, to Bendix Corporation, The. Pressure-sensing capacitor. 3,858,097, 12-31-74, Cl. 317-248.000.

Polygon Concepts, Inc.: *See—*
Souza, Augustine A.; 3,796,394.
Souza, Augustine A., 3,837,599.

Polymer Corporation Limited: *See—*
Chick, Orest Nicholas; and Means, Graham Neville, 3,809,666.
Clark, Roy; and Westfield, Donald, 3,811,922.
Feniak, George, 3,790,549.
Gidge, Lester, 3,792,839.
Kent, Eric George; and Wei, Yung-Kang, 3,808,295.
Kent, Eric George, 3,838,098.
McCracken, Nathan John, 3,834,440.
Wei, Yung-Kang; and Kent, Eric George, 3,839,501.

Polymer Corporation, The: *See—*
Goebel, Charles V., Jr., 3,793,235.

Polymer Processing Research Institute Ltd.: *See—*
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Yazawa, Masahide, 3,853,448.
Yazawa, Masahide; and Inoue, Kimio, 3,853,662.

Polymers, Inc.: *See—*
Shaw, Gilbert; and Anderson, Charles H., Jr. (Shaw, Cloria E.; executrix assor. to said), 3,820,653.
Shaw, Gilbert; and Thompson, Martin Vesper, 3,829,923.

Polymet Corporation: *See—*
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Polyprodukte, AG: *See—*
Hirmann, Georg, 3,855,709.

Polysar International, S.A., mesne: *See—*
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Polysar Limited: *See—*
La Flair, Ronald Turner, 3,825,623.

Polysar Limited-Polysar Limitee: *See—*
Chick, Orest Nicholas; and Means, Graham Neville, 3,849,183.
Harianawala, Abdulhusain, 3,817,956.
Smith, Albert Ernest; and Ingram, James Charles, 3,812,224.
Smith, Albert Ernest, 3,849,528.

Polysius AG: *See—*
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Durr, Manfred, 3,846,067.
Greiffenstern, Karl Von, 3,813,045.
Korting, Reinhard, 3,841,829.
Korting, Reinhard, 3,842,763.
Lutke Cossmann, Theodor, 3,799,458.
Thiesler, Ingo; and Hackbarth, Wilhelm, 3,847,403.
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Vering, Anton, 3,807,936.
Wurr, Jurgen; and Vering, Antonius, 3,853,458.

Polytech Systems, Inc.: *See—*
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Polytex AG: *See—*
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Polytop Corporation: *See—*
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Hazard, Robert E., 3,851,805.

Polytype AG: *See—*
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Van Der Roer, Humphrey Alphons Victor, 3,851,747.

Polyvend, Inc.: *See—*
Stoltz, James P.; Bruckner, James V.; and Yingst, Thomas O., 3,814,282.

Polzin, Dean A.: *See—*
Bust, Gordon A.; and Polzin, Dean A., 3,810,551.

Poma 2.000 S.A.: *See—*
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Poma 2.000 S.A., mesne: *See—*
Laurent, Roger, 3,812,788.
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Pomagalski S.A.: *See—*
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Garnier, Marcel, 3,827,368.
Virdis, Joseph, 3,797,608.

Pomazkova, Zinaida Sirafimovna: *See—*
Bogdanov, Alexandr Antonovich; and Pomazkova, Zinaida Sirafimovna, 3,785,753.

Pomella, Piero, to Olivetti, Ing. C., & C., S.p.A. Numerical control system for controlling simultaneously a plurality of tools of one or more machine tools. 3,793,625, 2-19-74, Cl. 340-172.500.

Pomerance, Joseph B.; and Burke, Jesse Haywood. Bicycle for two. 3,836,175, 9-17-74, Cl. 280-209.000.

Pomerantz, Allen J., to General Motors Corporation. Automotive vehicle display system. 3,839,701, 10-1-74, Cl. 340-52.00f.

Pomernacki, Henry, to Illinois Tool Works Inc. Metal cutting and finishing tool. 3,792,524, 2-19-74, Cl. 29-567.000.

Pomeroy, Raymond Visher, to Omark Industries, Inc. Powder actuated tool. 3,804,315, 4-16-74, Cl. 227-10.000.

Pomey, Jacques, to Societe des Aciers Fins de l'Est. Means for the continuous casting of steel. 3,845,809, 11-5-74, Cl. 164-259.000.

Pomfret, Edward E.: *See—*
Dorion, Francis W., Jr.; Nissen, Warren I.; and Pomfret, Edward E., 3,786,563.

Pommer, Ernest-Heinrich: *See—*
Raff, Paul; Reuther, Wolfgang; Petersen, Harro; and Pommer, Ernest-Heinrich, 3,810,767.

Pommer, Ernst-Heinrich; and Will, Hannelore, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Agent for keeping cut flowers fresh. 3,826,639, 7-30-74, Cl. 71-68.000.

Pommer, Horst; Mueller, Herbert; and Overwien, Hermann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alkenones. 3,819,713, 6-25-74, Cl. 260-593.00r.

Pommerening, Karl Werner; and Salewski, Rainer, to Rheinstahl AG. Roadway transition for expansion joints on road bridges etc. 3,797,952, 3-19-74, Cl. 404-52.000.

Pommerening, Uwe A.: *See—*
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,806,661.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,825,692.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,826,876.

Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., 3,816,665.
Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., 3,842,215.

Pompa, Thomas N., Jr.; and Resch, Robert J., to United Aircraft Corporation. Bimodal inverter. 3,805,141, 4-16-74, Cl. 321-11.000.

Pomper, Anthony W.: *See—*
Kosta, Geza F.; and Pomper, Anthony W., 3,784,406.

Pomper, William J.; Wilhelm, Charles G.; and Yancey, Leonard M., to United States of America, Navy. Digital voice detector. 3,836,714, 9-17-74, Cl. 179-1.05d.

Pompetti, John P. Rocket motor driven model racing vehicle. 3,844,557, 10-29-74, Cl. 273-86.00r.

Pomplun, Emil: *See—*
Buschmann, Hans; Mehlhart, Erwin; Schwibbe, Valfred; and Pomplun, Emil, 3,841,459.

Pompo, Thomas B., to Kool-Pak Corporation c/o Brazil, Eugene F. Cooling cushion. 3,802,220, 4-9-74, Cl. 62-530.000.

Pompon, Jean-Paul, to Compagnie Generale d'Electricite. Method of manufacturing a metal-air battery. 3,849,202, 11-19-74, Cl. 136-86.00a.

Pomroy, James F., to Plastics, Inc. Light bulb guard. 3,826,912, 7-30-74, Cl. 240-102.00r.

Pomykacek, Josef: *See—*
Jilek, Jiri; Protiva, Miroslav; Metysova, Jirina; and Pomykacek, Josef, 3,830,814.

Pon, Chuck Y.: *See—*
Pao, John; Wang, Raymond; Takashima, Ben Tsutomu; Pon, Chuck Y.; and Kanetake, Thomas T., 3,836,959.

Pon, Raymond M. Shuttlecock, 3,784,202, 1-8-74, Cl. 273-106.00a.

Ponako, Stephen, to Bendix Corporation, The. Strain relief clamp for an electrical connector. 3,792,417, 2-12-74, Cl. 339-103.00m.

Poncet, Pierre; and Trempu, Rene, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Purification of gaseous streams containing sulfur derivatives. 3,848,058, 11-12-74, Cl. 423-242.000.

Ponci, Riccardo: *See—*
Arsura, Emilio; Baruffini, Agostino; Giald, Franco; Pellegrini, Giovanni; Ponci, Riccardo; and Scrivani, Pietro, 3,835,189.

Poncy, George W., to Johnson & Johnson, mesne. Sterile package for clinical thermometers and the like and method of making it. 3,847,280, 11-12-74, Cl. 206-306.000.

Poncy, George William, to Johnson & Johnson. Sheath-package and method. 3,809,230, 5-7-74, Cl. 206-306.000.

Pond, Chester C.: *See—*
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Bobb, Lloyd J., 3,821,490.

Pond, John E. Radiation and convection heated oven. 3,820,525, 6-28-74, Cl. 126-21.00a.

Pond, Robert W.: *See—*
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Ponder & Best, Inc.: *See—*
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Vital, Zoltan; and Orban, Jean, 3,857,064.
Watanabe, Rinzo; and Shimojima, Masatoshi, 3,784,285.
Watanabe, Rinzo; and Betensky, Ellis I., 3,817,600.

Ponder & Best, Inc, mesne: *See—*
Vital, Zoltan; and Orban, Jean, 3,818,266.

Ponder, Fernando J., to Ferro Corporation. Light stabilized polymer compositions and benzotriazole stabilizers. 3,823,112, 7-9-74, Cl. 260-45.80n.

Ponemone, Seymour J.: *See—*
Lindberg, Frank A.; Ponemone, Seymour J.; Konsowski, Stephen G.; and Shamash, Maurice B., 3,820,994.
Shamash, Maurice B.; Konsowski, Stephen G.; Lindberg, Frank A.; and Ponemone, Seymour J., 3,823,467.

Ponghis, Nicholas Gerassimo; and Poos, Arthur Gerard, to Centre National de Recherches Metallurgiques. Process for the reduction of iron ores. 3,811,869, 5-21-74, Cl. 75-42.000.

Ponghis, Nicolas Gerassimos: *See—*
Poos, Arthur Gerard; and Ponghis, Nicolas Gerassimos, 3,837,840.

Ponghis, Nicolas Gerassimos; and Vanosmael, Claude Henri, to Centre de Recherches Metallurgiques-Centrum Voor Research In De Metallurgie. Device for injecting hot gases into a shaft furnace. 3,794,308, 2-26-74, Cl. 266-41.000.

Ponjee, Johannes Jacobus: *See—*
Schoot, Cornelis Johannes; and Ponjee, Johannes Jacobus, 3,806,229.
Van Dam, Hendrik Tajapko; Ponjee, Johannes Jacobus; and Schoot, Cornelis Johannes, 3,854,794.

Ponnet, Robert, to Thomson-CSF. Method of manufacturing integrated magnetic memories. 3,819,341, 6-25-74, Cl. 29-604.000.

Ponomozenro, Leonid Petzovich: *See—*
Bazhal, Anatoly Ignatievich; and Ponomozenro, Leonid Petzovich, 3,800,886.

Pons, Rene; Poyet, Marcel; Desbert, Jean; and Mena, Andre, to Societe Francais d'Electrometallurgie. Process for thermal production of magnesium. 3,837,843, 9-24-74, Cl. 75-67.000.

Pont, Dominique; Lafont, Andre; and Voisin, Alain, to Societe d'Etudes et de Developpement des Aeroglisseurs Marins Terrestres et Amphibies S.E.D.A.M. Air-cushion vehicles. 3,811,527, 5-21-74, Cl. 180-121.000.

Pont-A-Mousson S.A.: *See—*
Bacroix, Marcel Andre, 3,842,659.
Bram, Georges Eugene, 3,844,589.
Buchmann, Rudolf Christian, 3,802,815.
Delorme, Pierre Claude Marcel, 3,832,116.
Dillon, Marcel Octave, 3,802,154.
Pillon, Marcel Octave, 3,851,439.
Royer, Alain Louis Albert, 3,814,168.

Pontarella, Armand. Pneumatic legging for horses. 3,851,447, 12-3-74, Cl. 54-82.000.

Pontarelli, Donald A.: *See—*
Ohlhaber, Ronald L.; and Pontarelli, Donald A., 3,792,239.

Pontecorvo, Nicholas E. Method and apparatus for preparation of ricotta cheese. 3,836,684, 9-17-74, Cl. 426-361.000.

Pontello, Anthony P., to United States of America, Navy. Testing of fuel filters using thermography. 3,791,194, 2-12-74, Cl. 73-15.00r.

Pontello, Anthony P., to United States of America, Navy. Fuel filter testing apparatus. 3,824,823, 7-23-74, Cl. 73-432.00r.

Ponter, Robert J., to Ritter Engineering Company. Pulse motor control system. 3,800,667, 4-2-74, Cl. 91-380.000.

Pontes, Lionel J.: *See—*
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Popeil, Samuel J.; and Shaw, David V.; to Popeil Brothers, Inc. Mop head. 3,845,518, 11-5-74, Cl. 15-228.000.

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Porret, Daniel; and Fatzer, Willy, to Ciba-Geigy AG. Diglycidyl compounds containing a N-heterocyclic ring. 3,787,405, 1-22-74, Cl. 260-260.000.

Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, to Ciba-Geigy AG. Adducts, containing epoxide groups, from polyepoxide compounds and binuclear N-heterocyclic compounds. 3,793,248, 2-19-74, Cl. 260-47.0ep.

Porret, Daniel; Habermeier, Juergen; and Batzer, Hans, to Ciba-Geigy AG. Adducts, containing epoxide groups, from polyepoxide compounds and binuclear N-heterocyclic compounds. 3,799,894, 3-26-74, Cl. 260-2.0ep.

Porret, Daniel; and Fatzer, Willy, to Ciba-Geigy AG. Diglycidyl compounds containing two N-heterocyclic rings. 3,809,696, 5-7-74, Cl. 260-256.40c.

Porret, Daniel, to Ciba-Geigy Corporation. Diglycidylimidazolidones. 3,828,066, 8-6-74, Cl. 260-309.600.

Porret, Daniel, to Ciba-Geigy Corporation. Dighycidylbenzimidazolones. 3,843,674, 10-22-74, Cl. 260-309.200.

Porret, Daniel; and Stockinger, Friedrich, to Ciba-Geigy Corporation. N-Heterocyclic polyglycidyl compounds containing ester groups. 3,843,675, 10-22-74, Cl. 260-309.500.

Porrmann, Herbert: *See*—
Hammer, Klaus-Dieter; and Porrmann, Herbert, 3,791,849.
Hammer, Klaus-Dieter; Porrmann, Herbert; and Klenk, Ludwig, 3,811,923.

Porsche, Dr.-Ing., H.c.F., Aktiengesellschaft: *See*—
Braess, Hans-Hermann, 3,839,883.

Porsche, Dr.-Ing. H.c.F., KG: *See*—
Bemsel, Walter; and Schreiner, Hermann, 3,810,086.
Herrbrich, Bernd, 3,844,119.
Ziegler, Hermann, 3,815,303.

Porsche, Dr.-Ing., H.c.F., KG, Firma: *See*—
Binder, Robert, 3,854,462.
Muller, Robert; and Sommerer, Karl, 3,793,901.
Piech, Ferdinand; and Mezger, Hans, 3,815,557.
Porsche, Ferdinand Anton Ernst; Binder, Robert; and Weyersberg, Ernst Rudolf, 3,799,138.
Stehle, Heinz, 3,809,192.

Porsche, Ferdinand Anton Ernst; Binder, Robert; and Weyersberg, Ernst Rudolf, to Porsche, Dr.-Ing. H.c.F., K.G., Firma. Cold starting installation for internal combustion engines. 3,799,138, 3-26-74, Cl. 123-179.00g.

Port, Darrell P.: *See*—
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,819,945.
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,836,237.

Port, Erich: *See*—
Closs, Felix Hugo; Mueller, Hans Rudolf; Port, Erich; Rudin, Harry, Jr.; and Wild, Daniel, 3,796,835.

Port, Frederick J., to ESB Incorporated. Battery container. 3,791,874, 2-12-74, Cl. 136-134.00r.

Porta, Augusto: *See*—
Doniat, Denis; Porta, Augusto; and Mosetti, Jacques, 3,827,961.

Porta, Paolo Della; Cataluppi, Angelo; Ferrario, Bruno; and Montalenti, Paolo, to S.A.E.S. Getters S.p.A. Coating a substrate with soft particles. 3,856,709, 12-24-74, Cl. 252-463.000.

Porta, Paolo Della; Giorgi, Tiziano A.; Cantaluppi, Angelo; Ferrario, Bruno; and Mantalenti, Paolo, to S.A.E.S. Getters S.p.A. Catalyst cartridge. 3,857,680, 12-31-74, Cl. 23-288.00k.

Porta Service, Inc.: *See*—
Cable, Russell D.; and Brenneman, Homer K., 3,810,487.

Porta Systems Corporation: *See*—
Caravello, Ronald G.; and Mickowski, John, 3,858,009.
De Luca, Paul V., 3,842,936.
De Luca, Paul V., 3,852,539.
Deluca, Paul V., 3,786,395.
DeLuca, Paul V., 3,814,869.
Deluca, Paul V.; Santulli, Vincent F.; Gazzo, John J., Jr.; Manos, George; and Mickowski, John, 3,842,218.
DeLuca, Paul V., 3,852,645.

Porta Systems Corporation, mesne: *See*—
Carney, William V.; and Deluca, Paul V., 3,852,703.

Porta-Tool, Incorporated: *See*—
Brooks, Daryl G., 3,836,277.

Portage Electric Products, Inc.: *See*—
Stoll, James E., 3,851,288.
Wehl, Glenn E., 3,789,339.
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Portage Machine Company: *See*—
Schiler, Frederick S., 3,785,056.
Schiler, Frederick S., 3,802,297.
Schiler, Frederick S., 3,823,482.
Schiler, Frederick S., 3,845,993.

Portage Newspaper Supply Company: *See*—
Hosterman, Harry L., 3,820,122.

Portal, Guy, to Commissariat a l'Energie Atomique. Thermoluminescent lithium fluoride. 3,808,148, 4-30-74, Cl. 252-408.000.

Portal, Pierre, to Societe Anonyme des Forges de Bologne. Machine for polishing a surface, particularly the surface of a spool flange. 3,800,475, 4-2-74, Cl. 51-62.000.

Portas, Donald; and Aubury, John F. B., to Dunlop Limited. Anti-skid systems. 3,843,210, 10-22-74, Cl. 303-21.0cg.

Portasilo Limited: *See*—
Bramall, John Walter, 3,839,745.

Porte, Pierre, to Societe Rhodiaceta. Agricultural substrates. 3,831,317, 8-27-74, Cl. 47-58.000.

Porte, Pierre, to Rhone-Poulenc-Textile. Process for the manufacture of continuous filament nonwoven web. 3,853,651, 12-10-74, Cl. 156-73.000.

Portec, Inc.: *See*—
Broling, Keith W.; and Tatina, Richard A., 3,789,775.
Pratt, Robert A.; Broling, Keith W.; and Tatina, Richard A., 3,834,321.
Steltz, Douglas C., 3,788,501.
Steltz, Douglas C., 3,814,295.

Porter, Alan Sidney: *See*—
Collier, John Richard; and Porter, Alan Sidney, 3,842,093.

Porter, Charles: *See*—
Rogers, Jack M.; Porter, Charles; and Matesevac, Ronald A., 3,797,990.

Porter, Charles L., to General Motors Corporation. Vehicle body hood hinge. 3,815,176, 6-11-74, Cl. 16-128.100.

Porter, Clark A., to Monsanto Company. Method for increasing the sucrose content of growing plants. 3,826,641, 7-30-74, Cl. 71-86.000.

Porter, Clyde Robert: *See*—
Sember, Joseph Alexander; and Porter, Clyde Robert, 3,800,674.

Porter, David Charles, to Integrated Photomatrix Limited. Pulse charge to voltage converter. 3,812,386, 5-21-74, Cl. 307-261.000.

Porter, David Frederick; and Redfearn, Derek Page, to Energy Conversion Limited. Gas depolarization cell. 3,840,404, 10-8-74, Cl. 136-86.00a.

Porter, David H.; and Bray, Douglas R., to Thomas Industries, Inc. Collapsible chandelier. 3,831,022, 8-20-74, Cl. 240-78.00f.

Porter, David Malcolm: *See*—
Twist, Walter; Peacock, John; and Porter, David Malcolm, 3,808,022.

Porter, Earl C. Apparatus for protecting agricultural crops from pests. 3,799,105, 3-26-74, Cl. 116-22.00a.

Porter Equipment Company: *See*—
Zuber, Richard H., 3,850,428.

Porter, Eric Andrew: *See*—
McCain, Colin Christopher; and Porter, Eric Andrew, 3,840,602.

Porter, Frederic E.; and Kaerwer, Howard E., Jr., to Northrup, King & Co. Coated seeds and methods. 3,808,740, 5-7-74, Cl. 47-58.000.

Porter, Gerald K.: *See*—
Asbelle, Charles C.; Arrigo, Michael F.; and Porter, Gerald K., 3,823,208.

Porter, H. K., Company, Inc.: *See*—
Fantini, Ralph S.; and Davison, Robert W., 3,809,590.
Spiringer, Arthur James, 3,826,881.
Weston, Donald E.; and Kupetis, Raymond F., 3,814,878.

Porter, Harold Felton; Rennie, Foster Wilson; and Williamson, Addison Heaton, to Du Pont de Nemours, E. I., and Company. Sink-float liquid contacting of solids. 3,801,370, 4-2-74, Cl. 134-25.00r.

Porter, Henry D.; and Johnson, Benjamin A. Method for the uniform preparation of silver halide grains. 3,782,954, 1-1-74, Cl. 96-94.000.

Porter, Henry D.; and Johnson, Benjamin A., to Eastman Kodak Company. Apparatus for the uniform preparation of silver halide grains. 3,785,777, 1-15-74, Cl. 23-271.000.

Porter, Herschel F.: *See*—
Finley, Ronald K.; Langlois, Donald J.; Nicholson, Robert H.; and Porter, Herschel F., 3,794,746.

Porter, James D., to Jankelson, Bernard, Dr. Mandible stimulator. 3,797,500, 3-19-74, Cl. 128-422.000.

Porter, James M.; Loweth, Carl V.; and Gilster, Kenneth W., to Trane Company, The. Absorption refrigeration machine with second stage generator. 3,848,430, 11-19-74, Cl. 62-476.000.

Porter, John A. Low pressure paint spray apparatus for conveyor carried articles. 3,811,409, 5-21-74, Cl. 188-314.000.

Porter, John H.; and Murray, David B., to Ladd Research Industries, Inc. Fiber optic pressure detector. 3,789,667, 2-5-74, Cl. 73-406.000.

Porter, John H.; Krebs, William A.; Stevens, Jackie D.; and Dobbin, Robert G., to Ametek, Inc. Rotary armature for a rotary dynamoelectric machine. 3,818,257, 6-18-74, Cl. 310-179.000.

Porter, John Norman: *See*—
Ellestad, George Alfred; Martin, John Henry Edward James; and Porter, John Norman, 3,856,939.
Kunstmann, Martin Paul; and Porter, John Norman, 3,803,306.

Porter, John P.: *See*—
Karper, Paul W.; and Porter, John P., 3,818,751.

Porter, Kenneth G.: *See*—
Mulvey, Philip A.; and Porter, Kenneth G., 3,849,032.

Porter, Leo A.: *See*—
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Porter, Maurice Read: *See*—
Baker, Crispin Stuart Leworthy; Barnard, Douglas; Porter, Maurice Read; and Sang, See Toh Mook, 3,806,392.
Baker, Crispin Stuart Leworthy; Barnard, Douglas; and Porter, Maurice Read, 3,853,925.

Porter, Maxon A., to Mueller, Paul, Company. Refrigeration system with combination capacity and compressor overload control. 3,807,192, 4-30-74, Cl. 62-197.000.

Porter, P. L., Co.: *See*—
Sember, Joseph Alexander; and Porter, Clyde Robert, 3,800,674.

Porter, Richard B.: *See*—
Kabat, John L.; Magnussen, John L.; Porter, Richard B.; and Tobias, James R., 3,785,432.

Porter, Ronald H.: *See*—
Runyan, Kenneth R.; Honnert, Quentin E.; and Porter, Ronald H., 3,850,314.

Porter, Samuel J.: *See*—
Oettmeier, Bert W.; and Porter, Samuel J., 3,783,053.

Porter, Sidney Clark, Jr.: *See*—
Williamson, Ronald Eugene; Porter, Sidney Clark, Jr.; and Shotting, Kenneth Frederic, 3,851,772.

Porter, Stephen G.; and Adams, Theodore J. Lower unit weed guard. 3,802,377, 4-9-74, Cl. 115-17.000.

Porter, Townsend H.: *See*—
Anderson, Amos R.; and Porter, Townsend H., 3,803,197.

Porter, Vernon R.; and Dyer, Lawrence Dean, to Texas Instruments, Incorporated. Method of producing semiconducting monocrystalline silicon on spinel substrates. 3,796,597, 3-12-74, Cl. 117-213.000.

Porter, Wallace M.: *See*—
Samuels, Ronald L.; Porter, Wallace M.; and Friederichs, Josef E., 3,832,784.

Porter, Wallace M., Jr., to TRW Inc. Gaging method and apparatus. 3,855,736, 12-24-74, Cl. 51-165.750.

Porter, Wellington W. Harvesting apparatus for removing crops from plants or vines. 3,810,512, 5-14-74, Cl. 171-14.000.

Porter, William A.; Burough, Irvin G.; and Kline, Donald D., to Commercial Electronics, Inc. Gas analyzing apparatus. 3,833,305, 9-3-74, Cl. 356-201.000.

Porter, William D., to Zinser-Textilmaschinen GmbH. Strand or thread winding apparatus. 3,830,439, 8-20-74, Cl. 242-18.0dd.

Porter, William Hugh Lanvelot, to United Kingdom Atomic Energy Authority. Cooling nuclear reactor fuel. 3,839,150, 10-1-74, Cl. 176-51.000.

Porter, Willington W. One-row crop cutting or digging machine. 3,796,268, 3-12-74, Cl. 171-88.000.

Porter, Wilson B., said Porter assor. to Robbins, James S., and Associates, Inc. and Klein assor. to Robbins Company, The. Method for loosening threaded pipe connections using an earth drilling machine. 3,802,057, 4-9-74, Cl. 29-427.000.

Porter, Wilson B.; and Klein, Harold T., said Porter assor. to Robbin, James S., and Associates Inc. and said Klein assor. to Robbins, Company, The. Earth drilling machine. 3,805,644, 4-23-74, Cl. 81-57.200.

Porter, Wilson B.; and Klein, Harold T., said Porter assor. to Robbins, James S., and Associates, Inc. and said Klein assor. to Robbins Company, The. Earth drilling machine. 3,808,916, 5-7-74, Cl. 81-57.190.

Porter, Zelma M.: *See*—
McIntire, Nathan E.; and Porter, Zelma M., 3,785,456.

Portescap: *See*—
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Bonny, Jean-Pierre, 3,837,083.
Jucker, Erich, 3,817,083.
Quaile, Henri; and Piguet, Paul, 3,790,237.

Portinari, Antonio, to Industrie Pirelli, S.p.A. Filled telephone cable with bonded screening layer. 3,790,694, 2-5-74, Cl. 174-23.00r.

Portinari, Giovanni; Giovanni, Sesto San; and Brovedan, Antonio, to Industrie Pirelli, S.p.A. Armored submarine electric power cable with a plurality of grounding devices for a layer thereof. 3,801,729, 4-2-74, Cl. 174-106.00r.

Portinari, Giovanni; and Zagarella, Adriano, to Industrie Pirelli, S.p.A. Joint for electric cables having conductor insulated with an extruded dielectric. 3,829,600, 8-13-74, Cl. 174-73.00r.

Portis, Ralph G., to Midland Manufacturing Corporation. Control system for rod type tank gage. 3,815,416, 6-11-74, Cl. 73-306.000.

Portland Chain Manufacturing Co. Division of Webster Mfg., Inc.: *See*—
Wright, Leslie I.; and Fitzgerald, Jim W., 3,815,844.

Portland Wire & Iron Works: *See*—
Moore, James C.; and Leonard, Milton K., 3,785,696.
Moore, James C., 3,829,150.

Portman, Clement A. Turn signal reminder device. 3,806,868, 4-23-74, Cl. 340-52.00d.

Portmann, Albert Lee, to Watlow Electric Manufacturing Company. Electric heater with add-on leads. 3,839,623, 10-1-74, Cl. 219-541.000.

Portmann, August Thomas, to Bruderer AG. Apparatus for balancing masses at a punch press. 3,783,699, 1-8-74, Cl. 74-40.000.

Portmann, August Thomas, to Bruderer AG. Apparatus for the stepwise feed of workpieces. 3,784,075, 1-8-74, Cl. 226-143.000.

Portmann, August Thomas, to Bruderer AG. Drive- and braking device for a punch press. 3,805,931, 4-23-74, Cl. 192-18.00a.

Portmann, Hubert, to Compagnie des Montres Longines Francillon S.A. Direct voltage converter, particularly for use in time measuring instruments. 3,815,007, 6-4-74, Cl. 321-2.000.

Portmann, Jacques: *See*—
Reboul, Jean Phillippe; and Portmann, Jacques, 3,832,706.

Portnoi, Mark Saulovich: *See*—
Khanovich, Izrail Grigorievich; Raudson, Robert Avgustovich; Portnoi, Mark Saulovich; Yanovsky, Gennady Grigorievich; Konisskaya, Natalia Alexandrovna; Seredinsky, Avraam Vulfovich; Kapranov, Robert Ivanovich; Mulokov, Felix Fomich; Bogachev, Fedor Alexandovich; Sergeev, Jury Grigorievich; Zakharova, Alexandra Fedorovna; Chomova, Nina Grigorievna; Britanishsky, Ruvim Girshevich; Nepomnyaschy, Alexandr Mordukhaevich; Zhuchin, Vladimir Nikiforovich; and Topilin, Valentin Vasilievich, 3,796,974.

Portnoy, Harold D.: *See*—
Schulte, Rudolf R.; and Portnoy, Harold D., 3,827,439.

Portnoy, Harold D. Means for cutting nerve tissue. 3,816,919, 6-18-74, Cl. 30-124.000.

Portnoy, William M.; Waters, Warren P.; and Wisman, Emery C., to Texas Instruments, Incorporated. Semiconductor device having epitaxial region of predetermined thickness. 3,836,991, 9-17-74, Cl. 357-15.000.

Portny, Gennady Lazarevich: *See*—
Badenkov, Petr Fedorovich; Petrokas, Leonid Venediktovich; Portny, Gennady Lazarevich; Pukhova, Regina Lazarevna; Davidovich, Natalia Ivanovna; Roitburd, Isaak Shlemovich; Tsaplin, Nikolai Sergeevich; and Pinegin, Vladimir Alexandrovich, 3,785,905.

Portoulas, Peter G., to Ecos Corporation. Device for determining improper reversal and/or short of ground and neutral lines and amount of impedance in ground line of a three-wire A.C. outlet. 3,810,003, 5-7-74, Cl. 324-51.000.

Portoulas, Peter G., to Ecos Electronics Corporation. Resistance level detector. 3,821,641, 6-28-74, Cl. 324-62.000.

Portouw, Robert C., to Drew Engineering Co. Hood for dryer. 3,855,713, 12-24-74, Cl. 34-122.000.

Ports, David W.: *See*—
Argyle, John F.; Medowski, Glenn O.; Ports, David W.; and Sutch, Richard D., 3,819,785.

Portus, Bruce W.: *See*—
Foltz, Ronald J.; and Portus, Bruce W., 3,796,692.

Portwood, Owen, Jr.: *See*—
Washecheck, Paul H.; Starks, Charles M.; and Portwood, Owen, Jr., 3,839,377.

Portyrata, Raymond E., to Diaclear, Inc. Swimming pool filtering system. 3,834,535, 9-10-74, Cl. 210-75.000.

Portyrata, Raymond E., to Titan Tool and Die Company, Inc. Water powered swimming pool light. 3,845,291, 10-29-74, Cl. 240-26.000.

Portz, Wilhelm: *See*—
Cziska, Johann; Strauss, Georg; Portz, Wilhelm; Komorniczyk, Klaus; and Kandler, Joachim, 3,839,014.

Porucznik, Paul: *See*—
Franek, Jozef Tadeusz; and Porucznik, Paul, 3,798,950.

Porvair Limited: *See*—

Hathorn, George Stuart; and Cunningham, Victor Ralph, 3,791,997.

Posakony, Gerald J.: *See*—
McElroy, Jerry T.; and Posakony, Gerald J., 3,794,866.

Posch, Heinz; Nauert, Wolfgang; and Lohner, Werner, to AMIANTU AG. Installation for forming molded members of fibrous material. 3,832,108, 8-27-74, Cl. 425-85.000.

Posch, Kenneth L.: *See*—
McAleer, William J.; Spier, Raymond E.; and Posch, Kenneth L., 3,839,155.

Poschenrieder, Werner; and Buecherl, Erwin. Dividing filter network forming an all-pass filter circuit. 3,794,936, 2-26-74, Cl. 333-28.00r.

Poschmann, Franz: *See*—
Schreiner, Siegfried; Lukas, Siegmar; and Poschmann, Franz, 3,819,807.

Posego, John J.: *See*—
Dean, Warren E.; and Posego, John J., 3,846,081.

Posen, Melvin Harris, to Ciba-Geigy Corporation. Polycyclic piperazino pontanone compositions. 3,830,916, 8-20-74, Cl. 424-250.000.

Posey, Lawrence. Router. 3,853,160, 12-10-74, Cl. 144-137.000.

Posipsek, Milan, to Sulzer Brothers Ltd. Stop valve system. 3,807,438, 4-30-74, Cl. 137-489.000.

Posirca, Radu: *See*—
Coanda, Henry; Aldea, Gheorghe; Bodea, Ion; Truica, Vasile; Hanciulescu, Valentin; Posirca, Radu; Lazar, Cristian; and Gabor, Iacob, 3,784,325.

Positrol, Inc.: *See*—
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Poska, Forrest L.: *See*—
Marsheck, Robert M.; and Poska, Forrest L., 3,819,741.

Poslusny, Warren P., to Hayes-Albion Corporation. Labyrinthian fan. 3,842,902, 10-22-74, Cl. 165-51.000.

Posner, John David, to National Cash Register Company, The. Printed circuit card guide. 3,810,433, 5-14-74, Cl. 211-41.000.

Posner, Judd: *See*—
Winnick, Charles N.; and Posner, Judd, 3,796,745.
Winnick, Charles N.; and Posner, Judd, 3,855,275.

Posner, Judd C.: *See*—
Winnick, Charles N.; and Posner, Judd C., 3,803,212.

Pospischil, Heinz. Ointment foil and method of preparing the same. 3,803,300, 4-9-74, Cl. 424-28.000.

Pospisil, Richard E.: *See*—
Luharsky, Andra, Jr.; and Pospisil, Richard E., 3,814,839.

Possati, Mario, to Finke Italiana Marposs Soc., In Accomandita Semplice di Mario Possati & Co., mesne. Measuring apparatus including position correcting means. 3,808,696, 5-7-74, Cl. 33-178.00e.

Possati, Mario. Measurement instrument with device for indicating the limits of tolerance. 3,811,404, 5-21-74, Cl. 116-129.00r.

Possati, Mario, to Finike Italiana Marposs, mesne. Control method and apparatus for a machine in particular for a grinding machine. 3,842,545, 10-22-74, Cl. 51-165.710.

Possati, Mario, to Finike Italiana Marposs-Soc. in Accomandita Semplice di Mario Possati & C. Method and device for the control of the machining on a machine tool for stock removal. 3,846,689, 11-5-74, Cl. 318-571.000.

Posse, Rolf-Fred; Saleck, Wilhelm; Muller, Herbert; Randolph, August; and Moll, Franz. Process for the production of silver halide dispersions. 3,790,386, 2-5-74, Cl. 96-94.00r.

Possell, Clarence R., to C-H Products Corporation. Valve structure for pressurized liquid dispenser. 3,848,775, 11-19-74, Cl. 222-70.000.

Posselt, Heinz: *See*—
Merbold, Peter; Morgenstern, Helmut; Nietsch, Alfred; Posselt, Heinz; and Scheunchen, Gerhard, 3,817,173.

Posselt, Kalus, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 3-[3-Li-(4-hydroxyphenyl)-1-hydroxypropyl-(2)-amino] -propronyl-thiophene. 3,803,173, 4-9-74, Cl. 260-332.30c.

Posselt, Klaus: *See*—
Thiele, Kurt; and Posselt, Klaus, 3,829,469.
Von Behenburg, Walter; and Posselt, Klaus, 3,819,617.

Posselt, Klaus; and Offermanns, Heribert, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Basic thienylalkanes for increasing blood flow. 3,826,838, 7-30-74, Cl. 424-275.000.

Posselt, Manfred, to Siempelkamp, G.; & Co. System for loading a stack of sheets into a platen press. 3,842,990, 10-22-74, Cl. 214-1.0bb.

Posseme, Gilles: *See*—
Peynaud, Francois; and Posseme, Gilles, 3,818,425.

Posset, Robert: *See*—
Plumat, Emile; and Posset, Robert, 3,850,665.

Possis Corporation: *See*—
Dahlberg, Thomas J., 3,802,156.
Del Bono, Mario, 3,818,570.
Possis, Zinon C., 3,781,980.
Straub, Melvin J.; and Schuett, Thomas L., 3,823,053.
Walus, Richard L., 3,832,821.

Possis, Zinon C., to Possis Corporation. Method of making an improved stator or armature. 3,781,980, 1-1-74, Cl. 29-596.000.

Posso, Pierre Ludovic Andre; deceased (by Pierre, Patrick; heir). Reel for use with flexible strips. 3,794,258, 2-26-74, Cl. 242-71.800.

Post, Daniel. Position measuring through the use of moire fringe multiplication. 3,796,498, 3-12-74, Cl. 356-169.000.

Post, David. Pattern grading machine. 3,783,517, 1-8-74, Cl. 33-17.00a.

Post, Donald S.; and Reehil, Edward G., to Xerox Corporation. Copier fuser protector. 3,809,475, 5-7-74, Cl. 355-14.000.

Post, Donald Saxton, to Xerox Corporation. Printing machine with operation lockout. 3,856,125, 12-24-74, Cl. 192-127.000.

Post, Gerald; and Rattin, Luciano, to Olivetti, Ing., C., & C., S.p.A. Collator. 3,802,694, 4-9-74, Cl. 270-58.000.

Post, Hendrik Alle: *See*—
Schmidt, Ernst Machiel; and Post, Hendrik Alle, 3,815,605.

Post, John Franklin. Dispensing device and method for introducing fluid into high pressure lines. 3,795,262, 3-5-74, Cl. 141-1.000.

Post, John R. Method of blasting with an NH4 NOS3-nitropropane blasting agent. 3,810,425, 5-14-74, Cl. 102-23.000.

Post, Leo B.: *See*—
Grindstaff, Donald A.; Steinreich, Joseph S.; and Post, Leo B., 3,840,996.

Post, Melvin J.; and Shelter, Kenneth Lee, to Sybron Corporation. Means for mounting a pen drive in a chart recorder or the like. 3,792,496, 2-12-74, Cl. 346-145.000.

Post, Melvin J., to Sybron Corporation. Removable door for instrument casing. 3,857,198, 12-31-74, Cl. 49-386.000.

Post Office, The: *See*—
Ball, John Robin, 3,820,034.
Boulter, Richard Arnold, 3,846,583.
Clarke, Eric Fifield Stuart, 3,798,350.
Clarke, Eric Fifield Stuart; Cosier, James Edwin Henry; Kolanowski, Jan; Halls, Peter Seaton; and Laidlaw, Alexander Duncan Lindley, 3,802,258.
Fensom, Harry William, 3,789,155.
Harding, John Patrick; Butler David Sydney; and Lee, Frank James, 3,798,347.
Jones, Ralph Archibald; and Little, Roger John, 3,816,917.
Midwinter, John E., 3,841,731.
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Rollett, John Mortimer, 3,805,178.

Post, Richard T.: *See*—
Warsinger, Bernard M., 3,840,033.

Post, Roger L.; and Herschler, Michael G., to Gardner-Denver Company. Compressor unloading control. 3,788,776, 1-29-74, Cl. 417-295.000.

Post, Udo: *See*—
Jellinek, Karl; Post, Udo; Gieben, Wibmar Uber; and Oellig, Rudi, 3,784,601.

Post, Willem, to Universal Oil Products Company. Movable demister system. 3,853,514, 12-10-74, Cl. 55-242.000.

Postal, Robert H. Mechanically readable system using premarked substrate. 3,786,237, 1-15-74, Cl. 235-61.11e.

Postal, Robert H., to American Cyanamid Company. Novel chemical lighting device. 3,800,132, 3-26-74, Cl. 240-2.250.

Postal, Robert Harrison, to American Cyanamid Company. Non-conflicting double image photographic film employing silver based and photofluoresecr compounds. 3,801,324, 4-2-74, Cl. 96-82.000.

Postel-Vinay, Francis, to Fives Lille-Cail. Apparatus for recovering bulk material from a pile. 3,788,445, 1-29-74, Cl. 198-36.000.

Postel-Vinay, Francis, to Fives Lille-Cail. Apparatus for recovering bulk material from a pile. 3,788,446, 1-29-74, Cl. 198-36.000.

Postema, Gerrit B.: *See*—
Pearson, Karl C., Jr.; Postema, Gerrit B.; McLeod, Willard W., Jr.; and Fenzel, Frederick A., 3,794,998.

Poster Products, Inc.: *See*—
Madey, Marion J., 3,830,169.
Madey, Marion J., 3,853,074.

Posternak, Theodore: *See*—
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Postma, Lambertus: *See*—
Jannssen, Casper Johannes Gerardus Ferdinand; Jonker, Hendirk; Postma, Lambertus; and Vondeling, Jacob Klass, 3,811,893.

Postupack, Dennis S., to PPG Industries, Inc. Electroconductive solder. 3,833,362, 9-3-74, Cl. 75-134.00t.

Potain: *See*—
Noly, Jean, 3,784,852.
Noly, Jean, 3,826,342.
Noly, Jean, 3,843,097.

Potapov, Nikolai Akimovich: *See*—
Berlin, German Semenovich; Potapov, Nikolai Akimovich; and Shenker, Dmitry Dmitrievich, 3,805,190.

Potapov, Vladimir Petrovich: *See*—
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Potehen, Peter F. Bicycle saddle mount. 3,796,460, 3-12-74, Cl. 297-211.000.

Pote, William T. Flexible coaxial cable and method of making same. 3,797,104, 3-19-74, Cl. 29-593.000.

Poteat, William E.: *See*—
Squier, William H.; and Poteat, William E., 3,852,146.

Poteet, Charles S., III, to Grace, W. R., & Co. Extrusion cutting device. 3,846,529, 11-5-74, Cl. 264-142.000.

Potel, Jurgen: *See*—
Arnold, Herbert; Bourseaux, Friedrich; Potel, Jurgen; and Broek, Norbert, 3,828,090.

Potenesik, Istvan: *See*—
Cherdron, Egon; Haerter, Manfred; Fassle, Fritz; Forster, Hans-Joachim; and Potenesik, Istvan, 3,797,758.

Potenza, Franco. Automatic used banknotes selecting machine. 3,800,155, 3-26-74, Cl. 250-557.000.

Poter, Michael V. Dispenser for tubular cylindrical articles, especially tapered hair rollers. 3,838,792, 10-1-74, Cl. 221-283.000.

Potgiesser, Jan Antoon Ludolf: *See*—
Koorneef, Jacob; Potgiesser, Jan Antoon Ludolf; and Walraven, Anthonie, 3,855,618.
Koorneef, Jacob; Potgiesser, Jan Antoon Ludolf; and Walraven, Anthonie, 3,855,629.
Koorneef, Jacob; Potgiesser, Jan Antoon Ludolf; and Walraven, Anthonie, 3,855,630.

Potgiesser, Jan Antoon Ludolf, to U.S. Philips Corporation. Device for the magnetic domain "bubble" storage of data. 3,793,640, 2-19-74, Cl. 346-74.00m.

Potgieter, Jacobus Daniel. Starting blocks for athletes. 3,799,542, 3-26-74, Cl. 727-59.00a.

Pothoven, Floyd Rufford: *See*—
Weiner, Myron Jerome; Pothoven, Floyd Rufford; and Johnson, Nolton Clement, Jr., 3,816,700.

Potin, M. Phillppe; and Biesan, M. Michel, to Societe Aquitane-Total-Organico. Process for obtaining polyamides from lactams. 3,855,182, 12-17-74, Cl. 260-78.001.

Potin, Marcel, to Societe Financiere Francaise de Licences et Brevets. Process for making the stops of a slide fastener. 3,813,459, 5-28-74, Cl. 264-23.000

Potlatch Corporation: *See*—
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Wood, Warren A.; and Fechner, John T., 3,807,931.

Potma, Theodorus Gerhardus, to U.S. Philips Corporation. Printing device with stabilized printing electrode. 3,855,600, 12-17-74, Cl. 346-74.0es.

Potman, Richard E. J., to Westinghouse Electric Corporation. Control system and method for a reversed ball mill grinding circuit. 3,783,252, 1-1-74, Cl. 235-151.100.

Potoceanu, Ion: *See*—
Tripsa, Iosif; Potoceanu, Ion; Nisipeanu, Ilie; Velicov, Corneliu; Popescu, Constantin; Cazan, Cornel; Kraft, Nathan; Driscu, Gheorghe; Martin, Ilie; Dulama,Dan; Tanaseseu, Ovidiu; Dcica, Nicolae; Berceanu, Edmond; Cosma, Dante; and Furniceseu, Nicolae, 3,00,630.

Potoski, John R.: *See*—
Freed, Meier E.; and Potoski, John R., 3,836,670.

Potoski, John R.; and Freed, Meier E., to American Home Products Corporation. 3-(1,2,3,4-Tetrahydroisoquinolinomethyl)-3-quinuclidinol. 3,792,053, 2-12-74, Cl. 260-288.00r.

Potruch, Robert A.: *See*—
Burnell, Norman; and Potruch, Robert A., 3,811,006.

Potsch, George; and Poetsch, Karl Friedrich, to Sun Industries Incorporated. Slitter for display packages and similar products. 3,788,180, 1-29-74, Cl. 83-449.000.

Pott, Heinrich, to Siemag Siegener Maschinenbau G.m.b.H. Molding hollow articles. 3,825,389, 7-23-74, Cl. 425-324.00b.

Pott, Richard, to Precismeca Gesellschaft Fur Fordertechnik M.b.H. Article of manufacture. 3,786,549, 1-22-74, Cl. 29-116.00r.

Pottage, Paul Richmond: *See*—
Rundell, John Trethowan; and Pottage, Paul Richmond, 3,834,541.
Rundell, John Trethowan; and Pottage, Paul Richmond, 3,853,616.

Pottebaum, Joseph R., to Production Measurements Corporation. Engine timer. 3,832,628, 8-27-74, Cl. 324-16.00r.

Potter, Basil E., to Sierra Research Corporation. Locating vehicles using their voice transmissions. 3,793,635, 2-19-74, Cl. 343-112.00r.

Potter, Curtis N.: *See*—
Kroger, Harry; and Potter, Curtis N., 3,816,194.
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Potter, Edward: *See*—
Potter, Edward; Potter, Irving W.; and Smyth, Robert M., 3,804,935.

Potter, Edward; Potter, Irving W.; and Smyth, Robert M., 1/2 to Dant & Russell, Inc. and 1/2 to Potter, Edward. Process for making a particle board. 3,804,935, 4-16-74, Cl. 264-122.000.

Potter, Ernest William: *See*—
Allen, Ronald Noel; and Potter, Ernest William, 3,814,184.

Potter, Frank, to Filing Systems Inc. Media storage cabinet 3,844,416, 10-29-74, Cl. 211-162.000

Potter, Harland C.: *See*—
Wieken, Robert H.; and Potter, Harland C., 3,812,797.
Wieken, Robert H.; and Potter, Harland C., 3,832,144.

Potter, Howell L., to Textron, Inc. Locking device for a bearing or the like. 3,792,880, 2-19-74, Cl. 403-352.000.

Potter Instrument Company, Inc.: *See*—
Gucker, George C., 3,824,623.
Hoyer, Stourd, 3,804,008.
Kilroy, Henry P.; and Murphy, Harold J., 3,810,195.
Murray, Joseph John, 3,819,348.
Pear, Charles B., Jr., 3,786,181.
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Potter, Irving W.: *See*—
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Potter, James E. IV: *See*—
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Potter, James L.: *See*—
Pruitt, Ronnie, M.; and Potter, James L., 3,836,488.

Potter, James L. Viscoelastic damper. 3,842,945, 10-22-74, Cl. 188-1.00b.

Potter, John T., to Potter Instrument Company, Inc. 96 Column card turnaround document. 3,804,325, 4-16-74, Cl. 234-41.000

Potter, John T., to Potter Instrument Company, Inc. Copier system. 3,813,492, 5-28-74, Cl. 178-30.000

Potter, John T. Facsimile dot printing system with skew. 3,830,975, 8-20-74, Cl. 178-30.000.

Potter, John T., to Potter Instrument Company, Inc. Helical bar printer and hammer therefor. 3,834,304, 9-10-74, Cl. 101-930.000

Potter, Max E.: *See*—
Brandlein, James D.; and Potter, Max E., 3,838,203.

Potter, Newton L: *See*—
Barrett, William T.; and Potter, Newton L., 3,809,239

Potter, Peter Rex. Transparency viewing cassette unit. 3,840,973, 10-15-74, Cl. 29-434.000

Potter, Richard C.: *See*—
Smith, Ronald S.; Kuderna, Jerome G., Jr.; and Potter, Richard C., 3,836,638.

Potter, Richard C., to Shell Oil Company. Block copolymer-polyvinyl chloride compositions. 3,801,529, 4-2-74, Cl. 260-30.60r

Potter, Richard W., to McGraw-Edison Company. Control system for a compacting machine. 3,855,919, 12-24-74, Cl. 100-52.000

Potter, Roanld Anthony. Wine-making apparatus. 3,823,655, 7-16-74, Cl. 99-277.000.

Potter, Robert Louis: *See*—
Chase, John Donald; and Potter, Robert Louis, 3,847,864.

Potter, Robert M., Robinson, Eugene S., and Smith, Morton C., to United States of America, Atomic Energy Commission. Method of extracting heat from dry geothermal reservoirs. 3,786,858, 1-22-74, Cl. 165-1.000

Potter, Ronald D., to Auto-Place, Inc. Double-reach attachment for lifting and swinging work-transfer device. 3,812,981, 5-28-74, Cl. 214-1.0bb

Potter, Sheila Antoinette, to Imperial Chemical Industries, Limited. Process for the manufacture of bipyridyls. 3,787,427, 1-22-74, Cl. 260-296.00d.

Potter, Terry C., and Rhoads, Roger R., to Owens-Illinois, Inc. Article transfer apparatus. 3,784,261, 1-8-74, Cl. 302-2.00r.

Pottern, Alvin R., to Bradley, Milton, Company. Paper trimmer. 3,792,636, 2-19-74, Cl. 83-468.000.

Potters Industries Inc.: *See*—
Ritter, James R.; and Strauch, Otto R., 3,837,806.

Pottier, Michel: *See*—
Senes, Michel; Pottier, Michel; and Gourdier, Jean-francois, 3,839,229.

Pottier, Paul: *See*—
Cuaz, Daniel; Pottier, Paul; and Thiery, Daniel, 3,838,061.

Pottinger, Arthur D.; Ryder, William V., Jr.; and Shuert, Lyle H., to Jered Products, Inc. Reinforced plastic panel. 3,832,955, 9-3-74, Cl. 108-51.000.

Pottinger, Eugene A.; and Shelton, Winston L., to Commerical Appliances, Inc. Means for muffling exhaust of pressure cooking apparatus. 3,792,698, 2-19-74, Cl. 126-299.00a.

Pottken, Wolfgang S: *See*—
Harmsen, Ulf O.; and Pottken, Wolfgang S., 3,802,062.

Pottkotter, Aloysius H. Sheet material ornament with unfoldable upstanding fingers. 3,849,234, 11-19-74, Cl. 161-17.000.

Pottle, Clarence C.: *See*—
Champion, Mary J.; Pottle, Clarence C.; and Gerber, Joseph H., 3,858,161.

Pottorff, Donald R., to Walter Kidde & Company, Inc. Actuator mechanism for crane turntable brake. 3,838,756, 10-1-74, Cl. 188-170.000.

Pottratz, Rose T. Handbag interior illuminating device. 3,808,416, 4-30-74, Cl. 240-6.45p.

Potts, Bobby K.: *See—*
Lomax, Harold R.; and Potts, Bobby K., 3,799,688.

Potts, Edwin M. Automatic film feed device. 3,823,890, 7-16-74, Cl. 242-55.180.

Potts, Fred E., III: *See—*
Besozzi, Alfio J.; Cooley, Stone D.; and Potts, Fred E., III, 3,812,158.

Potts, Herbert Alexander: *See—*
Bolliger, Hans Rudolf; and Potts, Herbert Alexander, 3,852,029.

Potts, Herbert J.; and Larson, Godfrey L. Device for aiding in the bundling of mail. 3,793,941, 2-26-74, Cl. 100-1.000.

Potts, Herbert M.; and Trutna, Maynard A., to Container Corporation of America. Display package for elongated articles. 3,786,915, 1-22-74, Cl. 206-45.150.

Potts, James E.: *See—*
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., 3,844,987.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., 3,850,862.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., 3,850,863.
Clendinning, Robert A.; Potts, James E.; and Niegisch, Walter D., 3,852,913.

Potts, James Rowland: *See—*
Eildes, Robert Anthony; Potts, James Rowland; and Farthing, John Eaton, 3,801,458.

Potts, John D.: *See—*
Kirsch, Francis William; Barmby, David S.; and Potts, John D., 3,803,256.
Kirsch, Francis William; Barmby, David S.; and Potts, John D., 3,839,228.
Leto, Joseph R.; Potts, John D.; and Shang, Jer-Yu, 3,839,398.

Potts, John D.; and Kirsch, Francis William, to Sun Research and Development Co. Process for preparing metal zeolite catalyst compositions. 3,853,787, 12-10-74, Cl. 252-455.00z.

Potts, Larry D.: *See—*
Boston, Ray W., Jr.; and Potts, Larry D., 3,811,370.

Potts, Matthew, to Lucas, Joseph, (Industries) Limited. Relief valve. 3,782,405, 1-1-74, Cl. 137-110.000.

Potts, Richard McCrea: *See—*
Gander, Robert Johns; and Potts, Richard McCrea, 3,835,090.
Overhults, Wendell C.; and Potts, Richard McCrea, 3,839,065.

Potts, Ronald G.; and Word, Clinton E. Board game apparatus. 3,801,104, 4-2-74, Cl. 273-134.0ae.

Potts, Vinson S.: *See—*
Kneusel, Raymond H. P.; and Potts, Vinson S., 3,812,696.

Potts, Walter Joseph, to Searle, G. D., & Co. Tranquilizing method employing arachidonic acid. 3,792,179, 2-12-74, Cl. 424-318.000.

Potvin, Alfred M., to Heetco Ltee. Electric grill. 3,852,569, 12-3-74, Cl. 219-525.000.

Potzl, Friedrich, to U.S. Philips Corporation. Junction circulator having curved conductors on opposite sides of printed circuit board. 3,838,360, 9-24-74, Cl. 333-1.100.

Potzl, Friedrich, to U.S. Philips Corporation. Strip-line circulator for the frequency range from 10 to 1000 MHz. 3,838,361, 9-24-74, Cl. 333-1.100.

Pouch, Thomas M.; and Ladouceur, Harold A., to Multifastener Corporation. Method of assembling a self-fastening nut and a panel. 3,829,957, 8-20-74, Cl. 29-445.000.

Poucher, Frederick W., Jr.: *See—*
Sudar, Seymour; and Poucher, Frederick W., Jr., 3,853,484.

Pouderoux, Pierre; Salon, Guy; and Andro, Jean, to Stein Industrie. Heat-exchanger module. 3,854,528, 12-17-74, Cl. 165-158.000.

Pouillot, Bernard: *See—*
Gallois, Daniel J., 3,814,605.

Pouilloux, Jacques, to Pneumatiques Caoutchouc Manufacture et Plastiques Kleber-Colombes. Tire with flexible cord carcass construction and method of making same. 3,815,652, 6-11-74, Cl. 152-356.000.

Pouit, Robert Jean. Supercharged four stroke internal combustion engine. 3,800,763, 4-2-74, Cl. 123-119.00e.

Poujois, Robert, to Commissariat a l'Energie Atomique. Integrated amplifying device having low drift and method of compensating for the drift of an amplifying device. 3,810,031, 5-7-74, Cl. 330-9.000.

Poulain, Claude: *See—*
Kern, Rene; Poulain, Claude; and Tock, Francois, 3,825,532.

Poulin, Valmor R., Jr.: *See—*
Gidge, Lester; and Poulin, Valmor R., Jr., 3,840,414.

Pouliot, Oliver L.: *See—*
Daly, William P.; and Pouliot, Oliver L., 3,831,504.

Pouliquen, Jean-Francois: *See—*
Defebvre, Andre; Leman, Gerard; and Pouliquen, Jean-Francois, 3,787,786.

Poullot, Bernard, to Automobiles Peugeot and Regie Nationale des Usines Renault. Exhaust gas purifying system for an internal combustion engine. 3,796,546, 3-12-74, Cl. 23-288.00f.

Poulos, Gus I., to Soectra McIntosh Corporation. Taper leaf spring blank. 3,853,310, 12-10-74, Cl. 267-47.000.

Poulsen, Gene M. Turtle tray and hood (a natural habitat). 3,786,781, 1-22-74, Cl. 119-5.000.

Poulsen, Peder Ulrik. Method for the continuous production of fiber reinforced plastic pipes of variable wall thickness. 3,788,918, 1-29-74, Cl. 156-171.000.

Poulson, Don E.: *See—*
Ma, Gabriel W. C.; and Poulson, Don E., 3,848,601.

Poulten, John H., to Poulten, John, Limited. Piston and cylinder device. 3,809,297, 5-7-74, Cl. 222-309.000.

Poulten, John, Limited: *See—*
Poulten, John H., 3,809,297.

Poundstone, William N.: *See—*
Haworth, Gordon R.; Edmond, Tibor O.; and Poundstone, William N., 3,823,787.

Poundstone, William N. Consolidation Coal Company Method and apparatus for conveying material. 3,795,304, 3-5-74, Cl. 198-139.000.

Poupin, Raymond; and Anfossi, Henri, to Service d'Exploitation Industrielle des Tabacs et des Allumettes. Device for conveying rod-shaped objects such as cigarettes. 3,854,567, 12-17-74, Cl. 198-20.00c.

Poupitch, Ougljesa Jules: *See—*
Jones, Chesley; and Poupitch, Ougljesa Jules, 3,786,401.

Poupitch, Ougljesa Jules, to Illinois Tool Works, Inc. Container carrier. 3,811,561, 5-21-74, Cl. 206-161.000.

Poupitch, Ougljesa Jules, to Illinois Tool Works, Inc. Extruded plastic container carrier stock and methods for producing the same. 3,831,741, 8-27-74, Cl. 206-150.000.

Poupitch, Ougljesa Jules, to Illinois Tool Works Inc. Removable rivet. 3,842,710, 10-22-74, Cl. 85-37.000.

Pourbaix, Marcel, to Centre Belge d'Etude de la Corrosion. Process for treating a metal or alloy, by means of an electrolyte. 3,817,795, 6-18-74, Cl. 148-6.14r.

Pourrias, Bernard M.: *See—*
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; and Pourrias, Bernard M., 3,816,415.
Fauran, Claude P.; Raynaud, Guy M.; Eberle, Jeannine A.; Pourrias, Bernard M.; La Foret, Meudon; and Le Cloarec, Alberty Y., 3,845,046.
Fauran, Claude P.; Eberle, Jeannine A.; Raynaud, Guy M.; Pourrias, Bernard M.; and Bourgery, Guy B., 3,850,937.

Pousche, Walter: *See—*
Fleisch, William F.; and Pousche, Walter, 3,845,988.

Pouska, George A.: *See—*
Merrill, La Vaun S., Jr.; Drayer, Dennis E.; Gogarty, William B.; and Pouska, George A., 3,804,752.

Pousson, James H.: *See—*
Hochberg Marvin S.; Welhart, Erwin K.; and Pousson, James H., 3,830,261.

Pout, Christopher Ronald: *See—*
Cardwell, Joseph Robin; and Pout, Christopher Ronald, 3,799,867.

Poutsma, Marvin L.: *See—*
Rabo, Jule A.; Poutsma, Marvin L.; and Skeels, Gary W., Jr., 3,816,341.

Pouzadoux, Jean, to Thomson-CSF. Push-pull amplifying devices with class D transistorized amplifiers. 3,854,100, 12-10-74, Cl. 330-15.000.

Pouzou, Albert M., to Reynolds Metals Company. Ball bat. 3,834,698, 9-10-74, Cl. 273-72.00a.

Povey, Edmund H., to Doble Engineering Company. Bridge circuit for measuring dielectric properties of insulation. 3,842,344, 10-15-74, Cl. 324-54.000.

Povilaitus, Frank R.: *See—*
Andersen, Poul H.; Povilaitus, Frank R.; and Himes, Robert S., 3,812,312.

Povill, Jonathan W. Steel wool swab. 3,810,334, 5-14-74, Cl. 51-358.000.

Povlaes, Lawrence J.; and Crawley, William B., to Akwell Industries, Incorporated. Rubber article. 3,809,090, 5-7-74, Cl. 128-294.000.

Povolotsky, Emil Lvovich: *See—*
Acharkan, Evgeny Adolfovich; Khaskin, Ilia Naumovich; Tstrulnikov, Isaak Meerovich; Povolotsky, Emil Lvovich; and Jurovsky, Vladimir Solomonovich, 3,830,097.

Powanda, Thomas Michael, to Celanese Corporation. Oilless alkyds. 3,829,530, 8-13-74, Cl. 260-850.000.

Powell, Alva Leroy: *See—*
Wilbur, Raymond Francis; and Powell, Alva Leroy, 3,838,383.

Powell, Ann Joyce. Child's clothes bag holder. 3,814,359, 6-4-74, Cl. 248-99.000.

Powell, Barney R.: *See—*
Bradshaw, Harry; and Powell, Barney R., 3,843,102.

Powell, Barry K., to Bendix Corporation, The. Model referenced speed control for automobiles. 3,820,622, 6-28-74, Cl. 180-98.000.

Powell, Brent L.: *See—*
Just, Franklin H.; and Powell, Brent L., 3,851,636.

Powell, Brian David William: *See—*
Corish, Patrick Joseph; Kirkham, Malcolm Cedric; and Powell, Brian David William, 3,793,252.

Powell, Byron E.: *See—*
Dozsa, Otto L.; and Powell, Byron E., 3,839,551.

Powell, Charles W., to Knotex Maschinenbau G.m.b.H. Window box and mounting therefor. 3,813,813, 6-4-74, Cl. 47-36.000.

Powell, Charles W. Art sculpture. 3,824,712, 7-23-74, Cl. 35-26.000.

Powell, Charles W. Simulated stained glass in concrete art assembly. 3,833,450, 9-3-74, Cl. 161-5.000.

Powell, David B., to General Electric Company. Compact circuit breaker. 3,786,382, 1-15-74, Cl. 335-169.000.

Powell, David B., to General Electric Company. Pushbutton reset undervoltage release device. 3,806,846, 4-23-74, Cl. 335-20.000.

Powell, David Barton; and Acampora, Vincent Paul, to General Electric Company. Trip unit having improved trip adjustment indicator and circuit breaker incorporating same. 3,831,120, 8-20-74, Cl. 335-176.000.

Powell, Flavius M.: *See—*
Cowardin, Robert L.; Matuck, George C.; McCray, Charles M.; Powell, Flavius M.; Pratt, Woodrow W.; Thomas, Delbert C., Jr.; and Thorne, William D., 3,854,563.

Powell, Gary L.: *See—*
Burr, John F.; and Powell, Gary L., 3,823,342.

Powell, Gordon Francis Wellington, to Molins Limited. Scanning system using radioactive radiation in cigarette rod making machine. 3,795,802, 3-5-74, Cl. 250-384.00d.

Powell, Gordon Francis Wellington, to Molins Limited. Rod guide assembly for continuous rod making machines. 3,829,695, 8-13-74, Cl. 250-358.000.

Powell, Harry C., Jr.; and Floyd, Donald W. Ultrasonic cleaning. 3,849,195, 11-19-74, Cl. 134-1.000.

Powell, Irene Patricia; Hulme, Cheadle; and Hitchcock, John, to Salter Industrial Measurement Limited. Transducer device and measurement systems. 3,805,600, 4-23-74, Cl. 73-88.50r.

Powell, James B.; Yeiser, Beverly G.; and Lightner, Joseph R. Apparatus for transporting, unloading and processing live poultry. 3,782,398, 1-1-74, Cl. 134-133.000.

Powell, John Arthur, to RCA Corporation. Electron tube having internal glass member coated with crystalline ceramic material. 3,787,780, 1-22-74, Cl. 331-94.500.

Powell, John Dillard, to Continental Homes, Inc. Prefabricated multi-story structure. 3,811,235, 5-21-74, Cl. 52-69.000.

Powell, John E., to Mandrel Industries, Inc. Can sorter. 3,800,941, 4-2-74, Cl. 209-74.00r.

Powell, John Ernest; and Richards, Peter Henry, to Triplex Safety Glass Company Limited. Production of toughened and bent glass sheets. 3,782,916, 1-1-74, Cl. 65-104.000.

Powell, John-Lawrence; Winter, Peter John; and Pritchard, Ernest, to Coal Industry (Patents) Limited. Manufacture of carbon fibres. 3,852,428, 12-3-74, Cl. 423-447.000.

Powell, John M.: *See—*
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Powell, Johnnie L.; and Doyle, Carl L., to Mandrel Industries, Inc. Conveyor guide. 3,797,624, 1-13-72, Cl. 193-25.00r.

Powell, Jonathan S. Gas service connector. 3,837,686, 9-24-74, Cl. 285-55.000.

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Powell, Mabrin P.; and Nauman, Mark R., to Champion International Corporation. Process for productions of pressure-sensitive copy sheet. 3,819,398, 6-25-74, Cl. 117-36.700.

Powell, Maurice L. Display for awards to be attached to a uniform. 3,792,543, 2-19-74, Cl. 40-16.000.

Powell, Michael William, to Motorola, Inc. MOS Voltage reference circuit. 3,806,742, 4-23-74, Cl. 307-304.000.

Powell, Patrick L., to Steward-Warner Corporation. Gear band selector tachometer. 3,807,350, 4-30-74, Cl. 116-129.00r.

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Powell, Richard James, to Du Pont de Nemours, E. I., and Company. Oxy-bis-(N-alkylamides) and their use as slip additives. 3,846,391, 11-5-74, Cl. 260-87.300.

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Rebours, Albert, 3,810,349.
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Queneau, Paul B.; and Prater, John D., 3,793,429.
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Wang, Kuo H.; Prats, Michael; and Campbell, Don A., 3,847,219.
Pratt, Alan; and Ashfield, Robert Andrew, to David Brown Gear Industries Limited. Gear tooth profile testing mechanisms. 3,849,891, 11-26-74, Cl. 33-179.50d.
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Green, Geoffrey; Overell, Brian George; and Pratt, Anthony Michael, 3,792,159.
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McKeown, Bamon; Metcalfe, John Leonard; and Pratt, Arthur James, 3,789,040.
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Pratt, Harry M.; Magol, Byram J., and Money, Dudley P., to Foster Wheeler Corporation. Vapor generator mixing section support. 3,809,018, 5-7-74, Cl. 122-510.000.
Pratt, Henry, Company: *See*—
Kurkjian, Gregory A., Jr., 3,823,912.
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Pratt, Henry L., III: *See*—
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Pratt, Robert E., to Bray Oil Company. Polymerization process. 3,842,134, 10-15-74, Cl. 260-683.15b.
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Reynolds, David L.; Youngblood, Douglas J.; Bunn, Dorrance P., Jr.; and Pratt, Roy E., 3,784,463.
Youngblood, Douglas J.; Kuhlmann, Robert E.; and Pratt, Roy E., 3,801,493.
Pratt, William C., to Micro Chemical, Inc. Feed formulation system and process. 3,806,001, 4-23-74, Cl. 222-132.000.
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Lehmann, Alfred H., 3,845,683.
Praude, Marie-Helene, nee Durupt. Anti-fermentation and neutralizing aqueous solution for the purification of waters, drinks and/or the preservation of liquid or solid foods. 3,832,294, 8-27-74, Cl. 252-175.000.
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Snyder, Donald L.; Himes, John H.; and Pravda, Milton F., 3,833,428.
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Pravednaya, Ljudmila Dmitrievna: *See*—
Kaljuko, Alexei Yakovlevich; Simkhovich, Fridrikh Levikovich; Cherednik, Nina Fedorovna; Pravednaya, Ljudmila Dmitrievna; Kasakov, Alexei Mikhailovich; Saposhkov, Alexandr Mikhailovich; and Lischinsky, Anri Iosifovich, 3,835,250.
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Pray, Lawrence H., to Formsprag Company. Hydraulically operated disc clutch. 3,805,933, 4-23-74, Cl. 192-85.0ca.
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Pray, Lester W.; and Anderson, Gordon C., to Maremont Corporation. Grasper bar pivoting and positioning. 3,827,227, 8-6-74, Cl. 57-52.000.
Pray, Robert W.; and Foster, Ralph L., to Thermogenics of New York Inc. Ink curing and drying apparatus. 3,829,982, 8-20-74, Cl. 34-4.000.
Prayer, Gerard; and Ferrat, Jean-Marie, to Cebal GP. Lid for easy opening cans. 3,785,522, 1-15-74, Cl. 220-54.000.
Prayfel Inc.: *See*—
Chevalier, Paul; Menard, Claude; and Dorval, Bertrand, 3,790,768.
Prazdnikov, Anatoly Vladimirovich: *See*—
Vasiliev, Evgeny Mikhailovich; Egorov, Vladimir Sergeevich; Kovalenko, Jury Nikolaevich; Kostjuchenko, Mikhail Ivanovich; Litvin, Anatoly Vasilievich; Pobegailo, Grigory Gavrilovich; Churakov, Vladimir Mikhailovich; Lensky, Alexandr Nikolaevich; Prazdnikov Anatoly Vladimirovich; Sidorov, Ivan Sergeevich; Khovrin, Boris Vladimirovich; and Fabrika, Ljudmila Petrovna, 3,810,283.
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Pre-Stress Concrete, Inc.: *See*—
Middleton, Thomas E., 3,849,221.
Pre-Stress Pioneers Limited: *See*—
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Prebil, Stanley. Motor rapid warming device. 3,853,270, 12-10-74, Cl. 237-12.30b.
Preble, Harris, Company: *See*—
Jeemen, James M.; Jeemen, John J.; Riley, Robert; and Smith, James W., 3,838,245.
Prechtel, Klaus, to Voith, J. M., GmbH. Fibrous web forming machine with white water recirculating arrangement. 3,801,436, 4-2-74, Cl. 162-252.000.
Preci-Spark Limited: *See*—
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Precision Control Products Corporation: *See*—
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Precision Engineering (Worcester), Limited: *See*—
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Precision Flexmold, Inc.: *See*—
Putzer, Raymond M.; and Maurino, William J., 3,841,822.
Precision Fukuhara Works, Ltd.: *See*—
Sawazaki, Masatoshi, 3,855,819.
Precision Hardware Inc.: *See*—
Powers, Daniel A., 3,804,442.
Precision Industries, Inc.: *See*—
Verwey, William G. A.; and Stanton, Stephen L., 3,848,790.
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Precision Metalsmiths, Inc.: *See*—
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Daskivich, Michael, 3,811,903.
Daugherty, Donald A.; and Simmons, John H., 3,805,875.
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Precision Processes (Textiles) Limited: *See*—
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Precision Sampling Corporation: *See*—
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Precision Screen Machines Inc.: *See*—
Jaffa, David; and Szarka, Sandor, 3,795,060.
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Focht, John Richard, 3,831,820.
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Meuresch, Herbert; and Zimmerhackel, Franz, 3,838,799.
Meuresch, Herbert; and Zimmerhackel, Franz, 3,845,887.
Precismeca Gesellschaft Fur Fordertechnik M.b.H.: *See*—
Pott, Richard, 3,786,549.
Preece, Kenneth, to Lucas, Joseph, (Electrical) Limited. Method of manufacturing yoke assemblies. 3,818,585, 6-25-74, Cl. 29-596.000.
Prefection Manufacturing Company, The: *See*—
Hoffmann, Ralph L., 3,820,313.
Prefecture de Police: *See*—
Thiebault, Robert, 3,828,590.
Preformed Line Products Company: *See*—
Metzler, Allan R., 3,829,937.
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Prefsman, Vladimir Alexandrovich: *See*—
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Preg, Stephen M., Jr.: *See*—
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Pregler, John E., to Olin Corporation. Urethane coating based on a substituted isocyanurate-lactone addition product. 3,784,503, 1-8-74, Cl. 260-33.6ub.
Preh, Elektro-Feinmechanische Werke: *See*—
Jorenda, Heinz; and Scherzer, Wolfgang Willi, 3,802,257.
Preikschat, Fritz K. Proportional bin level sensor. 3,821,900, 7-2-74, Cl. 73-304.00c.
Preikschat, Fritz K. Electrical impedance measuring apparatus. 3,824,461, 7-16-74, Cl. 324-61.00r.
Preim, Jan Josef: *See*—
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Preisig, Joseph Otto: *See*—
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Preisig, Joseph Otto; and Presser, Adolph, to RCA Corporation. Insulated dual gate field-effect transistor signal translator having means for reducing its sensitivity to supply voltage variations. 3,789,246, 1-29-74, Cl. 307-304.000.
Preisig, Roland, to Bobst, J., & Fils, S.A. Apparatus for handling a flow of boxes. 3,811,549, 5-21-74, Cl. 198-21.000.
Preisig, Roland, to Bobst, J., & Fils S.A. Method and apparatus for interleaving a strip of material between superposed packets. 3,826,058, 7-30-74, Cl. 53-14.000.
Preisig, Roland; and Frei, Arthur, to Bobst, J., & Fils, SA. Article selection and separation apparatus. 3,826,348, 7-30-74, Cl. 198-34.000.
Preisler, Eberhard; Grapentin, Kurt; Harmsen, Ernst; and Harnisch, Heinz, to Knapsack Aktiengesellschaft. Production of manganese (II) salt solutions. 3,825,652, 7-23-74, Cl. 423-50.000.
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Preissler, Detvel. Polygonal building structure. 3,827,200, 8-6-74, Cl. 52-82.000.
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Preload Company, Inc., The: *See*—
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Prelog, Vladimir: *See*—
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Prem, Lawrence L.: *See*—
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Premaza, George J., to Westinghouse Electric Corporation. Fan and coil arrangement. 3,839,880, 10-8-74, Cl. 62-262.000.
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Prendergast, John F.; Chrapkowski, Ralph K.; and Lang, George R., to General Electric Company. X-ray table with self-storing tomographic coupling bar. 3,838,286, 9-24-74, Cl. 250-445.000.
Prendergast, John M., Jr.: *See*—
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Prentice, James C.: *See*—
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Prentice, James S.: *See*—
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Prentice, James S., to Esso Research and Engineering Company. Laminated non-woven sheet. 3,795,571, 3-5-74, Cl. 161-148.000.
Prentice, Winslow W.; and Malootian, Markay H., to United States of America, Navy. Method of making fusible and electrical conductive coating. 3,834,960, 9-1-74, Cl. 156-53.000.
Prenzel, Karl: *See*—
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Prenzel, Karl; and Barthel, Hans, to Ardie-Werk GmbH. Gear changing means for change-speed gearboxes. 3,818,776, 6-25-74, Cl. 74-364.000.
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Preseber, Kenneth E.; Schauer, Ronald E.; and Sikorski, Frank B., to GTE Automatic Electric Laboratories, Incorporated. Comminication switching system, with marker, register, and other subsystems coordinated by a stored program central processor. 3,835,260 9-10-74, Cl. 179-18.0es.
Presciencia, Limited: *See*—
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Prescott, Gerald F.; Lewis, Charles T., Jr.; and Owens, William R., to Texaco Inc. Ethyl chloride pyrolysis and use of ethylene and hydrogen chloride in alkylation. 3,800,001, 3-26-74, Cl. 260-683.530.
Prescott, Norman F., to Atwood & Morrill Co. Piston seal. 3,842,717, 10-22-74, Cl. 92-162.00r.
Prescott, Robert C., to Foxboro Company, The. Planar pressure-responsive elements. 3,812,767, 5-28-74, Cl. 92-48.000.
Prescott, Robert E. Removable adaptor between well and pump outlet. 3,838,735, 10-1-74, Cl. 166-85.000.
Presentey, Shelley M. Open switch bypass circuit. 3,789,238, 1-29-74, Cl. 307-119.000.
Presentey, Shelley M. Joystick type controller for switches. 3,818,154, 6-18-74, Cl. 200-6.00a.
Presentey, Shelley M. Device for anchoring leaders of flexible strips in the cores of reels or the like. 3,840,196, 10-8-74, Cl. 242-74.000.
Presentey, Shelley M. Special belt and pulley rim transmission device. 3,851,535, 12-3-74, Cl. 74-229.000.
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Presley, C. Travis; and Smith, Ronald E., to Marathon Oil Company. Stimulation with inhibited acidizing fluids. 3,831,679, 8-27-74, Cl. 166-307.000.
Presley, Rex W.: *See—*
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Presley, Robert W. Fish brooder or refuge. 3,824,956, 7-23-74, Cl. 119-3.000.
Presnetsov, Gennady Nikolaevich; and Dmitriev, Andrei Vladimirovich. Apparatus for electrical discharge treatment of a gas flow. 3,843,882, 10-22-74, Cl. 250-536.000.
Presnick, Michael C. Lightweight collapsible structures. 3,784,043, 1-8-74, Cl. 220-4.00f.
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Press, Irving D., to Resistoflex Corporation. Positive opening and closing constrictable tube valve with means for prolonging tube life. 3,791,617, 2-12-74, Cl. 251-81.000.
Press, Irving D.; Rink, Helm A.; and Menzel, John K., to Resistoflex Corporation. Constrictable tube valve with plural wall tube. 3,811,649, 5-21-74, Cl. 251-8.000.
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Press, John E., to Harig Precision, Inc. Knitting machine pattern wheel. 3,857,259, 12-31-74, Cl. 66-50.08a.
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Pressman, Gerald L., to Electroprint, Inc. Electrostatic modulator for controlling flow of charged particles. 3,796,490, 3-12-74, Cl. 355-3.000.
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Pressman, Gerald L.; and Kittredge, Thomas D., to Electroprint, Inc., mesne. Method for aperture controlled electrostatic image color reproduction or constitution. 3,809,557, 5-7-74, Cl. 96-1.200.
Pressman, Gerald L., to Electroprint, Inc. Electrostatic modulator for controlling flow of charged particles. 3,824,010, 7-16-74, Cl 355-3.00r.
Pressman, Gerald L., to Electroprint, Inc., mesne. Aperture controlled electrostatic printing system and method. 3,839,027, 10-1-74, Cl. 96-1.00r.
Pressman, Gerald L., to Electroprint, Inc Electrostatic modulator for controlling flow of charged particles. 3,850,628, 11-26-74, Cl. 96-1.500.
Pressure Science, Inc.: *See—*
Halling, Horace P., 3,797,836.
Taylor, Dudley D.; and Halling, Horace P., 3,857,572.
Prest, Jeffrey: *See—*
McMillan, Ian; and Prest, Jeffrey, 3,789,004.
McMillan, Ian; and Prest, Jeffrey, 3,789,005.
McMillan, Ian; and Prest, Jeffrey, 3,789,006.
Prestegaard, Paul G. Overhead glue pot apparatus. 3,795,223, 3-5-74, Cl. 118-262.000.
Presthus, Martin: *See—*
Haoya, Einar; Presthus, Martin; and Christiansen, Hans, 3,815,643.
Presti, Achille A.: *See—*
Mikan, Donald G.; and Presti, Achille A., 3,822,643.
Prestige Furniture Corporation: *See—*
Harman, Edward W.; and Leatherman, Marvin R., 3,797,885.
Presto Lock Co.; Division of Kidde, Walter, & Company, Inc.: *See—*
Bako, Lazlo; and Heine, Henry, 3,820,363.
Gehrie, Charles S., 3,851,507.
Presto Lock Co.; division of Kidde, Walter, & Company, Inc. Company, Inc.: *See—*
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Presto Lock Company; Division of: *See—*
Gehrie, Charles S., 3,851,507.
Presto Products Incorporated: *See—*
Heckrodt, William F., 3,826,361.
Preston, Charles F., to General Electric Company. Brush holder assembly. 3,784,856, 1-8-74, Cl. 310-239.000.
Preston, Clare A. Rotary snow thrower. 3,800,448, 4-2-74, Cl. 37-43.00a.
Preston, Edward G.: *See—*
Labbe, Francis A. M.; Preston, Edward G.; Hodsall, Brian; and Marritt, Clifford R., 3,813,996.
Molins, Desmond Walter; Labbe, Francis A. M.; Preston, Edward G.; and Jackson, Norman W., 3,854,487.
Preston, Edward George: *See—*
Labbe, Francis A. M.; Preston, Edward George; Dimgli, Paul; and Hirsh, Ivan Yehudi, 3,850,065.
Preston, Edward George; and Czoch, Jerzy Wladyslaw, to Molins, Limited. Web feeding and splicing device. 3,785,902, 1-15-74, Cl. 156-351.000.
Preston, Francis R.: *See—*
Kraft, Sidney; and Preston, Francis R., 3,815,026.
Preston, Frank S., to United Aircraft Corporation. Semiconductive encoder. 3,794,892, 2-26-74, Cl. 317-235.00r.
Preston, Frederick A.: *See—*
Pray, Lester W.; Christeson, John H.; Preston, Frederick A.; Sheron, Herman D.; Drake, William H.; and Anderson, Gordon C., 3,786,621.
Preston, Frederick A.; Tarbox, Philip B.; and Anderson, Gordon C., to Saco-Lowell Corporation. Spindle brake with articulated and detachable brake shoes. 3,808,790, 5-7-74, Cl. 57-88.000.
Preston, Gerald, to Lee, Raymond, Organization, Inc., The. Cleaner for forks. 3,784,999, 1-15-74, Cl. 15-218.100.
Preston, Jack: *See—*
Morgan, Herbert S.; Preston, Jack; and Black, William B., 3,796,693.
Preston, Jerome A., to Essex International Inc. Theic-hydantoin-ester resins for wire coatings. 3,835,121, 9-10-74, Cl. 260-77.5nc.
Preston, Kendall, Jr.; Wasserman, Julian; and Siebert, Edward T., to Perkin-Elmer Corporation, The. Membrane light modulator. 3,796,480, 3-12-74, Cl. 350-161.000.
Preston, Kevin S.: *See—*
Boocock, David; Bing, Alan J.; and Preston, Kevin S., 3,845,724.
Hicks, Alan; Bing, Alan J.; and Preston, Kevin S., 3,802,350.
Preston, Larry T. Magnetic tape reel setup. 3,785,482, 1-15-74, Cl. 206-53.000.
Preston, Leslie Raymond; Pope, Victor James; and Stagg, John. Packing method and apparatus. 3,849,966, 11-26-74, Cl. 53-29.000.
Preston, Marvin, IV: *See—*
Leibler, Jerome E.; Bloch, Carl J.; Preston, Marvin, IV; and Weiser, Mark D., 3,848,232.
Preston, Max K., Jr., to United States of America, Atomic Energy Commission. Lift coupling. 3,795,420, 3-5-74, Cl. 294-86.00a.
Preston, Norman Harvey; and Korytkowski, Henry M., to Burroughs Corporation. Adjustable stop collar for spring clutch. 3,802,540, 4-9-74, Cl. 192-12.000.
Preston, Ronald: *See—*
Cubbon, Robert C. P.; Braid, John E.; Oates, Alfred E.; and Preston, Ronald, 3,787,503.
Preston, Ulysses A.: *See—*
Kline, James D.; Yeh, William C. T.; and Preston, Ulysses A., 3,793,007.
Prestridge, Floyd L., to Combustion Engineering, Inc. Process for electrical coalescing of water. 3,847,775, 11-12-74, Cl. 204-191.000.
Prestridge, Floyd Leon, to Combustion Engineering, Inc. Electric control system. 3,849,285, 11-19-74, Cl. 204-305.000.
Prestridge, James C.: *See—*
Rittenhouse, Howard E.; and Prestridge, James C., 3,802,266.
Presuss, Friedrich; and Simeth, Claus, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Cleaning apparatus for a sheet delivery mechanism. 3,819,032, 6-25-74, Cl. 198-180.000.
Presz, Walter M., Jr., to United Aircraft Corporation. Minimum drag variable area exhaust nozzle. 3,837,577, 9-24-74, Cl. 239-265.330.
Prete, Ernest, Jr., to Ancra Corporation. Automatic pallet locking device. 3,810,534, 5-14-74, Cl. 193-40.000.
Preti, Jean, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Process and system for the identification of a vehicle. 3,798,641, 3-19-74, Cl. 343-6.5ss.
Preti, Jean-Claude, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Radar transmitter head with transmitting and receiving dielectric antennas. 3,806,942, 4-23-74, Cl. 343-702.000.

Preti, Jean-Claude, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.—. Method and apparatus for the detection of a presence. 3,836,965, 9-17-74, Cl. 343-8.000.
Pretorius, Hillius, to Super Braai (Proprietary) Limited. Cooking device. 3,853,046, 12-10-74, Cl. 99-449.000.
Pretorius, Victor; and Hahn, Hans Helmut. Apparatus for distribution separation processes, their manufacture and use. 3,796,657, 3-12-74, Cl. 210-31.00e.
Prette, Mario, to SEMEL S.p.A. Pivotal connection without clearance, especially for measuring instruments. 3,844,663, 10-29-74, Cl. 403-157.000.
Pretty Products, Inc.: *See—*
Wells, Charles A.; O'Neil, Robert A.; and Wilson, Michael C., 3,841,478.
Pretz, Floyd H. Paper trimming machine. 3,791,247, 2-12-74, Cl. 83-418.000.
Pretzer, Jacob R.: *See—*
Collin, Henry A., Jr.; Eaton, James O.; Collin, Henry A., III; Pretzer, Jacob R.; and Stroot, Donald H., 3,815,683.
Preud'Homme, Jean: *See—*
Mancy, Denise; Ninet, Leon; and Preud'Homme, Jean, 3,793,147.
Mancy, Denise; Ninet, Leon; and Preud'Homme, Jean, 3,821,366.
Mancy, Denise; Florent, Jean; and Preud'Homme, Jean, 3,822,350.
Preus, Paul; and Gallagher, John J. Convertible barrier for substances floating on water. 3,783,621, 1-8-74, Cl. 61-1.00f.
Preus, Paul. Hydrocarbon retainer for drydocks. 3,786,773, 1-22-74, Cl. 114-45.000.
Preus, Paul. Control of waterborne oil slicks. 3,795,315, 3-5-74, Cl. 210-242.000.
Preus, Paul. Inflatable barrier for substances floating on water. 3,849,989, 11-26-74, Cl. 61-1.00f.
Preus, Paul. Preparation of perlite-asphalt-fiber compositions for separating hydrocarbons from water. 3,855,152, 12-17-74, Cl. 252-430.000.
Preusker, Werner: *See—*
Ippen, Heiko; and Preusker, Werner, 3,806,124.
Preuss, Bernhard, to Siemens Aktiengesellschaft. Electric power circuit breaker equipped with a latching mechanism wherein restoring forces are provided as a function of switching shaft position. 3,835,275, 9-10-74, Cl. 200-153.0se.
Preuss, Ernest A.: *See—*
Sharpe, Louis F.; and Preuss, Ernest A., 3,801,821.
Preussag AG: *See—*
Beyersdorf, Hartwig; and Rims, Lothar, 3,795,904.
Kuhlmann-Schafer, Wilhelm, 3,809,145.
Kuhlmann-Schafer, Wilhelm H.; Hagen, Klaus; Peters, Hans-Dieter; and Wolters, Gunther, 3,800,057.
Preusser, Gerhard: *See—*
Diemer, Peter; Preusser, Gerhard; and Radusch, Paul, 3,840,653.
Preusser, Gerhard; Schulze, Martin; and Richter, Klaus, to Heinrich Koppers Gesellschaft mit beschrankter Haftung. Process for separating hydrocarbon mixtures comprising paraffins, monoolefins, diolefins and small amounts of more highly unsaturated hydrocabons by extractive distillation. 3,795,588, 3-5-74, Cl. 203-25.000.
Preusser, Joe R. Vehicle brake. 3,811,535, 5-21-74, Cl. 188-29.000.
Previati, Augusto, to Industrie Pirelli S.p.A. Expansible sector core for curing belts. 3,784,338, 1-8-74, Cl. 425-28.000.
Previte, Robert W.; and Chin, David, to Grace, W. R., & Co. Method of adding small amounts of solid particulate admixtures to hydraulic cement compositions. 3,812,076, 5-21-74, Cl. 260-37.0al.
Prevost, Michael T.: *See—*
Kamlukin, Igor; and Prevost, Michael T., 3,805,421.
Prevote, Andre: *See—*
Chauvet, Edmond; and Prevote, Andre, 3,788,634.
Prewo, Karl M.: *See—*
Kreider, Kenneth G.; and Prewo, Karl M., 3,795,042.
Prezewowsky, Klaus: *See—*
Hofmeister, Helmut; Laurent, Henry; Prezewowsky, Klaus; and Wiechert, Rudolf, 3,813,418.
Hofmeister, Helmut; Laurent, Henry; Prezewowsky, Klaus; and Wiechert, Rudolf, 3,839,369.
Hofmeister, Helmut; Laurent, Henry; Prezewowsky, Klaus; and Wiechert, Rudolf, 3,842,105.
Laurent, Henry; Wiechert, Rudolf; Prezewowsky, Klaus; Hofmeister, Helmut; Gerhards, Erich; Kolb, Karl Heinz; and Mengel, Klaus, 3,824,260.
Laurent, Henry; Wiechert, Rudolf; Prezewowsky, Klaus; Hofmeister, Helmut; Gerhards, Erich; Mengel, Klaus; and Kolb, Karl Heinz, 3,833,563.
Priaroggia, Paolo G.; and Maschio, Gabriele, to Industrie Pirelli, S.p.A. Synthetic resin sleeve with embedded stress control screen for high-voltage cables. 3,828,114, 8-6-74, Cl. 174-73.00r.
Priaroggia, Paolo Gazzana; and Ferrentino, Antonio, to Industrie Pirelli, S.p.A. Oil filled electric submarine cable with oil duct restrictors. 3,798,345, 3-19-74, Cl. 174-14.00r.
Priaroggia, Paolo Gazzana, to Industrie Pirelli, S.p.A. Underwater oil-filled electrical cable installation with means locally supporting the cable above the bed of the water. 3,813,476, 5-28-74, Cl. 174-37.000.
Priaroggia, Paolo Gazzana; and Maschio, Gabriele, to Industrie Pirelli, S.p.A. Electric cable with corrugated sheath and semi-conductive protective layer between the sheath and the core. 3,843,830, 10-22-74, Cl. 174-102.00d.
Priarone, Paul: *See—*
Lowy, George W.; Priarone, Paul; and Cullis, Herbert M., 3,787,124.
St. John Peter A.; and Priarone, Paul, 3,799,406.
Pribish, Bernard A.: *See—*
Morse, Donald B.; and Pribish, Bernard A., 3,788,174.
Morse, Donald B.; and Pribish, Bernard A., 3,800,647.
Morse, Donald B.; and Pribish, Bernard A., 3,803,964.
Morse, Donald B.; and Pribish, Bernard A., 3,837,247.
Pribyl, Edward J.: *See—*
Fried, Josef; Pribyl, Edward J., and Krapcho, John, 3,809,720.
Pribyl, George E.: *See—*
Glaros, Theodore J.; Hron, Roland L.; and Pribyl, George E., 3,816,842.
Price, Alson K.; and Fenster, Abraham N., to Allied Chemical Corporation. Novel amidoamine oxides. 3,828,085, 8-6-74, Cl. 260-404.500.
Price Brothers Company: *See—*
Keyser, Lewis R., 3,820,572.
Keyser, Lewis R., 3,825,037.
Marcum, Alfred L., Jr., 3,822,831.
Springer, Lamar D.; Mullendore, David L.; and Marcum, Alfred L., Jr., 3,820,729.
Price, Bryan: *See—*
Pearson, Ernest James; and Price, Bryan, 3,803,378.
Price, Charles C. Wheel alignment apparatus. 3,805,399, 4-23-74, Cl. 33-336.000.
Price, Charles Frederick J. Nameplate and business cardholder 3,782,012, 1-1-74, Cl. 40-1.500.
Price, Charles R.; and Abercrombie, William F., Jr., to Huber, J. M., Corporation. Controlling the leaching of kaolin clay. 3,853,984, 12-10-74, Cl. 423-131.000.
Price, Connor E.; and Derner, William J., to EMC Corporation. Wedge mounted machine element. 3,806,215, 4-23-74, Cl. 308-236.000.
Price, Dan M., to Stick N'Dip, Inc. Edible spooning device. 3,840,678, 10-8-74, Cl. 426-104.000.
Price, David B., to Phillips Petroleum Company. Valve mechanism for fluid contact apparatus. 3,815,880, 6-11-74, Cl. 261-114.0vt.
Price, David D., Jr.: *See—*
DeBell, Lawrence R.; and Price, David D., Jr., 3,833,922.
Price, David Watkin; Sidebottom, Ronald; Briscoe, Murray George; and Moore, Ronald Charles, to Coal Industry (Patents) Limited. Polyvinyl chloride resin composition closely simulating a grass playing surface in its bounce characteristics. 3,786,011, 1-15-7, Cl. 260-22.0cb.
Price, Edward W.; and Mathes, Homer B. Pulsed end-burning T-burner. 3,788,126, 1-29-74, Cl. 73-35.08b.
Price, Ford C., mesne: *See—*
DeBell, Lawrence R.; and Price, David D., Jr., 3,833,922.
Price, Frank D., and Conners, Richard G., to General Electric Company. Dual bushing capacitor terminal assembly. 3,792,193, 2-12-74, Cl. 174-153.00r.
Price, George D. Game apparatus with a pair of board members and playing pieces. 3,847,397, 11-12-74, Cl. 273-131.0ad.
Price, George McNair: *See—*
Moore, Lewis Frank; and Price, George McNair, 3,800,779.
Moore, Lewis Frank; and Price, George McNair, 3,809,062.
Price, Gordon L.: *See—*
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Price, H. C., Co.: *See—*
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Price, H. C., Company: *See—*
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Price, Harold M.: *See—*
Linzer, Frederick D.; and Price, Harold M., 3,830,107.
Price, Harry C., to Xerox Corporation. Copier jam protection. 3,819,266, 6-25-74, Cl. 355-64.000.
Price, Herbert K., to Reynolds Metals Company. Composite flexible sheet material. 3,844,878, 10-29-74, Cl. 161-190.000.
Price, James B.; and Lesk, Israel A., to Motorola, Inc. Semiconductor strain gage and method of fabricating same. 3,798,754, 3-26-74, Cl. 29-583.000.
Price, James D.: *See—*
Cheskis, Eugene M.; and Price, James D., 3,783,044.
Price, James E.: *See—*
Schleifer, Ronald H.; Price, James E.; and Bowden, Henry J., 3,792,553.

Price, Joe C. Revolver cylinder reloader. 3,785,077, 1-15-74, Cl. 42-89.000.
Price, John G.: *See—*
Erickson, Fred W.; and Price, John G., 3,821,727.
Price, John H.: *See—*
Diedrich, Donald F.; and Price, John H., 3,794,072.
Price, Joseph F.: *See—*
Bryan, Robert C., Jr.; and Price, Joseph F., 3,810,328.
Price, Kenneth R.: *See—*
Kawahata, Masayuki; and Price, Kenneth R., 3,788,967.
Kawahata, Masayuki; and Price, Kenneth R., 3,793,173.
Price, Larry V.: *See—*
Puster, Louis M.; and Price, Larry V., 3,844,442.
Price, Michael Stuart Thomas: *See—*
Hrovat, Milan Franc; Gough, John Richard Cox; and Price, Michael Stuart Thomas, 3,845,178.
Price, Paul B.: *See—*
Fleischer, Robert L.; and Price, Paul B., 3,802,972.
Fleischer, Robert L.; and Price, Paul B., 3,811,999.
Price, Peter: *See—*
United States of America, National Aeronautics and Space Administration, 3,817,082.
Price, Peter Ernst Dieter: *See—*
Dowdall, Dennis Stephen; and Price, Peter Ernst Dieter, 3,815,634.
Price, Peter Michael Myatt: *See—*
Mitchie, Robert Edward; and Price, Peter Michael Myatt, 3,857,095.
Price, Philip A., 1/2 to Jordan, Joseph P. Tool holder. 3,813,746, 6-4-74, Cl. 29-96.000.
Price, Ralph E.: *See—*
Gebel, Kurt M.; and Price, Ralph E., 3,812,627.
Price, Ralph E.; and Schoonover, Stanley C., to Landis Tool Company. Machine tool control system. 3,824,743, 7-23-74, Cl. 51-165.071.
Price, Ralph E., to Landis Tool Company. Machine tool fault indicator. 3,839,829, 10-8-74, Cl. 51-105.0sp.
Price, Raymond: *See—*
Cotton, Joseph Bernard; Mack, Peter Albert; and Price, Raymond, 3,837,964.
Price, Raymond G.: *See—*
Geiersbach, Allois F.; and Price, Raymond G., 3,784,890.
Price, Raymond G.; Stich, Frederick A.; and Moore, David L., to Allis-Chalmers Corporation. Variable time ratio control having power switch which does not require current equalizing means. 3,803,471, 4-9-74, Cl. 318-341.000.
Price, Raymond G.; and Stich, Frederick A., to Allis-Chalmers Corporation. Variable duty cycle traction motor control providing controlled plugging. 3,828,235, 8-6-74, Cl. 318-373.000.
Price, Raymond M.: *See—*
Hendrickson, Roger R.; Price, Raymond M.; and Reed, Russell, Jr., 3,806,461.
Price, Raymond M., to United States of America, Army, mesne. Propellants plasticized with high energy compounds and having high energy polymers as binder. 3,829,336, 8-13-74, Cl. 149-19.300.
Price, Raymond R., to Rochester Silo, Inc. Silo chute with separate discharge tube. 3,797,625, 3-19-74, Cl. 193-34.000.
Price, Rex. Apparatus for cleaning used bricks. 3,831,577, 8-27-74, Cl. 125-26.000.
Price, Richard. Sand blast apparatus. 3,793,778, 2-26-74, Cl. 51-12.000.
Price, Richard J. Radio navigation plotter. 3,813,753, 6-4-74, Cl. 33-1.0sd.
Price, Richard J. Radio navigation plotter. 3,855,706, 12-24-74, Cl. 33-1.0sd.
Price, Richard W., to Emhart Corporation. Adjustable chuck for containers or vials. 3,845,963, 11-5-74, Cl. 279-19.000.
Price, Robert B.; and Hosterman, Richard N., to Numicon, Inc. Incremental linear positioning apparatus. 3,793,896, 2-26-74, Cl. 74-89.150.
Price, Robert B.; Hosterman, Richard N.; and Cook, William G., to Numicon, Inc. Angular indexing apparatus for a machine tool. 3,795,155, 3-5-74, Cl. 74-826.000.
Price, Robert K., to Currency Systems, Inc. Method and apparatus for packaging coins. 3,842,573, 10-22-74, Cl. 53-35.000.
Price, Robert L.: *See—*
Webb, William L.; Warwick, Thomas R.; Hackey, Ronald D.; and Price, Robert L., 3,797,233.
Price, Robert T., to General Motors Corporation. Vacuum control for carburetor power enrichment apparatus. 3,789,702, 2-5-74, Cl. 74-859.000.
Price, Ronald; and Kelemen, Jozsef W., to Leigh Instruments Limited. Scratch strain recorder. 3,825,934, 7-23-74, Cl. 346-7.000.
Price, Samuel; Plummer, Thomas Frederick; Fowler, Robert James; Hill, Edward Reuben; Woodwards, Cecil; and Harrington, Ewart Arthur, to General Motors Corporation. Forming transverse corrugations in a tubular blank. 3,852,987, 12-10-74, Cl. 72-193.000.
Price, Walter V. Boat. 3,848,561, 11-19-74, Cl. 115-39.000.
Price, Warren H.; and Hochwitz, Lynn E., to Gilson Bros. Co. Friction drive with axially spaced disks and intermediate shiftable wheel. 3,813,954, 6-4-74, Cl. 74-194.000.
Price, William R. Security door locking system for automobiles. 3,782,140, 1-1-74, Cl. 70-124.000.
Price, William R. Pressurized fuel tank support for vehicles. 3,790,183, 2-5-74, Cl. 280-5.00a.
Price, Willie L. Tire tread construction. 3,805,865, 4-23-74, Cl. 152-209.000.
Pricemaster Limited: *See—*
Thomas, James Ernest, 3,793,114.
Pricer, Wilbur D.: *See—*
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Price's Patent Candle Company, Limited: *See—*
Woollard, Ronald Brian, 3,790,332.
Prichard, Evan S.: *See—*
Brennan, George; and Prichard, Evan S., 3,838,885.
Prichard, Robert A. Spinner for applying designs to fabrics. 3,847,116, 11-12-74, Cl. 118-52.000.
Prickett, William W. Drafting tool. 3,815,246, 6-11-74, Cl. 33-27.00c.
Prickril, William A., to Cities Service Oil Company. Hydrocarbon wax composition. 3,857,805, 12-31-74, Cl. 260-28.50b.
Priddle, John Edward: *See—*
Birchall, James Derek; Cassidy, John Edward; Priddle, John Edward; and Smith, Laurence Michael, 3,793,105.
Priddle, John Edward; and Richardson, Ronald William, to Imperial Chemical Industries Limited. Method for quenching glass laminates. 3,853,693, 12-10-74, Cl. 161-203.000.
Pridgen, Herman S.: *See—*
Weaver, Max A.; Pridgen, Herman S.; and Coates, Clarence A., Jr., 3,816,388.
Weaver, Max A.; and Pridgen, Herman S., 3,822,246.
Pridgen, Robert H. Leg muscle exercise apparatus. 3,834,694, 9-10-74, Cl. 272-58.000.
Priebe, Frank D.: *See—*
Kelseaux, Ray M.; Dobbs, Harold J.; and Priebe, Frank D., 3,785,202.
Priebe, Frank D., to Cities Service Oil Company. Well drilling method. 3,811,509, 5-21-74, Cl. 166-293.000.
Priebe, Henry Fred, Jr., to Bell Telephone Laboratories, Incorporated. Spectrum analyzer with simultaneous display for plural frequency bands. 3,786,351, 1-15-74, Cl. 324-77.00b.
Priebs, Horst; and Hecker, Alfred, to Anker-Werke AG. Recorder head for compound alphanumeric characters and code characters. 3,820,643, 6-28-74, Cl. 197-1.00r.
Priebs, Horst, to Anker-Werke AG. Recorder head for code characters in line printing. 3,834,506, 9-10-74, Cl. 197-1.00r.
Priedigkeit, John H.: *See—*
Keenan, Michael G.; Lynch, William M.; and Priedigkeit, John H., 3,789,412.
Priegel, Jack C. Electronic carburetion system for low exhaust emissions of internal combustion engines. 3,817,225, 6-18-74, Cl. 123-32.0ea.
Priegnitz, James W., to Universal Oil Products Company. Adsorptive separation of pinene isomers with adsorbents containing an aromatic hydrocarbon substrate. 3,845,151, 10-29-74, Cl. 260-675.500.
Priegnitz, Robert A., to Coilcraft, Inc. Voltage failure sensing circuit. 3,843,908, 10-22-74, Cl. 317-31.000
Priel, Ury, to National Semiconductor Corporation. Three-state logic circuit. 3,792,292, 2-12-74, Cl. 307-209.000.
Priem, Jan Jozef: *See—*
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Pries, Erich E., to Otto, C., Dr., & Comp. G.m.b.H. Coke quenching tower. 3,806,032, 4-23-74, Cl. 239-209.000.
Pries, Erich E., to Otto, C., Dr., & Comp. G.m.b.H. Smoke hood for coke ovens. 3,839,161, 10-1-74, Cl. 202-263.000.
Pries, Erich E., to Otto, C., Dr., & Comp. G.m.b.H. Apparatus for transporting and quenching coke pushed from horizontal coking chambers. 3,843,460, 10-22-74, Cl. 202-230.000.
Priese, Werner K.: *See—*
Flynn, Jae B.; and Priese, Werner K., 3,816,032.
Priesmeyer, Paul T.: *See—*
Oliver, John P.; Wedel, Alfred W.; and Priesmeyer, Paul T., 3,854,211.
Priest, Charles E., to Alum Elec Structures, Inc. Structures formed from structural members. 3,813,179, 5-28-74, Cl. 403-348.000.
Priest, David Charles; Sandner, Michael Ray; and Treeker, David John, to Union Carbide Corporation. Beta-amino carbonyl catalysts for polyurethane preparation. 3,821,131, 6-28-74, Cl. 260-2.5ac.
Priest, Lyle Gilbert, to Information Design, Inc. Spindle braking mechanism for microfilm reader. 3,787,004, 1-22-74, Cl. 242-204.000.
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Proctor, Frank Hanslow, to Transmission Developments, Limited. Electrical insulator having sheds arranged at an angle to its axis. 3,786,175, 1-15-74, Cl. 174-211.000.
Proctor, Robert H., to Jackes-Evans Manufacturing Company, mesne. Temperature responsive throttling valve. 3,785,554, 1-15-74, Cl. 236-34.000.
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Proefrock, Paul R., to Dura Corporation. Low cost headlight tester and method. 3,791,740, 2-12-74, Cl. 356-121.000.
Proehl, Norman P. Cutter head for suction dredge. 3,807,066, 4-30-74, Cl. 37-67.000.
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Pronier, Bernard Victor, to Laboratoires d'Electronique et d'Automatique Du Nord, Leanord. Process for regulating the concentration of a bath of dye or coloring and equipment for implementing this process. 3,807,872, 4-30-74, Cl. 356-181.000.
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Properzi, Ilario. Device for conveying the cooling and lubricating fluid in multi-stand rolling mills for the production of metal bars and wire. 3,805,568, 4-23-74, Cl. 72-43.000.
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Propst, Robert L. Timber harvesting machine. 3,797,540, 3-19-74, Cl. 144-3.00d.
Propst, Robert L.; and Propst, Howard B. Shear mechanism for timber harvesting machine. 3,807,472, 4-30-74, Cl. 144-34.00e.
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Protzman, John M., to Ever-Roll Manufacturing Corporation, The. Camera support. 3,833,196, 9-3-74, Cl. 248-206.00r.
Proudian, Andrew P., to Xonics, Inc. Electron radiographic imaging chamber with current enhancement. 3,792,278, 2-12-74, Cl. 250-382.000.
Proudian, Andrew P., to Xonics, Inc. Process of making a subtracted image radiographic record. 3,813,546, 5-28-74, Cl. 250-315.000.
Proudian, Andrew P.; and Scott, Paul B., to Xonics, Inc. Imaging gas for improved resolution in imaging chamber of electron radiography system. 3,831,027, 8-20-74, Cl. 250-315.00a.
Proudian, Andrew P., to Xonics, Inc. Method and apparatus for achieving gain in electron radiography imaging chamber. 3,835,321, 9-10-74, Cl. 250-315.000.
Prout, Wesley C., to Parke, Davis & Company. Universal wrist system. 3,798,680, 3-26-74, Cl. 3-12.400.
Prout, Wesley C., to Parke, Davis & Company. Prosthetic elbow with resilient locking assembly. 3,837,010, 9-24-74, Cl. 3-12.300.
Prouty, Robert E.; and Graf, Robert E., to Essex International, Inc. Electromagnetic relay. 3,825,865, 7-23-74, Cl. 335-128.000.
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Province, William F., to Ridge Tool Company, The. Heating platen having improved venting means. 3,802,943, 4-9-74, Cl. 156-583.000.
Province, William F.; and Cooper, Wayne E., to Ridge Tool Company, The. Pipe alignment device. 3,828,413, 8-13-74, Cl. 29-200.00p.

Provinsky, Jerry, to Bunker Ramo Corporation. Electrical connector assembly. 3,854,790, 12-17-74, Cl. 339-198.00ga.
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Pruignot, Michel, to Commissariat a l'Energie Atomique and Societe pour l'Application des Hautes Temperatures (Quartex). Method of fabrication of a composite product made up of at least two components having different compositions. 3,789,499, 2-5-74, Cl. 9-472.900.
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Pruckmayr, Gerfried, to Du Pont de Nemours, E. I., and Company. Ethylene copolymer dispersions for flame retardation and fibrous articles coated therewith. 3,789,047, 1-29-74, Cl. 260-28.50r.
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Pursley, Reedy Thomas. Portable syphonic pump. 3,829,249, 8-13-74, Cl. 417-411.000.
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Purtell, Rufus J., to Tri-Matic, Inc. Water regulator and power governor. 3,836,285, 9-17-74, Cl. 417-34.000.

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Puschel, Walter; Benoy, Gaston Jacob; and Kaz, Dietmar, to Agfa-Gevaert Aktiengesellschaft. Silver halide couplers photographic material containing azo masking. 3,844,795, 10-29-74, Cl. 96-100.000.

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Puski, Gabor, to Central Soya Company, Inc. Proteinaceous material for beverage use and method. 3,843,802, 10-22-74, Cl. 426-46.000.

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Puzio, Eugene T. Wire guide assembly. 3,839,777, 10-8-74, Cl. 29-203.0mw.

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Pyle, Owen, to Kingsford Company, The. Process for producing industrial fuel from waste woody materials. 3,852,048, 12-3-74, Cl. 48-209.000.

Pyler, Richard E.: *See*—
Teng, James; Lucas, James M.; and Pyler, Richard E., 3,788,984.
Teng, James; Stubits, Marcella C.; Pyler, Richard E.; and Lucas, James M., 3,824,085.

Pyles, Alvin C.: *See*—
Rowe, Charles S.; and Pyles, Alvin C., 3,791,488.

Pyles, Gerald Dee, to RCA Corporation. Delayed alarm and drowse for clock receivers. 3,825,836, 7-23-74, Cl. 324-396.000.

Pyles, Gerald Dee, to RCA Corporation. Cartridge changer with cartridge sensing means. 3,825,949, 7-23-74, Cl. 360-91.000.

Pyles, Gerald Dee, to RCA Corporation. Tape cartridge player mechanism. 3,852,818, 12-3-74, Cl. 360-92.000.

Pylon, Incorporated: *See*—
Burns, Robert G., 3,824,721.

Pylon Manufacturing Corporation: *See*—
Roberts, Harry W., 3,795,935.
Roberts, Harry W., 3,822,577.
Roberts, Harry W., 3,823,436.

Pyne, William R.: *See*—
Gross, Edward L., Jr.; Pyne, William R.; and Yauger, Donald L., 3,809,338.

Pyott, Frank: *See*—
Boone, Roger S.; and Pyott, Frank, 3,791,689.

Pyper, Alan Smith. Glass breaking. 3,819,096, 6-25-74, Cl. 225-96.500.

Pyrah, Patrick Frank, to British Aircraft Corporation Limited. Spherical microwave lenses. 3,787,856, 1-22-74, Cl. 343-18.00d.

Pyramid Derrick & Equipment Corporation: *See*—
Branham, Donald R.; Borg, Paul E.; and Goerner, Douglas C., 3,796,272.
Branham, Donald R., 3,796,323.

Pyramid, Inc.: *See*—
Smith, Thomas R., 3,823,577.

Pyro Control, Inc.: *See*—
Williams, Robert A., 3,833,063.

Pyrocom, Inc.: *See*—
Atkin, Robert F., 3,828,701.

Pyroil Company, Inc.: *See*—
Feldmann, Robert G., 3,782,837.
Feldmann, Robert G., 3,787,921.
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Pyronics, Inc.: *See*—
Padovani, Piero; and Boerio, Sergio, 3,790,333.
Shular, Howard Edward, 3,836,315.

Pyrotector Europe GmbH: *See*—
Kohr, Horst, 3,799,670.

Pyrotector Incorporated: *See*—
Tufts, Howard L., 3,788,400.
Vasel, Alfred W., 3,789,383.

Pyrotenax Limited: *See*—
Halliday, Kenneth David, 3,849,630.
Parker, Herbert William Mansfield, 3,789,130.
Sissons, Anthony Chamberlen; and Cairns, Malcolm, Anthony, 3,834,002.

Pyrz, Edmund J.: *See*—
Bush, John W.; and Pyrz, Edmund J., 3,809,756.

Pyzel, Ewald D.; and Codding, Harold E. Safety release ski boot system. 3,852,896, 12-10-74, Cl. 36-2.5al.

Q Designers Inc.: *See*—
Watanabe, Riki, 3,791,514.

Q. S. Industries, Inc.: *See*—
Molner, Donald Joseph, 3,791,905.

Q-Bit Corporation: *See*—
Callaway, Garry R., 3,805,164.
Mead, Hansel B., 3,843,922.

Q-dot Corporation: *See*—
Barkmann, Herman G., 3,788,388.

Q-TV, Inc.: *See*—
Eisenberg, Alvin S., 3,824,339.

Qantix Corporation: *See*—
Brown, John, 3,782,805.
Brown, John W., 3,846,012.

Qonaar Corporation: *See*—
Bock, Walter R., 3,807,628.
Bock, Walter R., 3,828,907.
Lugowski, Ronald J.; and Sciacero, Rinaldo, 3,788,439.
Wimpffen, George L., 3,782,142.

Quack, Paul, to Scharman & Co. Horizontal drilling and milling machine with a headstock movable upwardly and downwardly on guiding means. 3,853,423, 12-10-74, Cl. 408-235.000.

Quackenbush, Arthur B.: *See*—
Quackenbush, Robert C., 3,797,583.
Quackenbush, Robert C., 3,802,792.

Quackenbush, Robert C., 50% interest to Quackenbush, Arthur B. Positive feeding structure for tools incorporating pressure controlled feed member. 3,797,583, 3-19-74, Cl. 173-4.000.

Quackenbush, Robert C., 50% to Quackenbush, Arthur B. Positive feeding structure with programmed spindle speed control. 3,802,792, 4-9-74, Cl. 408-130.000.

Quadall Company, Inc.: *See*—
Woolsey, Nils S.; and Van Blair, Wade, 3,797,443.

Quadbeckseeger, Hans-Juergen: *See*—
Armbrust, Herbert; Kilpper, Gerhard; Quadbeckseeger, Hans-Juergen; Sturm, Hans-Juergen; Koehler, Waldemar; and Schecker, Hans-Georg, 3,830,863.

Quaedvlieg, Mathieu: *See*—
Walz, Klaus; Hees, Walter; and Quaedvlieg, Mathieu, 3,845,113.

Quaile, Henri; and Piguet, Paul, to Portescap. Elastic pivot bearing. 3,790,237, 2-5-74, Cl. 308-159.000.

Quaintance, Harold J.: *See*—
Wainer, Eugene; and Quaintance, Harold J., 3,805,023.
Wainer, Eugene; and Quaintance, Harold J., 3,822,128.

Quakenbrush, Howard M., to Flexsteel Industries, Inc. Retractable bed assemblies. 3,829,912, 8-20-74, Cl. 5-10.00b.

Quakenbush, Howard M., to Flexsteel Industries, Inc. Convertible seat-bed. 3,816,860, 6-18-74, Cl. 5-17.000.

Quakenbush, Howard M., to Flexsteel Industries, Inc. Compound swivel structure for vehicle seat support. 3,822,852, 7-9-74, Cl. 248-418.000.

Quaker Oats Company, The: *See*—
Armitt, John; Guerrero, Paul; and Peterson, Robert J., 3,834,119.
Bozer, Keith B.; and Brown, Lloyd H., 3,813,371.
Bozer, Keith B.; and Brown, Lloyd H., 3,816,375.
Bozer, Keith B.; Brown, Lloyd H.; and Fox, Robert H., 3,850,727.
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Brindell, Gordon D.; and Macander, Rudy F., 3,790,526.
Brindell, Gordon D.; and Wuskell, Joseph P., 3,796,685.
Brindell, Gordon D.; and Macander, Rudolph F., 3,803,268.
Brindell, Gordon D.; and Macander, Rudy (Rudolph) F., 3,816,544.
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Brindell, Gordon D.; and Macander, Rudolph F., 3,843,599.
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Charter, Wayne M., 3,851,570.
Crawford, Ralph W., 3,792,550.
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Henthorn, Larry J.; and Kincs, Frank R., 3,814,822.
Huffman, George W.; and Rustad, Norman E., 3,795,636.
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Reiling, Victor G., Jr., 3,827,774.
Reiling, Victor G., Jr., 3,841,018.
Simons, Henry M., 3,782,526.
Spengler, Duane E.; and Bartoo, Charles O., 3,789,538.

Quaker Oats Company, The, mesne: *See—*
Hempenius, Walter L.; Valenti, Joseph; and Moser, Robert E., 3,846,560.

Qualheim, Harold J. Glass washer for beverage glasses and the like. 3,781,939, 1-1-74, Cl. 15-76.000.

Quality Corporation, The: *See—*
Persson, Sten I., 3,818,254.

Quality Engineered Specialty Products, Inc.: *See—*
Rafe, Samuel Joseph; Burruss, Robert Page, Jr.; Lebow, Stanley Morris; and Callahan, Stephen Phillips, 3,847,317.

Quality Pool Supply Co.: *See—*
Engelhart, John M.; and Morrish, William P., 3,835,481.

Qualley, Ray W.; and Thompson, Robert L., to Modine Manufacturing Company. Dual fuel burner apparatus. 3,829,279, 8-13-74, Cl. 431-354.000.

Qualls, Paul J.: *See—*
Keefer, George E.; and Qualls, Paul J., 3,796,555.

Qually, Francis K.: *See—*
Jones, Donald A.; Orr, Howard S.; and Qually, Francis K., 3,786,664.

Quame, Babington A. Method and apparatus for sample evaluation. 3,843,323, 10-22-74, Cl. 23-230.00b.

Quan, Peter Michael: *See—*
Ashworth, Brian Thomas; Crawford, Kenneth; and Quan, Peter Michael, 3,826,779.

Quanbeck, Sherman H. Field cultivator tool support. 3,782,481, 1-1-74, Cl. 172-265.000.

Quanrud, Larry D.: *See—*
Andres, William A.; Quanrud, Larry D.; Koppa, Charles J.; Becker, Larry F.; Christoffersen, William K.; and Keely, James L., 3,851,950.

Quant, Donald J.; and Braband, Edward C., to Xerox Corporation. Heated pressure fusing system. 3,833,790, 9-3-74, Cl. 219-216.000.

Quanta Welding Company: *See—*
Schaitberger, Daniel A., 3,784,779.

Quantor Corporation: *See—*
Ammann, Stephen K., 3,820,123.

Quantronix Corporation: *See—*
Cohen, Martin G., 3,828,276.

Quantum, Inc.: *See—*
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Quantum Sensing, Incorporated: *See—*
Lueck, Arthur M.; and Youch, Edward A., 3,800,162.
Lueck, Arthur M., 3,830,572.

Quantz, Norman G., to Lectron Products Inc. Method and apparatus for detecting the utilization of a vehicle safety belt. 3,806,867, 4-23-74, Cl. 340-52.00e.

Quantz, Norman G., to Lectron Products Inc. Lock release with alarm switch mounting means. 3,857,001, 12-24-74, Cl. 200-61.640.

Quarch, Rolf: *See—*
Geiss, Richard; and Quarch, Rolf, 3,856,695.

Quarisa, Armando: *See—*
Roano, Domenico; and Quarisa, Armando, 3,828,909.

Quariullo, Orpheus F. Big game fishing chair. 3,851,916, 12-3-74, Cl. 297-188.000.

Quarmby, David John, to EMI Limited. Pattern recognition devices. 3,813,646, 5-28-74, Cl. 340-146.3ae.

Quarmby, Raymond Barber: *See—*
Davies, Terrence Ardern; and Quarmby, Raymond Barber, 3,818,414.

Quarmby, Robert Charles: *See—*
Clarke, Terence James Leonard; Quarmby, Robert Charles; and Lett, Philip Michael, 3,782,425.
Clarke, Terence James Leonard; Quarmby, Robert Charles; and Matts, George Arthur, 3,827,464.

Quarta, Sergio: *See—*
Di Fiore, Lucio; and Quarta, Sergio, 3,807,139.

Quartulli, Orlando J., to Pullman Incorporated. Process for producing high strength reducing gas. 3,828,474, 8-13-74, Cl. 48-214.000.

Quate, Calvin F. Method of and apparatus for processing of signals to transform information between the time domain and frequency domain. 3,803,395, 4-9-74, Cl. 235-193.000.

Quate, Calvin F., to Leland Stanford Junior University, The Board of Trustees of. Method of and apparatus for analog to digital conversion utilizing acoustic waves. 3,824,586, 7-16-74, Cl. 340-347.0ad.

Quate, Calvin F.; and Otto, Oberdan W., to Leland Stanford Junior University, Board of Trustees of. Method and system for acousto-electric scanning. 3,826,865, 7-30-74, Cl. 178-7.100.

Quate, Calvin F.; Otto, Oberdan W.; and Moll, Nicolas J., to Leland Stanford Junior University, Board of Trustees of. Method and sytem for acousto-electric scanning. 3,826,866, 7-30-74, Cl. 178-7.100.

Quatrini, L. R.: *See—*
Kim, Tat K.; Laferty, John M.; Macinnis, Martin B.; Patton, James C.; and Quatrini, L. R., 3,857,928.

Quatrini, L. Rita; Kim, Tai K.; Patton, James C.; and Macinnis, Martin B., to GTE Sylvania Incorporated. Process for producing ammonium metatungstate from ammonium tungstate by ion exchange. 3,857,929, 12-31-74, Cl. 423-593.000.

Quattlebaum, Walter J.: *See—*
Young, William O., Jr.; and Quattlebaum, Walter J., 3,790,424.
Young, William O., Jr.; Surka, Ebun A.; and Quattlebaum, Walter J., 3,835,746.

Quattrochi, Michael E.: *See—*
Speers, Samuel F.; Stewart, David F.; Leboda, Henry J.; and Quattrochi, Michael E., 3,796,370.

Quicker, Hubert H., Jr. Driver training apparatus. 3,795,990, 3-12-74, Cl. 35-11.000.

Quebec Iron & Titanium Corporation: *See—*
Chlu, Shiu-Tang, 3,786,133.

Quebedeaux, Bruno, Jr.: *See—*
Fawzi, Maged M.; and Quebedeaux, Bruno, Jr., 3,836,350.

Quednau, Peter: *See—*
Katsimbas, Themistoklis; Dalibor, Horst; and Quednau, Peter, 3,812,067.

Queen, Harold B.: *See—*
Dabney, William C.; Goodenough, Samuel H.; and Queen, Harold B., 3,795,558.

Queen, William B., to Harnischfeger Corporation. Electro-hydraulic steering system for vehicle having steerable front and rear ground wheels. 3,856,102, 12-24-74, Cl. 180-79.20c.

Queener, Carl A.: *See—*
Bacon, James L.; Queener, Carl A.; and Simpson, Henry W., 3,821,938.

Queener, Carl Allan: *See—*
Fuller, Sterritt Ray; Munzel, Howard Everett; and Queener, Carl Allan, 3,834,807.

Queffeulou, Jean-Yves; and Vautrin, Gerard C. Speech detector for PCM-TASI system. 3,801,747, 4-2-74, Cl. 179-15.0as.

Quellette, Alfred R.: *See—*
Benson, Alden P.; Foster, Kenneth J.; and Quellette, Alfred R., 3,783,452.

Quellette, Gerard. Footwear wiping machine. 3,849,822, 11-26-74, Cl. 15-36.000.

Quellette, Norman P.: *See—*
Jolly, Michael P.; Quellette, Norman P.; Vitti, Rudolf A.; and Pinzone, Salvatore M., 3,821,429.

Quemerais, Philippe: *See—*
Piret, Jean; and Quemerais, Philippe, 3,851,547.

Quemerais, Philippe, to Regie Nationale des Usines Renault and Automobiles Peugeot. Cam operated friction clutch. 3,812,943, 5-28-74, Cl. 192-93.00a.

Quemore, William J. Sr. Violin. 3,822,628, 7-9-74, Cl. 84-275.000.

Queneau, Paul B.; and Prater, John D., to Kennecott Copper Corporation. Nitric acid process for recovering metal values from sulfide ore materials containing iron sulfides. 3,793,429, 2-19-74, Cl. 423-34.000.

Queneau, Paul B.; and Prater, John D., to Kennecott Copper Corporation. Combined chemical treatment and flotation process for recovering relatively high grade molybdenite from off grade ore low grade ore materials. 3,834,893, 9-10-74, Cl. 75-2.000.

Quenelle, Robert C., to IMS Corporation. Display device and control circuit therefor. 3,854,073, 12-10-74, Cl. 315-200.00a.

Quenett, Rudolf, to Flachglas Aktiengesellschaft DELOG-DETAG. Sound suppressing double-glazed pane. 3,783,084, 1-1-74, Cl. 161-45.000.

Quenot, Denis; and Duc, Alain, to Compteurs Schlumberger. Token or coin inlet mechanisms for prior-payment machines. 3,795,297, 3-5-74, Cl. 194-1.00e.

Quenot, Michel, to Mabo, Stanley. Tape measure. 3,806,059, 4-23-74, Cl. 242-84.800.

Quenot, Michel, to Mabo, Stanley. Linear measuring instrument with incorporated braking device. 3,830,443, 8-20-74, Cl. 242-84.800.

Quenot, Michel, to Mabo, Stanley. Tape measure. 3,838,520, 10-1-74, Cl. 33-138.000.

Quenot, Michel, to Stanley-Mabo. Knife with a retractable blade. 3,857,176, 12-31-74, Cl. 30-162.000.

Quentin, Jean-Pierre: *See—*
Giguo, Claude; and Quentin, Jean-Pierre, 3,839,200.
Marze, Xavier; and Quentin, Jean-Pierre, 3,795,635.

Quenzel, Hermann: *See—*
Mengeringhausen, Max; Quenzel, Hermann; Gehrig, Reinhold; and Spanheimer, Willi, 3,783,232.

Quepor S.A.: *See—*
Dominici, Antonio, 3,831,343.
Dominici, Antonio, 3,849,965.

Quercetti, Alessandro. Sailplane. 3,801,052, 4-2-74, Cl. 244-153.00r.

Querci, Carlo; and Zucchinali, Carlo, to Italsider S.p.A. Connection device for dipper or ripper teeth, particularly for two-piece teeth of a dipper. 3,823,496, 7-16-74, Cl. 37-142.00a.

Quermann, Thomas R., to Sperry Rand Corporation. Multiple rotation gyroscope with a single moving element. 3,854,341, 12-17-74, Cl. 74-5.700.

Quesinberry, Arden L.; and Lawson, Edward J., to Westinghouse Electric Corporation. Circuit and method for arc protection of oinear beam devices. 3,786,275, 1-15-74, Cl. 307-136.000.

Quesinberry, Arden L.; and Espersen, Peter G., to Westinghouse Electric Corporation. Voltage droop compensation circuit for traveling wave tubes. 3,796,965, 3-12-74, Cl. 330-43.000.

Quesinberry, Elmen C.; Glover, Clarence C.; and Van Hook, Brewton O., to Westinghouse Electric Corporation. Antenna positioning system and method. 3,821,738, 6-28-74, Cl. 343-7.400.

Quest Electronics Corporation: *See—*
Wurm, Robert J.; and Bergson, Arnold A., 3,826,870.

Quest, Karl: *See—*
Rademacher, Friedrich; Quest, Karl; Knabe, Uwe; Unger, Dieter; Jordan, Heinz; Heckmann, Werner; and Plock, Karl, 3,807,463.

Questi, Charles J., Jr.: *See—*
Questi, Charles, Sr.; Kadlec, Jerry T.; and Questi, Charles J., Jr., 3,820,763.

Questi, Charles, Sr.; Kadlec, Jerry T.; and Questi, Charles J., Jr. Portable cement mixer. 3,820,763, 6-28-74, Cl. 259-178.00r.

Questor Corporation: *See—*
Bentley, David R., 3,799,301.
Bentley, David R.; and Alexander, Neil A., 3,850,453.
Castanis, George, 3,787,599.
Grimes, Gary S., 3,822,806.
Hardick, Aldin; House, Delbert; and Martin, Alvin M., 3,825,988.
Jacobs, Allen D.; and Jacobs, Robert V., 3,822,072.
Langieri, Michael, Jr.; and Meyers, Michael, 3,782,594.
Molitor, Robert P., 3,819,768.
Nisper, Kenneth J., 3,851,889.

Quetsch, Johann Peter, to Heinkel, Ernst, Maschinenbau KG. Centrifuge. 3,843,044, 10-22-74, Cl. 233-20.00r.

Queyroix, Christian A., to Aluminium Suisse S.A. Die. 3,810,372, 5-14-74, Cl. 72-56.000.

Queyroix, Christian A., to Aluminium Suisse S.A. Machine for the magnetomotive forming of metallic objects. 3,810,373, 5-14-74, Cl. 72-56.000.

Quichaud, Claude; Le Peuvedic, Jean-Pierre; and Tinchon, Jacques, to Societe Nationale des Petroles D'Aquitaine. Device for suspending measuring instruments in a drill string. 3,782,464, 1-1-74, Cl. 166-224.000.

Quick, Donald J., to International Harvester Company. Jib cranes. 3,855,954, 12-24-74, Cl. 212-8.00r.

Quick, Graeme R., to Iowa State University Research Foundation Inc. Vortex fan means for a crop gathering apparatus. 3,828,531, 8-13-74, Cl. 56-12.900.

Quick, John Kirby; Richardson, Kenneth; and Utting, Kenneth, to Beecham Group Limited. Process for the production of 3-thienylacetic acid. 3,828,074, 8-6-74, Cl. 260-332.20a.

Quick, Robert G., to Hy-Rider Inc. Travel home with car-top hitch. 3,801,138, 4-2-74, Cl. 280-478.00r.

Quick Service Textiles, Inc.: *See—*
Miller, Samuel E.; Crawford, Warren N.; and Lawter, Cletus C., 3,805,737.

Quietzsch, Gerhard; Greiner, Bernd; Hund, Helmut; Nottebohm, Harald; and Pelz, Lothar, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for adjusting the electrode distance in an electrolytic cell with flowing mercury cathoe. 3,790,457, 2-5-74, Cl. 204-99.000.

Quigg, Harold T.; and Schirmer, Robert M., to Phillips Petroleum Company. Method of selectively introducing and heating three streams of air into a combustor. 3,826,077, 7-30-74, Cl. 60-39.020.

Quigg, Harold T., to Phillips Petroleum Company. Combustion process with selective heating of combustion and quench air. 3,826,078, 7-30-74, Cl. 60-39.020.

Quigg, Harold T.; and Schirmer, Robert M., to Phillips Petroleum Company. Combustion method with selective cooling and controlled fuel mixing. 3,826,079, 7-30-74, Cl. 60-39.060.

Quigley Company, Inc.: *See—*
Dreyling, Alfred P., 3,833,391.

Quigley, John B.: *See—*
Lohr, Raymond J.; and Quigley, John B., 3,801,102.

Quigley, Joseph C.: *See—*
Acks, Robert S.; and Quigley, Joseph C., 3,805,157.

Quigley, Peter J. C. Board for a board game. 3,809,407, 5-7-74, Cl. 273-134.00g.

Quigley, Richard E., Jr.; and McFadden, Buryl L., Jr., to United States of America, Air Force. Dual mode auxiliary power unit. 3,834,161, 9-10-74, Cl. 60-244.000.

Quigley, Robert E.: *See—*
Raymond, David W.; Lewis, Robert E.; and Quigley, Robert E., 3,788,608.

Quik-Die, Inc.: *See—*
Shelton, Winston L.; and Newman, Joseph L., 3,845,812.

Quilico, Adolfo: *See—*
Minisci, Francesco; Bertini, Franco; Galli, Remo; and Quilico, Adolfo, 3,801,580.

Quillet, Gerard: *See—*
Bruhlet, Paul; and Quillet, Gerard, 3,809,524.

Quillevere, Herve Alain: *See—*
Buisson, Marc Francois Bernard; Foure, Claude Desire; Lacroix, Armand Jean-Baptiste; Quillevere, Herve Alain; and Rousseau, Gilbert James, 3,841,565.
Caruel, Jacques Emile Jules; Quillevere, Herve Alain; Castellant, Jean-Pierre Jules Emile; and Lacroix, Armand Jean-Baptiste, 3,811,276.

Quilliam, Robert Mark, to Marconi Company Limited, The. Semiconductor memory device arrangements. 3,827,033, 7-30-74, Cl. 340-173.00r.

Quindar Electronics, Inc.: *See—*
Epstein, Philip L., 3,835,413.
Wang, Kuei-Send; Epstein, Philip L.; and Lu, John Hsueh Chung, 3,849,764.

Quinif, Edward G., to Walled Lake Door Company. Window shutter construction. 3,782,051, 1-1-74, Cl. 52-473.000.

Quinlan, Joseph B.; and Darrah, Arthur F., to United States of America, Army, Ammunition. 3,847,081, 11-12-74, Cl. 102-38.000.

Quinlan, Patrick M., to Petrolite Corporation. Polyquaternary ammonium methylene phosphonates and uses thereof. 3,792,084, 2-12-74, Cl. 260-502.500.

Quinlan, Patrick M., to Petrolite Corporation. Methylene phosphonates of glycidyl reacted polyamines. 3,799,893, 3-26-74, Cl. 260-2.0bd.

Quinlan, Patrick M., to Petrolite Corporation. Bis-quaternary cyclic thiazines. 3,828,036, 8-6-74, Cl. 260-243.00b.

Quinlan, William J.; and Huver, Lawrence L., to Hastings Manufacturing Company. Windshield wiper assembly. 3,785,002, 1-15-74, Cl. 15-250.360.

Quinlan, William J.; and Huver, Lawrence L., to Hastings Manufacturing Company. Windshield wiper assembly. 3,838,475, 10-1-74, Cl. 15-250.320.

Quinlan, William J.; and Huver, Lawrence L. Windshield wiper assembly. 3,845,519, 11-5-74, Cl. 15-250.320.

Quinlan, William J.; and Huver, Laurence L., to Hastings Manufacturing Company. Wiper arm adapter for converting a single wiper arm to an articulating wiper arm. 3,852,845, 12-10-74, Cl. 15-250.230.

Quinley, Adrian L. Outboard motor anti-theft device. 3,848,441, 11-19-74, Cl. 70-232.000.

Quinn, Alton Dewitt, to International Flavors & Fragrances Inc. Improved tobacco product containing phenyl pentenals. 3,805,804, 4-23-74, Cl. 131-144.000.

Quinn, Brian P., to United States of America, Air Force, Aerodynamic nozzles in rectangular duct. 3,785,405, 1-15-74, Cl. 138-39.000.

Quinn, Brian P., to United States of America, Air Force. Compact high thrust augmentation ejector system. 3,834,834, 9-10-74, Cl. 417-179.000.

Quinn, Daniel J.; and Paradis, Edouard L., to United Aireraft Corporation. Cylindrical RF sputtering apparatus. 3,855,110, 12-17-74, Cl. 204-298.000.

Quinn, Edward P.: *See—*
Pearson, Walter C.; Quinn, Edward P.; and Thompson, Dorman N., 3,790,041.

Quinn, Frederic R., to Zyrotron Industries, Inc. Plurality of semiconductor elements mounted on a common base. 3,820,153, 6-25-74, Cl. 357-81.000.

Quinn, Gerald L. Tractor mounted hydraulic posthole digger. 3,789,931, 2-5-74, Cl. 173-22.000.

Quinn, Governor V.: *See—*
Krus, Jerome J.; Quinn, Governor V.; and Jordan, Ulice A., 3,807,061.

Quinn, Hubert F., to International Business Machines Corporation. Externally accessing mechanical difficult to access circuit nodes using photo-responsive conductors in integrated circuits. 3,801,910, 4-2-74, Cl. 324-158.00d.

Quinn, James L. Control for well pump. 3,801,889, 4-2-74, Cl. 318-481.000.

Quinn, James L. Light load control for well pump. 3,858,102, 12-31-74, Cl. 318-474.000.

Quinn, Jerome B., to Philadelphia Gear Corporation. Mixer impeller blade. 3,816,024, 6-11-74, Cl. 416-210.000.

Quinn, John N. Crushing plant. 3,841,570, 10-15-74, Cl. 241-78.000.

Quinn, Paul: *See—*
Martin, Ricky; and Quinn, Paul, 3,831,065.

Quinn, Peter H. Ice hockey garment. 3,787,892, 1-29-74, Cl. 2-2.000.

Quinn, Peter T., to Honeywell Inc. Push button connector connecting cable with integral push button switch. 3,782,256, 1-1-74, Cl. 95-11.50r.

Quinn, Robert M.: *See—*
Kump, Herbert J.; Lambert, Lloyd M., Jr.; and Quinn, Robert M., 3,814,992.

Quinn, Ronald E., to General Motors Corporation. External recirculation burner. 3,846,062, 11-5-74, Cl. 431-116.000.

Quinn, Ronald E., to General Motors Corporation. Internal recirculation burner. 3,852,021, 12-3-74, Cl. 431-116.000.

Quint, Henry J., to Rapistan Incorporated. Method and apparatus for removing filaments from the axle of a caster. 3,847,665, 11-12-74, Cl. 134-6.000.
Quint, Robert John: *See*—
Cantor, Stephen E.; Brindell, Gordon Dwight; and Quint, Robert John, 3,819,662.
Quintal, Bertram S.; and Maynard, Derek J., to Energy Sciences Incorporated. Elongated electron-emission cathode assembly and method. 3,848,153, 11-12-74, Cl. 313-346.000.
Quintana, Elias D.: *See*—
Karubian, Ralph; and Quintana, Elias D., 3,857,177.
Milette, Kenneth A.; Uyeda, Tom M.; and Quintana, Elias D., 3,788,342.
Quintilian, Bartholomew Frank, to Koppers Company, Inc. Precipitator plate production system with low level bundling and transport. 3,798,745, 3-26-74, Cl. 29-464.000.
Quintilian, Bartholomew Frank, to Koppers Company, Inc. Plate production system with low level bundling, stacking, and transport. 3,800,404, 4-2-74, Cl. 29-469.000.
Quinting, Rudi Franz; and Gavagan, James A., to Irvin Industries, Inc. Reel switch for safety belts. 3,806,678, 4-23-74, Cl. 200-61.58b.
Quinto, Mario. Reversible motor hydraulic control system. 3,855,791, 12-24-74, Cl. 60-380.000.
Quiquerez, Joseph: *See*—
Kennel, Michael; and Quiquerez, Joseph, 3,832,200.
Laurent, Pierre; Clement, Jean-Francois; and Quiquerez, Joseph, 3,802,898.
Quiram, Ronald G., to Poloron Products of Indiana, Inc. Self-propelled vehicle drive. 3,853,197, 12-10-74, Cl. 180-19.00r.
Quirijnen, Marius, to U.S. Philips Corporation. Paper stacker. 3,820,700, 6-28-74, Cl. 226-74.000.
Quiring, Bernd: *See*—
Wagner, Kuno; Oertel, Gunter; Golitz, Hans Dietrich; and Quiring, Bernd, 3,856,756.
Quiring, Bernd; Wagner, Kuno; Golitz, Ingrid Irene Klarchen; and Noll, Walter, to Bayer Aktiengesellschaft. Mixtures of 5-silaimidazolidones-(2) which contain isocyanate groups and urethanes. 3,793,253, 2-19-74, Cl. 260-77.5st.
Quirk, Jack M. Running gear. 3,810,652, 5-14-74, Cl. 280-125.000.
Quirk, James F.: *See*—
Martineic, Paul W.; and Quirk, James F., 3,783,181.
Quirk, John Andrew, to Atkinson's of Clitheroe Limited. Safety guards. 3,797,328, 3-19-74, Cl. 74-609.000.
Quirk, John Andrew, to Atkinson's of Clitheroe Limited. Safety guards. 3,797,329, 3-19-74, Cl. 74-609.000.
Quirk, John Benjamin, to General Electric Company. Microwave amplifier. 3,842,361, 10-15-74, Cl. 330-56.000.
Quirk, Robert W., to Valve Systems International, Inc., mesne. Ball valve with filament wound body. 3,857,546, 12-31-74, Cl. 251-315.000.
Quirk, Virgil P., to Stackpole Carbon Company. Method of making electrical resistance devices and articles made thereby. 3,791,863, 2-12-74, Cl. 117-217.000.
Quirk, Virgil P., to Stackpole Carbon Company. Fail-safe electric water heater. 3,852,566, 12-3-74, Cl. 219-311.000.
Quisenberry, Carter E., to AMF Incorporated. Pedal operated shoe brake for juvenile bike. 3,854,555, 12-17-74, Cl. 188-24.000.
Quist, Frederick Fenn, Jr., to International Business Machines Corporation. Record card receiving and feeding apparatus. 3,823,936, 7-16-74, Cl. 271-118.000.
Quitmann, Walter: *See*—
Meyer, Walter; and Quitmann, Walter, 3,814,646.
Quitt, Peter: *See*—
Furlenmeier, Andre; Quitt, Peter; Vogler, Karl; and Lanz, Paul, 3,839,322.
Quitt, Peter; Vogler, Karl; deceased (by Volger, Heinrich; Volger, Franzieka Elisabeth; and Volger, Niklaus Edward; sole heirs at law); and De Week, Alain. N-(substituted-alpha-penicilloyl)-amino carboxylic. 3,804,820, 4-16-74, Cl. 260-112.500.
Quittner, Leonard M. Simulated log burner. 3,817,686, 6-18-74, Cl. 431-125.000.
Quoos, Kurt: *See*—
Ahrweiler, Karl-Heinz; Appenzeller, Valentin; Quoos, Kurt; and Kusters, Edward, 3,851,685.
Takriti, Nassir; Quoos, Kurt; Leifeld, Ferdinand; and Appenzeller, Valentin, 3,800,568.
Quoss, Robert N.: *See*—
Siegelman, Abe; Quoss, Robert N.; and Pawlak, Raymond M., 3,856,536.
Quynn, Richard G., to Burlington Industries, Inc. Barre reduction process. 3,847,544, 11-12-74, Cl. 8-178.000.
Q.V.S. Inc.: *See*—
Fogle, Fredric D., 3,838,369.
R. S. Reciprocating Trainer Enterprises, Inc.: *See*—
Soderberg, Raymond Henry, Sr., 3,824,994.
Raab, Andrew F.; and Schaad, William J., to Indak Manufacturing Corporation. Alternate action switch with sealing giving visual indication of switch position. 3,790,734, 2-5-74, Cl. 200-168.00g.
Raab, Andrew F., to Indak, Manufacturing Corporation. Miniature push-button electrical switch with insertable stationary contact mounting means. 3,796,847, 3-12-74, Cl. 200-159.00r.
Raab, Andrew F. Safety switch and control system for vehicles. 3,798,402, 3-19-74, Cl. 200-161.000.
Raab, Hans: *See*—
Molls, Hans-Heinz; Hornle, Reinhold; Bucheler, Manfred; Raab, Hans; and Adrio, Joachim, 3,785,969.
Trattner, Hermann; and Raab, Hans, 3,827,398.
Raab, Owen E. Apparatus for constructing studded wooden walls. 3,817,438, 6-18-74, Cl. 227-152.000.
Raab, Ronald Buxton: *See*—
Sherman, James Webster; and Raab, Ronald Buxton, 3,837,992.
Troyer, Richard Lloyd; and Rohweder, Theodore Richard, 3,822,836.
Raab, Stefan: *See*—
Kreuz, Otto; and Raab, Stefan, 3,853,233.
Raab, Stephan: *See*—
Kreuz, Otto; and Raab, Stephan, 3,833,048.
Raabe, Francis O.; and Yossa, Frank A., to Armco Steel Corporation. Method and apparatus for the high temperature annealing of metallic coils. 3,846,190, 11-5-74, Cl. 148-155.000.
Raabe, Gerhard; Eckstein, Dieter; Sauermann, Heinz; and Winkler, Gerhard. Semiconductor capacitance diode having rounded off doping impurity profile. 3,840,306, 10-8-74, Cl. 357-14.000.
Raabe, Ralph Christian, Jr.: *See*—
Meserve, Forrest Clayton; and Raabe, Ralph Christian, Jr., 3,820,580.
Raabe, Thomas; Nitz, Rolf-Eberhard; and Scholtholt, Josef, to Cassella Farbwerke Mainkur Aktiengesellschaft. Derivatives of 1-phenoxy-3-amino-propan-2-ol. 3,830,806, 8-20-74, Cl. 260-240.00j.
Raabe, Thomas; Stachel, Adolf; deceased (by Stachel, Ingeburg Lydia Katharina; heiress); Scholtholt, Josef; and Nitz, Rolf-Eberhard, to Cassella Farbwerke mainkur Aktiengesellschaft. Derivatives of 3-benzoyl-2-(-hydroxyphenethylamino)-propionitrile. 3,846470, 11-5-74, Cl. 260-465.00e.
Raaber, Norbert. Reinforced girders of steel and concrete. 3,835,607, 9-17-74, Cl. 52-223.000.
Raag, Frants Ivanovich: *See*—
Nessler, Andrei Maximilianovich; Raag, Frants Ivanovich; Savelieva, Maria Pavolovna; Vikhrova, Agrippina Gavrilovna; and Dmitriev, Leonid Sergeevich, 3,834,146.
Raal, Frederick Anton: *See*—
Custers, Joseph Lambert Maria; and Raal, Frederick Anton, 3,828,848.
Raal, Johan D., to Canadian Patents and Development Limited. Vapour-liquid equilibrium still. 3,794,566, 2-26-74, Cl. 202-160.000.
Raap, Rintje: *See*—
Rubinfeld, Joseph; Lemiuex, Raymond Urgel; and Raap, Rintje, 3,843,637.
Raasch, Hans; Engelhardt, Dietmar; and Maassen, Wilhelm, to Schlathorst, W., & Co. Bobbin holder. 3,850,394, 11-26-74, Cl. 242-129.700.
Raasch, Maynard S., to Du Pont de Nemours, E. I., and Company. Haloalkyl-4-thiazolidinone. 3,853,902, 12-10-74, Cl. 260-306.70r.
Raat, Terry J., to White Automotive Corporation. Motorcycle rack. 3,791,563, 2-12-74, Cl. 224-39.00r.
Raatz, Helmuth E.; and Melzer, Eugene, to Continental Can Company, Inc. Cap feeding apparatus. 3,800,501, 4-2-74, Cl. 53-315.000.
Rabago, Tony, Jr.: *See*—
Schwartz, Andrew K., Jr.; and Rabago, Tony, Jr., 3,835,199.
Rabanus, Kurt. Letting-out of hides and similar materials. 3,854,309, 12-17-74, Cl. 69-23.000.
Rabaska, Reinhart J.: *See*—
Wulke, William L.; and Rabaska, Reinhart J., 3,796,063.
Rabatin, Jacob G., to General Electric Company. X-ray image converters utilizing lanthanum and gadolinium oxyhalide luminous materials activated with thulium. 3,795,814, 3-5-74, Cl. 250-460.000.
Rabbitt, Robert R.: *See*—
Holtkamp, Donald A.; Chichester, Willard L.; and Rabbitt, Robert R., 3,834,569.
Rabe, Erich, to Polyband Gesellschaft fur Tontrager mbH & Co. KG. Method for cutting gramophone records, and articles produced thereby. 3,850,436, 11-26-74, Cl. 274-42.00r.
Rabe, George B., to Thiokol Chemical Corporation. Rolling diaphragm for expelling liquid from tapered tanks. 3,847,310, 11-12-74, Cl. 222-386.500.
Rabe, Jurgen: *See*—
Koschmieder, Hartmut; Olschewski, Armin; Paschke, Hans-Dieter; Pflugner, Wolfgang; and Rabe, Jurgen, 3,804,203.
Rabelos, Nicholas A., to Rescue Industries, Inc. Fire escape device with belt tightening slide. 3,834,489, 9-10-74, Cl. 182-5.000.
Rabelow, Harold H., to Marsh Stencil Machine Company. Stencil assembly with foldable adhesive covering guardian strip. 3,786,748, 1-22-74, Cl. 101-128.100.

Rabelow, Harold H., to Marsh Stencil Machine Company. Reinforced stencil assembly with foldable, adhesive covering guardian strip. 3,788,217, 1-29-74, Cl. 101-128.100.
Rabenau, Richard, to Bendix Corporation, The. Method and circuit for fluid pressure gaging. 3,792,605, 2-19-74, Cl. 73-37.900.
Rabenecker, Horst: *See*—
Wachter, Karl-August; and Rabenecker, Horst, 3,782,198.
Rabenhorst, David W.; Brandt, Alan; Darnell, Kenneth E.; and George, James F., to Johns Hopkins University, The. Pseudo-isotropic filament disk structures. 3,788,162, 1-29-74, Cl. 74-572.000.
Rabenhorst, Helmut: *See*—
Bonnet, Dieter; and Rabenhorst, Helmut, 3,818,426.
Rabenstein, Heinrich: *See*—
Niklas, Hans; Knabenbauer, Wolfgang; and Rabenstein, Heinrich, 3,836,401.
Raber, John Wayne. Incinerator. 3,808,985, 5-7-74, Cl. 110-3.000.
Raber, Samuel; and Heim, Alan M., to Baker Industries, Inc. Supervised battery power supply. 3,811,122, 5-14-74, Cl. 340-249.000.
Rabett, Reginald George Edward, to Adams, Robert D. and Sharland, Ian J. Tools for use in percussive machines. 3,856,107, 12-24-74, Cl. 181-33.00a.
Rabian, Laszlo: *See*—
Ullmann, Werner; Rabian, Laszlo; and Saglini, Marco, 3,806,788.
Rabie, Lee C. Traffic control box assembly having a fixed back panel and a main housing detachably hinged thereto. 3,808,504, 4-30-74, Cl. 317-99.000.
Rabin, Brian Robert; and Williams, David John. Biological test. 3,816,263, 6-11-74, Cl. 195-103.50r.
Rabin, Moisei Osipovich: *See*—
Krendel, Leonid; Nikonov, Vladimir Filippovich; Ognevsky, Viktor Alexeevich; Orlovsky, Anatoly Georgievich; Ostrovsky, Grigory Arkadievich; Palkin, Valery Evseevich; Pakhomov, Anatoly Vladimirovich; Stepin, Anatoly Loginovich; Trofimov, Oleg Fedorovich; Shpelyakovsky, Konstantin Zakharovich; Ryskind, Alexandr Moiseevich; Shklyarov, Isaak Nakhimovich; Rabin, Moisei Osipovich; Kalner, Veniamin Davydovich; and Fishkis, Mikhail Mironovich, 3,844,852.
Rabiner, Lawrence Richard: *See*—
Flanagan, James Loton; Rabiner, Lawrence Richard; and Schafer, Ronald William, 3,828,132.
Rabinov, Anatoly Isaakovich: *See*—
Volovich, Vladimir Ruvimovich; Rabinov, Anatoly Isaakovich; Rutsky, Vladimir Vasilievich; and Jutkevich, Valery Ivanovich, 3,830,316.
Rabinovich, Esfir Salimanovna: *See*—
Bakul, Valentin Nikolaevich; Rabinovich, Esfir Salimanovna; and Yakovchuk, Jury Alexandrovich, 3,817,976.
Rabinovich, Sofya Petrovna: *See*—
Kachlova, Revekka Vulfovna; Nemtsov, Mark Semenovich; Balkhanova, Galina Fedorovna; Bychkovskaya, Ljudmila Nikolaevna; Mescherskaya, Vera Mikhailovna; and Rabinovich, Sofya Petrovna, 3,846,338.
Rabinow, Jacob. Vertical stabilizer for phonograph arms. 3,830,505, 8-20-74, Cl. 274-1.00r.
Rabinowitz, Azriel J.; and Cama, John J., to United States of America, Navy. Safety mechanism for military fuzes. 3,826,194, 7-30-74, Cl. 102-79.000.
Rabinowitz, L. M., & Company, a Division of Athlone Industries, Inc.: *See*—
Simon, Jack, 3,810,435.
Rabinowitz, Paul: *See*—
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Rabo, Jule A.: *See*—
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Rabo, Jule A.; Poutsma, Marvin L.; and Skeels, Gary W., Jr., to Union Carbide Corporation. Crystalline metal aluminosilicates having halide and certain other salts irreversibly occluded therein certain other salts irreversibly occluded therein. 3,816,341, -11-74, Cl. 252-438.000.
Rabodzei, Nikolai; Ljubimov, Evgeny Mikhailovich; Nadobnikov, Mikhail Nikolaevich; and Krokhin, Alexandr Alexandrovich. X-ray television measuring microscope. 3,818,233, 6-18-74, Cl. 250-444.000.
Rabodzei, Nikolai Vasilievich: *See*—
Efanov, Valery Pavlovich; Komyak, Nikolai Ivanovich; Ljuttsau, Vsevolod Grigorievich; and Rabodzei, Nikolai Vasilievich, 3,833,810.
Rabodzei, Nikolai Vasilievich; Ljubimov, Evgeny Mikhailovich; Nadobnikov, Mikhail Nikolaevich; and Krokhin, Alexandr Alexandrovich. Closed-circuit TV inspection X-ray microscope. 3,846,632, 11-5-74, Cl. 250-312.000.
Raboin, Robert G., to General Electric Company. Split locking piece for circumferential dovetail on turbine wheel. 3,826,592, 7-30-74, Cl. 416-222.000.
Rabold, Jurgen: *See*—
Giebler, Fritz; Moder, Hans-Ulrich; Rabold, Jurgen; and Schaffer, Bernhard, 3,820,077.
Grossmann, Gunter; Huber, Josef; Moder, Hans-Ulrich; Schaffer, Bernhard; Lenz, Ulrich; Petersen, Joachim; and Rabold, Jurgen, 3,818,199.
Rabone Chesterman Limited: *See*—
Hogan, Brian D.; and Twamley, Colin John, 3,816,925.
Rabow, Gerald, to International Telephone and Telegraph Corporation. Maximum-likelihood detection system. 3,815,028, 6-4-74, Cl. 325-304.000.
Rabow, Gerald, to International Telephone and Telegraph Corporation. Step tacking system. 3,842,420, 10-15-74, Cl. 343-117.00r.
Rabow, Jack Jacob: *See*—
Avon, Eric Joseph; and Rabow, Jack Jacob, 3,808,827.
Rabowsky, Hans: *See*—
Nolte, Gerhard; Rabowsky, Hans; Krause, Johannes; and Narres, Hans-Dieter, 3,788,842.
Raby, Virgil W., to General Motors Corporation. Bearing lubrication system. 3,796,283, 3-12-74, Cl. 184-11.00a.
Race, Andras, 54% to Litvin, Robert L. and 46% to Marino, Louis L. Building material for modular construction. 3,847,633, 11-12-74, Cl. 106-98.000.
Race, Hugh A.: *See*—
Alford, Raymond N.; and Race, Hugh A., 3,783,747.
Race, Marlin L.: *See*—
Martiniak, Leonard J.; and Race, Marlin L., 3,793,942.
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Kohaut, John E., 3,841,673.
Raceway Products Corporation: *See*—
Pearson, Monry L.; and Walls, Lee C., 3,848,571.
Rachelle Laboratories Italia S.p.A.: *See*—
Luciano, Franco Paolo, 3,795,707.
Rachlin, Albert Israel: *See*—
O'Brien, Jay Philip; and Rachlin, Albert Israel, 3,804,905.
Rachlin, Israel: *See*—
Gurien, Harvey; Rachlin, Israel; and Teitel, Sidney, 3,832,397.
Rachlin, Joel R.; and Neudek, Rudolph Otto. Ventilating air distributing channel fastening and supporting bracket. 3,784,141, 1-8-74, Cl. 248-214.000.
Rachlin, Schneur: *See*—
von, Daehne, Welf; Frederiksen, Erling Knud; Godtfredsen, Wagn Ole; and Rachlin, Schneur, 3,850,908.
Rachor, Donald G.; and Perry, Richard A., to United States of America, Environmental Protection Agency. Removal of mercury from mercury catholde sludge. 3,814,685, 6-4-74, Cl. 210-59.000.
Rachwal, Stanley. Die changing apparatus. 3,841,141, 10-15-74, Cl. 72-446.000.
Racine Duo-Guard, Inc.: *See*—
Angermann, Manfred E., 3,844,003.
Racine Federated, Inc.: *See*—
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Racine Railroad Products, Inc.: *See*—
Mellrath, William P.; and Holstein, Frederick W., 3,823,455.
Rack, David. Process for the manufacture of a plant substrate body, 3,799,755, 3-26-74, Cl. 71-24.000.
Rack, David. Shape-retaining substrate for a plant and method of making the same. 3,834,072, 9-10-74, Cl. 47-37.000.
Rack Engineering Company: *See*—
Colbridge, Thomas D., 3,794,183.
Rackman, Michael I.; and Devol, George C., said Rackman assor. to said Devol, George C. and Martin, Paul S. Palletizing apparatus. 3,850,313, 11-26-74, Cl. 214-1.0bb.
Rackus, John Joseph; Skilbeck, John Paul; and Szkudlapski, Alfons Henryk, to Western Electric Company, Incorporated. Nonuniformly treating articles and supporting them therefor. 3,814,117, 6-4-74, Cl. 134-158.000.
Racobs, Charles R. Door securing apparatus. 3,826,117, 7-30-74, Cl. 70-416.000.
Racunas, Bernard J.; and Minick, John R., to Aluminum Company of America. Structure and method for separating insoluble particles from a molten bath. 3,801,003, 4-2-74, Cl. 233-3.000.
Racunas, Bernard J.; and Jarrett, Noel, to Aluminum Company of America. Aluminum recovery from scrap materials. 3,846,123, 11-5-74, Cl. 75-68.00r.
Racz, George: *See*—
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Rad-O-Lite of Philadelphia, Inc.: *See*—
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Radaelli, Dario: *See*—
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Radcliffe, Arthur J., Jr., to Burroughs Corporation. Signature verification by zero-crossing characterization. 3,818,443, 6-18-74, Cl. 340-146.3sy.

Radcliffe, Remington; and Rogers, Meyric K., to Schick Incorporated. Dispensing device for heated fluent products. 3,843,022, 10-22i74, Cl. 222-146.0ha.
Radcliffe, Stanley L.; and Dornan, Arthur E., to Massey-Ferguson Inc. Vehicle braking system. 3,819,016, 6-25-74, Cl. 188-82.600.
Radd, Frederick J.; Oertle, Donald H.; and Wolee, Louis H., to Continental Oil Company. Rotating hub assembly for a mining cutter bit. 3,801,158, 4-2-74, Cl. 299-86.000.
Raddatz, Gene R.: *See*—
Kemmerer, Wayne J.; Dicola, Vincent C.; and Raddatz, Gene R., 3,801,951.
Radden, Charles O.: *See*—
Fitzsimons, Ogden; Radden, Charles O.; and Hindman, George J., 3,791,965.
Raddi, William J.; and Johnson, Robert William, to ESB Incorporated. Apparatus for sensing physiological potentials. 3,826,246, 7-30-74, Cl. 128-2.06e.
Radek, John R., to Ready Metal Manufacturing Company. Combination service truck and dispensing equipment. 3,807,788, 4-30-74, Cl. 296-1.00r.
Rademacher, Friedrich; Quest, Karl; Knabe, Uwe; Unger, Dieter; Jordan, Heinz; Heckmann, Werner; and Plock, Karl, to Holstein & Kappert, Maschinenfabrik Phonix GmbH. Apparatus for filling beer cans or the like. 3,807,463, 4-30-74, Cl. 141-62.000.
Rademacher, Friedrich, to Holstein & Kappert Maschinenfabrik Phonix GmbH. Mechanism for moving centering members for containers in container filling machines. 3,826,294, 7-30-74, Cl. 141-258.000.
Rademacher, Friedrich, to Holstein & Kappert Maschinenfabrik Phonix GmbH. Movably displaceable return gas pipe in a counter pressure filling machine. 3,834,428, 9-10-74, Cl. 141-39.000.
Rademachers, Jakob: *See*—
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Rademaker, Johannes B. H. J., to B.V. Rawi Fabrieken v/h C. Rademaker & Zoon. Undermattress. 3,838,469, 10-1-74, Cl. 5-191.000.
Raden, Daniel S., to Abbott Laboratories. Urethane catalyst. 3,816,339, 6-11-74, Cl. 252-426.000.
Rader, Charles A.: *See*—
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Campbell, Robert Henry; Rader, Charles Phillip; and Wright, Robert Lee, 3,819,399.
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Breitholtz, Claes; and Lingberg, Gunnar, 3,799,339.
Rader, Robert R., to Wirtz Manufacturing Company, Inc. Battery grid casting and trimming machine. 3,803,676, 4-16-74, Cl. 29-2.000.
Radex Corporation: *See*—
Stiebel, Ariel, 3,834,029.
Radford, Colin M., to Filtaflo (Proprietary) Limited. Filter elements. 3,836,002, 9-17-74, Cl. 210-232.000.
Radford, David L., to Vital Assists, Inc. Membrane support system. 3,823,827, 7-16-74, Cl. 210-238.000.
Radford, David L., to Vital Assists Inc. Blood port assembly and method. 3,825,492, 7-23-74, Cl. 210-22.000.
Radford, Kenneth C.; and Bratton, Raymond J., to Westinghouse Electric Corporation. Solid electrolyte cell. 3,843,400, 10-22-74, Cl. 117-227.000.
Radiant Energy Systems, Inc.: *See*—
Longamore, Robert Gail, 3,790,155.
Radiant Energy Systems, Inc., mesne: *See*—
Moore, Arthur H., 3,790,051.
Radiation Development Co., Ltd.: *See*—
Free, David, 3,801,432.
Radiation Dynamics, Inc.: *See*—
Thompson, Chester C.; Olsen, Severt E.; and Loby, Raymond J., 3,848,174.
Thompson, Chester C., Jr., 3,793,550.
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Radic, Rudolf: *See*—
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Radice, John G.: *See*—
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Radici, Pierino: *See*—
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Radigan, Michael T., to Caterpillar Tractor Company. Ripper tip with shin guard confined retaining pin. 3,792,735, 2-19-74, Cl. 172-753.000.
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Radin, Bernard G., to Ford Motor Company. Overtemperature protection system for exhaust gas conversion device. 3,812,401, 5-21-74, Cl. 317-40.00r.
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Radke, Arthur O.; and Eimen, Shawn H., to Universal Oil Products Company. Convertible seat, support platform and storage compartment for motor vehicle. 3,822,911, 7-9-74, Cl. 296-66.000.
Radke, Arthur O., to Universal Oil Products Company. Stowable seat belt anchor assembly for convertible vehicle seat. 3,840,247, 10-8-74, Cl. 280-150.0sb.
Radke, Donald G.; and Stephenson, Robert L., to Allied Chemical Corporation. Inflation apparatus for safety device. 3,819,203, 6-25-74, Cl. 280-150.0ab.
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Radlmann, Eduard; and Nischk, Gunther, to Bayer Aktiengesellschaft. Sulfonato-benzyl-malonic acid esters. 3,821,281, 6-28-74, Cl. 260-470.000.
Radlmann, Eduard; and Nischk, Gunther, to Bayer Aktiengesellschaft. Sulfobenzylmalonic acid modified terephthalic acid polyesters. 3,836,508, 9-17-74, Cl. 260-75.00s.
Radlmann, Eduard; and Nischk, Gunther, to Bayer Aktiengesellschaft. Acrylonitrile -(Co) -polymers with reduced surface resistance. 3,852,254, 12-3-74, Cl. 260-85.50r.
Radlmann, Edward; and Nischk, Gunther, to Bayer Aktiengesellschaft. Acrylonitrile (co) polymers containing antistatic agents. 3,847,884, 11-12-74, Cl. 260-85.50r.
Radloff, Harry John; and Waybright, George Cleveland, to GTE Sylvania Incorporated. Low frequency filtered power supply. 3,816,793, 6-11-74, Cl. 315-29.000.
Radloff, Harry John, to GTE Sylvania Incorporated. Voltage regulator with saturation protection. 3,836,840, 9-17-74, Cl. 323-22.00t.
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Radlove, Sol B.; Ravve, Abraham; and Brown, Kenneth H., to Continental Can Company, Inc. Ultraviolet polymerizable printing ink comprising vehicle prepared from beta-hydroxy esters and polyitaconates. 3,856,744, 12-24-74, Cl. 260-40.00r.
Radlowe, Sol B.; Ravve, Abraham; and Brown, Kenneth H., to Continental Can Company, Inc. Photopolymerizable compositions prepared from beta hydroxy esters and polyitaconates. 3,847,770, 11-12-74, Cl. 204-159.230.
Rado, Andrei Gheorghe E., to Institutul Pentru Creatie Stiintifica Si Technica. Two-section rubber for a vehicle with hydrodynamic or aerodynamic propulsion. 3,799,446, 3-26-74, Cl. 239-265.190.
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Radu, Stan G., to Directia de Telecomunicatii a Municipiu Bucyresti. Telephone system monitoring and recorded apparatus using ordinary paper. 3,794,783, 2-26-74, Cl. 179-175.20c.
Raduly, Lajos, to Grupul Industrial de Chimie. Process for separation of vinyl chloride from inert gases. 3,796,023, 3-12-74, Cl. 55-59.000.
Raduly, Lajos; Urmosi, Ioan; Toderbuun, Nitu; and Chiroui, Nicolae, to Grupul Industrial de Chimie. Process for gas demercuration. 3,803,803, 4-16-74, Cl. 55-72.000.
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Rae, Albert Thomas. Fishing lure. 3,820,269, 6-28-74, Cl. 43-42.050.
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Raetzsch, Carl W.; Darlington, William B.; and Cunningham, Hugh, to PPG Industries, Inc. Electrolytic cell including means for preventing atomic hydrogen attack of the titanium backplate member. 3,849,280, 11-19-74, Cl. 204-256.000.
Raetzsch, Carl W.; and Cunningham, Hugh, to PPG Industries, Inc. Apparatus for producing uniform anolyte heads in the individual cells of a bipolar electrolyzer. 3,856,651, 12-24-74, Cl. 204-255.000.
Raetzsch, Carl W., Jr.; and Cunningham, Hugh, to PPG Industries, Inc. Bipolar diaphragm electrolytic cell having internal anolyte level equalizing means. 3,852,179, 12-3-74, Cl. 204-256.000.
Raevsky, Georgy Vladimirovich. Pipeline for use under conditions of considerable variations in temperature. 3,847,185, 11-12-74, Cl. 138-122.000.
Rafaat, Riaz, to Singer Company, The. Automatic take-up or spooling device for paper tape or audit trail. 3,827,648, 8-6-74, Cl. 242-74.000.
Rafael, Werner, to Gewerkschaft Eisenhutte Westfalia. Frame assemblies for use with scraper-chain conveyors. 3,835,981, 9-17-74, Cl. 198-204.000.
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Raffelson, Harold; and Suda, Michael, to Monsanto Company. Modified P-V-Fe catalyst for production of maleic anhydride from saturated aliphatic hydrocarbons. 3,856,824, 12-24-74, Cl. 260-346.80a.
Raffenberg, Bruno, to Hoesch Maschinenfabrik Deutschland AG. Device for rerailing rail vehicles. 3,828,689, 8-13-74, Cl. 104-273.000.
Raffenberg, Hermann-Josef, to BASF Wyandotte Corporation. Method for continuously producing tubular bodies of foamed material. 3,824,300, 7-16-74, Cl. 264-47.000.
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Ragan, Brad, Inc.: *See*—
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Ragan, Robert O. Sectional canoe. 3,816,865, 6-18-74, Cl. 9-2.00s.
Ragard, Phillip A.; and Paton, Jim, to Universal Instruments Corporation. Film mounted electronic component insertion machine. 3,783,488, 1-8-74, Cl. 29-203.00b.
Ragard, Phillip A., to Universal Instruments Corporation. Multiple component insertion apparatus. 3,796,363, 3-12-74, Cl. 227-2.000.
Ragard, Phillip A., to Universal Instruments Corporation. Automatic component process system. 3,808,662, 5-7-74, Cl. 29-203.00b.

Ragard, Phillip A., to Universal Instruments Corporation. Semi automatic electronic component assembler. 3,852,865, 12-10-74, Cl. 29-203.00b.
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Ragg, Pudens Leonard, to Imperial Chemical Industries Limited. Metallated polymers. 3,824,221, 7-16-74, Cl. 260-80.0ps.
Ragland, Douglas, to Ragland Manufacturing and Construction Company. Adjustable door frame assembly. 3,812,621, 5-28-74, Cl. 49-505.000.
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Ragot, Raymond, to Speichim. Process for the smokeless burning of residues, and apparatus therefor. 3,828,700, 8-13-74, Cl. 110-7.00s.
Rugsdale, Robert Gordon, to Milgo Electronic Corporation. Frequency modulation communication system and digital carrier generator and demodulator for use therein. 3,801,912, 4-2-74, Cl. 325-30.000.
Raguse, Roger C., to Scholl, Inc. Adhesive tape. 3,853,598, 12-10-74, Cl. 117-76.00a.
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Rahman, Abdul R., to United States of America, Army. Method for making a compressed, freeze-vacuum-dehydrated blueberry product of increased density. 3,806,610, 4-23-74, Cl. 426-262.000.
Rahme, Selim R., to A-Ok Machine and Tool Company. Headlamp aiming device having a protective housing. 3,788,747, 1-29-74, Cl. 356-121.000.
Rahmes, Donald Wilber, to Georgia-Pacific Corporation. Method of making absorbent pads. 3,794,537, 2-26-74, Cl. 156-62.800.
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Rahn Paul, to Meyer, Roth & Pastor Maschinenfabrik GmbH. Apparatus for forming chain-links. 3,811,268, 5-21-74, Cl. 59-27.000.
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Raidel, John E. Vehicle air spring suspension assembly. 3,801,086, 4-2-74, Cl. 267-17.000.
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Raimbault, Pierre Lucien, to L.C.C.-C.I.C.E. Compagnie Europeenne de Composants. Liquid crystal display devices and methods of manufacturing such devices. 3,834,791, 9-10-74, Cl. 350-160.01c.
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Rainer, Norman B.; and Full, Donald A., to Morris, Philip, Incorporated. Microporous vinyl chloride polymers and method of making the same. 3,784,490, 1-8-74, Cl. 260-2.50m.
Rainer, Norman B. Stable vinyl chloride polymer structures and method of producing them. 3,809,669, 5-7-74, Cl. 260-2.50r.
Rainer, Robert R. Rechargeable battery powered light. 3,787,678, 1-22-74, Cl. 240-10.6ch.
Rainer, Rudolf, to Gebr. Bohler & Co. AG. Ignition apparatus for a plasma burner. 3,845,344, 10-29-74, Cl. 313-231.000.
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Raines, Herman R. Surgical mask with adhesive vapor barrier. 3,834,384, 9-10-74, Cl. 128-146.200.
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Raisin, Jean-Pierre; and Bernardot, Andre, to Centre Technique Industriel dit: Institut Textile de France. Machine for automatic assembly of knitted articles. 3,834,331, 9-10-74, Cl. 112-27.000.
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Rait, Joseph M.; Gilmour, Alexander Scott, Jr.; and Sellers, Edward C., to Pelorex Corporation. Method and apparatus utilizing magnetic storage for transferring graphical information. 3,804,511, 4-16-74, Cl. 355-17.000.

Raiteri, Angelo, to Inductosyn Corporation, mesne. Measuring apparatus. 3,802,087, 4-9-74, Cl. 33-178.00e.
Raith, Richard L., to Hauserman, Inc. Elevated flooring system and panel therefor. 3,852,928, 12-10-74, Cl. 52-263.000.
Raitt, Edward D. Loading process for ice cream carrier strip. 3,809,774, 5-7-74, Cl. 426-393.000.
Raitt, Edward D. Hard ice cream dispensing machine. 3,817,422, 6-18-74, Cl. 221-74.000.
Raitt, Edward D. Machine for dispensing ice cream from a package. 3,838,791, 10-1-74, Cl. 221-225.000.
Raitt, John Stewart: *See*—
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Raj, Joachim: *See*—
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Rajakovics, Gundolf, to Gebr. Bohler & Co. AG. Pressure vessel. 3,822,186, 7-2-74, Cl. 176-87.000.
Rajan, Jai R. N.: *See*—
Anderson, Hugh G.; Rajan, Jai R. N.; and Morse, Wade H., 3,826,544.
Rajappa, Srinivasachari, to Ciba-Geigy Corporation. Process for the production of isothiazoly compounds. 3,838,161, 9-24-74, Cl. 260-302.00a.
Rajchman, Jan Aleksander, to RCA Corporation. Holographic memory including corner reflectors. 3,833,893, 9-3-74, Cl. 340-173.01m.
Rajnoch, Miroslav: *See*—
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Rajnoha, Jaroslav: *See*—
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Nemec, Jiri; Bures, Ladislav; and Rajnoha, Jaroslav, 3,815,347.
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Rajnoha, Jaroslav; Bures, Ladislav; and Olczal, Josef, to Elitex, Zavody textilniho strojirenstvi generalni reditelstvi. Device for ringless spinning of fibers. 3,793,820, 2-26-74, Cl. 57-58.890.
Rajnoha, Jaroslav; Bures, Ladislav; and Burget, Bohumir, to Elitex, Zavody textilniho Strojirenstvi. Self-cleaning spinning arrangement for use with textile machines. 3,798,886, 3-26-74, Cl. 57-56.000.
Rak, Stanley F., to Culligan International Company. Reverse osmosis membrane module. 3,827,564, 8-6-74, Cl. 210-321.000.
Rakaska, Bertha R., 20% to Lee, Raymond, Organization, Inc., The. Tissue paper roll container and dispenser. 3,809,448, 5-7-74, Cl. 312-39.000.
Rakcevic, Savo, to Titovi Zavodi Litostroj. System for monitoring break-away devices of turbine vanes. 3,806,734, 4-23-74, Cl. 307-118.000.
Rakcevic, Savo, to Titovi Zavodi Litostroj. Starting arrangement for reversible pump-turbines. 3,810,717, 5-14-74, Cl. 417-323.000.
Rakcevic, Savo, to Titovi Zavodi Litostroj. Safety device for preventing the excessive speed of water turbines. 3,820,917, 6-28-74, Cl. 416-157.000.
Rakes, James L.; and Cooper, Wayne E., to Phillips Petroleum Company. Thermoformed snap closures. 3,786,982, 1-22-74, Cl. 229-2.500.
Rakestraw, Robert H. Method and apparatus for orienting and harvesting tobacco leaves. 3,841,068, 10-15-74, Cl. 56-1.000.
Rakhit, Sumanas, to Ayerst, McKenna and Harrison Limited. Derivatives of 3-chloro-1,2-propanediol having antifertility activity. 3,840,560, 10-8-74, Cl. 260-340.900.
Rakich, Antone F.: *See*—
Laigle, Roger E.; Rakich, Antone F.; and Sivakoff, William J., 3,834,207.
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Rakoczi, Jozsef; Beck, Ivan; Komlos, Endre; deceased (by Komlos, Anna, nee Kiss; heir); Petocz, Lujza; and Grasser, Katalin. Pharmaceutically active new guanidino-alkylcyclo-imines. 3,856,778, 12-24-74, Cl. 260-239.00b.
Rakoczy, Bohdan, to Du Pont de Nemours, E. I., and Company. Gelatino-silver halide emulsions containing modified gelatin graft copolymers. 3,837,861, 9-24-74, Cl. 96-114.000.
Rakovsky, Vladimir Mikhailovich: *See*—
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Rakow, Richard. Light reflective safety wearing apparel. 3,849,804, 11-26-74, Cl. 2-98.000.
Rakowsky, Edward L.: *See*—
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Rakuccwicz, John J., to Kinematics and Controls Corporation. Article delivery systems for vending machines having sequentially actuated dispensers. 3,837,528, 9-24-74, Cl. 221-114.000.
Rakuson, George: *See*—
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Ralbowsky, Isivan. Illuminated pictorial display mechanism. 3,786,582, 1-22-74, Cl. 40-31.000.
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Raleigh, Walter J., to Graco Inc. Air motor noise suppressor. 3,789,954, 2-5-74, Cl. 181-33.00k.
Raleigh, William J., to General Electric Company. Organopolysiloxane copolymer useful as surfactant. 3,790,612, 2-5-74, Cl. 260-448.20b.
Raley, Garland E.: *See*—
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Raley, Garland E., to Ethyl Corporation. Extruded plastic film method and apparatus for the manufacture thereof. 3,837,773, 9-24-74, Cl. 425-131.000.
Raley, Nathan O. Cleaning fluid. 3,808,144, 4-30-74, Cl. 252-105.000.
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Rallis, Theodore. Toothbrush adapter for aerosol container. 3,825,354, 7-23-74, Cl. 401-119.000.
Ralph Harold J. Diaper garment with interleaved liner having non-wicking protective panels. 3,825,006, 7-23-74, Cl. 128-287.000.
Ralph, John Ernest, to U.S. Philips Corporation. Channel plate display device having positive optical feedback. 3,825,922, 7-23-74, Cl. 340-324.00m.
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Walters, Roger E.; and Reinke, William C., 3,850,090.
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Ram, Michael J.: *See*—
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Ram, Michael J.; and Riggs, John P., to Celanese Corporation. Carbon filaments capable of substantial crack diversion during fracture. 3,841,079, 10-15-74, Cl. 57-140.00r.
Ram, Michael J.; and Riggs, John P., to Celanese Corporation. Acrylic filaments which are particularly suited for thermal conversion to carbon filaments. 3,846,833, 11-5-74, Cl. 260-88.70r.
Ram, Michael J., to Celanese Corporation. Process for forming hollow polybenzimidazole filaments for reverse osmosis applications. 3,851,025, 11-26-74, Cl. 264-41.000.
Ram Partitions Limited: *See*—

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Ramacciotti, Aldo, to Centro Sperimentale Metallurgico S.p.A. Process for manufacturing steel. 3,793,001, 2-19-74, Cl. 75-60.000.
Ramacciotti, Aldo, to Centro Sperimentale Metallurgico S.p.A. Process for the reduction, in liquid phase, of iron ore in a rotary kiln. 3,833,355, 9-3-74, Cl. 75-40.000.
Ramacciotti, Aldo; and Eminian, Giancarlo, to Centro Sperimentale Metallurgico S.p.A. Process for refining metals, in particular liquid pig iron, in oxygen converters with continuous control of the operative procedure. 3,847,593, 11-12-74, Cl. 75-60.000.
Ramachandran, Rajendran: *See*—
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Ramachandran, Sundaresan; and Igwe, Basil U. N., to Allegheny Ludlum Industries, Inc. Method for injecting a gaseous reacting agent into a bath of molten metal. 3,791,813, 2-12-74, Cl. 75-59.000.
Ramachandran, Sundaresan; and Fulton, James C., to Allegheny Ludlum Industries, Inc. Vacuum decarburization in RH and DH type degassing systems. 3,798,025, 3-19-74, Cl. 75-49.000.
Ramachandran, Sundaresan; Fulton, James C.; and Bishop, Harry L., Jr., to Allegheny Ludlum Industries, Inc. Method for producing alloy steel. 3,816,100, 6-11-74, Cl. 75-12.000.
Ramachandran, Sundaresan, to Allegheny Ludlum Industries, Inc. Deoxidizing nickel base and cobalt base alloys. 3,816,104, 6-11-74, Cl. 75-82.000.
Ramanadin, Salindres, to Societe Rhone-Progil. Fluorination catalyst and process. 3,804,778, 4-16-74, Cl. 252-441.000.
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Desai, Nalin Binduprasad; Jayaraman, Ponnusami; Ramanathan, Visvanathan; Artz, Klaus; Naik, Navnitrai Nagarji; and Jenny, Walter, 3,853,841.
Ramanathan, Visvanathan. Water-insoluble styryl dyestuffs containing a puridyl-lower alkyl group. 3,804,831, 4-16-74, Cl. 260-240.00r.
Ramanathan, Visvanathan; and Liechti, Hans Wilhelm, to Ciba-Geigy AG. Basic monazo compounds containing a quaternated hydrazide group. 3,843,622, 10-22-74, Cl. 260-149.000.
Ramaswamy, Vellayan; and Standley, Robert Dean, to Bell Telephone Laboratories, Incorporated. Switch for thin-film optics. 3,801,185, 4-2-74, Cl. 350-160.00r.
Ramaswamy, Vellayan, to Bell Telephone Laboratories, Incorporated. Method of making epitaxial film optical devices. 3,811,912, 5-21-74, Cl. 117-33.300.
Ramazzotti, Dario J.: *See*—
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Rambacher, Paul; and Make, Siegfried, to Diamalt Aktiengesellschaft. Resolution of DL-cysteine. 3,808,268, 4-30-74, Cl. 260-534.00s.
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Rambaud, Michel, to Societe Industrielle des Oleagineux. Method of preparing soybean products free of antitrypsin. 3,845,229, 10-29-74, Cl. 426-375.000.
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Rambauske, Werner R., to Raytheon Company. Catoptric lens arrangement. 3,802,767, 4-9-74, Cl. 350-294.000.
Rambauske, Werner R., to Raytheon Company. Catoptric lens arrangement. 3,805,051, 4-16-74, Cl. 240-41.35a.
Rambauske, Werner R., to Raytheon Company. Beam forming mirror apparatus. 3,805,052, 4-16-74, Cl. 240-41.35c.
Rambauske, Werner R., to Raytheon Company. Catoptric lens arrangement. 3,827,059, 7-30-74, Cl. 350-294.000.
Rambauske, Werner R.; and Grabowski, John J., to Raytheon Company. Laminated mirror. 3,841,737, 10-15-74, Cl. 350-288.000.
Ramberg, Edward G., to RCA Corporation. Optical system for orthogonalizing image field of projection lens. 3,790,267, 2-5-74, Cl. 353-70.000.
Rambold, Frederick, KG: *See*—
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Ramer, Leonard. Refuse container. 3,823,972, 7-16-74, Cl. 294-73.000.
Ramer, Leonard. Refuse container for rear end loader. 3,823,973, 7-16-74, Cl. 294-73.000.
Rameson, William W., to TRW Inc. Differential gaging instrument. 3,845,566, 11-5-74, Cl. 33-174.00l.
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Ramey, Bobbie Joe; and Moss, Philip Hotchkiss, to Jefferson Chemical Company, Inc. Thixotropic B-component for polyurethane elastomers. 3,832,323, 8-27-74, Cl. 260-37.00n.
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Ramey, Robert M., to Teledyne, Inc. Convertible gas heating apparatus. 3,797,477, 3-19-74, Cl. 126-307.000.
Ramey, Robert M., to Teledyne, Inc. Gas fired patio heater with a manual igniter. 3,813,207, 5-28-74, Cl. 431-255.000.
Ramey, Robert M., to Teledyne, Inc. Submersible pool heater. 3,824,986, 7-23-74, Cl. 126-360.000.
Ramge, Dennis Lee, to Johns-Manville Corporation. Solute dissolving apparatus having solution chamber with solution circulation means. 3,817,709, 6-18-74, Cl. 23-267.00e.
Ramge, Ronald T. Alignment and installation tool for threaded male members. 3,783,717, 1-8-74, Cl. 81-119.000.
Ramillon, Rene. Ski binding heel hold-down device. 3,807,748, 4-30-74, Cl. 280-11.35t.
Ramillon, Rene. Safety toe-end device for ski binding. 3,831,957, 8-27-74, Cl. 280-11.35t.
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Rammner, Rudolf. Apparatus for transmitting data from a hole drilled in the earth. 3,831,138, 8-20-74, Cl. 340-18.01d.
Ramond, Pierre A., to Regie Nationale des Usines Renault. Method of re-sharpening pinion tools. 3,842,546, 10-22-74, Cl. 51-288.000.
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Rampe, John F.; and Ward, William E., to Rampe Research. Vibratory finishing machine with screening and loading mechanism. 3,800,478, 4-2-74, Cl. 51-163.000.
Rampe, John F., to Rampe Research. Continuous feed vibratory finishing machine with discharge rate controlled by operation of tube discharge closure. 3,831,322, 8-27-74, Cl. 51-163.000.
Rampe, John W.; and Rampe, W. Charles, to Rampe Research. Method and means for connecting an apertured part to a shaft. 3,830,577, 8-20-74, Cl. 403-378.000.
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Ramsay, Ian, to Stadium Limited. Safety helmet visors. 3,781,914, 1-1-74, Cl. 2-10.000.
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Ramsay, Joseph D.; and Weaver, George R., to Campbell Soup Company. Weighing apparatus and method. 3,800,893, 4-2-74, Cl. 177-25.000.
Ramsay, Melvin Murray; Barnes, William Geddes; and Bedgood, Michael Albert, to International Standard Electric Corporation. Low light television camera. 3,813,489, 5-28-74, Cl. 178-7.200.
Ramsay, Melvin Murray; and McLennan, Anthony Ian, to International Standard Electric Corporation. Pulsed oscillator for low light level television system. 3,833,763, 9-3-74, Cl. 178-7.200.
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Ramsdale, Roy, to Clark, Alex L., Limited. Reel for photographic sheet material. 3,813,684, 5-28-74, Cl. 354-341.000.
Ramsden, Hugh E., to Rhodia, Inc. Process for the preparation of nonconjugated dienix grignard reagents and their utilization ingorganic syntheses. 3,819,733, 6-25-74, Cl. 260-665.00g.
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Ramsden, Paul S., Jr., to Sanders Associates, Inc. Surveillance system. 3,825,676, 7-23-74, Cl. 178-6.800.
Ramsey, Arthur Albert: *See*—
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Ramsey, Charles W., to General Motors Corporation. Fiber optic display panel illuminator. 3,800,135, 3-26-74, Cl. 240-8.160.
Ramsey Corporation: *See*—
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Ramsey, James E., Jr.; and Griffin, Auburn K., Jr., to Westinghouse Electric Corporation. Detachable potential indicator circuit assembly for induction watthour meters. 3,815,027, 6-4-74, Cl. 324-137.000.
Ramsey, James W.; Schmidt, Roger N.; and Petersen, Carl B., to United States of America, Air Force. Solar heat source and receiver system. 3,799,144, 3-26-74, Cl. 126-270.000.
Ramsey, Joe B., to Acme General Corporation. Two way door latch. 3,792,886, 2-19-74, Cl. 292-169.210.
Ramsey, Joe B., to Acme General Corporation. Latch bolt assembly. 3,792,887, 2-19-74, Cl. 292-169.210.
Ramsey, Joe B., to Acme General Corporation. Detent for locking knob of a privacy lock. 3,826,527, 7-30-74, Cl. 292-359.000.
Ramsey, John C. Motorized die holder. 3,807,916, 4-30-74, Cl. 425-113.000.
Ramsey, John C. Balanced Flow extrusion head. 3,833,325, 9-3-74, Cl. 425-113.000.
Ramsey, Keith E., to Knickerbocker Company, The. Load-lifting mechanism for a lift truck. 3,786,902, 1-22-74, Cl. 187-9.000.
Ramsey, Ralph. Convertible snow plow with slidable closing wings. 3,803,733, 4-16-74, Cl. 37-44.000.
Ramsey, Raymond Bolton: *See*—
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Ramstrom, Sven, to Karlskronavarvet AB. Directional coupler for measuring forward and reflected power comprising a bored metal block. 3,784,911, 1-8-74, Cl. 324-95.000.
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Rand, Robert B. Belt having interchangeable decorative strips. 3,848,270, 11-19-74, Cl. 2-311.000.
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Randall, David I.; and Vogel, Calvin, to GAF Corporation. Preparation of 2-haloethylphosphonic acid. 3,808,265, 4-30-74, Cl. 260-502.40r.

Randall, David I.; and Wynn, Robert W., to GAF Corporation. 2-Chloroethyl phosphonondithioate esters. 3,838,180, 9-24-74, Cl. 260-961.000.

Randall, David Irwin, to GAF Corporation. Alpha, omega-pyrrolidonyl polyacrolein. 3,843,684, 10-22-74, Cl. 260-326.250.

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Randall, Leslie L., to Monsanto Company. Assemblies and method for making cable beads. 3,805,852, 4-23-74, Cl. 140-71.00r.

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Rapone, Nando. Rotary pump with oscillating vanes. 3,838,954, 10-1-74, Cl. 418-188.000.

Rapoport, Henry, to University of California, The Regents of the. Certain 6-carboxy-4-thia-1-azabicyclo[3.2.0] heptane compounds. 3,799,939, 3-26-74, Cl. 260-306.700.

Rapoza, Edward J.: *See*—
Genese, Joseph N.; Rapoza, Edward J.; Galanaugh, Charles F.; Kennard, Harry M.; Chevalez, Roger A.; and Smith, John A., 3,785,533.

Rapoza, Edward J.; Siegel, Maxwell E.; Estelle, Weems E.; Petrucci, Pasquale M.; Linarducci, Joseph S.; Hamma, John; and Montgomery, John, to Beeton, Dickinson and Company. Blood test system. 3,794,469, 2-26-74, Cl. 23-292.000.

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Rapoza, Edward J.; Siegel, Maxwell E.; Estelle, Weems E.; Petrucci, Pasquale M.; Linarducci, Joseph S.; Hamma, John; and Montgomery, John, to Beeton Dickinson and Company. Molded plastic cap. 3,815,769, 6-11-74, Cl. 215-228.000.

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Rapp, A. Karl, to Inselek Inc., mesne. Circuit for shifting and amplifying input voltages. 3,823,330, 7-9-74, Cl. 307-214.000.

Rapp, Fred E.; and Bault, William V. Fire damper blades and special frame. 3,782,444, 1-1-74, Cl. 160-235.000.

Rapp, Guenther: *See*—
Becker, Lothar; Kahr, Kurt; Rapp, Guenther; and Mannheim, Otto Waschka, 3,855,080.

Rapp, Harold: *See*—
Towne, Herbert; and Rapp, Harold, 3,783,274.

Rapp, Harold, to Miles Laboratories, Inc. Egg extender composition and process therefor. 3,804,951, 4-16-74, Cl. 426-167.000.

Rapp, James E., to Owens-Illinois, Inc. Glasses of the Na_2O-K_2O-Nb_2O_5-SiO_2 system and glass ceramics made therefrom. 3,785,833, 1-15-74, Cl. 106-39.600.

Rapp, James Erich, to Owens-Illinois, Inc. Glasses, glass-ceramics and process for making same. 3,785,834, 1-15-74, Cl. 106-39.600.

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Rapp, Willard Emanuel, to Western Electric Company, Incorporated. Tube radius measuring method and device. 3,811,193, 5-21-74, Cl. 33-178.00r.

Rapp, Willard Emanuel, to Western Electric Company, Incorporated. Compound gauge devices for measuring the axial curvature of a tube. 3,821,856, 7-2-74, Cl. 33-178.00c.

Rappaneau, Wilfred L.: *See*—
Jasovsky, George A.; Rappaneau, Wilfred L.; DeCeglie, Gaetano J.; and Naeci, Anthony T., 3,821,447.

Rappaport, Bernard B. Dental shield. 3,857,181, 12-31-74, Cl. 32-36.000.

Rappaport, Richard A., to Sybron Corporation. Digital system including a pulse counter for selectively interconnecting a source of energy and a plurality of energizeable elements. 3,825,841, 7-23-74, Cl. 328-70.000.

Rapparlie, Hans: *See*—
Hoehl, Bernhard; and Rapparlie, Hans, 3,815,897.

Rappen, Ludwig; Eickert, Werner; Orth, Winfried; Maurer, Manfred; and Miele, Heinrich, to Rutgerswerke Aktiengesellschaft. Process for preparing 2,3,6-trimethylhydroquinone. 3,795,708, 3-5-74, Cl. 260-621.00h.

Rappleyea, Frederick A., to Cougar, Inc. Football helmet having sectional liner of energy absorbing material. 3,820,163, 6-28-74, Cl. 2-3.00r.

Rappold, Hermann, & Co., GmbH: *See*—
Uerlichs, Johannes; Muller, Rudolf; and Kuckertz, Willi, 3,830,251.
Uerlichs, Johannes; Muller, Rudolf; and Kuckertz, Wilhelm, 3,848,665.

Rappoport, Morris: *See*—
Leake, Donald L.; Rappoport, Morris; and Rappoport, Morris, 3,849,805.

Rappoport, Seymour; and Rakocy, William J., to Ronson Corporation. Multi-purpose rotisserie-broiler combination. 3,789,748, 2-5-74, Cl. 99-340.000.

Rappoport, Susan: *See*—
Leake, Donald L.; Rappoport, Morris; and Rappoport, Morris, 3,849,805.

Rapport, Henry, to University of California, The Regents of the. Certain 5,6-dioxopyrrole [2,1-b] thiazoles. 3,809,700, 5-7-74, Cl. 260-306.700.

Rapson, William H., to Erco Industries Limited. Production of chlorine dioxide. 3,793,439, 2-19-74, Cl. 423-478.000.

Rapson, William Howard, to ERCO Industries, Limited. Production of chlorine dioxide. 3,789,108, 1-29-74, Cl. 423-478.000.

Rapson, William J.: *See*—
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Rapson, William J., Jr.: *See*—
Delatorre, Leroy C.; Rapson, William J., Jr.; and Lemson, Paul H., 3,800,586.

Raptes Researches Applications and Trade Establishment: *See*—
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Raptis, George M. Roto-piston internal combustion engine. 3,854,460, 12-17-74, Cl. 123-44.00r.

Rapuano, Robert: *See*—
Shimasaki, Nobuhiko; and Rapuano, Robert, 3,789,142.

Rapun, Raul: *See*—
Rutner, Herman; Rapun, Raul; and Lewin, Nathan, 3,810,886.
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Rardon, E. Jeffrey: *See*—
Rardon, Edward H.; and Rardon, E. Jeffrey, 3,857,562.

Rardon, Edward H.; and Rardon, E. Jeffrey. Miniature bowling game apparatus. 3,857,562, 12-31-74, Cl. 273-38.000.

Rarey, Kenneth W.; and Kennedy, John B., Jr., to Continental Can Company, Inc. Electrostatic screen printing and cleaning. 3,824,924, 7-23-74, Cl. 101-114.000.

Raring, Linus M.: *See*—
Malone, Raymond F.; and Raring, Linus M., 3,844,778.

Rasanen, Kaarlo E. Powered jumping stick. 3,853,195, 12-10-74, Cl. 180-8.00r.

Rasberry, Phillip P.; and Whitaker, Donald R., to United States of America, Air Force. Mechanical rotary tilt stage. 3,826,558, 7-30-74, Cl. 350-90.000.

Rasch, Arthur A.; and Cowden, Herbert B., to Eastman Kodak Company. Photographic article with anti-static metal halide layer system of reducible optical density. 3,801,325, 4-2-74, Cl. 96-87.00a.

Rasch, Arthur A.; and Hodges, Wilbur C., to Eastman Kodak Company. Vacuum deposited radiation-sensitive elements. 3,822,134, 7-2-74, Cl. 96-94.00r.

Rasch, Milton A.: *See*—
Searcy, James A.; and Rasch, Milton A., 3,817,160.

Raschack, Manfred; and Bub, Oskar, to Knoll A.G. Chemische Fabriken. Method of treating cardiac arrhythmia with 2-(2'-diethylaminoethyl)-3-phenyl-phthalimidine and its salts. 3,849,570, 11-19-74, Cl. 424-274.000.

Rasche, Manfred: *See*—
Brinkmann, Jurgen; Rasche, Manfred; and Heissmann, Willi, 3,791,869.

Raschke, Heinz, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft. Continuous casting mold having a breakout sensing and control device. 3,834,445, 9-10-74, Cl. 164-150.000.

Raschke, Herbert A., to Bullard, E. D., Company. Face shield bracket mount for helmets. 3,797,041, 3-19-74, Cl. 2-8.000.

Raschle, Josef, to Heberlein & Co., AG. False twist process and apparatus. 3,791,122, 2-12-74, Cl. 57-77.450.

Raschle, Josef, to Heberlein & Co. AG. Friction false-twist device. 3,820,317, 6-28-74, Cl. 57-77.400.

Raschle, Josef, to Heberlein & Co. AG. Friction false-twist device. 3,828,541, 8-13-74, Cl. 57-106.000.

Raschle, Josef, to Heberlein & Co. AG. Device for false-twist texturing of textile yarns. 3,831,366, 8-27-74, Cl. 57-77.450.

Raser, William H. Opaque-vane analog to digital converter. 3,831,169, 8-20-74, Cl. 340-347.00p.

Rasheev, Gueorgui Nikolov: *See*—
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Rashid, Moinuddin S., to United States of America, Atomic Energy Commission. Method for coating graphite filaments with refractory metal carbides. 3,823,029, 7-9-74, Cl. 117-118.000.

Raskin, Seymour H., to Sands Measurement Corporation. Load cell. 3,837,222, 9-24-74, Cl. 73-141.00a.

Rasmussen, Allen: *See*—
McLean, Michael B.; Krishnaiyer, Ramesh; and Rasmussen, Allen, 3,792,469.

McLean, Michael B.; and Rasmussen, Allen, 3,803,599.

Rasmussen, Carl E.; and Tiura, George O., to Agmac Inc. Pepper station. 3,820,450, 6-28-74, Cl. 99-643.000.

Rasmussen, Carl M.: *See*—
Rasmussen, Reed; and Rasmussen, Carl M., 3,819,077.
Rasmussen, Reed; and Rasmussen, Carl M., 3,830,466.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. 3,4-Dihydro-2-(2-hydroxy)ethyl-1-(R-amino)-pyrazino (1,2-b)-1,2-benzothiazin-11(2H)-one 6,6-dioxides. 3,787,398, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. 3,4-Dihydro-1-methylpyrazino(1,2-b)-1,2-benzothiazin-11(2H)-one 6,6-dioxides. 3,787,399, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. 1,2,3,4 Tetra hydro-11-hydroxypyrazino (1,2-b)-1,2-benzothiazine-1,3-dione 6,6-dioxide. 3,787,400, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. Novel 1,2-benzothiazine dioxides. 3,787,401, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. Thio-derivatives of 1,2-benzothiazine dioxides. 3,787,402, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. Amino-derivatives of 1,2-benzothiazine dioxides. 3,787,403, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. Novel 1,2-benzothioazine dioxides and precursors therefor. 3,787,404, 1-22-74, Cl. 260-243.00r.

Rasmussen, Chris Royce, to McNeil Laboratories, Inc. 3,4-Dihydro-1-methyl-11H-1,4-oxazino(4,3-b)-1,2-benzothiazin-11-one 6,6-dioxide. 3,821,212, 6-28-74, Cl. 260-243.00r.

Rasmussen, Don J.: *See*—
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Rasmussen, Einar L.: *See*—
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Rasmussen, Gunnar Olaf Vestergaard. Convector for heating buildings. 3,844,340, 10-29-74, Cl. 165-55.000.

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Rasmussen, John P.: *See*—
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Rasmussen, Knud. Extensible scaffold. 3,842,563, 10-22-74, Cl. 52-645.000.

Rasmussen, Leo O.; and Martin, Gerald L. Automatic self-operating feeder. 3,807,434, 4-30-74, Cl. 137-268.000.

Rasmussen, Lester M. Cup holder for automobile. 3,814,367, 6-4-74, Cl. 248-311.000.

Rasmussen, Lyle E.: *See*—
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Rasmussen, M. Per Hjorth: *See*—
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Rasmussen, Ole-Bendt. Method of manufacturing a laminated fibro-filamentary or film structure which is partly delaminated. 3,788,922, 1-29-74, Cl. 156-244.000.

Rasmussen, Ole-Bendt. Yarnlike product with spaced polymer rings. 3,857,230, 12-31-74, Cl. 57-140.00j.

Rasmussen, Oystein: *See*—
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Rasmussen, Reed; and Rasmussen, Carl M. Camper loading and securing system. 3,819,077, 6-25-74, Cl. 214-516.000.

Rasmussen, Reed; and Rasmussen, Carl M. Camper support method. 3,830,466, 8-20-74, Cl. 254-1.000.

Rasmussen, Richard A.; and Jimenez, Mariano, Jr., 1/3 to Rasmussen, James M. Utility cart. 3,788,662, 1-29-74, Cl. 280-47.110.

Rasmussen, Svein B.: *See*—
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Rasmusson, Gary H.: *See*—
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Raso, Jean Baptiste; and Jammes, Emmanuel Marie-Augustin, to International Standard Electric Corporation. Miniaturized cross-point. 3,808,565, 4-30-74, Cl. 335-153.000.

Rason, Ned S.; DeSteese, John G.; and Gasper, Kenneth A., to McDonnell Douglas Corporation. Radioisotopic thermoinic. 3,843,896, 10-22-74, Cl. 310-4.000.

Rasor Associates, Inc., mesne: *See*—
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Rasor, Ned S.; and Spickler, Joseph William, to Rasor Associates, Inc., mesne. Intra-cardiac stimulator. 3,835,864, 9-17-74, Cl. 128-419.00p.

Rasovich, Ivan. Quick-freezing machine. 3,832,864, 9-3-74, Cl. 62-374.000.

Raspanti, Giuseppe: *See*—
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Rassaerts, Heinz, to Chemische Werke Huls Aktiengesellschaft. Method for the separation of methallyl sulfonate 3,829,472, 8-13-74, Cl. 260-513.00b.

Rassbach, Felix; Buttner, Rolf; and Schuck, Stephan, to Kalle Aktiengesellschaft. Process for improving the shape of a stick of longitudinally shirred artificial sausage casing. 3,798,301, 3-19-74, Cl. 264-294.000.

Rassbach, Volker; and La Grone, Clyde W., to Eliminex Technology Inc. Incinerating toilet. 3,837,012, 9-24-74, Cl. 4-131.000.

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Rassmann, Christoph: *See*—
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Rast, Wlodzimierz. Chlorination unit. 3,822,017, 7-2-74, Cl. 210-145.000.

Rastogi, Vijay, to Goodrich, B. F., Company, The. Plural container pressure differential system. 3,827,599, 8-6-74, Cl. 222-52.000.

Rasturguyeff, Andrew W.; and Uthenwoldt, Frederick W., to Pitney-Bowes, Inc. Printing selectively on letters or on tape with flat bed printing means. 3,791,293, 2-12-74, Cl. 101-234.000.

Rata, Hidetoshi. Filter. 3,802,566, 4-9-74, Cl. 210-174.000.

Ratajczak, Ernst-Albert: *See*—
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Ratcliff, Ralph A.; and Ratcliff, Bruce E., 3,826,469.
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Ratcliff, Larry P., to United States of America, National Aeronautics and Space Administration. Latch mechanism. 3,820,741, 6-28-74, Cl. 244-1.0sd.

Ratcliff, Ralph A. Grab hook construction with clevis. 3,795,951, 3-12-74, Cl. 24-230.5cr.

Ratcliff, Ralph A., 1/4 to Ratcliff, Bruce E. and 1/4 to Ratcliff, Sandra Sears. Slip proof cable loop connector. 3,795,952, 3-12-74, Cl. 403-210.000.

Ratcliff, Ralph A.; and Ratcliff, Bruce E. Over-center load binder with variable mechanical advantage. 3,826,469, 7-30-74, Cl. 254-78.000.

Ratcliff, Ralph A.; and Ratcliff, Bruce E. Latching over-center type load binder. 3,842,426, 10-15-74, Cl. 254-78.000.

Ratcliff, Rudy J., to Ratcliff Industries, Inc. Mechanism for raising and lowering telescopic travel trailer. 3,809,426, 5-7-74, Cl. 296-27.000.

Ratcliff, Sandra Sears: *See*—
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Ratcliffe, Robert E. G.: *See*—
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Rateli, Roger, to Fives Lille-Cail. Centrifuge machine. 3,789,623, 2-5-74, Cl. 64-17.000.

Rater, Rudolph. Apparatus for sawing rock. 3,844,269, 10-29-74, Cl. 125-13.00r.

Rath, Heinrich Bernhard, to Girling Limited. Disc brake and support structure therefor. 3,782,510, 1-1-74, Cl. 188-73.300.

Rathbun, Richard H.: *See*—
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Rathburn, Donald R.: *See*—
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Rathburn, Paul, to Craft Camera Corporation. Graphic arts camera. 3,834,811, 9-10-74, Cl. 355-18.000.

Rathe, Robert Allyn; and Miller, Lyle Eugene, to Deere & Company. Extension assembly for a skidder tractor stacking blade assembly. 3,786,872, 1-22-74, Cl. 172-801.000.

Rather, James B., Jr., to Schoolhouse Enterprises Ltd. Pompon making apparatus. 3,816,888, 6-18-74, Cl. 28-2.000.

Rathgeb, Paul, to Ciba-Geigy Corporation. Nematocidal and fungicidal agents. 3,830,925, 8-20-74, Cl. 424-270.000.

Rathgeb, Paul, to Ciba-Geigy Corporation. 2-(O,S-diloweralkylthiolphosphoryl) ethers. 3,833,691, 9-3-74, Cl. 260-951.000.

Rathje, Werner, to Boehringer Mannheim GmbH. Reagent for the determination of calcium. 3,854,880, 12-17-74, Cl. 23-230.00b.

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Rathmell, Richard K. Ski boot with latchable guided heel holder. 3,798,800, 3-26-74, Cl. 36-2.5al.
Rathmell, Richard K. Ski boot hinged on sole. 3,822,491, 7-9-74, Cl. 36-2.5al.
Rathmell, Richard K. Crossed double layer shoe upper. 3,837,098, 9-24-74, Cl. 36-2.5al.
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Rathsack, Quintin J. Trailer hitch converter. 3,837,674, 9-24-74, Cl. 280-417.000.
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Ratkovich, John M. Radio transmitting hunting arrow with finding means. 3,790,948, 2-5-74, Cl. 343-113.00r.
Ratkowski, Thomas A., to Abex Corporation. Dipper bucket corner member with integral shroud. 3,812,608, 5-28-74, Cl. 37-141.00t.
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Ratliff, Frank W.; and McBurnett, James R., to Tyrone Hydraulics, Inc. Control system for multiple motor hydraulic means. 3,849,985, 11-26-74, Cl. 60-483.000.
Ratliff, Harvey L., Jr., to Jetru, Inc. Universal stereoscopic viewing device. 3,850,505, 11-26-74, Cl. 350-133.000.
Ratmansky, Samuel C. Electrical discharge machining efficiency and safety monitoring system. 3,816,692, 6-11-74, Cl. 219-69.00c.
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Ratts, Kenneth Wayne, to Monsanto Company. Plant regulation with 2-halo-2',6'-disubstituted -N-amidomethyl-acetanilides. 3,829,306, 8-13-74, Cl. 71-76.000.
Ratts, Kenneth Wayne, to Monsanto Company. Herbicidal anilides. 3,830,841, 8-20-74, Cl. 260-557.00r.
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Rattunde, Manfred, to Werner Reimers Kommanditgesellschaft. Infinitely variable cone pulley transmission. 3,782,213, 1-1-74, Cl. 74-230.17f.
Ratz, Heinz: *See*—
Schubel, Hans; Janssen, Paul; and Ratz, Heinz, 3,794,655.
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Ratz, James W., to Honeywell Inc. Shaft speed monitoring circuit. 3,792,460, 2-12-74, Cl. 340-271.000.
Ratz, James W., to Honeywell Inc. Pulse difference counter. 3,808,407, 4-30-74, Cl. 235-92.0fq.
Ratz, Robert Marie, to Colgate-Palmolive Company. Variegated soap apparatus. 3,857,662, 12-31-74, Cl. 425-296.000.
Ratz, Walter; and Laval, Willy, to Bergwerksverband GmbH. Conductor loops for ascertaining damage in steel cable reinforced conveyor belts. 3,834,524, 9-10-74, Cl. 198-232.000.
Rau, Eric: *See*—
Ilardi, Joseph M.; and Rau, Eric, 3,836,628.
Rau, Frank J.; and Staahl, Joseph R., Jr., to PPG Industries, Inc. Thermal conditioning of molten glass. 3,810,743, 5-14-74, Cl. 65-29.000.
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Rau, Hans; Wegener, Joachim Rolf; and Greene, Peter Townsend, to U.S. Philips Corporation. Method of preparing iron powder suitable for magnetic recording. 3,837,839, 9-24-74, Cl. 75-.5aa.
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Rau, James E.; Van Wyk, Rogell; and Watson, George A., to Rockwell International Corporation. Digital acceleratiion measurement device. 3,805,089, 4-16-74, Cl. 307-233.000.
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Goff, Raymon L.; and Rau, Jim L., 3,834,278.
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Raubenheimer, Johann Nicolaas. Cleaning devices. 3,803,658, 4-16-74, Cl. 15-1.700.
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Rauch, Francis Clyde; and Arzoumanidis, Gregory Gerasimos, to American Cyanamid Company. Catalytic production of aniline and other amines from carboxylic acids and ammonia. 3,812,137, 5-21-74, Cl. 260-296.00r.
Rauch, Francis Clyde; and Nachtigall, Guenter Willi, to American Cyanamid Company. Catalytic hydration of nitriles to produce amides. 3,821,300, 6-28-74, Cl. 260-561.00n.
Rauch, Richard A.; Camas, George; and Shulman, Elliott, to CPC International Inc. Air drive for conveyor. 3,834,521, 9-10-74, Cl. 198-203.000.
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Raudys, Vytas Andrew, to Union Carbide Corporation. Close fitting article packaging system. 3,783,580, 1-8-74, Cl. 53-29.000.
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Raue, Roderich; and Dorsch, Hans-Lothar, to Bayer Aktiengesellschaft. Benzimidazoline arylhydrazone dyestuffs. 3,829,418, 8-13-74, Cl. 260-240.00g.
Raue, Roderich; Kruckenberg, Winfried; and Rohe, Ernst-Heinrich, to Bayer Aktiengesellschaft. Dyestuffs and process for their production. 3,829,461, 8-13-74, Cl. 260-465.00d.
Rauenbusch, Erich; and Golker, Christian, to Farbenfabriken Bayer Aktiengesellschaft. Separation and purification of kallikreintrypsin inhibitor. 3,830,790, 8-20-74, Cl. 260-112.500.
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Rauhut, Michael McKay; and Bollyky, Laszlo Joseph, to American Cyanamid Company. Bis-(phthalic acid)-oxalic acid anhydrides and related compounds. 3,804,891, 4-16-74, Cl. 260-515.00p.
Rauhut, Michael McKay; and Semsel, Andrew Milo, to American Cyanamid Company. Chemical lighting system comprising a polymeric chemiluminescent composition and an activating liquid comprising hydrogen peroxide. 3,816,325, 6-11-74, Cl. 252-188.3cl.
Rauhut, Otto A., to Wide Range Electronics Corporation. Noise-reduction amplifier. 3,796,966, 3-12-74, Cl. 330-149.000.
Rauhut, Paul, to Brown Boveri & Company Limited. Phase converter. 3,836,837, 9-17-74, Cl. 321-55.000.
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Raun, Arthur P., to Lilly, Eli, and Company. Ruminant feed utilization improvement. 3,790,668, 2-5-74, Cl. 424-117.000.
Raun, Arthur P., to Lilly, Eli, and Company. Ruminant feed utilization improvement. 3,794,732, 2-26-74, Cl. 424-283.000.
Raun, Arthur P., to Lilly, Eli and Company. Ruminant feed utilization improvement. 3,816,618, 6-11-74, Cl. 424-115.000.
Raun, Arthur P., to Lilly, Eli, and Company. Antibiotics monensin and A204 for improving ruminant feed efficiency. 3,839,557, 10-1-74, Cl. 424-115.000
Raupach, Friedrich. Gas filled measuring condenser. 3,829,744, 8-13-74, Cl. 317-244.000.
Raus, John W.: *See*—
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Rausch, John J., and Van Thyne, Ray J., to Surface Technology Corporation. Surface depleted nitrided materials. 3,783,039, 1-1-74, Cl. 148-31.500.
Rausch, John J.; and Van Thyne, Ray J., to Surfalloy Corporation. Method of forming diffusion coatings. 3,787,228, 1-22-74, Cl. 117-114.00r.
Rausch, John J.; and Van Thyne, Ray J., to Surface Technology Corporation. Composite nitrided materials. 3,802,933, 4-9-74, Cl. 148-31.500.
Rausch, Richard E.: *See*—
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Rausch, Richard E., to Universal Oil Products Company. Tetrametallic hydrocarbon conversion catalyst and uses thereof. 3,790,473, 2-5-74, Cl. 208-139.000.
Rausch, Richard E., to Universal Oil Products Company. Tetrametallic hydrocarbon conversion catalyst and uses thereof. 3,801,498, 4-2-74, Cl. 208-139.000.
Rausch, Richard E., to Universal Oil Products Company. Bimetallic catalytic reforming with halogen addition. 3,846,283, 11-5-74, Cl. 208-139.000.
Rausch, Richard E., to Universal Oil Products Company. Sulfur-free reforming with a platinum-tin catalyst. 3,847,794, 11-12-74, Cl. 208-88.000.
Rauschelbach, Paul A., to Sperry Rand Corporation. Aircraft automatic flight control system. 3,848,833, 11-19-74, Cl. 244-77.00d.
Rauscher, Baldur: *See*—
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Rauser, Jan Axel Ingemar, to Tetra Pak International AB. Device for the placing of packages into a collecting carton. 3,783,584, 1-8-74, Cl. 53-160.000.
Rausing, Anders Ruben, to Tetra Pak International AB. Parallellepipedic package. 3,795,359, 3-5-74, Cl. 229-7.00r.
Rausing, Gad Anders; Stark, Sven Olof Soren; and Sevrell, Sven Gosta Uno, to Tetra Pak Developpement SA. Method of making packaging containers. 3,830,140, 8-20-74, Cl. 93-36.600.
Rausing, Hans Anders, to Sobrefina S.A. Packing container. 3,848,760, 11-19-74, Cl. 215-12.000.
Rautalahti, Pentti; Kettunen, Jyrki, and Sonni, Olavi, to Metsaliiton Selluloosa Oy. Separate impregnation and common digestion of different wooden raw materials. 3,830,689, 8-20-74, Cl. 162-61.000.
Rautenstrauch, Valentin; and Naf, Ferdinand, to Firmenich S.A. Cycloaliphatic unsaturated ketones as odour- and taste-modifying agents. 3,852,355, 12-3-74, Cl. 260-586.00r.
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Ravault, Frank Ernest George, to Foseco International Limited. Production of porous ceramic materials through the use of foam attacking agent. 3,845,181, 10-29-74, Cl. 264-44.000.
Ravel, Leon, to Georges Lagain. Machines for the manufacture of plastic bags. 3,810,420, 5-14-74, Cl. 93-93.0ht.
Raven, Carl Bertil. Infusion cannula assemblies. 3,802,433, 4-9-74, Cl. 128-214.400.
Ravenelle, Richard L., Moran, Michael J.; and Thorburn, David E., to United States of America, Air Force. Tactile warning device for G-loading angle of attack. 3,792,426, 2-12-74, Cl. 340-27.00r
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Raver, Jack. Adjustable folding chair. 3,822,913, 7-9-74, Cl. 297-18.000.
Ravera, Giovanni; and Cosmo, Nicola, to Olivetti, Ing., C., & C., S.p.A. Copying machine particularly of the desk-top electrostatic type. 3,830,124, 8-20-74, Cl. 83-205.000.
Ravese, John R. Stressed skin safety trenching box. 3,782,126, 1-1-74, Cl. 61-41.00a.
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Ravin, Abe. Blood pressure teacher. 3,798,794, 3-26-74, Cl. 35-17.000.
Ravin, Abe. Respiratory sounds teaching apparatus. 3,849,909, 11-26-74, Cl. 35-17.000.
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Raw, Peter Michael; and Robbins, Rodway Albert, to British Insulated Callender's Cables Limited. Electrical cables. 3,795,760, 3-5-74, Cl. 174-128.000.
Raw, Peter Michael; and Llewellyn, Rees Jenkin, to British Insulated Callender's Cables Limited Limited. Aluminium alloy conductor wire. 3,842,185, 10-15-74, Cl. 174-23.00r.
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Rawson, Donald E.; Greene, Norman D.; and Hoylman, H. Wayne. Heat flow transducer for thermal surveys. 3,808,889, 5-7-74, Cl. 73-341.000.
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Rawson, Eric Gordon, to Bell Telephone Laboratories, Incorporated. Optical couplers. 3,829,195, 8-13-74, Cl. 350-96.00r.
Rawson, Robert E. Putting stroke analyser. 3,788,646, 1-29-74, Cl. 273-183.00e.
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Ray, Charles A., said Ray assor. to Foamex Protection Corporation. Fire extinguishing apparatus. 3,830,309, 8-20-74, Cl. 169-65.000.
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Ray, Louis Z. Turn lean restricter for motorcycles. 3,829,110, 8-13-74, Cl. 280-8.000.
Ray, McNally S. Water hose attachment holder. 3,823,905, 7-16-74, Cl. 248-87.000.
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Ray, Robert L., to Dayco Corporation. Endless power transmission belt and method of making same. 3,847,029, 11-12-74, Cl. 74-233.000.
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Ray-Chaudhuri, Dilip K.; and Iovine, Carmine P., to National Starch and Chemical Corporation. Fluorocarbon sulfonic acid water and oil repellency agents. 3,810,939, 5-14-74, Cl. 260-513.00r.
Ray-Chaudhuri, Dilip K.; Iovine, Carmine P.; and Goldberg, Albert I., to National Starch and Chemical Corporation. Fire retardant polymers. 3,830,769, 8-20-74, Cl. 260-29.60r.
Ray-Chaudhuri, Dilip K.; Georgoudis, Paul C.; and Stockmann, Hans H., to National Starch and Chemical Corporation. Electrophotographic coating compositions having bromine containing polymer binders. 3,845,022, 10-29-74, Cl. 260-78.50r.
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Reck, Lothar, to General Motors Corporation. Motor vehicle indicator systems. 3,835,450, 9-10-74, Cl. 340-52.00f

Reck, Lothar, to General Motors Corporation. Catalytic converter overheating protection. 3,838,569, 10-1-74, Cl. 60-277.000

Reck, Richard A.; and Abramitis, Walter W., to Akzona Incorporated, mesne. Plant hormone carboxylic acid salts of aliphatic polyamines. 3,852,340, 12-3-74, Cl. 260-501.10e.

Reck, Svend Christian. Safety devices for windows and doors. 3,843,179, 10-22-74, Cl. 292-263.000.

Reckard, Ronald M., and Morse, Raymond L., to General Electric Company. Low voltage surge arrester. 3,798,505, 3-19-74, Cl. 317-68.000.

Recker, Florian B. Direction indicator for coupling. 3,849,007, 11-19-74, Cl. 403-27.000.

Reckitt & Colman Products Limited. *See*—
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Recknagel, Fred M., to Chevron Research Company. Apparatus for cooling and sizing hot thermoplastic extrudates. 3,804,567, 4-16-74, Cl. 425-71.000.

Reckseit, Bernard S.; and Burgess, George A., to Sweco, Inc. Hoist pans and hoist pan handling apparatus. 3,791,539, 2-12-74, Cl. 214-17.00e.

Recktenwald, James N. Control valve for a catalytic heater. 3,822,824, 7-9-74, Cl. 236-102.000.

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Red Jacket Manufacturing Company: *See*—
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Reda, Glauco, to Officina Teenomeccanica Esecuzioni e Montaggi S.p.A., (O.T.E.M.). Pallet coupling device for chain type conveyors. 3,786,909, 1-22-74, Cl. 198-131.000

Reda, Kazimierz J., to Producto Machine Company, The. Clamp for rotary tables. 3,786,721, 1-22-74, Cl. 90-58.00b.

Redactron Corporation. *See*—
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Redeay, Paul Wilson, to United States of America, Army. Pulse doppler fuse. 3,849,778, 11-19-74, Cl. 343-7.0pf.

Redd, Michael Eugene; and Rieke, Robert Clyde, to Weyerhaeuser Company. Method of making end rings for cylindrical containers. 3,814,041, 6-4-74, Cl. 113-121.00e.

Reddaway, Stewart Fiddian, to International Computers Limited. Pseudo-random number generators. 3,811,038, 5-14-74, Cl. 235-152.000.

Reddick, Willis C., to International Telephone and Telegraph Corporation. Microphone mounting. 3,786,203, 1-15-74, Cl. 179-146.00r.

Reddick, Willis C., to International Telephone and Telegraph Corporation. Hands-free emergency telephone system. 3,800,089, 3-26-74, Cl. 179-1.0hf.

Redding, Donald E. Fish retriever. 3,833,252, 9-3-74, Cl. 294-110.00a.

Redding, Harry L., Jr., to General Motors Corporation. Vehicle suspension system. 3,829,120, 8-13-74, Cl. 280-124.00b.

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Reddy, Junuthula N., to Bendix Corporation, The. Pressure dependent deceleration cutoff for an internal combustion engine fuel delivery system. 3,794,003, 2-26-74, Cl. 123-97.00b.

Reddy, Junuthula N., to Bendix Corporation, The. Method and apparatus for providing a nonlinear pressure transducer output signal. 3,800,750, 4-2-74, Cl. 123-32.0ea.

Reddy, Junuthula N., to Bendix Corporation, The. Electric fuel pump control circuit for intermittent injection electronic fuel control systems. 3,822,677, 7-9-74, Cl. 123-32.0ea.

Reddy, Junuthula N., to Bendix Corporation, The. Fuel injection control system. 3,854,458, 12-17-74, Cl. 123-32.0ea.

Reddy, K. Narashimha, to Fairbanks Morse Inc. Flywheel magneto ignition system. 3,828,753, 8-13-74, Cl. 123-148.00r.

Reddy, Komatireddy Narashimha, to Colt Industries Operating Corporation. Pulser rotor for ignition systems. 3,799,137, 3-26-74, Cl. 123-149.00r.

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Reddy, Redreddy Sukumar; Roth, Carl W.; Rago, Richard A.; and Daugirdas, Kristupas, to Vapor Corporation. Door operator with door panel position sensing and locking device. 3,857,197, 12-31-74, Cl. 49-13.000.

Reddy, Robert R. Valve with axially movable valving tube and laterally movable valving wall. 3,795,384, 3-5-74, Cl. 251-257.000.

Redeco, Inc., mesne: *See*—
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Redemann, Hubert, to Linde Aktiengesellschaft. Expansion turbine separator. 3,785,128, 1-15-74, Cl. 55-405.000.

Redemann, James W. Cassette-slide synchronizer. 3,809,364, 5-7-74, Cl. 353-15.000.

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Redfern, Howard W.; and Coleman, William P. Defrosting device with heat extractor. 3,838,582, 10-1-74, Cl. 62-196.000.

Redfern, Howard W.; and Coleman, William P. Defroster with auxiliary heater for display cases. 3,839,879, 10-8-74, Cl. 62-197.000.

Redfern, Howard W.; and Coleman, William P. Portable cooling unit for connection with automobile air conditioner. 3,850,006, 11-26-74, Cl. 62-216.000.

Redfern, John T., to United States of America, Navy. High-pressure optical bulkhead penetrator. 3,825,320, 7-23-74, Cl. 350-96.00b.

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Redford, David Arthur, to Petrofina Canada Ltd. Process for developing interwell communication in a tar sand. 3,825,066, 7-23-74, Cl. 166-261.000.

Redford, David Arthur; and Allen, Joseph Columbus, said Redford assor. to Texaco Exploration Canada Ltd. and said Allen assor. to Texaco Inc. Method for recovering petroleum from viscous petroleum containing formations including tar sands. 3,838,738, 10-1-4, Cl. 166-271.000.

Redhead, David L.: *See*—
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Redifer, Robert B. Windshield washer system. 3,790,083, 2-5-74, Cl. 239-284.000.

Redifon Limited: *See*—
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Rediger, John R.; and Hansen, David D., to Caterpillar Tractor Company. Clip-retained, noise-suppression material for vehicle cabs. 3,843,191, 10-22-74, Cl. 296-39.00a.

Redin, Clifton W. Method and machine for topping gear. 3,797,361, 3-19-74, Cl. 90-1.400.

Reding, John N., to Dow Chemical Company, The. Method for melting and purifying magnesium. 3,843,355, 10-22-74, Cl. 75-67.000

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Redington, Rowland W.; and Henkes, John L., Jr., to General Electric Company. Screen for producing an enhanced impression of depth. 3,820,873, 6-28-74, Cl. 350-125.000

Redington, Rowland W.; and Van Heerden, Pieter J., to General Electric Company. Photoconductive camera tube and methods of manufacture. 3,825,795, 7-23-74, Cl. 315-10.000

Redka, William: *See*—
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Redken Laboratories, Inc.: *See*—
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Redland Tiles Ltd., mesne: *See*—
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Redlich, Horst: *See*—
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Redlich, Horst; Dickopp, Gerhard; and Krause, Franz-Eberhard, to TED Bildplatten Aktiengesellschaft. Recording carrier for video singals with spiral or helical trace and an odd number of fields per turn. 3,796,825, 3-12-74, Cl. 178-6.6dd

Redlich, Horst; Gluth, Joachim; and Kossak, Rolf, to TED Bildplatten Aktiengesellschaft AEG-Telefunken-Teldec. Recording of audio and video signals in the same track. 3,830,968, 8-20-74, Cl. 178-6.60a.

Redlichs, Augusts V., to Rapistan Incorporated. Pressure relieved trolley stop for conveyors. 3,831,528, 8-27-74, Cl. 104-252.000

Redline, Ronald N.: *See*—
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Redman, Harry M. Pencil box. 3,804,293, 4-16-74, Cl. 221-102.000.

Redman Heenan Froude Limited: *See*—
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Redman, Howard E., to Matthewson Corporation. Machine for simultaneously sewing the opposite edges of strip material. 3,799,082, 3-26-74, Cl. 112-3.00r

Redman, James C.; and Trent, Lynn E., to GTE Sylvania Incorporated. Apparatus and method for counting repetitive patterns in strips of moving apertured material. 3,790,762, 2-5-74, Cl. 235-92.00v.

Redman, Michael J.: *See*—
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Redman, Robert Frederick, to Rolls-Royce (1971) Limited. Cooled vane or blade for a gas turbine engine. 3,799,696, 3-26-74, Cl. 416-97.000.

Redman, Robert Frederick, to Rolls-Royce (1971) Limited. Vane or blade for a gas turbine engine. 3,809,494, 5-7-74, Cl. 416-97.000

Redmann, Ulrich: *See*—
Strehlke, Peter; and Redmann, Ulrich, 3,819,642
Von Szczepanski, Christoph; Heindl, Joseph; Schroder, Eberhard; Kessler, Hans-Joachim; and Redmann, Ulrich, 3,819,717.

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Redmore, Derek: *See*—
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Redmore, Derek, to Petrolite Corporation. Quinoline nitrogen-heterocyclic phosphonates. 3,786,055, 1-15-74, Cl. 260-283.00p

Redmore, Derek, to Petrolite Corporation. Dihydrophenanthridine phosphonates. 3,809,694, 5-7-74, Cl. 260-286.00a

Redmore, Derek, to Petrolite Corporation. Full pyridine phosphonic acids. 3,810,907, 5-14-74, Cl. 260-297.00p.

Redmore, Derek; and Welge, Frederick T., to Petrolite Corporation. Corrosion inhibiting process using silicon-containing aminomethyl phosphonates. 3,816,184, 6-14-74, Cl. 148-6.150.

Redmore, Derek, to Petrolite Corporation. Dihydroacridine phosphonates. 3,816,428, 6-11-74, Cl. 260-279.00r.

Redmore, Derek, to Petrolite Corporation. 1,2-Dihydro-pyridine-N-phosphonates and thiophosphonates. 3,821,232, 6-28-74, Cl. 260-294.80k.

Redmore, Derek, to Petrolite Corporation. Dialkyl 1,2, dihydro quinoline and 1,2, dihydro isoquinoline phosphonates. 3,830,815, 8-20-74, Cl. 260-283.00p.

Redmore, Derek, to Petrolite Corporation. Process of inhibiting corrosion by treatment with phosphate-cyclic amidine salts. 3,846,071, 11-5-74, Cl. 21-2.70a.

Redmore Products Co.: *See*—
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Redpath, Donald C.: *See*—
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Redpath Dorman Long (Contracting) Limited: *See*—
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Reduska, William: *See*—
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Redwine, Clyde S., to Johnson Electronics, Inc. Crystal filtering device, 3,783,418, 1-1-74, Cl. 333-72.000.

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Ree, Buren R., to Minnesota Mining and Manufacturing Company. Acrylic resins containing epoxy functionality, 3,817,946, 6-18-74, Cl. 260-79.000.

Reeber, Nicholas J., to Hazeltine Corporation. Graphic arts process simulation system. 3,800,071, 3-26-74, Cl. 178-5.20a.

Reeber, Nicholas J.; and Saint John, Karl M., to Hazeltine Corporation. Local correction apparatus for a color previewer. 3,848,856, 11-19-74, Cl. 358-76.000.

Reed, Alston L. Reciprocating feeder. 3,835,984, 9-17-74, Cl. 198-220.0ba.

Reed, Bradley O., to General Electric Company. Hydromechanical steering transmission. 3,815,698, 6-11-74, Cl. 180-6.480.

Reed, Charles F.; and Komendat, David T., to Avery Products Corporation. Area divarication adhesive means. 3,833,456, 9-3-74, Cl. 161-167.000.

Reed, Chester L.: *See*—
Hyyppa, Fino J.; and Reed, Chester L., 3,793,731.

Reed, Clovis H. Wire and cable insulation removing device. 3,822,615, 7-9-74, Cl. 81-9.510.

Reed, Dale F.; and Cebula, Jerome J., to State of Colorado, Department of Natural Resources Division of Wildlife, The. One-way deer gate. 3,803,763, 4-16-74, Cl. 49-49.000.

Reed, David A.: *See*—
Miaskoff, Leonard; and Reed, David A., 3,816,866.

Reed, David Arthur; and Weston, David Frederick, to Imperial Chemical Industries, Limited. Removal device. 3,817,078, 6-18-74, Cl. 72-392.000.

Reed, David Austin: *See*—
Anderson, Frederick Douglas; and Reed, David Austin, 3,819,173.

Reed, David M. Vehicle battery changing device. 3,799,063, 3-26-74, Cl. 104-34.000.

Reed, Denvil E., Jr.: *See*—
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Reed, Echol M., Jr.: *See*—
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Reed, Echol M., Jr.; and Bea, Donald A., to Chevron Research Company. Vacuum residuum and vacuum gas oil desulfurization. 3,830,731, 8-20-74, Cl. 208-211.000.

Reed, Edward A., to Harsco Corporation. Floor conveying apparatus for forage wagon. 3,819,072, 6-25-74, Cl. 214-83.360.

Reed, Edward A., to Harsco Corporation. Manure spreader. 3,845,885, 11-5-74, Cl. 222-176.000.

Reed, Edward L.; and Groce, Irwin J., to Rockwell International Corporation. Coating for thermoelectric materials. 3,806,362, 4-23-74, Cl. 117-221.000.

Reed, Edward L., to North American Rockwell Corporation. Method of massively hydriding zirconium-uranium alloy. 3,829,552, 8-13-74, Cl. 423-255.000.

Reed, Edward L.; and Groce, Irwin J., to Rockwell International Corporation. Ceramic coating of high thermal expansion coefficient for thermoelectric materials. 3,833,387, 9-3-74, Cl. 106-49.000.

Reed, Edwin Emett: *See*—
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Reed, Eva. Simultaneous hair drying and styling. 3,822,484, 7-9-74, Cl. 34-99.000.

Reed, Frank E., to Rogers Brothers Company. Onion topper and slicer. 3,830,152, 8-20-74, Cl. 99-643.000.

Reed, Frank L.: *See*—
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Reed, Frederick P., to United States of America, Army. Reinforced lightweight cartridge. 3,797,396, 3-19-74, Cl. 102-43.00r.

Reed, Geoffrey Ronald, to British Steel Corporation. Coil stabilising system. 3,834,637, 9-10-74, Cl. 242-65.000.

Reed, Geoffrey Ronald; and Knox, Barry Edward, to British Iron and Steel Research Association, The. Packaging coils. 3,843,070, 10-22-74, Cl. 242-55.000.

Reed, Geoffrey Ronald, to British Iron and Steel Research Association, The. Coil package and method of forming a package. 3,856,141, 12-24-74, Cl. 206-407.000.

Reed, Glen H. Apparatus for grinding a cabochon or the like. 3,844,070, 10-29-74, Cl. 51-127.000.

Reed, Gordon Howard: *See*—
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Reed, James C., to Manufacturing Approaches & Total Concepts, Inc. Self-gauging mitre saw. 3,854,360, 12-17-74, Cl. 83-468.000.

Reed, James Ronald. Torque limiting devices. 3,807,539, 4-30-74, Cl. 192-150.000.

Reed, James W. Tread cover for pneumatic tire. 3,857,426, 12-31-74, Cl. 152-185.000.

Reed, Jerry O.: *See*—
Underwood, John H.; Dix, James S.; and Reed, Jerry O., 3,850,882.

Reed, Jerry O.; and Dix, James S., to Phillips Petroleum Company. Flame retardant polyolefin compositions of improved color and melt stability. 3,849,352, 11-19-74, Cl. 260-23.00h.

Reed, John A., to Intel Corporation. MOS dynamic memory array and refreshing system. 3,858,185, 12-31-74, Cl. 340-173.0dr.

Reed, John C.: *See*—
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Reed, Joseph; and De Lorenzo, Joseph F., to Litton Systems, Inc. Communication system utilizing frequency division multiplexing to link a plurality of stations each containing a switchable synthesizer. 3,809,815, 5-7-74, Cl. 179-15.0fd.

Reed, Joseph; Shapiro, Jonas M.; Iliakidis, Athanassious; and Apostolakis, Anthony, to Litton Systems, Inc. Communication system utilizing frequency division multiplexing and a frequency plan therefor. 3,809,816, 5-7-74, Cl. 179-15.0fd.

Reed, L. J.; and Treadway, Ronald L., to Motorola, Inc. Bistable multivibrator circuit. 3,818,250, 6-18-74, Cl. 307-289.000.

Reed, Lloyd Edward: *See*—
Speer, Walter Franklin; and Reed, Lloyd Edward, 3,824,507.

Reed Manufacturing Company: *See*—
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Reed, Marion G.: *See*—
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Reed, Marion G.; and Jaffe, Joseph, to Chevron Research Company. Novel catalyst support. 3,798,177, 3-19-74, Cl. 252-455.00r.

Reed, Marion G., to Chevron Research Company. Sand stabilization in selected formations. 3,827,495, 8-6-74, Cl. 166-250.000.

Reed, Marion G., to Chevron Research Company. Formation permeability maintenance with hydroxy-aluminum solutions. 3,827,500, 8-6-74, Cl. 166-305.00r.

Reed, Marion G.; and Millhone, Ralph S., to Chevron Research Company. Method of mixing an aqueous aluminium salt solution and an alkaline base solution in a set mixer to form a hydroxy-aluminum solution. 3,833,718, 9-3-74, Cl. 423-629.000.

Reed, Martin C.: *See*—
Kolomayets, George; and Reed, Martin C., 3,801,109.

Reed, Norman D.: *See*—
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Reed, Richard R.: *See*—
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Reed, Robert D.: *See*—
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Reed, Robert D.; and Schwartz, Robert E., to Zink, John Company. Opti-netic flare. 3,801,261, 4-2-74, Cl. 431-202.000.

Reed, Robert D.; and Schwartz, Robert E., to Zink, John, Company. Airductor flare. 3,817,695, 6-18-74, Cl. 431-202.000.

Reed, Robert D.; and Goodnight, Hershel E., to Zink, John, Company. Tri-fuel burner for process gases. 3,857,672, 12-31-74, Cl. 431-353.000.

Reed, Robert G.: *See*—
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Benson, Robert W.; Chapman, James Ronald; Reed, Robert G.; and Smith, Hoyt L., 3,811,669.
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Reed, Robert H., to Redmore Products Co. Guy-wire guard fasteners. 3,782,059, 1-1-74, Cl. 52-147.000.

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Reed, Ronald. Suspended platform rigs for ship hulls and the like. 3,807,529, 4-30-74, Cl. 182-82.000.

Reed, Roy D. Combination transmitter and counter device for liquid flow meter. 3,816,714, 6-11-74, Cl. 235-94.00r.

Reed, Russell, Jr.: *See*—
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Reed, Samuel F., Jr., to United States of America, Army, mesne. Propellants containing copolymers of dienes and polymerizable ferrocene or carborane compounds. 3,813,304, 5-28-74, Cl. 149-19.200.

Reed, Samuel F., Jr., to United States of America, Army, mesne. Propellant composition using carboxy-terminated copolymers of butadiene and ferrocene derivatives. 3,813,306, 5-28-74, Cl. 149-19.900.

Reed, Samuel F., Jr. Telechelic copolymers of dienes and polymerizable ferrocene or carborane compounds. 3,816,380, 6-11-74, Cl. 260-82.100.

Reed, Samuel M. Drive-in speaker installation. 3,836,716, 9-17-74, Cl. 179-1.0dd.

Reed, Thomas B.: *See*—
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Reed, Wallace D.; and Stoltz, Richard A., to Westinghouse Electric Corporation. Methods for fabricating ceramic circuit boards with conductive through holes. 3,798,060, 3-19-74, Cl. 117-212.000.

Reed, Walter. Intruder repeller and burglar alarm. 3,805,732, 4-23-74, Cl. 116-94.000.

Reed, Walter L.: *See*—
Johnson, Elmer R.; Reed, Walter L.; Tieman, Charles H.; and Soloway, Samuel B., 3,830,921.

Reed, Wilbur B., to United States of America, Navy, mesne. Apparatus for rapidly accelerating and cushionably decelerating a piston-like member. 3,795,172, 3-5-74, Cl. 89-1.50r.

Reed, Willard H.: *See*—
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Reed, William A.: *See*—
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Reed, William B.; and Bigsby, Floyd W., to Western Roto Thresh Ltd. Pneumatic classifier for rotary threshing machine. 3,797,502, 3-19-74, Cl. 130-27.00r.

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Reedy, Donald G., to Special Sports Products Corporation. Endless drive track for snowmobiles and the like. 3,838,894, 10-1-74, Cl. 305-35.0eb.

Reedy, Donald G., to Special Sports Products Corporation. Hinged cleat for snowmobile drive track. 3,841,167, 10-15-74, Cl. 74-231.00r.

Reedy, Donald G., and Pattullo, George R. Snowmobile ski 3,850,440, 11-26-74, Cl. 280-28.000.

Reedy, Elvie L. Uniblock lubricator. 3,822,002, 7-2-74, Cl. 184-45.00r.

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Reehil, Edward G., to Xerox Corporation. Elevator assembly positioning control. 3,820,777, 6-28-74, Cl. 271-155.000

Reehil, Edward G.; and Steiner, Edward L., to Xerox Corporation. Reproduction apparatus. 3,851,966, 12-3-74, Cl. 355-17.000

Reekie, James; and Royston, Marvin F., to Bell & Howell Company. Stabilizing mechanism. 3,845,929, 11-5-74, Cl. 248-358.00r.

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Rees, Alfred, to Lucas, Joseph, (Electrical) Limited. Terminal connector assembly for automotive distributor contact breaker. 3,812,305, 5-21-74, Cl. 200-284.000

Rees, Charles E., Jr., to Johns-Manville Corporation. Spray deflector and arrangement for rotatable sprinklers. 3,856,207, 12-24-74, Cl. 239-230.000.

Rees, David B., to United States Steel Corporation. Wrapping apparatus. 3,789,594, 2-5-74, Cl. 57-10.000.

Rees, David John, to United States Borax & Chemical Corporation. Sulphoxidation of aliphatic hydrocarbons using ultraviolet light and a boron compound. 3,795,599, 3-5-74, Cl. 204-162.0Sa.

Rees, Herbert, to Husky Manufacturing & Tool Works, Limited. Injection molding machine with article remover. 3,804,568, 4-16-74, Cl. 425-139.000.

Rees, Herbert, to Husky Manufacturing & Tool Works, Limited. Unloading mechanism for injection-molding machine. 3,807,915, 4-30-74, Cl. 425-436.00r.

Rees, John Michael; Coxon, George Eric; and Johnston, Robert Bernard. Electric incandescent lamps. 3,811,063, 5-14-74, Cl. 313-222.000.

Rees, Lynn T., to Motorola, Inc. Control circuit for disabling MOS oscillator. 3,828,278, 8-6-74, Cl. 331-116.00r.

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Rees, Richard W.; and Chai, Sie Yearl, to American Home Products Corporation. Decapeptide [D-Phe]^2 analog of luteinizing hormone releasing factor and intermediates thereof. 3,824,227, 7-16-74, Cl. 260-112.500.

Rees, Richard W., to American Home Products Corporation. Homo-(Tyr^2)-LRF and Thr^4-LRF and intermediates. 3,842,065, 10-15-74, Cl. 260-112.500.

Rees, Richard Watkin; and Reinhardt, Hans-Georg, to Du Pont de Nemours, E. I., and Company. Reinforced resin compositions. 3,789,051, 129-74, Cl. 260-41.00a.
Rees, Robert L.; and Williams, George E., to Phillips Petroleum Company. Intumescent coated crosslinked polyolefins. 3,821,022, 6-28-74, Cl. 117-137.000.
Rees, Thomas C., to Sherwin-Williams Company, The. Encapsulation of organic pigments. 3,826,670, 7-30-74, Cl. 106-308.00q.
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Reese, Joe, to United States of America, Navy. Terminator for spiral antenna. 3,787,871, 1-22-74, Cl. 343-895.000.
Reese, Joe, to United States of America, Navy. Electrically small resonant antenna with capacitively coupled load. 3,852,756, 12-3-74, Cl. 343-708.000.
Reese, Johannes; and Hotze, Hermann, to Reichhold-Albert-Chemie Aktiengesellschaft. Low viscosity pulverulent thermosetting resinous composition. 3,843,751, 10-22-74, Cl. 260-862.000.
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Reese, Robert O., to Time Computer, Inc., mesne. Wristwatch calculator. 3,803,834, 4-16-74, Cl. 58-152.00r.
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Reeser, Floyd H., to United States of America, Navy. Vehicular control system. 3,802,365, 4-9-74, Cl. 114-25.000.
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Reesman, Stanley H., to General Foods Corporation. Method for making flaked cereals. 3,845,232, 10-29-74, Cl. 426-457.000.
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Regipa, Robert, to Centre National d'Etudes Spatiales. Process for hot-welding a strip on a film. 3,844,867, 10-29-74, Cl. 156-270.000.
Regis, Harry J. Navigation aid and display screen. 3,793,619, 2-19-74, Cl. 340-3.00r.
Regis, Rene Marc Jean, to Les Aplications Industrielles du Tube. Telescopic support for seats, tables and the like. 3,856,252, 12-24-74, Cl. 248-402.000.
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Regnault, Jean Pierre Germain, to International Harvester Company. Automatic dust unloading valve in a centrifugal air cleaner. 3,816,982, 6-18-74, Cl. 55-337.000.
Regneault, Marcel; and Perez, Jean, to Automobiles Peugeot. Device for actuating an electromagnetically controlled injector. 3,802,626, 4-9-74, Cl. 239-96.000.
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Regnier, Albert; Kevorkian, Devork; and Lager, Jean Paul, to International Standard Electric Corporation. Time division switching network employing space division stages. 3,851,105, 11-26-74, Cl. 179-15.0at.
Regnier, Gilbert; Canevari, Roger; and Laubie, Michel, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Naphthyloxy hydroxypropylaminoalkyl piperazines. 3,808,210, 4-30-74, Cl. 260-256.40n.
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Regnier, Gilbert; Canevari, Roger, and Le Douarec, Jean-Claude, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Acylamino tetrazoles. 3,824,249, 7-16-74, Cl. 260-308.00d.
Regnier, Gilbert; Canevari, Roger; and Laubie, Michel. 2,6-Bis allylamine pyrimidinyl piperazines. 3,830,811, 8-20-74, Cl. 260-256.40n.
Regnier, Pierre R.; and Taran, Jean-Pierre E., to Office National d'Etudes et de Recherches Aerospatiales (par abreviation O.N.E.R.A.). Gas concentration measurement device using stimulated Raman scattering. 3,802,777, 4-9-74, Cl. 356-75.000.
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Reh, Lothar; Bohm, Eberhard; and Schoene, Gunter, to Metallgesellschaft Aktiengesellschaft. Process for producing aluminum fluoride. 3,836,635, 9-17-74, Cl. 423-489.000.
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Rehkopf, Charles; and Speigel, Kenneth, to GTE Sylvania Incorporated. Cathode ray tube screen structure. 3,858,083, 12-31-74, Cl. 313-472.000.

Rehkopf, Charles H.; and Speigel, Kenneth, to GTE Sylvania Incorporated. Apparatus for fabricating a cathode ray tube screen structure. 3,830,722, 8-20-74, Cl. 204-299.000.

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Rehm, John F.; and Lloyd, Evan E. M., to Singer Company, The. Information transmission system. 3,848,230, 11-12-74, Cl. 340-163.000.

Rehm, Karl; and Schwarz, Hermann, to Licentia Patent-Verwaltungs-G.m.b.H. Rotating suction drum for data carriers. 3,788,636, 1-29-74, Cl. 271-4.000.

Rehm, Roger P., to Bauer Corporation. Multiple accessory attachment for ladders. 3,828,889, 8-13-74, Cl. 182-107.000.

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Reiber, Helmut; and Stapelfeldt, Rolf, to International Standard Electric Corporation. Flexible antenna formed of opposed convex laminated strips covered with a heat-shrunk hose. 3,789,418, 1-29-74, Cl. 343-872.000.

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Reibold, Robert C., to McDonnell Douglas Corporation. Transducer construction and system for measuring respiration. 3,782,368, 1-1-74, Cl. 128-208.000.

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Reich, Joachim. Circuit arrangement with automatic starting and amplitude stabilization, especially for small electronic clocks and watches. 3,805,510, 4-23-74, Cl. 58-23.00a.

Reich, Manfred, to Chemische Werke Huls Aktiengesellschaft. Catalyst for preparing saturated alcohols. 3,803,055, 4-9-74, Cl. 252-454.000.

Reich, Peter; Sonnek, Werner; and Von Zeppelin, Wolfgang, to Traub GmbH. Machine tool for machining a work piece. 3,817,650, 6-18-74, Cl. 408-234.000.

Reich, Robert Frederick, to Chicago Bridge & Iron Company. Method and apparatus for transporting liquefied natural gas. 3,783,628, 1-8-74, Cl. 62-55.000.

Reich, Shymon: *See—*
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Reich, Wendell L.; and Paul, Robert C., to Reed Tool Company, mesne. Earth drilling apparatus. 3,814,194, 6-4-74, Cl. 173-152.000.

Reichardt, Theodore A. Temperature-regulating cabinet for photographic processing apparatus. 3,839,726, 10-1-74, Cl. 354-299.000.

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Reichel, Maximilian Karl; Ruckert, Hans; and Urban, Walter, to Hoechst Aktiengesellschaft. Process for the preparation of screen printing stencils using intermediate support for light sensitive layer. 3,853,561, 12-10-74, Cl. 96-36.400.

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Reichenbach, William. Electrical probe tester for continuity testing cartridge fuses in a fuse block. 3,820,017, 6-25-74, Cl. 324-51.000.

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Reichert, Donald G., to ABC Packaging Machine Corporation. Method of folding a box blank. 3,828,659, 8-13-74, Cl. 93-49.00m.

Reichert, Gunther, to International Standard Electric Corporation. Arrangement for the mounting of female connector strips. 3,793,613, 2-19-74, Cl. 339-126.00r.

Reichert, Heinz, to Eaton Corporation. Hourmeter for equipment having short operating times. 3,854,281, 12-17-74, Cl. 58-145.00r.

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Reid, Charles M.; and Ronellenfitch, Bernard M., to Elast-O-Cor Products & Engineering Limited. Hydrocyclones. 3,800,946, 4-2-74, Cl. 210-84.000.

Reid, Claude L., 20% to Lee, Raymond, Organization, Inc., The. Golf ball pickup device. 3,810,669, 5-14-74, Cl. 294-19.00a.

Reid, Colin David: *See—*
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Reid, Colin David; and Ritchie, Ian Daniel, to United Kingdom Atomic Energy Authority. Methods and apparatus for distinguishing between bodies according to their translucency. 3,786,266, 1-15-74, Cl. 250-222.00r.

Reid, Donald E., to Hercules Incorporated. Stabilized polyolefins useful as wire insulation in petroleum-jelly filled cables. 3,798,286, 3-19-74, Cl. 260-848.000.

Reid, Edward A., Jr.; Venendaal, Robert G.; and Myler, George W., to Columbia Gas System Service Corporation. Smooth top range. 3,785,364, 1-15-74, Cl. 126-39.00j.

Reid, Edward A., Jr.; and Cremean, Stephen P., to Davmor Industries, Inc. Radiant cooking apparatus. 3,815,489, 6-11-74, Cl. 99-339.000.

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Reid, Francis R.; and Gwiazdon, Rodney K., to Pillsbury Company, The. Apparatus for inserting pressfit cups into can bodies. 3,840,966, 10-15-74, Cl. 29-208.00b.

Reid, George; and Sortwell, Edwin T., to Nalco Chemical Company. Polymer solution preparation system. 3,807,701, 4-30-74, Cl. 259-4.000.

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Reid, Jay H., to Sears, Roebuck and Co. Knockdown jack assembly. 3,834,669, 9-10-74, Cl. 254-133.000.

Reid, Jay H., to Sears, Roebuck and Co. Tote box attachment for suburban type tractor. 3,847,436, 11-12-74, Cl. 298-1.00e.

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Reid, John D.; Reinhardt, Robert M.; Kullman, Russell M. H.; and Cashen, Norton A., to United States of America, Agriculture, Use of sodium bisulfite in an improved process for the treatment of cellulose textile materials with carbamate finishing agents an sulfurous acid. 3,854,873, 12-17-74, Cl. 8-187.000.

Reid, Kenneth Cathro, to MacFarlan Smith Limited. Purification of P-aminophenol. 3,845,129, 10-29-74, Cl. 260-575.000.

Reid, Laurie M., to Master Packaging Equipment, Inc. Method of and apparatus for shrink packaging. 3,808,767, 5-7-74, Cl. 53-30.000.

Reid, Leroy C., Jr., to United States of America, Health, Education, and Welfare, Individual household aerated waste treatment system. 3,807,563, 4-30-74, Cl. 210-139.000.

Reid, Lloyd E.; and Gudelis, David A., to Esso Research and Engineering Company. Solvent dewaxing of mineral oils. 3,806,442, 4-23-74, Cl. 208-33.000.

Reid, Luther J., Jr.: *See—*
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Reid, Neil George; and Stanley, Raymond Eric, to Jarvis Geochemical Limited and Geochemical Services (Holdings) Limited. Alignment system for the operating conduits of a grab. 3,829,992, 8-20-74, Cl. 37-103.000.

Reid, Paul A.: *See—*
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Reid, Peter, to Westland Aircraft Limited. Helicopter carried scanning antenna. 3,803,614, 4-9-74, Cl. 343-705.000.

Reid, Philip L.; and Holcombe, Edward L., to Grace, W. R., & Co. Closing system for bags and the like. 3,818,574, 6-25-74, Cl. 29-243.570.

Reid, Raymond R.; and Lanpheer, Richard A., to Brunswick Corporation. Exhaust tuning system for two-stroke engines. 3,813,880, 6-4-74, Cl. 60-314.000.

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Reid, Robert John. Method of forming structural joints. 3,854,185, 12-17-74, Cl. 29-155.00r.

Reid, Robert V.; and White, Charles E., to Ford Motor Company. Spare wheel lock assembly. 3,800,574, 4-2-74, Cl. 70-231.000.

Reid, Walter L., Jr.: *See—*
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Reid, William M. Low temperature natural gas transmission. 3,846,994, 11-12-74, Cl. 62-87.000.

Reid, William R., Jr., to Imodco, Inc. Swivel unit for mooring and cargo transfer system. 3,840,927, 10-15-74, Cl. 9-8.00p.

Reidenbach, John R.: *See—*
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Reif, Werner: *See—*
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Reif, William M.; and Lauder, Robert B. Hydroxymethylamino nitrile salts for quenching the fluorescence of optical brightening agents. 3,790,443, 2-5-74, Cl. 162-158.000.

Reif, Winfried: *See—*
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Reifenberg, Gerald H.; and Gitlitz, Melvin H., to M & T Chemicals, Inc. Process for preparing symmetrical triorganolin halides. 3,789,057, 1-29-74, Cl. 260-429.700.

Reifenhaeuser, Toni: *See—*
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Reifenhaeuser, Toni; and Maus, Helmut, to Reifenhaeuser, Toni. Compressing apparatus having a portioning device. 3,823,663, 7-16-74, Cl. 100-97.000.

Reifenhauser, Fritz: *See—*
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Reifenschweiler, Otto, to U.S. Philips Corporation. Ion source. 3,833,829, 9-3-74, Cl. 313-360.000.

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Reiff, Almer A.: *See—*
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Reiff, Helmut, Dieterich, Dieter; and Ziemann, Heinz, to Bayer Aktiengesellschaft. Process for the preparation of 3,5-dimethylpyridine. 3,803,152, 4-9-74, Cl. 260-290.00p.

Reiff, Helmut, to Bayer Aktiengesellschaft. 2-Alkyl-2-mercaptomethyl-1,3-propane diols. 3,821,313, 6-28-74, Cl. 260-609.00r.

Reiff, Helmut; and Dieterich, Dieter, to Bayer Aktiengesellschaft. Process for preparing alpha-methyacrolein. 3,822,316, 7-2-74, Cl. 260-603.00r.

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Reigel, Stanley A.; and Doyle, Charles D., to Standard Havens, Inc. Evaporative cooler. 3,842,615, 10-22-74, Cl. 62-171.000.

Reiger, Franz, to Bosch, Robert, G.m.b.H. Solenoid valve for recycling exhaust gases in internal combustion engines. 3,791,360, 2-12-74, Cl. 123-119.00a.

Reighard, Alan B.: *See*—
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Reighard, Alan B.; and Tamny, Simon Z., to Nordson Corporation. Modular solenoid-operated dispenser. 3,811,601, 5-21-74, Cl. 222-146.0he.

Reighard, Alan B.; and Tamny, Simon Z., to Nordson Corporation. Thermoplastic applicator including a removable filter. 3,815,788, 6-11-74, Cl. 222-146.0he.

Reighard, Alan B.; Rosen, Samuel R., Schroeder, Ronald R.; and Tamny, Simon Z., to Nordson Corporation. Thermoplastic applicator system in which the pump back-pressure controls the dispersing outlet. 3,827,603, 8-6-74, Cl. 222-146.0he.

Reighard, Allan B.: *See*—
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Reigler, Paul F.; and Lamoria, Lz F., to Dow Chemical Company, The. Preparation of non-ether solvated macrocrystalline aluminum hydride. 3,822,342, 7-2-74, Cl. 423-645.000.

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Reijonen, Veli Elias: *See*—
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Reiling, Victor C. Jr., to Quaker Oats Company, The. Wheeled toy vehicle with cam operated oscillating chair and steering wheel. 3,827,179, 8-6-74, Cl. 46-204.000.

Reiling, Victor G., Jr., to Quaker Oats Company, The. Toy desk. 3,827,774, 8-6-74, Cl. 312-230.000.

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Reilly, Richard J.; and Merrill, Glen L. Data logging and organizing machine. 3,806,705, 4-23-74, Cl. 235-61.90r.

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Reimbold, James J., Jr., to Chance, A. B., Company. Convertible sheave assembly for telescoping derricks. 3,819,063, 6-25-74, Cl. 214-3.000.

Reimbold, James J., Jr.; and Kamberg, Willard C., to Chance, A. B., Company. Personnel bucket brake for hydraulic cranes. 3,830,336, 8-20-74, Cl. 182-2.000.

Reimels, Harry G., to Codman & Shurtleff, Inc. Surgical sponge. 3,837,950, 9-24-74, Cl. 156-73.000.

Reimer, Walter E. Vehicle with multiple rocking beam suspension system and steering means. 3,810,516, 5-14-74, Cl. 180-24.000.

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Reimers, James L., to FMC Corporation. High speed container orienting mechanism. 3,834,517, 9-10-74, Cl. 198-266.000.

Reimlinger, Hans Karl; Shanahan, Robert W.; and Vandewalle, Jan Joseph Maurice, to Mallinckrodt Chemical Works. S-triazolo-(3,4-a)-isoquinolines in reducing inflammation. 3,823,238, 7-9-74, Cl. 424-258.000.

Reimold, Dieter, to Rheinhold & Mahla GmbH, Firma. Mixing system for expanding foam and apparatus for applying same. 3,822,041, 7-2-74, Cl. 239-112.000.

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Reimus, Richard G.; and Saporito, Anthony. Ice wash apparatus. 3,783,632, 1-8-74, Cl. 62-123.000.

Rein, Burton Maxwell; and Weinstein, Benjamin, to Mobil Oil Corporation. Aliphatic monoketones as tobacco plant sucker growth control agents. 3,853,532, 12-10-74, Cl. 71-78.000.

Rein, Charles R.; and Jones, Charles B., to United States of America, Navy. Pressure regulator. 3,815,867, 6-11-74, Cl. 251-61.300.

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Reinberg, Alan R.; and Fish, John G., to Texas Instruments Incorporated. Process of fabricating silicon photomask. 3,814,641, 6-4-74, Cl. 156-11.000.

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Reindl, Adole, to United States of America, Army. Digital transmission system. 3,813,601, 5-28-74, Cl. 325-141.000.

Reinecke, Erich: *See*—
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Reinecke, Gunter; and Linke, Dietrich, to Benz & Hilgers GmbH, mesne. Method of and machine for producing sterile packages. 3,820,300, 6-28-74, Cl. 53-29.000.

Reinecke, Herbert; Adler, Kalus; Bauer, Johann; Kretschmer, Reinhard; Lamhofer, Gerhard; and Pichler, Engelbert, to Wacker-Chemie GmbH. Molding compositions based on ethylene-vinyl acetate copolymers and pitch. 3,846,362, 11-5-74, Cl. 260-28.5as.

Reinecke, Udo; Jurgensmann, Helmut; Riedhammer, Josef; Stangl, Helmut; and Beutler, Gerhard, to Orenstein & Koppel Aktiengesellschaft und Brueninghaus Hydraulik GmbH. Hydrostatic reversible vehicle drive controlled by brake application. 3,850,272, 11-26-74 Cl. 192-4.00b.

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Reiner, Lawrence L.; and Brady, William A. Combined game of chance and skill. 3,853,324, 12-10-74, Cl. 273-142.00e.

Reiner, Lawrence O. Fireplace closure apparatus. 3,789,825, 2-5-74, Cl. 126-140.000.

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Reines, Scott A., to United States of America, Navy. 2-[3,5-di(trifluoromethyl)-phenyl] hexafluoro-2-propanol. 3,833,670, 9-3-74, Cl. 260-618.00d.

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Reinhall, Rolf Bertil. Grinding apparatus. 3,790,092, 2-5-74, Cl. 241-38.000.

Reinhall, Rolf Bertil. Device in grinding apparatus for vegetable or fibrous material. 3,847,363, 11-12-74, Cl. 241-245.000.

Reinhard, Clyde. Radiant energy heating system for temperature control of living subjects. 3,789,853, 2-5-74, Cl. 128-399.000.

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Reinhard, Edward J. Tool for adjusting diesel governors. 3,854,464, 12-17-74, Cl. 123-140.00r.

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Reinhardt, Bernd M.; and Thomas, James, to Eastman Kodak Company. Explosion relief wall supporting fastener. 3,807,106, 4-30-74, Cl. 52-98.000.

Reinhardt, Friedrich; and Roth, Kurt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Dyeing polyesters or cellulosic esters with printing paste containing butane diol polyglycol ether and naphthol polyglycol ether. 3,844,710, 10-9-74, Cl. 8-62.000.

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Reinis, Gedeminas J. Image fixing method. 3,793,017, 2-19-74, Cl. 96-1.00m.

Reinis, Gedeminas J., to Xerox Corporation. Imaging system. 3,846,127, 11-5-74, Cl. 96-1.00m.

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Reither, Karl, to Kunststofftechnik G.m.b.H. & Co. KG. Wet scrubber for air purifying systems. 3,795,089, 3-5-74, Cl. 55-227.000.
Reither, Thomas D.; and Trease, Ralph E., to Owens-Illinois, Inc. Hypodermic syringe with improved adhesive. 3,788,321, 1-29-74, Cl. 128-221.000.
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Reitz, Johannes; and Frese, Hans Jurgen, to Schmidt, Karl, GmbH. Light alloy piston for rotary engines. 3,802,810, 4-9-74, Cl. 418-61.00a.
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Rejsa, Jack J., to Pillsbury Company, The. Apparatus for feeding flattened, tubular container blanks. 3,783,753, 1-8-74, Cl. 93-58.100.
Rejsa, Jack J., to Pillsbury Company, The. Dough lapping apparatus. 3,804,637, 4-16-74, Cl. 99-450.100.
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Remillieux, Paul, to Societe Anonyme D.B.A. Operating device for an assisted system with an energy accumulator. 3,838,572, 10-1-74, Cl. 60-400.000.
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Renault, Philippe; Deschamps, Andre; and Dezael, Claude, to Institut Francais du Petrole, des Carburants et Lubrifiants. Removal of the hydrogen sulfide contained in a gas of high carbon dioxide content. 3,833,714, 9-3-74, Cl. 423-567.000.

Renault, Philippe; Deschamps, Andre; and Dezael, Claude, to Institut Francais du Petrole, des Carburants et Lubrifiants. Process for purifying gases containing sulphur compounds and recovering elemental sulphur. 3,845,197, 10-29-74, Cl. 423-575.000.

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Renfrew, Edgar Earl, to American Aniline Products, Inc. Polyester fibers dyed with methylidynebis pyrazolone dyestuffs. 3,785,769, 1-15-74, Cl. 8-179.000.

Renfrew, Edgar Earl, to American Aniline Products, Inc. Polyester textile fibers dyed with thiazole or benzothiazole carbazole dyes. 3,787,178, 1-22-74, Cl. 8-41.00c.

Renfrew, Edgar Earl; and Zanella, Dominic Andrew, to American Aniline Products, Inc. Yellow polyester fabric material and dyeing process therefor. 3,801,270, 4-2-74, Cl. 8-41.00c.

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Renfroe, Walter D., to Terra Marine Scoop Company, Inc. Floating drag scoop. 3,804,177, 4-16-74, Cl. 172-26.500.

Renfrow, Donald F., to Recognition Equipment Incorporated. Batch to continuous flow mail handling. 3,854,613, 12-17-74, Cl. 214-314.000.

Renga, Fred L.: *See*—
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Renholts, Roy J., to Hygrometrics, Inc. Linear action hygrometer. 3,797,313, 3-19-74, Cl. 73-337.000.

Reni, Cesare; Lugo, Luigi; and Gualdi, Giorgio, to Societa' Italiana S.I.R. S.p.A. Process for the manufacture of dichloroethane. 3,816,554, 6-11-74, Cl. 260-659.00a.

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Reniker, Donald K. Straight-edge for applying wood shingles and shakes on vertical surfaces. 3,792,852, 2-19-74, Cl. 269-95.000.

Renirie, Fredericus Hendricus Ignatius: *See*—
Aten, Albert Christiaan; Van Santen, Gerrit; and Renirie, Fredericus Hendricus Ignatius, 3,812,346.

Renius, Otto, to United States of America, Army. Laser illumination thermal imaging device for nondestructive testing. 3,808,439, 4-30-74, Cl. 250-334.000.

Renius, Otto; and Bremerkamp, Wilbert W., to United States of America, Army. Radiant energy suppressor. 3,817,030, 6-18-74, Cl. 60-272.000.

Renjilian, Armen, to Albany International Corporation. Fibrous product. 3,834,547, 9-10-74, Cl. 210-497.100.

Renk, Richard J.: *See*—
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Renk, Rolf, to General Motors Corporation. Safety device for vehicles, particularly motor vehicles, for automatically switching off the current supply or shutting off the fuel line. 3,840,036, 10-8-74, Cl. 137-38.000.

Renkl, Hans-Dieter, to Deutsche Acheson GmbH. Apparatus for producing hollow glass objects. 3,801,299, 4-2-74, Cl. 65-169.000.

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Renn, Donald W.; and Forget, Ronald D., to Marine Colloids, Inc. Method of making hydratable gel sheets. 3,837,960, 9-24-74, Cl. 156-253.000.

Renn-Cupit Industries Ltd.: *See*—
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Renna, Fernando, 20% to Lee, Raymond, Organization, Inc., The. Hockey player training device. 3,841,630, 10-15-74, Cl. 273-1.00b.

Renna, Nicholas, Jr.; Madison, Theodore C.; and Harvey, Bernard A., to United States of America, Navy. Shock hardened transducer. 3,846,744, 11-5-74, Cl. 340-10.000.

Rennard, Raymond J., Jr.: *See*—
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Rennels, William Marion. Motorcycle handle signal control retatable or depressible to actuate signal controlling switches. 3,805,003, 4-16-74, Cl. 200-157.000.

Renner, Alfred; and Seiz, Wolfgang, to Ciba-Geigy Corporation. Methylolglycidyl ethers. 3,784,584, 1-8-74, Cl. 260-830.0tw.

Renner, Alfred; and Haug, Theobald, to Ciba-Geigy Corporation. Storage stable mixtures of bis or tris imides and polyamines. 3,849,374, 11-19-74, Cl. 260-47.0cp.

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Breitschwerdt, Werner; and Renner, Hermann, 3,820,621.

Renner, Hermann; and Sacco, Bruno, to Daimler-Benz Aktiengesellschaft. Vehicle door, especially for passenger motor vehicles. 3,808,743, 5-7-74, Cl. 49-502.000.

Renner, Hermann, to Daimler-Benz Aktiengesellschaft. Motor vehicle roof. 3,833,254, 9-3-74, Cl. 296-137.00r.

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Rennick, Leonard E., to Sun Oil Company. Hydroformylation of internal olefins. 3,825,601, 7-23-74, Cl. 260-604.0hf.

Rennick, Lyle V.; and Mitchael, William L., to Northrop Corporation. Apparatus for precisely indicating position of rotational machinery. 3,813,931, 6-4-74, Cl. 73-116.000.

Rennick, Robert Dexter; and Reed, Homer Charles, to Kerr-McGee Chemical Corporation. Oxidation of ferric chloride. 3,830,905, 8-20-74, Cl. 423-633.000.

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Rennie, John Coyne. Self-contained navigation system. 3,786,505, 1-15-74, Cl. 343-7.0ed.

Rennolds, Philip Jackson, to Du Pont de Nemours, E. I., and Company. Phosphorus-modified ferromagnetic chromium dioxide. 3,811,942, 5-21-74, Cl. 117-235.000.

Reno, Frederick. Clutch actuating mechanism with automatically determined free play. 3,788,438, 1-29-74, Cl. 192-110.00r.

Reno, Frederick, to Ford Motor Company. Device for predetermining initial free play in clutch actuating mechanisms. 3,795,295, 3-5-74, Cl. 192-110.00r.

Reno, William H.; and Westinghouse Air Brake Company. Hose connector having means for operating electrical contacts. 3,812,444, 5-21-74, Cl. 339-15.000.

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Renshaw, John H., to Lockheed Aircraft Corporation. Boundary layer air control mechanism for aircraft. 3,790,107, 2-5-74, Cl. 244-42.0cc.

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Renth, Ernst-Otto; Schromm, Kurt; and Mentrup, Anton, to Boehringer Ingelheim GmbH. Process for preparation of derivatives of L-tyrosine. 3,855,062, 12-17-74, Cl. 195-2.000.
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Repsher, Robert W.; Gainer, Gordon C.; Luck, Russell M.; and Davies, David H., to Westinghouse Electric Corporation. Coating composition and method for preparing water-soluble cellulosic polymer coating compositions for coating fluorescent tubes. 3,833,392 9-3-74, Cl. 106-193.000.
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Reswick, James B., to Attending Staff Association of Rancho Los Amigos Hospital. Flotation bed. 3,803,647, 4-16-74, Cl. 5-348.0wb.
Resz, Raoul: *See—*
Striegler, Hellmut; Resz, Raoul; and Bartl, Herbert, 3,801,428.
Reszka, Alfons: *See—*
Alexander, Thomas Theron; Reszka, Alfons; and Stenerson, Charles Keith, 3,832,637.
Retali, Roger; Chielens, Alain; and Boussekey, Bernard, to Fives-Lille-Cail. Support for tubular rotary kiln. 3,836,103, 9-17-74, Cl. 248-130.000.
Retallack, Robert L. Electric railroad system with elevated conductor alongside the track. 3,829,631, 8-13-74, Cl. 191-66.000.
Retention Communication Systems, Inc.: *See—*
Catalano, Paul D.; Buten, Norman; Eash, George H.; and Emanuel, Frank V., 3,787,114.
Reterson, Ronald Thomas; and Stein, Israel Mayer, to Clinical Data Services, Inc. Method and system for display of electrocardiographic (egg) signals. 3,853,119, 12-10-74, Cl. 128-2.06r.
Reth, Erich, to DEMAG Aktiengesellschaft. Method and apparatus for finishing a rolling bar using a displaceable intermediate stand between two end roll stands. 3,851,510, 12-3-74, Cl. 72-12.000.
Rethmeier, Gerhard: *See—*
Michaelis, Heinz; Rethmeier, Gerhard; and Schmieder, Fritz, 3,801,774.
Reti, Adrian: *See—*
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Reticon Corporation: *See—*
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Weckler, Gene P.; and Snow, Edward H., 3,822,362.
Retobobina: *See—*
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Retrum, Rowland, to Ralston Purina Company. Feather crusher compactor. 3,830,150, 8-20-74, Cl. 99-467.000.
Retsel Inc.: *See—*
Sargent, Robert J., 3,785,694.

Rettedal, Cecil D. Golf ball picker and collector. 3,825,136, 7-23-74, Cl. 214-350.000.

Rettig, Charles E., to Allis, Louis, Company, The. Variable speed motor and drive circuit. 3,789,290, 1-29-74, Cl. 321-5.000.

Rettig, Charles E., to Allis, Louis, Company, The. Regenerative chopper circuitry. 3,793,578, 2-19-74, Cl. 321-44.000.

Rettig, Charles E., to Allis, Louis, Company, The. Compensated adjustable frequency power supply of the inverter type. 3,829,754, 8-13-74, Cl. 321-2.000.

Retzer, Kenneth W.: *See*—
Kampf, Julian C.; and Retzer, Kenneth W., 3,790,862.
Meyer, Charles F.; and Retzer, Kenneth W., 3,809,958.

Retzler, William, to Colibri Lighters Limited. Automatic cigarette lighter. 3,817,692, 6-18-74, Cl. 434-131.000.

Retzloff, Russell C.: *See*—
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Reuchlein, Gunter: *See*—
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Reuchlein, Gunter, to M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Double-acting gas multi-cylinder external combustion engine. 3,820,331, 6-28-74, Cl. 60-525.000.

Reudink, Douglas Otto John: *See*—
Cox, Donald Clyde; and Reudink, Douglas Otto John, 3,794,766.

Reudink, Douglas Otto John, to Bell Telephone Laboratories, Incorporated. Approximate cophasing for diversity receivers. 3,798,547, 3-19-74, Cl. 325-305.000.

Reufer, Christian; and Guldenfels, Dieter, to Rieter Machine Works Ltd. and Societe de la Viscose Suisse. Method of pneumatically controlling a thread or a thread bundle guided at right angles with respect to at least one airstream and apparatus for implemnting the method. 3,850,025, 11-26-74, Cl. 73-37.700.

Reul, Bernhard: *See*—
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Reulon-Realistic Professional Products, Inc.: *See*—
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Reunanen, Matti. Method and apparatus for removing undesirable soluble substances from chemical compositions. 3,814,581, 6-4-74, Cl. 23-230.00r.

Reuschel, Konrad: *See*—
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Reuschel, Konrad; and Dietze, Wolfgang, to Siemens Aktiengesellschaft. Method of producing a hollow body of semiconductor material. 3,853,974, 12-10-74, Cl. 264-81.000.

Reuss, Guenter: *See*—
Petersen, Harro; Ruemens, Wilhelm; Bille, Heinz; and Reuss, Guenter, 3,801,546.

Reuss, Helmut: *See*—
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Reusser, Fritz: *See*—
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Coats, John H.; Meyer, Curtis E.; and Reusser, Fritz, 3,833,723.

Reusser, Fritz; and Argoudelis, Alexander D., to Upjohn Company, The. Process for preparing lincomycin. 3,833,475, 9-3-74, Cl. 195-80.00r.

Reusser, Robert E.: *See*—
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Reusser, Robert E.; and Turk, Stanley D., to Phillips Petroleum Company. Olefin disproportionation catalyst. 3,786,112, 1-15-74, Cl. 260-683.00d.

Reusser, Robert E., to Phillips Petroleum Company. Conversion of olefins. 3,836,480, 9-17-74, Cl. 252-439.000.

Reuter, Albert: *See*—
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Reuter, Alfred, to Gebruder Linck. Tool heads for use in machining timber. 3,812,891, 5-28-74, Cl. 144-3.00r.

Reuter, Alfred, to Gebruder Linck. Tool heads for use in machining timber. 3,814,155, 6-4-74, Cl. 144-219.000.

Reuter, Floyd W., to Massey-Ferguson Inc. Knife edge grinder for rotary reel type cutter head. 3,811,232, 5-21-74, Cl. 51-249.000.

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Reuter, James L.; and Sandhu, Jagtar S., to Cogar Corporation. Apparatus for producing ion-free insulating layers. 3,828,722, 8-13-74, Cl. 118-48.000.

Reuter, Peter; and Friedrichsen, Wilhelm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Supported catalysis containing vanadium pentoxide and zirconium dioxide. 3,830,755, 8-20-74, Cl. 252-456.000.

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Reutlinger, Wolf-Dieter, to Reutlinger, Dr., & Sohne. Compensation of unbalance in rotary bodies. 3,817,149, 6-18-74, Cl. 90-11.00e.

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Reutter, Hans; Sendlinger, Fritz; and Alix, Hans, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Sheet stacking devices for printing machines. 3,796,427, 3-12-74, Cl. 271-189.000.

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Revazov, Vyacheslav Georgievich: *See*—
Mikhailov, Evgeny Leonidovich; Boiko, Valery Ivanovich; Nikolaev, Peter Ivanovich; Melnikov, Innokenty Alexandrovich; Eremin, Vladimir Alexandrovich; Revazov, Vyacheslav Georgievich; Jurievich, Jury Iosifovich; and Losev, Gennady Evgenievich, 3,815,879.

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Reverman, Lawrence Francis: *See*—
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Revill, Howard B., to USM Corporation. Insole and method of making same. 3,835,558, 9-17-74, Cl. 36-44.000.

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Revor, Arthur L. Air motion apparatus. 3,786,583, 1-22-74, Cl. 40-39.000.

Revord, Orville J. Gypsum-based building product and method of producing same. 3,809,566, 5-7-74, Cl. 106-110.000.

Revroth, G. L., GmbH: *See*—
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Taylor, Robert F.; Strow, Donald A.; and Mansouri, Hosein, 3,850,804.

Rex, Maurice W., Jr., to Upjohn Company, The. Data recorder. 3,845,278, 10-29-74, Cl. 235-61.60e.

Rexall Drug and Chemical Company: *See*—
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Rexford, Willis Ernest, to Marx, Louis, & Co., Inc. Model train sound simulator. 3,839,822, 10-8-74, Cl. 46-232.000.

Rexham Corporation: *See*—
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Davis, D. Carter; Sawant, Ulhas S.; and Scaffidi, Francis, 3,797,760.
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Rey, Andre Rene. Bisecting plane rotary motion transmission device. 3,789,625, 2-5-74, Cl. 64-21.000.

Rey, Hans-Georg: *See*—
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Rey, Maurice; and Formanek, Victor, to Le Nickel and 1/2 to Societe Miniere et Metallurgique de Penarroya. Method for the recovery of nickel from mixed ores. 3,801,306, 4-2-74, Cl. 75-82.000.

Rey, Maurice; and Formanek, Victor, to Le Nickel and Societe Miniere et Metallurgique de Penarroya. Method for producing nickel by segregation of nickel oxide ores. 3,841,864, 10-15-74, Cl. 75-101.00r.

Rey, Michel, to Creusot-Loire. Apparatus for rotatably supporting a workpiece during tempering. 3,799,361, 3-26-74, Cl. 214-1.0gc.

Rey, Paul R., to United Aircraft Corporation. Battery peaking unit for fuel cell power plants. 3,823,358, 7-9-74, Cl. 320-3.000.

Rey-Bellet, Gerald; and Spiegelberg, Hans, to Hoffmann-La Roche Inc. Intermediates for tricyclic amines. 3,822,322, 7-2-74, Cl. 260-649.00r.

Rey-Bellet, Gerald; and Spiegelberg, Hans, to Hoffmann-La Roche Inc. Dibenzo (a,d) cycloheptene-10-carbonitriles. 3,845,093, 10-29-74, Cl. 260-465.00f.

Reyhing, Jorg; and Rohde, Wilhelm, to Linde Aktiengesellschaft. Process and apparatus for the adsorptive purification of gases. 3,808,773, 5-7-74, Cl. 55-31.000.

Reyland, James Nicholas, to International Telephone and Telegraph Corporation. Automatic mold indexing device. 3,794,152, 2-26-74, Cl. 198-20.000.

Reymore, Harold E., Jr.; Sayigh, Adnan A. R.; and Grieve, Robin L. Polyisocyanurate foam articles. 3,836,424, 9-17-74, Cl. 161-159.000.

Reynard, Fred T.; Feldpush, Donald E.; and Schibinger, Joseph S., to Burroughs Corporation. Two bit binary divider. 3,852,581, 12-3-74, Cl. 235-164.000.

Reynard, John M.: *See*—
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Reynard, John M., to Polaroid Corporation. Photograph album page. 3,831,301, 8-27-74, Cl. 40-104.180.

Reynard, Kennard A.: *See*—
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Rose, Selwyn H.; and Reynard, Kennard A., 3,856,713.

Reynard, Kennard A.; and Rose, Selwyn H., to Horizons Incorporated; a division of Horizons Research Incorporated. Room temperature curing poly (fluoroalkoxyphosphazene) copolymers and terpolymers. 3,844,983, 10-29-74, Cl. 260-2.00p.

Reynard, Kennard A.; and Rose, Selwyn H., to Horizons Incorporated, a division of Horizons Research Incorporated. Alkylaryloxyphosphazene polymers. 3,853,794, 12-10-74, Cl. 260-2.00p.

Reynard, Kennard A.; and Rose, Selwyn H., to Horizons Incorporated; a division of Horizons Research Incorporated. Poly(alkoxyaryloxyphosphazene) elastomers. 3,856,712, 12-24-74, Cl. 260-2.00p.

Reynard, Remi: *See*—
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Chevalier, Andre; Grolet, Pierre; and Reynard, Remi, 3,799,587.
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Reynard, Remi; and Grolet, Pierre, to Institut Francais du Petrole des Carburants et Lubrifiants. Device for positioning the turns formed by a coiled flexible elongated member stored in a rotatable annular basket of vertical axis. 3,817,466, 6-18-74, Cl. 22-54.000.

Reynaud, Albert H.: *See*—
Mar, John; Garrett, Todd; Reynaud, Albert H.; Vigneron, Frank; and Gerrish, Robert J., 3,803,540.

Reynaud, Marc. Device for milling and taking impression for the placing of peg teeth. 3,832,779, 9-3-74, Cl. 32-48.000.

Reyner, Emerson Marshall, II: *See*—
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Reyner, Emerson Marshall, II; and Boger, Jerry Hench. Low attenuation flat flexible cable. 3,818,117, 6-18-74, Cl. 174-36.000.

Reynier, Jacques, to Saft-Societe des Accumulateurs Fixes et de Traction. Assembly arrangement for electrode plates of electrochemical generators. 3,795,892, 3-5-74, Cl. 339-244.00r.

Reyniers, Albert August; Van Goethem, Hugo Vital; and Verelst, Johan Lodewijk, to Gevaert-Agfa N.V. Photochemical reproduction process. 3,793,026, 2-19-74, Cl. 96-49.000.

Reynolds, Allan L., to International Telephone and Telegraph Corporation. Apparatus and a method for employing said apparatus to determine the low field resistance of DC-biased gunn diodes. 3,783,382, 1-1-74, Cl. 324-158.00d.

Reynolds, Allan L., to United Aircraft Corporation. Microwave cavity tuning loop including a varactor. 3,789,322, 1-29-74, Cl. 331-96.000.

Reynolds, Alvin E.: *See*—
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Reynolds, Beverly L., to Cybersol, Inc. Therapeutic composition. 3,821,368, 6-28-74, Cl. 424-128.000.

Reynolds, Blake: *See*—
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Reynolds, Carl D.: *See*—
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Reynolds, Charles A., Jr.: *See*—
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Reynolds, Charles Edward; and Gombar, Eugene Leonard, to AMP Incorporated. Connecting device for printed circuit board. 3,784,955, 1-8-74, Cl. 339-17.00r.

Reynolds, Charles Edward; and Woolley, Harold Oakley, Jr., to AMP Incorporated. Multiple circuit selector switch assembly having movable contact means adapted to retain itself in closed circuit position. 3,854,018, 12-10-74, Cl. 200-5.00a.

Reynolds, Clarke: *See*—
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Reynolds, Clifton J.: *See*—
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Reynolds, David A.: *See*—
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Reynolds, David J., to Buckeye Steel Castings Company. Cushion mounting bearing adapter for railway trucks. 3,785,298, 1-15-74, Cl. 105-218.00r.

Reynolds, David J., to Buckeye Steel Castings Company. Center brace trailer and center plate assembly. 3,797,674, 3-19-74, Cl. 213-57.000.

Reynolds, David L.; Youngblood, Douglas J.; Bunn, Dorrance P., Jr.; and Pratt, Roy E., to Texaco Inc. Catalytic cracking of naphtha and gas oil. 3,784,463, 1-8-74, Cl. 208-74.000.

Reynolds, David W.: *See—*
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Reynolds, Delbert Daniel; and Cossar, Bernard Calvin, to Eastman Kodak Company. Oxazines and mono (secondary aminomethyl) hydroquinones and process for their preparation. 3,825,538, 7-23-74, Cl. 260-244.00r.

Reynolds, Dennis J. Apparatus for forming a hole in a pipe. 3,821,965, 7-2-74, Cl. 137-318.000.

Reynolds, Dwight W.: *See—*
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Reynolds, Edgar M.: *See—*
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Reynolds, Frank J. Hollow tube of variable exterior dimensions. 3,826,285, 7-30-74, Cl. 138-103.000.

Reynolds, George A.: *See—*
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Reynolds, George A., to Eastman Kodak Company. Pyrylium dyes having a fused, regidized nitrogen containing ring. 3,822,270, 7-2-74, Cl. 260-287.00r.

Reynolds, George O.; Boardman, John D.; and Smith, Albert E., to Technical Operations, Incorporated. Microdensitometer having linear response. 3,802,784, 4-9-74, Cl. 356-201.000.

Reynolds, Gibson: *See—*
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Reynolds, Gordon S.: *See—*
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Reynolds, Harold C.; and Olsen, Donald B., to Armour Pharmaceutical Company. Pharmaceutical compositions containing the reaction product of a tertiary phosphine with thyroxine. 3,808,332, 4-30-74, Cl. 424-198.000.

Reynolds, Hugh B., to General Electric Company. Method of manufacturing a laminated assembly. 3,845,547, 11-5-74, Cl. 29-596.000.

Reynolds International, Inc.: *See—*
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Beeler, Leland Stanford, 3,823,079.

Reynolds, Jack D. Fish de-hooker. 3,807,080, 4-30-74, Cl. 43-53.500.

Reynolds, James Edward, to Kerr-McGee Chemical Corporation. Purification of magnesium perchlorate. 3,843,500, 10-22-74, Cl. 204-82.000.

Reynolds, James Francis: *See—*
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Reynolds, John Spackman, to General Electric Company Limited, The. Communication scrambler system. 3,808,536, 4-30-74, Cl. 325-32.000.

Reynolds, John Windley, to Cominco, Ltd. Rock sampling tool. 3,843,198, 10-22-74, Cl. 299-18.000.

Reynolds, Keith R.: *See—*
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Reynolds Leasing Corporation, mesne: *See—*
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Reynolds, Martin Lance; and Hammersmith, James R., to Brown & Williamson Tobacco Corporation. Tobacco smoke filter. 3,800,808, 4-2-74, Cl. 131-267.000.

Reynolds Metals Company: *See—*
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Reynolds, Stuart Arthur; and Story, Hugh Goodman, to S.A. Texaco Belgium N.V. Floating roof tank level alarm. 3,800,911, 4-2-74, Cl. 182-18.000.

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Ribbans, Robert Clark, III, to Du Pont de Nemours, E. I., and Company. Glass fabric coated with crack-free fluorocarbon resin. 3,790,403, 2-5-74, Cl. 117-76.00t.
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Rice, Kenneth T., Jr., to Westinghouse Electric Corporation, Apparatus and method for shaping end turns of coils in dynamo-electric machine cores, 3,841,133, 10-15-74, Cl. 72-168.000.
Rice, Leonard M., to Geschickter Fund for Medical Research, Silicon substituted azaspiranes, 3,812,113, 5-21-74, Cl. 260-240.00r.
Rice, Leonard M., to Geschickter Fund for Medical Research, Silicon and germanium substituted azaspiranes, 3,825,546, 7-23-74, Cl. 260-293.660.
Rice, Leonard M., to Tri-Kem Corporation, Therapeutic composition and method for its use, 3,829,569, 8-13-74, Cl. 424-232.000.
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Rich, Barry S., to Ultronic Systems Corporation, Format hard copy display apparatus for a data processing printout system, 3,805,249, 4-16-74, Cl. 340-172.500.
Rich, Barry S., to Ultronic Systems Corporation, Partial message erase apparatus for a data processing printout system, 3,805,250, 4-16-74, Cl. 340-172.500.
Rich, Barry S., to Ultronic Systems Corporation, Line processing apparatus for a data processing printout system, 3,812,466, 5-21-74, Cl. 340-172.500.
Rich, Charles M., to Akzona Incorporated, Yarn driven friction falsetwister, 3,816,989, 6-18-74, Cl. 57-34.0hs.
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Rich, Colin Vestey, to Tate & Lyle Limited, Absorptiometers, 3,806,258, 4-23-74, Cl. 356-226.000.
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Rich, Gerald C., to Rich Laboratories, Inc, Automatic switching and short circuit protection circuit, 3,818,272, 6-18-74, Cl. 317-20.000.
Rich, Harold T.; and Wolf, Terrence L., to Airco, Inc, System for changing the static electrical charge of CO_2 ice particles, 3,786,644, 1-22-74, Cl. 62-10.000.
Rich, Harry M., to Rum Partitions Limited, Locking device for sliding panels, 3,848,908, 11-19-74, Cl. 292-189.000.
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Rich, Joseph A., to General Electric Company, Series multiple break vacuum arc discharge devices, 3,798,484, 3-19-74, Cl. 313-198.000.
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Rich, Scott Rayfield, Frame assembly for mobile structures, 3,829,115, 8-13-74, Cl. 280-34.00a.
Rich, Stanley R.; and Pantazelos, Theophanes G, Method and apparatus for high efficiency removal of gases and particles from paper pulp suspensions and other fluids, 3,807,142, 4-30-74, Cl. 55-191.000.
Rich, Theodore A., to Environment/One Corporation, Amplifying and holding measurement circuit, 3,790,887, 2-5-74, Cl. 324-111.000.
Rich, Theodore A., to Environment/One Corporation, Expansion apparatus for condensation nuclei monitor, 3,813,991, 6-4-74, Cl. 91-31.000.
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Rich, Wolfgang, to Eberspacher, J, Space heater construction particularly for motor vehicles, 3,828,761, 8-13-74, Cl. 126-90.00r.
Richard, Albert R., to Richards Micro-Tool Co., Inc, Centerless grinding apparatus, 3,857,204, 12-31-74, Cl. 51-103.0wh.
Richard, Clyde C., Jr.; and Vranos, Alexander, to United Aircraft Corporation, Piloting flameholder for jet engine, 3,831,375, 8-27-74, Cl. 60-39.72r.
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Richard, George E.; and Richard, Eugene D, Method of surf generation, 3,789,612, 2-5-74, Cl. 61-1.000.
Richard, George E.; and Richard, Eugene D, Method of surf generation, 3,793,534, 2-19-74, Cl. 307-118.000.
Richard, Gilbert Gerard, to Cheminees Richard LeDroff S.A, Device for channeling the flow of gases in the throat of a chimney and for regulating the draught, 3,802,415, 4-9-74, Cl. 126-120.000.
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Richard, Jimmy W., to Conveyor Line Products, Inc, Bean sizer and broken bean eliminator, 3,827,554, 8-6-74, Cl. 209-96.000.
Richard, Joseph D, Delayed bait dispenser, 3,842,529, 10-22-74, Cl. 43-44.990.
Richard, Joseph D, Method for determining direction and speed of ocean currents, 3,854,333, 12-17-74, Cl. 73-170.00a.
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Richard, Pierre, to Jap S.A, Watch dial with integrally formed raised symbols, 3,803,833, 4-16-74, Cl. 58-127.00r.
Richard, Roger; and Brugger, Robert Eugene, Leaching chamber, 3,820,341, 6-28-74, Cl. 61-13.000.
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Hefrick, Ross M.; and Richard, William R., Jr., 3,843,591.
McManimie, Robert J.; and Richard, William R., Jr., 3,798,288.
Richard, Yves Robert; Le Roi, Marly; and Mignot, Jean Marcel, to Degremont Societe Generale d'Epuration et d'Assainissement, Method and apparatus for treating liquids, 3,788,981, 1-29-74, Cl. 210-20.000.
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Richards, Albert G, Variable depth laminagraphy, 3,818,220, 6-18-74, Cl. 250-323.000.
Richards, Albert Z., Jr.; and Madsen, Lynn S, Composter, 3,837,810, 9-24-74, Cl. 23-259.100.
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Richards, Carl H., Jr., to Richard's Quality Bedding Company, Mattress cover construction, 3,818,521, 6-25-74, Cl. 5-345.00r.
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Richards, David Hugh; Scilly, Norman Frederick; Williams, Frances Joan; and Williams, Raymond Lloyd, to National Research Development Corporation, Polymers made from unsaturated monomers and polar substituted saturated monomers, 3,803,110, 4-9-74, Cl. 260-9.50a.
Richards, David O.; Beeson, Robert J.; and Kissell, Ronald E., to Owens-Corning Fiberglas Corporation, Method for forming a tubular fibrous body, 3,794,708, 2-26-74, Cl. 156-189.000.
Richards, David W.: *See*—
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Richards, Dennis Maunder, to English Clays Lovering Pochin & Company Limited, Roads, airfield runways and the like, 3,824,109, 7-16-74, Cl. 106-281.00r.
Richards, Edward F.; and Depperman, Warren B., to Martin-Marietta Corporation, High speed fluidic devices, 3,825,739, 7-23-74, Cl. 235-201.0pf.
Richards, Edward M., to Redactron Corporation, Typewriter controlled by a record medium, 3,823,805, 7-16-74, Cl. 197-19.000.
Richards, Edward M., to Redactron Corporation, Automatic underlining in an automated typewriter system, 3,844,397, 10-29-74, Cl. 197-19.000.
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Richards, Gary E.: *See*—
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Richards, Hugh Colin, to Pfizer Inc, 2-Aminoalkyl tetrahydroquinolines, 3,821,228, 6-28-74, Cl. 260-288.00r.
Richards, James C.: *See*—
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Richards, John G., to Wagner Electric Corporation. Alternator rectifier. 3,812,390, 5-21-74, Cl. 310-68.00d.
Richards, John O. Rope holding device. 3,835,507, 9-17-74, Cl. 24-134.00r.
Richards, Lawrence L., to Autoquip Corporation. Wheel activator for ambulatory truck loading elevator. 3,806,092, 4-23-74, Cl. 254-122.000.
Richards, Lawrence L., to Autoquip Corporation. Deflection safety control for platform of vertical rising lift. 3,835,957, 9-17-74, Cl. 182-19.000.
Richards, Lawrence L.; and Gould, Ronald R., to Autoquip Corporation. Safety lock for bascule bridge. 3,848,288, 11-19-74, Cl. 14-41.000.
Richards, Lee Wise. Electronic telephone trunk circuit. 3,838,224, 9-24-74, Cl. 179-18.0ah.
Richards, Lorenzo A. Temperature and salinity compensation for soil water sensitive resistors. 3,782,179, 1-1-74, Cl. 73-73.000.
Richards, Lorenzo Willard; and Mudgett, Peter S., to Cabot Corporation. Method and apparatus for sulfuric acid aerosol analysis. 3,838,972, 10-1-74, Cl. 23-232.00r.
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Treace, Harry T., 3,790,249.
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Richards, Oran D. Hand grip testing device for body weighing scales. 3,848,468, 11-19-74, Cl. 73-380.000.
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Richards, Ronald A., 20% interest to Lee, Raymond, Organization, Inc., The. Grass catcher for lawn trimming shears. 3,823,472, 7-16-74, Cl. 30-131.000.
Richards, Roy C.; Le Masters, Paul D.; Shearer, James E.; Edison, Lamonte; and Auzins, John, to General Motors Corporation. Internal combustion engine ignition system. 3,838,672, 10-1-74, Cl. 123-148.00e.
Richards, Russell L.; and Gundersen, Kaare R. Method and apparatus to determine activities of a natural aquatic population of microscopic organisms. 3,845,303, 10-29-74, Cl. 250-303.000.
Richards, Warren, to Pharma Plastics, Incorporated. Locking cap for a container. 3,799,392, 3-26-74, Cl. 220-60.000.
Richards, Wilfred Arthur, to Plessey Handel und Investments A.G. Artificial tooth structure. 3,827,145, 8-6-74, Cl. 32-10.00a.
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Richardson, Donald. Braiding machine. 3,783,736, 1-8-74, Cl. 87-29.000.
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Richardson, Edwin Allen, to Shell Oil Company. Temporarily plugging and earth formation with a transiently gelling aqueous liquid. 3,815,681, 6-11-74, Cl. 166-281.000.
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Richardson, John Lloyd; Segovia, Gilbert; Ju, Fred; and Bachle, Wilfred Hugo, to Philco-Ford Corporation. Composite coiled membrane assembly. 3,784,470, 1-8-74, Cl. 210-321.000.
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Richardson, Kenneth. Line laying apparatus. 3,851,489, 12-3-74, Cl. 61-72.600.
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Richardson, Raymond H., to Interlake, Inc. Load carrier and transfer car control. 3,797,678, 3-19-74, Cl. 214-16.40b.
Richardson, Raymond H., to Interlake, Inc. Vehicle power system. 3,846,595, 11-5-74, Cl. 191-3.000.
Richardson, Raymond W., to Richardson Manufacturing Company, Inc. Device for attaching tine extensions to cutter bar. 3,788,051, 1-29-74, Cl. 56-318.000.
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Richardson, Rolland A., to Pacific Press & Shear Corporation. Compensated series hydraulic system. 3,805,530, 4-23-74, Cl. 60-560.000.
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Richardson, William B. Collapsible container for auto trunk. 3,800,990, 4-2-74, Cl. 224-42.42r.
Richardson, William D.; and Zurawski, Ronald A., to Tuthill Pump Company. Quick attachable enclosure for conduits. 3,799,207, 3-26-74, Cl. 138-89.000.
Richardson, William D., to Tuthill Pump Company. Connecting plug for testing tubes and with internal valve therein. 3,825,223, 7-23-74, Cl. 251-149.600.
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Richeson, William E., Jr., to Minnesota Mining and Manufacturing Company. Regulated, controlled-rectifier power supply. 3,831,077, 8-20-74, Cl. 321-2.000.
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Riedel, John Y., to Bateman, James H. Cast mold of Cu-Sn-Ni alloy. 3,817,487, 6-18-74, Cl. 249-135.000.
Riedel, Oswald: *See*—
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Riedel, Rudolf: *See*—
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Riedel, Rudolf; Zelder, Felix; and Gilles, Horst, to Seitz-Werke G.m.b.H. Control arrangement for a vessel filling machine. 3,789,889, 2-5-74, Cl. 141-140.000.
Riedel, Rudolf; and Zelder, Felix, to Seitz-Werke G.m.b.H. Rotating vessel processing machine, especially vessel filling machine. 3,789,890, 2-5-74, Cl. 141-144.000.
Riedel, Wolfgang: *See*—
Reinsch, Herbert; and Riedel, Wolfgang, 3,814,512.
Riedel, Wolfgang, to Bosch, Robert, Photokino GmbH. Means for transporting motion picture film or the like. 3,787,005, 1-22-74, Cl. 242-205.000.
Riedel, Wolfgang, to Bosch, Robert, Photokino GmbH. Cartridge-loaded motion picture projector. 3,811,758, 5-21-74, Cl. 352-72.000.
Riedel, Wolfgang, to Bosch, Robert, GmbH. Switch actuating arrangement for use in motion picture projectors or the like. 3,829,204, 8-13-74, Cl. 352-124.000.
Riedel-De Haen Aktiengesellschaft: *See*—
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Rieder, Alois: *See*—
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Rieder, Walter E., to Cincinnati Milacron Inc. Detergent compositions exhibiting reduced skin irritation and method of reducing detergent irritation. 3,846,554, 11-5-74, Cl. 424-272.000.
Riedhammer, Josef: *See*—
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Riedl, Peter A., to Texaco Inc. Manufacture of hydrocarbyl hydroperoxide. 3,846,499, 11-5-74, Cl. 260-610.00B.
Riedmann, Manfred; and Vogt, Jurgen, to Hewlett-Packard GmbH. Flame detector. 3,840,343, 10-8-74, Cl. 23-254.0EF.
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Rief, Dean J.; and McKinney, William S., to Rief Enterprises, Inc. Decorative separator. 3,850,782, 11-26-74, Cl. 161-25.000.
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Riegel, Herbert; Sze, Morgan C.; Unger, Harold; and Shipman, L. M., to Lummus Company, The. Vinyl chloride recovery with dichloroethane solvent. 3,796,641, 3-12-74, Cl. 203-67.000.
Riegel, Peter S.; Legue, Ronald; Nikodem, Leslie F., Jr.; and Slay, Willard, to American Gas Association, Inc. Stopping apparatus for pipe lines. 3,842,864, 10-22-74, Cl. 138-93.000.
Riegel Textile Corporation: *See*—
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Rieger, Hansjorg; and Weidler, Erhard Alfred. Link element for chains. 3,835,908, 9-17-74, Cl. 152-243.000.
Rieger, Klaus K.: *See*—
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Rieger, Peter: *See*—
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Rieger, Werner; and Dalferth, Hans Horst. Chain couplers. 3,822,549, 7-9-74, Cl. 59-85.000.
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Riehl Electronics Corporation: *See*—
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Riehl, Fred, to Robertshaw Controls Company. Snorkel tube burner construction and method of making the same. 3,814,077, 6-4-74, Cl. 126-39.00E.
Riehl, Roger W., to Riehl Electronics Corporation. Solid state electronic timepiece. 3,823,551, 7-16-74, Cl. 58-23.00R.
Richle, Harald, to IWA-Rechenschieberfabrik F. Richle KG. Computing, or calculating device. 3,821,521, 6-28-74, Cl. 235-119.000.
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Rieke, Glenn T., to Rieke Corporation. Container closure with locking pull spout, and integral spout cap, pull ring, and outer seal. 3,804,305, 4-16-74, Cl. 222-538.000.
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Riekkinen, Asko Sakari, to Oy Nokia AB. Automatic reel exchanging device for a winding apparatus. 3,822,044, 7-2-74, Cl. 242-79.000.
Riel, Frank J., to Rohr Industries, Inc. Corrosion resistant adhesive bonding system. 3,855,044, 12-17-74, Cl. 161-89.000.
Riely, Phyllis: *See*—
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Rieman, Willis E., to Gulf & Western Systems Company. Control circuit. 3,795,790, 3-5-74, Cl. 219-490.000.
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Riemenschneider, Wilhelm, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of carbon tetrachloride. 3,845,148, 10-29-74, Cl. 260-658.00R.
Riemersma, Coenraad E., to Procter & Gamble Company, The. Web splicing, unwinding and forwarding apparatus. 3,836,089, 9-17-74, Cl. 242-58.100.
Riemhofer, Franz: *See*—
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Ries, Christian; and Prymka, Margot, to Collardin, Gerhard, GmbH. Process for the application of phosphate coatings on steel, iron and zinc surfaces. 3,810,792, 5-14-74, Cl. 148-6.15Z.
Ries, Donald G.: *See*—
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Ries, Robert J. Power or manually operable gate. 3,839,826, 10-8-74, Cl. 49-139.000.
Riesbeck, Laverne J.; and Blackwell, Willis A., to Midwestern Industries, Inc. Motion control for a material separator. 3,794,165, 2-26-74, Cl. 209-325.000.
Riesbeck, Laverne J.; and Blackwell, Willis A. Stackable sieve. 3,800,943, 4-2-74, Cl. 209-237.000.
Riesenber, Klaus-Otto: *See*—
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Riesenberg, James H.; and Rait, Joseph M., to Pelorex Corporation. Method and apparatus for filling and sealing container. 3,783,576, 1-8-74, Cl. 53-7.000.
Riesenberg, Klaus-Otto: *See*—
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Riester, Oskar; and Ohlschlager, Hans, to Agfa-Gevaert Aktiengesellschaft. Fogged, direct positive silver halide emulsion sensitized with an isoindolinone polymethine dye. 3,816,141, 6-11-74, Cl. 96-137.000.
Riester, Oskar; Ohlschlager, Hans; and Odenwalder, Heinrich, to Agfa-Gevaert Aktiengesellschaft. Spectrally sensitized direct positive emulsion. 3,846,137, 11-5-74, Cl. 96-130.000.
Riester, William C.; and Graczyk, Bronislaus S., to Trico Products Corporation. Windshield washer assembly. 3,793,670, 2-26-74, Cl. 15-250.040.
Riester, William C., to Trico Products Corporation. Windshield wiper blade. 3,816,870, 6-18-74, Cl. 15-250.420.
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Rieth, Kurt A., to Textron, Inc. Expansible linkage for use in making a watchband or similar article. 3,786,629, 1-22-74, Cl. 59-79.00R.
Rieth, Kurt A.; and Hoffmann, Edwin E. R., to Textron Inc. Bracelet component including flexible strip covered with link-like shells. 3,844,136, 10-29-74, Cl. 63-4.000.

Riethmuller, Lothar; Kieper, Hans W.; and Spreitzhofer, Ernst, to Bodenseewerk Perkin-Elmer & Co., GmbH. Circuit arrangement for base line compensation. 3,800,236, 3-26-74, Cl. 328-162.000.
Riethmuller, Lothar H.; Sponholz, Richard; Kiefer, Hans; and Spreitzhofer, Ernst, to Bodenseewerk Perkin-Elmer & Co. GmbH. Peak detector. 3,828,259, 8-6-74, Cl. 328-151.000.
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Rietzler, Rudolf, to Schulten, Franz, Webere und Bekleidungs-Werke. Nipping-shuttle for weaving. 3,835,877, 9-17-74, Cl. 139-207.000.
Rieux, Jean Philippe; and Lehureau, Jean, to Rhone-Progil. Polyepoxyether and bitumen compositions. 3,842,024, 10-15-74, Cl. 260-28.000.
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Rieve, Robert W., to Atlantic Richfield Company. Vapor phase conversion of acetone to 3,5-xylenol in a single stage. 3,803,249, 4-9-74, Cl. 260-621.00r.
Rieve, Robert W., to Atlantic Richfield Company. Vapor phase conversion of acetone to 3,5-xylenol in a single stage. 3,816,546, 6-11-74, Cl. 260-621.00r.
Rieve, Robert W.; and Shalit, Harold, to Atlantic Richfield Company. Hydrocracking high molecular weight hydrocarbons containing sulfur and nitrogen compounds. 3,847,795, 11-12-74, Cl. 208-108.000.
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Rifkin, Alfred Aaron, to International Business Machines Corporation. Non-volatile magnetic domain device having binary valued bias field excitation. 3,836,896, 9-17-74, Cl. 340-174.0tf.
Rifkin, Ernest; and Dreibelbis, Richard C., to Carrier Corporation. Thermostat assembly. 3,790,075, 2-5-74, Cl. 236-49.000.
Rifkin, Ernest, to Carrier Corporation. Control valve for use in an air distribution unit. 3,796,367, 3-12-74, Cl. 236-49.000.
Rigal, Jean, to Creusot-Loire. Rotating agitator for a cylindrical receptacle of great length. 3,820,761, 6-28-74, Cl. 259-109.000.
Rigal, Rene Jean Jacques Philippe: *See*—
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Riggle, Grant C.; Hoye, Robert C.; and Bennett, Stephen H., to United States of America, Health, Education and Welfare. Anticoagulating blood suction device. 3,807,401, 4-30-74, Cl. 128-277.000.
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Riggle, William Eugene, to RCA Corporation. Method of aligning a two-capillary tube gas discharge device. 3,824,089, 7-16-74, Cl. 65-109.000.
Riggleman, Billy M.; and Young, William L., III, to United States of America, Interior. Filament wound reverse osmosis tubes. 3,804,259, 4-16-74, Cl. 210-490.000.
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Riggs, Darius O., to Owens-Illinois, Inc. Phase compensated multiple moving head inspection apparatus. 3,811,553, 5-21-74, Cl. 198-33.0ah.
Riggs, Darius O., to Owens-Illinois, Inc. Article-spacing helix assistor. 3,833,110, 9-3-74, Cl. 198-34.000.
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Riggs, Olen Lonnie, Jr.; and Surtees, Lyll Stanley. Method of removing a metal contaminant. 3,826,724, 7-30-74, Cl. 204-140.000.
Riggs, Peter Philip, to Amsted Industries Incorporated. Lubricated plastic impregnated wire rope. 3,824,777, 7-23-74, Cl. 57-149.000.
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Riggs, Royal W. Fishing lure. 3,803,746, 4-16-74, Cl. 43-35.000.
Riggs, William D., to North American Philips Corporation. Shaded pole synchronous motor. 3,808,491, 4-30-74, Cl. 310-162.000.
Righini, Placido. Active coupler for nodes of bidirectional two-wire transmission lines. 3,803,369, 4-9-74, Cl. 179-170.00r.
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Rigney, Edward T.; Benson, Richard A.; and Edgerton, Bradford W., to Trans-Sonics, Inc. Load weighing system for crans with rotatable booms. 3,826,321, 7-30-74, Cl. 177-210.000.
Rigney, Jack C.; Hollis, Samuel H.; and Doonan, Nathaniel J., to Thursday Company, The. Disposable insert for litter box. 3,809,013, 5-7-74, Cl. 119-1.000.
Rigo, H. Gregor. Gaseous flow separator and heat exchange. 3,815,336, 6-11-74, Cl. 55-269.000.
Rigotte, Victor H.: *See*—
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Rigterink, Raymond H., to Dow Chemical Company, The. O,O-diethyl O-(6-fluoro-2-pyridyl)phosphorothioate. 3,810,902, 5-14-74, Cl. 260-294.80k.
Rigterink, Raymond H., to Dow Chemical Company, The. Certain(trifluoromethyl-pyridyl)-phosphoramidates and phosphoramidothioates. 3,818,019, 6-18-74, Cl. 260-294.80k.
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Riha, Miloslav; Vystrcil, Karel; Cernocky, Jiri; and Zgarda, Milan, to Zbrojovka Vsetin, narodni podnik. Apparatus for stretching a fabric. 3,800,835, 4-2-74, Cl. 139-291.00r.

Riikonen, Douglas L., to Honeywell Information Systems, Inc. Method apparatus for automatic selection of translators in a data processing system. 3,846,763, 11-5-74, Cl. 340-172.500.
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Misato, Tomomasa; Huang, Keng Tang; Homma, Yasuo; Yoshida, Ryonosuke; Saito, Tadaomi; and Shimizu, Akira, 3,821,403.
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Riken Piston Ring Kogyo Kabushiki Kaisha: *See*—
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Moore, George G. I.; and Harrington, Joseph Kenneth, 3,840,597.
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Riley, Arthur F., to Teletype Corporation. High-speed printer having improved ribbon driving, reversing and tensioning mechanism. 3,825,103, 7-23-74, Cl. 197-164.000.
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Riley, John E., to Bailey Meter Company. Differential pressure transducer force motor drive circuit. 3,845,348, 10-29-74, Cl. 318-676.000.
Riley, John Terence. Pneumatic amplifiers. 3,794,058, 2-26-74, Cl. 137-82.000.
Riley, Lawrence Raymond, to Combustion Engineering Inc. Apparatus for relining a BOF vessel tap hole. 3,833,334, 9-3-74, Cl. 425-449.000.
Riley, Marvin E. Expansion joint cleaning apparatus and method. 3,791,696, 2-12-74, Cl. 299-10.000.
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Kaltenbach, Robert Paul; and Rogers, Wayne C., 3,856,214.
Riley, Terence James: *See*—
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Riley, Victor R.: *See*—
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Riley, Willis Robert. Vehicle theft prevention system. 3,802,233, 4-9-74, Cl. 70-241.000.
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Rillaers, Guy Alfred; and Depoorter, Henri, to Agfa-Gevaert, N.V. Novel cyanine dyes containing a 1-oxy-3,4-dioxocyclopentene-1 ring in the conjugated methine chain linking two nitrogen containing heterocyclic nuclei. 3,793,313, 2-19-74, Cl. 260-240.00r.
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Rim, Yong S.: *See*—
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Rinaldi, Ronald M. Butchers twine dispenser. 3,856,232, 12-24-74, Cl. 242-146.000.
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Rineer Hydraulics, Inc., mesne: *See*—
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Rinehart, Dean C., to General Electric Company. Rotary compressor including means for reducing vane slot wear. 3,813,193, 5-28-74, Cl. 418-63.000.
Rinehart, James W.: *See*—
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Rines, Robert H.: *See—*
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Rinesch, Rudolf; Jilek, Walter; Hubner, Franz; and Achatz, Siegfried, to Vereinigte Osterreichische Eisen- und Satahlwerke Aktiengesellschaft. Process for producing steels according to the oxygen top-blowing method. 3,802,866, 4-9-74, Cl. 75-52.000.

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Bond, Herbert M.; and Ring, Charles E., 3,809,642.

Ring, Charles M., to Motorola, Inc. Efficient power darlington device configuration. 3,813,588, 5-28-74, Cl. 317-235.00r.

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Ring, Howard D., to Xerox Corporation. Writing apparatus and method of manufacture. 3,795,010, 2-26-74, Cl. 346-74.

Ring, Michael; and Sheehey, Joseph F., to International Paper Company. Base sheet for strippable wall covering and process for making. 3,840,428, 10-8-74, Cl. 162-146.000.

Ring, Richard: *See—*
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Ringe, Werner, to Hauni-Werke Korber & Co., K.G. Apparatus for severing wrapped tobacco filler rods or the like. 3,830,126, 8-20-74, Cl. 83-310.000.

Ringel, Samuel: *See—*
Von Strandtmann, Max; Ringel, Samuel; and Gutt, Ann, 3,804,948.

Ringer, Cecil D.: *See—*
Alexander, Robert H.; Kramer, Vincent J.; and Ringer, Cecil D., 3,807,284.

Ringkamp, Joseph D., to Acker Drill Company, Inc. Quick acting connector for telescopically joined pipe ends and the like. 3,796,448, 3-12-74, Cl. 285-317.000.

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Rockwell, Harvey W.; and Ringland, William L., 3,812,928.

Ringland, William L.; Neumann, Manfred E.; Kaeser, Ernst K.; Gilmore, Thomas P.; and Geiersbach, Allois F., to Allis-Chalmers Manufacturing Company. Circuit for starting electric motor from standstill with maximum torque. 3,845,372, 10-29-74, Cl. 318-398.00.

Ringle, Louis A., to Franklin Mint Corporation. Coin holding device. 3,797,649, 3-19-74, Cl. 206-.820.

Ringle, Louis A.; and Brown, Jack M., Jr., to Franklin Mint, Inc., The. Coin display device. 3,822,782, 7-9-74, Cl. 206-.083.

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Ringley, Michael B., to Westvaco Corporation. Method of high yield semichemical pulp production. 3,811,995, 5-21-74, Cl. 162-19.000.

Ringley, Michael B.; and Wendelin, Pauli O., to Westvaco Corporation. Process for producing high strength, high yield hardwood pulp. 3,827,934, 8-6-74, Cl. 162-28.000.

Ringspann Albrecht Maurer KG: *See—*
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Ringuet, Jacques, to Thomson-CSF. Cooling system for components generating large amounts of heat. 3,843,910, 10-22-74, Cl. 317-100.000.

Ringwall, Carl G.; and Keltz, William L., to United States of America, Navy. Oxygen partial pressure sensor. 3,805,590, 4-23-74, Cl. 73-24.000.

Ringwall, Carl G., to United States of America, Army, mesne. Fluidic frequency filter. 3,851,670, 12-3-74, Cl. 137-814.000.

Ringwall, Carl G., to United States of America, Army, mesne. Notch tracking fluid frequency filter. 3,857,412, 12-31-74, Cl. 137-814.000.

Ringwall, Carl Gustave, to General Electric Company. Gain changer for angle-of-attack/attitude fluidic flight control system. 3,817,480, 6-18-74, Cl. 244-78.000.

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Rininger, Paul R., to Global Marine Inc. Underwater well structure. 3,796,273, 3-12-74, Cl. 175-7.000.

Rininger, Paul R., to Global Marine Inc. Submerged chain angle measurement. 3,810,081, 5-7-74, Cl. 340-3.00r.

Rinio, Johannes. Cable pulley. 3,844,537, 10-29-74, Cl. 254-191.000.

Rink, Helm A.: *See—*
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Rinker, Carl G., to Atwater Strong Co., Inc. Vacuum cleaner construction. 3,813,725, 6-4-74, Cl. 15-347.000.

Rinker, Kurt H., to Kelsey-Hayes Company. Hold-down assembly for sliding caliper type disk brake. 3,841,445, 10-15-74, Cl. 188-73.500.

Rinkleib, Helfried O.: *See—*
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Johnston, Daniel H.; Mannheimer, Rudy; Rinkleib, Helfried O.; Walker, Ivan D.; and Kellner, John R., 3,825,208.

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Rinnergschwentner, Hans: *See—*
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Rinnert, Helmut Kurt, to Globe-Union Inc. Method for emptying and filling batteries and apparatus therefor. 3,786,842, 1-22-74, Cl. 141-1.000.

Rinnfors, Lars-Gunnar: *See—*
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Rinto, Georges, to Creusot-Loire. Bogie linear inductor suspension assembly. 3,855,940, 12-24-74, Cl. 105-77.000.

Rio, Arturo; Cerrone, Marcello; and Saini, Alberto, to Societa' Italiana per Azioni per la Produzione di Calci e Cementi di Segni. Method for preparing polymer impregnated cement articles. 3,826,680, 7-30-74, Cl. 117-119.600.

Riojas, Gregorio. Internal combustion engine mufflers. 3,802,163, 4-9-74, Cl. 55-276.000.

Rion Co., Ltd.: *See—*
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Rion, Pat F., to Phillips Petroleum Company. Soil binding and soil mulching compositions. 3,805,447, 4-23-74, Cl. 47-9.000.

Rion, Richard G.; and Gazo, Louis J., Jr., to Ferro Corporation. Electrophoretic deposition of ceramic coatings. 3,841,986, 10-15-74, Cl. 204-181.000.

Riordan, Hugh E.: *See—*
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Riordan, Hugh E., to Kelsey-Hayes Company. Skid control system. 3,791,701, 2-12-74, Cl. 303-21.0be.

Riordan, Michael D.; and Weetman, David G., to Texaco Inc. Extraction process. 3,810,951, 5-14-74, Cl. 260-677.00a.

Riordan, Richard C.: *See—*
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Riordan, William J., to Kidde, Walter, & Company Inc. Flame ignition and supervision system. 3,847,533, 11-12-74, Cl. 431-78.000.

Riordan, William J.; and Foster, George B., to Kidde, Walter, & Company, Inc. Burner control apparatus. 3,853,455, 12-10-74, Cl. 431-80.000.

Riotto, Dominic: *See—*
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Rioult, Jean-Pierre, to U.S. Philips Corporation. Method of providing internal connections in a semiconductor device. 3,787,822, 1-22-74, Cl. 340-173.0sp.

Rioux, Christian; and Lucidarme, Jean, to Agence Nationale de Valorisation de la Recherche (ANVAR). Device for increasing the pressure of a conductive liquid and unipolar dynamo incorporating said device. 3,854,065, 12-10-74, Cl. 310-178.000.

Ripart, Guy, to Compagnie Generale d'Electricite. Arrangement for eliminating interference reflections in a light deviating device. 3,827,787, 8-6-74, Cl. 350-285.000.

Ripka, Josef: *See—*
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Ripka, William Charles, to Du Pont de Nemours, E. I., and Company. Process for the preparation of delta 4-3,20-diketo-6,6-difluoro-11beta, 16alpha, 17alpha, 21-tetrahydroxyreegnene 16,17-ketals. 3,822,253, 7-2-74, Cl. 260-239.55d.

Ripley, Charles C., to General Electric Company. Method of manufacturing a nuclear fuel assembly spacer. 3,789,476, 2-5-74, Cl. 29-163.50r.

Ripley, Charles C. Nuclear fuel assembly spacer. 3,806,410, 4-23-74, Cl. 176-78.000.

Ripley, John A.; and Davis, Homer B., to Celesco Industries, Inc. Range scoring system. 3,793,481, 2-19-74, Cl. 178-6.800.

Ripley, Lionel George: *See—*
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Ripley-Duggin, Basil Alexander, to Doverstrand Ltd. Agglomerating latices of diene polymers. 3,795,647, 3-5-74, Cl. 260-29.7sq.

Rippel, Leopold: *See—*
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Rippel, Wally E., to Electric Fuel Propulsion Corporation. Commutating circuit for electrical vehicle. 3,808,481, 4-30-74, Cl. 318-139.000.

Ripple, Charles D.; James, Ronald V.; and Rubin, Jacob, to United States of America, Interior. System for packing particulate material into long cylindrical containers. 3,838,716, 10-1-74, Cl. 141-12.000.

Ripple, David Eugene, to Lubrizol Corporation, The. Certain 2-halo-1,2,4-thiadiozole disulfides. 3,821,236, 6-28-74, Cl. 260-302.0sd.

Rippon, John Roy: *See—*
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Ripstein, Terryl J. Feed conveying and dispensing apparatus. 3,786,783, 1-22-74, Cl. 119-52.0af.

Ririe, Otis E., Jr., to Phillips Petroleum Company. Hydrogen fluoride vapor detection system. 3,834,875, 9-10-74, Cl. 23-232.00e.

Ris, Kenneth B.; and Huber, Ferdinand V., to Ecodyne Corporation, mesne. Adjustable selective orificing steam condenser. 3,802,496, 4-9-74, Cl. 165-101.000.

Ris, Kenneth B., to Ecodyne Corporation, mesne. Selective orificing steam condenser. 3,807,494, 4-30-74, Cl. 165-110.000.

Risberg, Robert L., to Cutler-Hammer, Inc. Direct current signal isolator providing a close replica of wave shape. 3,824,407, 7-16-74, Cl. 307-88.0mp.

Risch, Alan P.: *See—*
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Rischer, Roman: *See—*
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Risdon Manufacturing Company, The: *See—*
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Riseberg, Leslie Allen; and Scott, Warner Curtis, to Texas Instruments, Incorporated. Asymmetric waveguide pair acoustic surface wave switch. 3,850,503, 11-26-74, Cl. 350-96.0wg.

Riseman, Jacob: *See—*
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Riseman, John H.: *See—*
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Risener, George W. Bottle decapping system. 3,852,867, 12-10-74, Cl. 29-208.00b.

Riser, Clarence B.: *See—*
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Risgin, Ojars; Arnold, Charles B.; Hubbard, Peter A.; and Scarborough, Edward D., to Sensors Incorporated. Apparatus for gas analyses. 3,808,436, 4-30-74, Cl. 250-344.000.

Rishavy, Edward A.: *See—*
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Paxton, Wayne E.; Rishavy, Edward A.; and Currie, James H., 3,831,562.

Rishel, Richard O. Process and apparatus for the separation of liquid mixtures. 3,804,252, 4-16-74, Cl. 210-84.000.

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Risher, Frederick L.: *See—*
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Rishovd, Sigurd, to Royal Industries, Inc. Method and apparatus for inflating tubeless tires and the like. 3,789,901, 2-5-74, Cl. 157-1.100.

Rishovd, Sigurd A., to Royal Industries, Inc. Tire bead seater. 3,785,424, 1-15-74, Cl. 157-1.100.

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Rising, Donald B., to Millipore Corporation. Vented filter holder. 3,854,907, 12-17-74, Cl. 55-159.000.

Risk, Norman E.: *See—*
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Risko, Donald G.; Bosten, Donald R.; and Rusnak, Michael, to Rockwell International Corporation. Comminution apparatus. 3,786,998, 1-22-74, Cl. 241-101.700.

Risler, Francis: *See—*
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Risley, Curtis A., to GTE Sylvania Incorporated. Amplifier circuit having variable automatic gain control. 3,805,177, 4-16-74, Cl. 330-29.000.

Risley, Curtis A., to GTE Sylvania Incorporated. Communication receiving apparatus employing several samples of baseboard noise to detect an incoming signal and turn on the apparatus. 3,852,671, 12-3-74, Cl. 325-492.000.

Risley, James A. Flush tank water saver. 3,812,544, 5-28-74, Cl. 4-18.000.

Risman, Per Olov, to Husqvarna Vapenfabriks Aktiebolag. Method and device for producing periodic heating of moisture-containing objects. 3,839,616, 10-1-74, Cl. 219-10.550.

Risman, Per Olov G.: *See—*
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Risman, Per Olov G.; and Rosengren, Lars O., to Husqvarna Vapenfabriks Aktiebolag. Microwave heating apparatus. 3,810,248, 5-7-74, Cl. 219-10.550.

Riso, Vladimir: *See—*
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Rissberger, Arthur C., Jr.: *See—*
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Risse, Jean, to Colortex S.A. Fluid propeller. 3,813,083, 5-28-74, Cl. 259-8.000.

Risse, Jean-Claude: *See—*
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Risser, J. Marlin. Overhead door movement control and support unit. 3,856,073, 12-24-74, Cl. 160-201.000.

Rissi, Erwin: *See—*
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Rist, George, A., to Du Pont de Nemours, E. I., and Company. Process for adhering acrylics to chrome. 3,801,354, 4-2-74, Cl. 117-75.000.

Rist, Michel, to Societe Anonyme Francaise du Ferodo. Torsion damping device. 3,817,362, 6-18-74, Cl. 192-106.100.

Rist, Michel, to Societe Anonyme Francaise du Ferodo. Assisted steering control with automatic return, especially for automobile vehicles. 3,828,883, 8-13-74, Cl. 180-79.20r.

Rist, Michel, to Societe Anonyme Francaise du Ferodo. Brake with braking member having a ring, especially for automobile vehicles. 3,853,207, 12-10-74, Cl. 188-76.000.

Rist, Michel, to Societe Anonyme Francaise du Ferodo. Device for driving two parts in rotation. 3,855,790, 12-24-74, Cl. 60-361.000.

Rist, Michel Theophile, to Societe Anonyme Francaise du Ferodo. Free-wheel mechanisms and free wheels incorporating such mechanisms. 3,799,306, 3-26-74, Cl. 192-45.000.

Rist, Otto. Machine for the automatic insertion of slot insulations or armatures of electrical machines. 3,848,317, 11-19-74, Cl. 29-205.00e.

Ristad, Clarence H.: *See—*
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Ristance Wire, Inc.: *See—*
Dugger, Richard P., 3,826,891.

Ristenbatt, Marlin Philip. Comprehensive automatic vehicle communication, paging, and position location system. 3,824,469, 7-16-74, Cl. 325-39.000.

Rister, Donald R.: *See—*

Paelian, Owen; Rister, Donald R.; and Kellar, Richard L., 3,788,133.
Ristow, Dietrich: *See—*
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Leyland, Kenneth, 3,794,790.
Ristuccia, Donald J., to Westinghouse Electric Corporation. Transformer apparatus and monitoring system. 3,793,559, 2-19-74, Cl. 317-14.00c.
Ristuccia, Donald J., to Westinghouse Electric Corporation. Remotely monitored and controlled transformer. 3,855,503, 12-17-74, Cl. 317-27.00r.
Ristvedt, Victor G.; and Johnson, Roy B. Coin wrapper forming apparatus. 3,830,142, 8-20-74, Cl. 93-81.0mt.
Ritacco, Gerardo A.: *See—*
Daly, Daniel G.; and Ritacco, Gerardo A., 3,782,997.
Ritcey, Gordon Malcolm; and Lucas, Bernard Henry, to Canadian Patents and Development Limited. Co-extraction and separate recovery of uranium and thorium from acid solutions. 3,835,213, 9-10-74, Cl. 423-9.000.
Ritch, Glen L. Hockey-type game apparatus. 3,851,880, 12-3-74, Cl. 273-128.00r.
Ritchey, Edward R. Process and solution for fixing an image on silver halide prints. 3,854,947, 12-17-74, Cl. 96-61.00r.
Ritchey, Eugene B. Tag applying tool. 3,850,360, 11-26-74, Cl. 227-67.000.
Ritchie, De W. Adaptable support for use on uneven surfaces. 3,814,362, 6-4-74, Cl. 248-188.300.
Ritchie, Ellis Ray. Calendar display device. 3,810,322, 5-14-74, Cl. 40-107.000.
Ritchie, George D. V. Method for curing endless elastomeric belts. 3,793,426, 2-19-74, Cl. 264-231.000.
Ritchie, Ian Daniel: *See—*
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Ritchie, Joe L.: *See—*
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Ritchie, Kim, to Motorola, Inc. Liquid diffusion depant source for semiconductors. 3,789,023, 1-29-74, Cl. 252-518.000.
Ritchie, Kim, to Motorola, Inc. Liquid silica source for semiconductors. 3,832,202, 8-27-74, Cl. 106-287.0se.
Ritchie, Lewis M.: *See—*
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Ritchie, Rex E.; and Welker, John B., to Acroquip Corporation. Cooler-filter unit for compressed air systems. 3,832,831, 9-3-74, Cl. 55-218.000.
Ritchie, William B., Jr.: *See—*
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Ritchie, William Barney, Jr.: *See—*
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Rite Autotronics Corporation: *See—*
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Ritland, Gerald David; and Watson, Harold Kirk. Finger support. 3,794,019, 2-26-74, Cl. 128-77.000.
Ritland, Paul D.; and Ache, Rollin W., to Westinghouse Electric Corporation. Tube support system for heat exchanger. 3,820,594, 6-28-74, Cl. 165-69.000.
Ritner, Charles J. Telescopic cantilever gate assembly. 3,803,765, 4-16-74, Cl. 49-427.000.
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Rittberg, Eilt-Heyo: *See—*
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Rittberg, Eilt-Heyo, to Olympia Werke AG. Jet printer, particularly for an ink ejection printing mechanism. 3,848,118, 11-12-74, Cl. 239-101.000.
Rittel, Werner: *See—*
Brugger, Max; Riniker, Bernhard; and Rittel, Werner, 3,798,203.
Iselin, Beat; Kappeler, Heini; Riniker, Bernhard; and Rittel, Werner, 3,792,033.
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Rittel, Werner; Brugger, Max; Kamber, Bruno; Riniker, Bernhard; Sieber, Peter; and Greven, Hendrik Marie, to Ciba-Geigy Corporation. Analogues of human thyrocalcitonin. 3,849,388, 11-19-74, Cl. 260-112.500.
Rittenhouse, Howard E.; and Prestridge, James C., to Crane Co. Fabricated notating disc liquid meter. 3,802,266, 4-9-74, Cl. 73-273.000.
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Ritter, Andreas: *See—*
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Ritter, Elmar; and Pulker, Hans K., to Balzers Patent- und Beteiligungs-Aktiengesellschaft. Low-loss, highly reflective multilayer coating system formed of alternate highly refractive and low-refraction oxide layers. 3,853,386, 12-10-74, Cl. 350-164.000.
Ritter Engineering Company: *See—*
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Ritter, Hans-Georg; and Weiser, Ulrich, to Wean United, Inc. Stretch-reducing rolling mill. 3,831,417, 8-27-74, Cl. 72-235.000.
Ritter, Helmut, to Heberlein & Co. AG. Apparatus and process for continuously texturing and post-setting yarns. 3,813,863, 6-4-74, Cl. 57-34.0hs.
Ritter, James R.; and Strauch, Otto R., to Potters Industries Inc. Method of analyzing coating on particulate material. 3,837,806, 9-24-74, Cl. 23-230.00r.
Ritter, Johannes Andreas: *See—*
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Ritter, Josef: *See—*
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Ritter, Josef; Gott, Hans; Ritter, Klaus; Gamillscheg, Otto; Boyer, Wilhelm; and Ritter, Gerhard, to EVG Entwicklungs- und Verwertungsgesellschaft m.b.H. Bending machine for wire or strip. 3,788,122, 1-29-74, Cl. 72-384.000.
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Ritter, Karl Hermann; and Ritter, Johannes Andreas. Calendar. 3,845,580, 11-5-74, Cl. 40-121.000.
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Ritter, Nicholas H. Routing device. 3,841,368, 10-15-74, Cl. 144-134.00r.
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Ritter, Robert A.; and Turnbull, David G., to Ritter Engineering Ltd. Process, system and apparatus and components thereof for the separation of gaseous components. 3,849,089, 11-19-74, Cl. 55-33.000.
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Ritzenhoff, Hermann, to Gerhruder Seidel KG. Support for mounting small parts in electroplating processes. 3,785,952, 1-15-74, Cl. 204-297.00w.
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Rizzitano, Fortunato J.; Hatch, William P.; and Buffum, Donald C., to United States of America, Army. Attachment of rotating band to shell casing by brazing. 3,838,497, 10-1-74, Cl. 29-493.000.

Rizzo, Anthony. Touch controlled switching circuit. 3,798,462, 3-19-74, Cl. 307-116.000.

Rizzo, Anthony R., to Afco Products Inc. Apparatus coating sheeted material with a tacky substance. 3,797,453, 3-19-74, Cl. 118-69.000.

Rizzo, Frank J., Jr.: *See*—
Ewing, Bruce A.; and Rizzo, Frank J., Jr., 3,825,420.

Rizzo, Joseph Edward, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defense in Her Britannic Majesty's Government of the. Interferometers for fluid flow measurements. 3,825,346, 7-23-74, Cl. 356-106.000.

Rizzo, Leo, L. Flexible hose assembly means. 3,803,699, 4-16-74, Cl. 29-237.000.

Rizzo, Rudolph R. Roadway barrier. 3,799,507, 3-26-74, Cl. 256-64.000.

Rizzo, Russell S. Clam opener. 3,811,153, 5-21-74, Cl. 17-76.000.

Rizzo, Victor L.: *See*—
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Rizzone, Michael L., to United States Steel Corporation. Liner seal for reciprocating pumps. 3,786,729, 1-22-74, Cl. 92-171.000.

Rlotkin, Victor, to Spiegel Industries Corporation. Brace for rigidifying joints between elongated structural members. 3,819,290, 6-25-74, Cl. 403-388.000.

RMC Research Corporation: *See*—
Michelsen, Paul F., 3,798,795.

RMI Company: *See*—
Bartlo, Louis J.; and Bomberger, Howard B., Jr., 3,835,526.
Bomberger, Howard B., Jr., 3,793,071.
Bomberger, Howard B., Jr.; and Seagle, Stanley R., 3,833,363.

RNB Associates, Inc.: *See*—
Berglund, Richard N.; and Liu, Benjamin Y. H., 3,790,079.

Ro, Jai G.: *See*—
Willert, William H.; and Ro, Jai G., 3,824,875.

Ro, Rolland Shih-Yuan: *See*—
Collette, John Wilfred; Ro, Rolland Shih-Yuan; and Sonnenberg, Fred Max, 3,796,687.
Collette, John Wilfred; Ro, Rolland Shih-Yuan; and Sonnenberg, Fred Max, 3,856,765.

Ro, Rolland Shih-Yuan, to Du Pont de Nemours, E. I., and Company. Nickel complexes for curing polychloroprenes. 3,823,173, 7-9-74, Cl. 260-439.08r.

Ro-Band Corporation: *See*—
Farnsworth, Le Moyne E.; and Johnson, Lawrence A., 3,782,325.
Farnsworth, Lemoyne E.; Pitt, Bruce R.; and Wolf, John W., 3,787,000.

Ro-Search, Incorporated: *See*—
Liebscher, Anton L., 3,803,657.

Roach, Edward T.: *See*—
Hodgdon, Russell B., Jr.; and Roach, Edward T., 3,787,339.

Roach, Jere H., to Cammann Manufacturing Company. Tool positioner. 3,806,691, 4-23-74, Cl. 219-69.00g.

Roach, Jere H., to Cammann Manufacturing Company. Electrode movement control. 3,833,785, 9-3-74, Cl. 219-69.00g.

Roach, Jerome C.: *See*—
Speich, Carl F.; and Roach, Jerome C., 3,830,253.

Roach, Kenneth N.: *See*—
Woonton, Kent; Short, Jeffrey T., III; Mills, Don; and Roach, Kenneth N., 3,796,250.

Roach, Ted L.: *See*—
Lunsford, Marvin C., Jr.; Bowers, David T.; Caldwell, Sherwood M.; Davis, Leonard P.; and Roach, Ted L., 3,841,836.

Roach, William J., to Oxford Laboratories, Inc. Liquid transfer pipetting device. 3,855,867, 12-24-74, Cl. 73-425.60B.

Roadfeldt, James L., to Shallbetter Industries, Inc. Conduit adapter. 3,806,169, 4-23-74, Cl. 285-177.000.

Roadways International Corporation: *See*—
Azar, David; and Lanneau, Keith P., 3,817,643.

Roano, Domenico; and Quarisa, Armando, to Olivetti, Ing., C., & C., S.p.A. Code keyboard for typewriters and similar office machines. 3,828,909, 8-13-74, Cl. 197-16.000.

Roanwell Corporation: *See*—
Mol, Hans Cornelis; Biswas, Ranjit; and Kloek, Bernard Frank, 3,830,988.

Roark, Lamar P.: *See*—
Baxter, Robert O.; Byars, Carl A.; Nadaskay, Richard J.; and Roark, Lamar P., 3,827,614.

Roark, Michael A., to BKR, Inc. Radar data recording and replay system. 3,833,934, 9-3-74, Cl. 343-5.0pc.

Roart Plastics, Inc.: *See*—
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Robacks Medaniska Verkstad Bostrom & Soner: *See*—
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Robandt, William F., II; and Clearman, Jack F., to Whirlpool Corporation. Dispenser for washing apparatus. 3,828,975, 8-13-74, Cl. 222-70.000.

Robb, Maurice R. Refrigerator dispensing container array. 3,830,406, 8-20-74, Cl. 222-143.000.

Robb, Wayne F., to T-Products Corporation. Mesh chair for concrete reinforcement. 3,830,032, 8-20-74, Cl. 52-687.000.

Robbart, Edward. Treatment of cellulose. 3,856,558, 12-24-74, Cl. 117-106.00r.

Robbin, James S., and Associates Inc.: *See*—
Porter, Wilson B.; and Klein, Harold T. (said Porter assor. to), 3,805,644.

Robbins & Myers, Inc.: *See*—
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Robbins and Bendror Associates, Inc.: *See*—
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Robbins, Donald D. Cyclonic combustion burner. 3,804,578, 4-16-74, Cl. 431-158.000.

Robbins, Douglas R.; and Robbins, Samuel B., Jr. Safety vial and cap therefor. 3,845,874, 11-5-74, Cl. 215-214.00B.

Robbins, Edward S., Jr. Tackless stair carpet protector. 3,801,424, 4-2-74, Cl. 161-123.000.

Robbins, Elmer A., to Tokheim Corporation. Bill accepting motor fuel dispensing apparatus. 3,845,848, 11-5-74, Cl. 194-13.000.

Robbins, Frederick L., Jr.; and Suprenant, Paul J., to Raytheon Company. Temperature compensating circuit. 3,813,946, 6-4-74, Cl. 73-430.000.

Robbins, Gerald F.: *See*—
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Robbins, James F., to Sybron Corporation. Diaphragm valve. 3,792,720, 2-19-74, Cl. 137-625.280.

Robbins, James S., and Associates, Inc.: *See*—
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Robbins, James S., and Associates, Inc.: *See*—
Porter, Wilson B.; and Klein, Harold T. (said Porter assor. to), 3,808,916.

Robbins, Jim, Seat Belt Company: *See*—
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Robbins, John E.: *See*—
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Robbins, John E., to USM Corporation. Multiple component mixing device. 3,814,289, 6-4-74, Cl. 222-135.000.

Robbins, John Lyndon; and Bridge, Samuel Douglas, to Dixon, R. G., & Company, Limited. Rotary guard for surface treating machines. 3,789,554, 2-5-74, Cl. 51-274.000.

Robbins, Joseph J.: *See*—

Butts, Mervin R.; and Robbins, Joseph J., 3,790,311.

Robbins, Joseph W. Canopy for pickup trucks. 3,857,601, 12-31-74, Cl. 296-10.000.

Robbins, Kenneth W.: *See*—
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Robbins, Kenneth W.; and Robbins, Gerald F., to Sperry Rand Corporation. Stable base-band superregenerative selective receiver. 3,794,996, 2-26-74, Cl. 343-7.00a.

Robbins, Kenneth W.; and Ross, Gerald F., to Sperry Rand Corporation. Closed loop gain control tunnel-diode base band object detector. 3,858,204, 12-31-74, Cl. 343-7.0ed.

Robbins, Larry H.: *See*—
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Robbins, Peter M.: *See*—
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Robbins, Raymond E. Portable compost grinding apparatus. 3,850,364, 11-26-74, Cl. 241-51.000.

Robbins, Robert: *See*—
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Williams, Heyward Sturges; and Robbins, Robert, 3,813,561.
Williams, Heyward Sturges; and Robbins, Robert, 3,854,057.

Robbins, Robert Ralph. Combined vented storage/pressure discharge tank for water closets or urinals. 3,792,497, 2-19-74, Cl. 4-26.000.

Robbins, Rodway Albert: *See*—
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Robbins, Roland W., Jr., to United States of America, Navy. Pressure-compensated flow control valve. 3,805,824, 4-23-74, Cl. 137-504.000.

Robbins, Roland W., Jr., to United States of America, Navy. Free piston pump. 3,846,048, 11-5-74, Cl. 417-393.000.

Robbins, Samuel B., to General Motors Corporation. Vehicle multiplex circuit having function priority. 3,814,861, 6-4-74, Cl. 179-15.00a.

Robbins, Samuel B., Jr.: *See*—
Robbins, Douglas R.; and Robbins, Samuel B., Jr., 3,845,874.

Robbins, Thomas F., Jr.: *See*—
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Robelow, Harold H., to Marsh Stencil Machine Company. Hand printer. 3,799,053, 3-26-74, Cl. 101-125.000.

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Roberson, Cletis L.: *See*—
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Thumm, J. Randall; Roberson, Cletis L.; and Klink, Jerome P., 3,819,344.

Roberson, Cletis L., to Owens-Corning Fiberglas Corporation. Apparatus for and method of packaging linear material. 3,851,453, 12-3-74, Cl. 57-34.00r.

Roberson, James H.; and Perry, Thomas C., Jr., to Crompton & Knowles Corporation. Fiber distribution apparatus. 3,851,924, 12-3-74, Cl. 302-28.000.

Roberson, James H., to Crompton & Knowles Corporation. Fiber distribution system. 3,851,925, 12-3-74, Cl. 302-28.000.

Roberson, Lewis Shepherd: *See*—
Garner, Kenneth Bishop; and Roberson, Lewis Shepherd, 3,851,516.

Roberson, Willie James, to Allis-Chalmers Corporation. Liquid spray nozzle. 3,844,486, 10-29-74, Cl. 239-456.000.

Robert, Dominique. Depressing reagent for mineral flotation and method for its employment. 3,844,412, 10-29-74, Cl. 209-166.000.

Robert, Jacques: *See*—
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Robert, Louis: *See*—
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Johnson, Robert B.; and Robert, Louis F., 3,834,115.

Robert Manufacturing Company: *See*—
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Robert-Nicoud, Florian, to Mefina S.A. Sewing machine. 3,857,348, 12-31-74, Cl. 112-258.000.

Roberti, Giorgio; Dufour-Berte, Casimiro; and Pasero, Edoardo, to Centro Sperimentale Metallurgico S.p.A. Method for extracting and separating iron and non-ferrous metals, from ferrous materials. 3,785,802, 1-15-74, Cl. 75-26.000.

Roberts, Allan; deceased (by Roberts, Margaret Agnes), to Lever Brothers Company. Treatment of paperboard. 3,849,184, 11-19-74, Cl. 117-155.0ua.

Roberts, Arnold E., to Aeroquip Corporation. Compression type tube end connection. 3,830,532, 8-20-74, Cl. 285-341.000.

Roberts, Arthur, to United States of America, Atomic Energy Commission. Image-dissecting Cherenkov detector for identifying particles and measuring their momentum. 3,805,075, 4-16-74, Cl. 250-366.000.

Roberts, Arthur H. Process for manufacturing a rigid plastics tile with textured surface. 3,800,016, 3-26-74, Cl. 264-45.000.

Roberts, Arthur H. Process for the manufacture of molded articles. 3,813,462, 5-28-74, Cl. 264-45.000.

Roberts, Arthur O.; and Bell, Grober C., to United States of America, Atomic Energy Commission. Fixture for supporting a workpiece in a machine tool. 3,838,865, 10-1-74, Cl. 279-3.000.

Roberts, Bernard George, to American Cyanamid Company. Device for the packaging of a three or more component chemiluminescent system. 3,808,414, 4-30-74, Cl. 240-2.250.

Roberts, Carl J.: *See*—
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Roberts, Cecil P., to Anchor Hocking Corporation. High speed article coding machine. 3,786,746, 1-22-74, Cl. 101-35.000.

Roberts, Cecil P., to Anchor Hocking Corporation. Container sealing machine side belt system. 3,850,284, 11-26-74, Cl. 198-165.000.

Roberts, Charles B.: *See*—
Schmidt, Donald L.; and Roberts, Charles B., 3,836,385.

Roberts, Charles B.; and Acker, Frederick L., to Dow Chemical Company, The. Aluminum plating process. 3,787,225, 1-22-74, Cl. 117-47.00r.

Roberts, Charles B.; and Toner, Darell D., to Dow Chemical Company, The. Stabilization of light metal hydride (U). 3,803,082, 4-9-74, Cl. 260-448.00r.

Roberts, Charles B., to Dow Chemical Company, The. Stabilization of aluminum hydride. 3,821,044, 6-28-74, Cl. 423-275.000.

Roberts, Charles B.; and Brower, Frank M., to Dow Chemical Company, The. Preparation of non-solvated crystalline alpha-aluminum hydride. 3,826,820, 7-30-74, Cl. 423-645.000.

Roberts, Charles B., to Dow Chemical Company, The. Metal particulate production. 3,839,012, 10-1-74, Cl. 75-.50r.

Roberts, Charles Chester, Jr., to Bell Telephone Laboratories, Incorporated. Thermal transfer apparatus providing transfer control. 3,837,394, 9-24-74, Cl. 165-32.000.

Roberts, Charles G. Internal combustion engine manifold and fluid flow configuration. 3,823,702, 7-16-74, Cl. 123-188.00m.

Roberts Consolidated Industries, Inc.: *See*—
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Roberts, David Stewart, to Burroughs Wellcome Co. Microorganism porduction. 3,843,451, 10-22-74, Cl. 195-102.000.

Roberts, Dennis A., to Time Computer, Inc., mesne. Solid state electronic wristwatch. 3,803,827, 4-16-74, Cl. 58-4.00a.

Roberts, Dolly A. Animal water-closet. 3,811,410, 5-21-74, Cl. 119-1.000.

Roberts, Donald H. Hobble. 3,824,764, 7-23-74, Cl. 54-71.000.

Roberts, Donald J.; and Feasby, David L., to General Dynamics Corporation. Radome anti-icing system. 3,805,017, 4-16-74, Cl. 219-213.000.

Roberts, Donald Kistler: *See*—
Infante, Carlo; and Roberts, Donald Kistler, 3,839,669.

Roberts, Donald L., to NCR Corporation. Parallel biased photodetector matrix. 3,855,582, 12-17-74, Cl. 340-173.0ls.

Roberts, Donald Lee, to National Cash Register Company, The. Laser recording technique using combustible blow-off. 3,787,210, 1-22-74, Cl. 96-27.00e.

Roberts, Donald R.; Peters, William J.; Harrington, Thaddeus A.; Broomfield, Junior; and Crews, Ernest R., to United States of America, Agriculture. Method of chemically inducing lightwood formation in pine trees. 3,839,823, 10-8-74, Cl. 47-10.000.

Roberts, Donald W., to United States of America, Navy. Recovery hook assembly. 3,788,262, 1-29-74, Cl. 114-235.00r.

Roberts, Edward David: *See*—
Martin, Barry Forester; and Roberts, Edward David, 3,825,466.

Roberts, Edward J. Apparatus for storing dental floss and for holding dental floss during use. 3,814,114, 6-4-74, Cl. 132-92.00r.

Roberts, Edward McC.: *See*—
Grisar, J. Martin; Claxton, George P.; Blohm Thomas R.; and Roberts, Edward McC., 3,838,151.

Roberts, Edward S. Method for converting nitric oxide to nitrogen dioxide and recovery thereof. 3,808,327, 4-30-74, Cl. 423-402.000.

Roberts, Edward S., to Treadwell Corporation. Flash smelting of iron ore and concentrate. 3,822,125, 7-2-74, Cl. 75-40.000.

Roberts, Erwin A.: *See*—
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Roberts, Evan D.: *See*—
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Roberts, Frank B., to Victor Products (Wallsend) Limited. System for supplying electric power to loads in hazardous atmospheres. 3,801,865, 4-2-74, Cl. 315-187.000.

Roberts, Frederick W.; and Drummond, Virgil D., to Rolock Incorporated. Closed loop gas cooling. 3,815,666, 6-11-74, Cl. 165-1.000.
Roberts, Gary Francis, to Kartridg Pak Co., The. Piston product filler. 3,857,424, 12-31-74, Cl. 141-275.000.
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Roberts, Gordon Peter: *See—*
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Roberts, Grant W. Crab trap. 3,828,461, 8-13-74, Cl. 43-102.000.
Roberts, H. Evan; and Gickler, Alan E., to Binkley Company, The. Fastening means for joining members. 3,851,435, 12-3-74, Cl. 52-754.000.
Roberts, Harry W., to Pylon Manufacturing Corporation. Universal blade construction. 3,795,935, 3-12-74, Cl. 15-250.420.
Roberts, Harry W., to Pylon Manufacturing Corporation. Method for making universal blade construction. 3,822,577, 7-9-74, Cl. 72-379.000.
Roberts, Harry W., to Pylon Manufacturing Corporation. Wiper blade mount. 3,823,436, 7-16-74, Cl. 15-250.320.
Roberts, Helm. Combination bathtub and water and space heating unit. 3,793,654, 2-26-74, Cl. 4-179.000.
Roberts, Howard M. Guitar instruction system. 3,820,434, 6-28-74, Cl. 84-485.000.
Roberts, Ian Malcolm: *See—*
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Roberts, James C. Cross beam for grape stakes. 3,791,070, 2-12-74, Cl. 47-46.000.
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Polcer, John; Barratt, Robert O.; and Roberts, John, 3,812,825.
Roberts, John B.; and Roberts, Robert E., to Du Pont de Nemours, E. I., and Company. Painting system. 3,807,291, 4-30-74, Cl. 98-115.0sb.
Roberts, John D.; Ellenberg, John D.; and Keith, Charles H., to Celanese Corporation. Process for making cigarette filters from short synthetic fibers. 3,819,435, 6-25-74, Cl. 156-62.200.
Roberts, John D., to Celanese Corporation. Multi-purpose fluid yarn treating apparatus. 3,823,448, 7-16-74, Cl. 28-1.400.
Roberts, John D.; Ellenberg, John D.; and Keith, Charles H., to Celanese Corporation. Filter making apparatus. 3,852,009, 12-3-74, Cl. 425-83.000.
Roberts, John Francis Lloyd: *See—*
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Roberts, John H.; and Temp, Gordon L., to Trane Company, The. Refrigeration compressor defining oil sump containing an electric lubricant pump. 3,853,433, 12-10-74, Cl. 417-423.000.
Roberts, John J.: *See—*
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Roberts, John S., to Westinghouse Electric Corporation. Encapsulated light activated semiconductor device. 3,796,881, 3-12-74, Cl. 250-211.00j.
Roberts, John S., to Concorde Fibers, inc. Method for treating yarn. 3,805,346, 4-23-74, Cl. 28-72.140.
Roberts, John S., to Westinghouse Electric Corporation. Light-activated lateral thyristor and AC switch. 3,832,732, 8-27-74, Cl. 357-19.000.
Roberts, John S.; and Cresswell, Michael W., to Westinghouse Electric Corporation. Selective irradiation of gated semiconductor devices to control gate sensitivity. 3,840,887, 10-8-74, Cl. 357-30.000.
Roberts, John S.; and Cresswell, Michael C., to Westinghouse Electric Corporation. Selective low level irradiation to improve blocking voltage yield of junctional semiconductors. 3,852,612, 12-3-74, Cl. 250-492.000.
Roberts, John T.; and Wing, Ralph L., to Grace, W. R., & Co. Method of packaging items in bags. 3,793,797, 2-26-74, Cl. 53-29.000.
Roberts, John T.; Waller, John G.; Harris, George E.; and Ovrick, Richard L., to Grace, W. R., & Co. Method and apparatus for applying film-like material to objects. 3,832,258, 8-27-74, Cl. 156-257.000.
Roberts, Joseph Normand; and Lovell, Walter. Plant stem protector. 3,826,040, 7-30-74, Cl. 46-30.000.
Roberts, Karl H.; and Haver, Sandford A., to Colgate-Palmolive Company. Powdered toilet paper. 3,823,057, 7-9-74, Cl. 161-112.000.
Roberts, Karl Hutcheson: *See—*
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Roberts, Karl Hutchson: *See—*
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Roberts, Keith E. Apparatus for removing excess coating material from chain link fabric. 3,845,741, 11-5-74, Cl. 118-57.000.
Roberts, Kent S.: *See—*
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Roberts, Lawrence, to S & S Corrugated Paper Machinery Co., Inc. Inking apparatus having automatic wash-up means. 3,800,702, 4-2-74, Cl. 101-425.000.
Roberts, Leonard N., to Talley-Trac Corporation, mesne. Liquid explosive for well fracturing. 3,825,452, 7-23-74, Cl. 149-38.000.
Roberts, Lincoln Edwin; and Shoemaker, John Robert, to AMP Incorporated. Installation of electrical connectors on wires intermediate the ends thereof. 3,824,530, 7-16-74, Cl. 339-99.00r.
Roberts, Margaret Agnes: *See—*
Roberts, Allan, 3,849,184.
Roberts, Marvin E.; Cohn, Reuben J.; and Ward, James E., to Locking Systems, Inc. Rotary disc tumbler lock construction. 3,789,638, 2-5-74, Cl. 70-366.000.
Roberts, Maurice; and Peasley, David, to Girling Limited. Permanent assemblies including thermoplastic components and method of assembly. 3,850,483, 11-26-74, Cl. 308-4.00r.
Roberts Mfg., Inc.: *See—*
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Roberts, Michael G.; and Matuszak, Michael L., to Owens-Corning Fiberglas Corporation. Thermoplastic ingredient for molding compounds. 3,843,750, 10-22-74, Cl. 260-862.000.
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Roberts, Peter Clive Buckley, to Bovril Limited. Vertical gel electrophoresis apparatus. 3,856,655, 12-24-74, Cl. 204-299.000.
Roberts, Rene Marie-Joseph: *See—*
Koleske, Joseph Victor; Roberts, Rene Marie-Joseph; and DelGiudice, Frank Paul, 3,825,620.
Roberts, Richard J.; and Kamberg, Eduard F., to Aqua-Not, Inc. Battery-powered auxiliary sump pump. 3,814,544, 6-4-74, Cl. 417-40.000.
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Roberts, Stuart J.; Rosenbaum, Harold; and Inspector, Sol, to Rosenbaum, Harold and said Roberts, Stuart J. assor. to said Inspector, Sol. Animated operator for electrical switches. 3,825,710, 7-23-74, Cl. 200-331.000.
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Roberts, Thomas G.; Rust, Charles M.; Rogers, Billie O.; Pratt, Henry L., III; and Morgan, Robert L., to United States of America, Army. Continuous liquid chemical injector. 3,820,562, 6-28-74, Cl. 137-209.000.
Roberts, Thomas G., to United States of America, Navy. Supersonic chemical transfer laser. 3,832,650, 8-27-74, Cl. 331-94.50p.
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Roberts, Verne L.; and McElhaney, James H., to American Safety Equipment Corporation. Child restraining seat assembly. 3,791,694, 2-12-74, Cl. 297-250.000.
Roberts, Victor B.; Stephenson, Charles V.; and Good, Robert E., Jr. Alarm system having pulse pair coding. 3,852,713, 12-3-74, Cl. 340-164.00r.

Roberts, Walter L., to Superior Continental Corporation. Alarm system utilizing telephone talking pairs. 3,813,500, 5-28-74, Cl. 179-175.20c.
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Robeson, Lloyd M.; Pilato, Louis A.; and Godlewski, Robert E., to Union Carbide Corporation. Impact modified blends of vinyl chloride polymers, lactone graft copolymers and styrene-diene-styrene block copolymers. 3,825,622, 7-23-74, Cl. 260-876.00b.

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Robichaud, Edmund J. Adjustable toolholder. 3,848,486, 11-19-74, Cl. 82-36.00r.

Robillard, Howard George; and Uhtenwoldt, Herbert Rudolph, to Cincinnati Milacron-Heald Corporation. Grinding machine with a cam-controlled dressing apparatus. 3,798,840, 3-26-74, Cl. 51-5.000.

Robin, Harral T., to Westinghouse Electric Corporation. Power transformer having shields for shaping the electric field in the major insulation spaces. 3,845,436, 10-29-74, Cl. 336-84.000.

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Robin, Michael; and Schulte, Sheldon R., to Ashland Oil, Inc. Phosphate esters of hindered phenols. 3,812,220, 5-21-74, Cl. 260-953.000.

Robin, Michael; and Schulte, Sheldon R., to Ashland Oil, Inc. Stabilization of olefin polymers. 3,843,600, 10-22-74, Cl. 260-45.95c.

Robin, Michael; and Schulte, Sheldon R., to Ashland Oil Inc. Stabilization of ethylene polymers. 3,845,013, 10-29-74, Cl. 260-45.95c.

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Robins, Robert George; and Edenborough, Barry William, to Unisearch Limited. Process for the reduction of uranyl salts. 3,801,701, 4-2-74, Cl. 423-261.000.

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Robins, Roland K.; and Khwaja, Tasneem A., to International Chemical & Nuclear Corporation. 3',5' Cyclic monophosphate nucleosides. 3,849,397, 11-19-74, Cl. 260-211.50r.

Robinsehon, John. Liquid level responsive control system. 3,835,335, 9-10-74, Cl. 307-116.000.

Robinsky, Eli I.; Timusk, John; and Riley, Victor R. Carbonization of expanded natural grains. 3,830,903, 8-20-74, Cl. 423-449.000.

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Robinson, Alfred Alexander, to English Electric Company Limited, The. Vacuum type circuit interrupting device with contacts of infiltrated matrix material. 3,818,163, 6-18-74, Cl. 200-144.00d.

Robinson, Alfred G.; and Hagemeyer, Hugh J., Jr., to Eastman Kodak Company. Process for the preparation of 2,2,5,5-tetramethyl-1,3,4,6-hexanetetrol. 3,839,472, 10-1-74, Cl. 260-635.00e.

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Robinson, Art L., to Bear Mfg. Corporation. Proportioning pump. 3,815,621, 6-11-74, Cl. 137-99.000.

Robinson, Barry Samuel John, to Girling Limited. Valves for controlling the flow of hydraulic fluids. 3,814,485, 6-4-74, Cl. 303-50.000.

Robinson, Bruce R.; Munnerlyn, Charles R.; Clapham, Terrance N.; and Horwitz, James W., to Tropel, Inc. Blink compensating method for objective refractor for the eye. 3,802,768, 4-9-74, Cl. 351-39.000.

Robinson, Charles B., 20% to Lee, Raymond, Organization, Inc., The. Combination office furniture. 3,832,001, 8-27-74, Cl. 297-188.000.

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Robinson, Charles C.; and Shaw, Robert R., to American Optical Corporation. Neodymium glass laser having an output at 904 NM. 3,808,146, 4-30-74, Cl. 252-301.40r.

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Robinson, Charles W.; Sims, Wilbert N.; and Archibald, William R., to Marcona Corporation. Apparatus for transporting and handling bulk material. 3,799,620, 3-26-74, Cl. 302-15.000.

Robinson, Clayton F., to Honeywell Inc. Chart transport. 3,825,202, 7-23-74, Cl. 242-67.200.

Robinson, Daniel E.; and Schmidt, Robert A., Jr., to General Cable Corporation. Optical scanning of electrical cable shields. 3,822,945, 7-9-74, Cl. 356-159.000.

Robinson, Daniel E.; and Schmidt, Robert A., to General Cable Corporation. Apparatus for detection of shield imperfections in electrical conductors. 3,841,810, 10-15-74, Cl. 425-113.000.

Robinson, David A. Radar transponder having built-in calibration. 3,803,607, 4-9-74, Cl. 343-17.700.

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Robinson, Donald Nellis, to Pennwalt Corporation. Low-modulus thermoplastic-ethylene-tetrafluoroethylene-hexafluoropropene terpolymers. 3,817,951, 6-18-74, Cl. 260-80.770.

Robinson, Donovan L., to General Motors Corporation. Gas turbine engine power shift transmission power train. 3,851,463, 12-3-74, Cl. 60-39.160.

Robinson, Earl. Child-proof container closure. 3,850,327, 11-26-74, Cl. 215-225.000.

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Robinson, Franklin Davis, to Hughes Tool Company. Pedal force trimming device. 3,833,188, 9-3-74, Cl. 244-17.190.

Robinson, Franklin H.; Rakow, Marvin S.; and Jamieson, Ernest, to Cities Service Oil Company. Hydrocarbon fuel compositions containing hydrocarbyl acid phosphate salts of amino polyamides. 3,804,605, 4-16-74, Cl. 44-66.000.

Robinson, Franklin H.; Rakow, Marvin S.; and Kerschner, Paul M., to Cities Service Oil Company. Lubricant and fuel compositions. 3,844,957, 10-29-74, Cl. 252-32.500.

Robinson, Fredric A. Convertible shopping cart. 3,804,431, 4-16-74, Cl. 280-36.00c.

Robinson, Gene C., to Ethyl Corporation. Detergent builder and sequestering agent. 3,829,383, 8-13-74, Cl. 252-89.000.

Robinson, Gerald Clifford William, to Vanderwell Products Limited. Bearings for railway vehicle axles. 3,838,900, 10-1-74, Cl. 308-43.000.

Robinson, Gilbert A. Message display device. 3,840,700, 10-8-74, Cl. 178-7.200.

Robinson, Gilbert A. Message display device. 3,852,528, 12-3-74, Cl. 178-7.880.

Robinson, Glenn: *See—*
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Robinson, Graham Ernest, to Imperial Chemical Industries Limited. Bicycloheptene-7-syn-carbaldehydes. 3,790,632, 2-5-74, Cl. 260-557.00b.

Robinson, Harry J. Board game apparatus. 3,814,434, 6-4-74, Cl. 273-134.00g.

Robinson, Jack A., to Acme-Lite Manufacturing Co. Universal mount for electronic flash unit. 3,852,790, 12-3-74, Cl. 354-145.000.

Robinson, Jacques D.: *See—*
Applegath, Fred; DuPree, Louis E., Jr.; MacFarlane, Alistair C.; and Robinson, Jacques D., 3,848,012.

Robinson, James H.; and Van Benthuysen, John D., to CTS Corporation. Variable resistance control with differentially resilient contacts. 3,855,565, 12-17-74, Cl. 338-171.000.

Robinson, James L. Cashier's booth. 3,844,232, 10-29-74, Cl. 109-7.000.

Robinson, James R., to Standard Forge and Axle Company, Incorporated. Brake camshaft support assembly. 3,819,242, 6-25-74, Cl. 306-36.100.

Robinson, James S.; and Folzenlogen, Paul D., to Eastman Kodak Company. Process for separating amorphous polyolefins into fractions having different melt viscosities. 3,855,193, 12-17-74, Cl. 260-93.700.

Robinson, Jerrold, to Dimension Weld International Corporation, The. Welding of designs on synthetic plastic material. 3,843,437, 10-22-74, Cl. 156-219.000.

Robinson, Joel P.; and Durning, Paul J., to Union Oil Company of California. Method for constructing sea ice islands in cold regions. 3,849,993, 11-26-74, Cl. 61-46.000.

Robinson, John A.: *See—*
Furon, Leon D.; Robinson, John A.; and Menick, Jack E., 3,828,609.

Robinson, John E.: *See—*
Drummond, Michael E.; and Robinson, John E., 3,828,987.

Robinson, John E.; and Kenney, James W., to Drummond Scientific Company. Microliter fluid delivery apparatus. 3,834,590, 9-10-74, Cl. 222-148.000.

Robinson, John L., to Philco-Ford Corporation. Binary multiplier circuit. 3,794,820, 2-26-74, Cl. 235-164.000.

Robinson, John R. Drinking arrangement for a horse. 3,820,508, 6-28-74, Cl. 119-73.000.

Robinson, John W.; Howard, John W.; Hahn, Robert E.; and Hemming, Donald C., to Revere Copper and Brass Incorporated. Production of chrome tanning composition from waste chromium - copper picklin liquor. 3,822,993, 7-9-74, Cl. 8-94.270.

Robinson, John W.; and Ross, Arthur W., to Jasper Electronics Manufacturing Company. Electronic organ with rhythm attachment employing selective operation of conventional or rhythmic sounds. 3,842,701, 10-22-74, Cl. 84-1.030.

Robinson, Joseph D.: *See—*
Darley, Henry C. H.; and Robinson, Joseph D., 3,784,898.

Robinson, Joseph D., to Shell Oil Company. Pulsed neutron capture logging for determining residual oil. 3,852,593, 12-3-74, Cl. 250-259.000.

Robinson, Joseph Gordon; and Wise, William Sydney, to Coal Industry (Patents) Limited. Treatment of coal extracts. 3,787,343, 1-22-74, Cl. 260-28.000.

Robinson, Keith, to Dowty Fuel Systems, Limited. Fuel systems for aircraft gas turbine engines. 3,784,130, 1-8-74, Cl. 244-76.00j.

Robinson, Keith, to Dowty Fuel Systems Limited. Fuel systems for aircraft gas turbine engines. 3,808,797, 5-7-74, Cl. 60-39.28r.

Robinson, Kenneth. Process for making ferro-cement structures. 3,839,521, 10-1-74, Cl. 264-87.000.

Robinson, Kenneth Buckley, to Thorn Electrical Industries Limited. Lamps. 3,810,684, 5-14-74, Cl. 316-4.000.

Robinson, Kenneth Buckley, to Thorn Electrical Industries Limited. Lamp cap construction. 3,825,785, 7-23-74, Cl. 313-43.000.

Robinson, Kenneth R.; and Willis, Joseph E., to Ashland Oil, Inc. Liquid phase oxidation of condensed-ring aromatic hydrocarbons. 3,855,252, 12-17-74, Cl. 260-385.000.

Robinson, Klas Robert William. Disconnectible pipe union. 3,851,902, 12-3-74, Cl. 285-334.200.

Robinson, Leon: *See—*
Grannen, Edward; and Robinson, Leon, 3,816,356.
Grannen, Edward A.; and Robinson, Leon, 3,843,457.

Robinson, Leroy E.: *See—*
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Robinson, Leroy E., to Phillips Petroleum Company. Blown film tube collapsing. 3,784,347, 1-8-74, Cl. 425-387.000.

Robinson, Morton; and Devor, Donald P., to Hughes Aircraft Company. Laser materials from calcium fluoride-rare earth fluoride expanded lattice structures. 3,786,365, 1-15-74, Cl. 331-94.500.

Robinson, Morton; and Cripe, Donald M., to Hughes Aircraft Company. Crucible. 3,796,552, 3-12-74, Cl. 23-292.000.

Robinson, Murray Clinton, to Spring Chemicals Limited. Process for treating waste sulfite liquor. 3,819,802, 6-25-74, Cl. 423-158.000.

Robinson, Murry Clinton, to Spring Chemicals Limited. Process for treating magnesium-base waste sulfite liquor. 3,812,235, 5-21-74, Cl. 423-158.000.

Robinson, Murry M. Cutting punches for destroying hypodermic syringes. 3,785,233, 1-15-74, Cl. 83-167.000.

Robinson, Neil L.: *See—*
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Robinson, Norman Edgar: *See—*
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Robinson, Norman F.: *See—*
Hanback, Francis J.; and Robinson, Norman F., 3,823,597.
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Robinson, Norman Robert, to Rolls-Royce (1971) Limited. Variable area nozzle for a gas turbine engine. 3,786,992, 1-22-74, Cl. 239-265.390.

Robinson, Paul E. Ball joint puller. 3,791,006, 2-12-74, Cl. 29-201.000.

Robinson, Paul G.; and Anderson, Donald G., to SCM Corporation. Ribbon spool spindle. 3,807,543, 4-30-74, Cl. 197-151.000.

Robinson, Paul Harvey; and Wance, Richard Oren, to RCA Corporation. Method of polishing sapphire and spinel. 3,808,065, 4-30-74, Cl. 156-2.000.

Robinson, Peter, to Imperial Chemical Industries Limited. Method of cleaning. 3,789,007, 1-29-74, Cl. 252-171.000.

Robinson, Peter Anthony: *See*—
Ballard, Denis George Harold; Jones, Eric; Pioli, Alexander Joseph Peter; Robinson, Peter Anthony; and Wyatt, Ronald John, 3,840,508.
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Robinson, Peter G., to Parsons Brothers Limited. Tamperproof closures for containers. 3,850,329, 11-26-74, Cl. 215-254.000.

Robinson, Phillip E.: *See*—
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Robinson, Prentice I.: *See*—
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Robinson, Richard C.: *See*—
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Robinson, Robert Harold. Cartridge string guitar assembly. 3,834,266, 9-10-74, Cl. 84-267.000.

Robinson, Robert W.: *See*—
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Robinson, Roderick: *See*—
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Robinson, Roger R.; and Hardman, Stanley J. Seat mounted food tray with vanity mirror. 3,795,422, 3-5-74, Cl. 297-191.000.

Robinson, Roland L.; Boltz, Chadwick C.; Everson, Evan P.; and Mac Pherson, Douglas E., to Walter Kidde & Company, Inc. Vehicle actuated pneumatic tube system for motor banking. 3,841,584, 10-15-74, Cl. 243-19.000.

Robinson, Ronald Dale, to International Nickel Company, Inc., The. Apparatus for decomposition of metal carbonyls. 3,800,740; 4-2-74, Cl. 118-48.000.

Robinson, Ronald Dale, to International Nickel Company, Inc., The. Decomposition of metal carbonyls. 3,839,077, 10-1-74, Cl. 117-100.00r.

Robinson, Samuel Clifford: *See*—
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Robinson, Samuel Harper, to Hide-A-Lite Industries Ltd. Lighting fixture unit. 3,836,760, 9-17-74, Cl. 240-10.00r.

Robinson, Stephen Joseph: *See*—
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Robinson, Thomas C.: *See*—
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Kitrilakis, Sotiris; and Robinson, Thomas C., 3,814,547.
Kitrilakis, Sotiris; and Robinson, Thomas C., 3,841,837.

Robinson, Thomas K., Jr., to Xerox Corporation. Developing apparatus. 3,811,766, 5-21-74, Cl. 355-3.000.

Robinson, Thomas L., to Astronics Corporation. Solid state electroluminescent X-Y display panels. 3,786,307, Cl. 315-169.0tv.

Robinson, Thomas L., to Cornell Aeronautical Laboratory, Inc. Woven electroluminescent panel. 3,803,437, 4-9-74, Cl. 313-108.00r.

Robinson Waxed Paper Company, Limited, The: *See*—
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Robinson, William; Davis, John Brian; and Skilling, Derek, to Imperial Chemical Industries, Limited. Process and apparatus for the production of tubes and tubular films. 3,819,776, 6-25-74, Cl. 264-40.000.

Robinson, William Derek: *See*—
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Robinson, William Henry, to New Zealand Inventions Development Authority. Cyclic energy absorber. 3,833,093, 9-3-74, Cl. 188-1.00e.

Robinson, William J., Jr., to United States of America, National Aeronautics and Space Administration. Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver. 3,795,910, 3-5-74, Cl. 343-7.500.

Robinson, William M.: *See*—
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Robinson, William P.: *See*—
Trbovich, Nicholas D.; Robinson, William P.; and Trunzo, Eugene R., 3,811,674.

Robishaw, Alces P., to Robishaw Engineering, Inc. Float connection apparatus. 3,805,721, 4-23-74, Cl. 114-.50f.

Robishaw Engineering, Inc.: *See*—
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Robison, Bellie J.; and Lucio, Richard A. D., to Hewlett-Packard Company. Sputtering system. 3,803,019, 4-9-74, Cl. 204-298.000.

Robison, James Ray, to International Telephone and Telegraph Corporation. Claus process control system. 3,854,884, 12-17-74, Cl. 23-253.00a.

Robison, James W.; and Eads, Harold O., to McConough Co. Pole pruner with improved cutting head. 3,835,535, 9-17-74, Cl. 30-249.000.

Robison, Samuel Clifford: *See*—
Pearl, David R.; and Robison, Samuel Clifford, 3,803,960.

Robison, Samuel Clifford; and Gerber, Heinz Joseph, to Gerber Scientific Instrument Company, The. Precise indexing apparatus and method. 3,844,461, 10-29-74, Cl. 226-8.000.

Robitaille, Kenneth L.: *See*—
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Robitschek, Paul: *See*—
Christensen, Ross Leon; and Robitschek, Paul, 3,826,770.

Robl, Robert F., to Aluminum Company of America. Magnetic field control in electrolysis cells. 3,783,121, 1-1-74, Cl. 204-243.00m.

Robles, F. Ernest: *See*—
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Ruger, Verlyn C., 3,813,111.
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Roblin, John M.; Cole, Frank J.; and Reed, William A., to Republic Steel Corporation. Method of vaporizing metal. 3,836,387, 9-17-74, Cl. 117-102.00a.

Roblin,Gerard: *See*—
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Robock, Klaus: *See*—
Breuer, Hans; Gebhart, Josef; and Robock, Klaus, 3,854,045.

Robot Foto und Electronic GmbH & Co. KG: *See*—
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Holzapfel, Jurgen, 3,858,223.
Maronde, Herbert; and Schmidt, Hans Dietrich, 3,816,841.

Robota, Stephen; and Lloyd, Vernon J., to Hooker Chemical Corporation. Formation of highly reactive form of phosphorus pentasulfide. 3,800,028, 3-26-74, Cl. 423-303.000.

Robra, Helmut: *See*—
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Robra, Helmut; and Steinmetz, Alfred, to Schloemann Aktiengesellschaft. Extrusion press having means for removing an extrusion butt therefrom. 3,805,575, 4-23-74, Cl. 72-255.000.

Robrbaugh, Donald G.; Petersen, Everett James, Jr.; Chase, Charles Peter; and Pearson, William Robert, to Beckman Instruments, Inc. Automated chemical analyser system. 3,814,582, 6-4-74, Cl. 23-230.00r.

Robroy Industries: *See*—
Slocum, Fred H., 3,784,236.
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Robson, Bruce H., to Akers, R. M. Method of coating particles and manufacturing of tire tread rubber formulations and the like. 3,850,875, 11-26-74, Cl. 260-42.140.

Robson, Harry E.: *See*—
Sawyer, Willard H.; and Robson, Harry E., 3,838,041.

Robson, Harry E., to Velsicol Chemical Corporation. Hydrocarbon conversion and hydrocracking with layered complex metal silicate and chrysotile composition. 3,804,741, 4-16-74, Cl. 208-110.000.

Robson, Harry E., to Esso Research and Engineering Company. Hydroisomerization of normal paraffinic hydrocarbons with a catalyst composite of chrysotile and hydrogenation metal. 3,848,018, 11-12-74, Cl. 260-683.650.

Robson, Harry E., to Esso Research and Engineering Company. Hydrodenitrogenation of hydrocarbon feedstocks with a catalyst composite of chrysotile and hydrogenation metal. 3,850,746, 11-26-74, Cl. 208-254.00h.

Robson, Harry E., to Exxon Research and Engineering Company. Hydrodesulfurization of hydrocarbon feedstocks with a catalyst composite of chrysotile and Group VIB and/or Group VIII hydrogenation component. 3,852,165, 12-3-74, Cl. 208-216.000.

Robson, John, to Australian Atomic Energy Commission. Process for the production of technetium-99m from neutron irradiated molybdenum trioxide. 3,833,469, 9-3-74, Cl. 176-16.000.

Robson, John Howard; and Marcus, Erich, to Union Carbide Corporation. Piperazinalkyl diacrylates. 3,845,056, 10-29-74, Cl. 260-268.00r.

Robson, Peter: *See*—
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Robson, Wayne Keith: *See*—
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Roby, Michael A., to Rubbermaid Commercial Products Inc. Duckboard fatigue relief mat. 3,846,945, 11-12-74, Cl. 52-177.000.

Roccanova, Frank A., to Phenomenon Productions, Inc. Collapsible cosmetic hair roller. 3,835,871, 9-17-74, Cl. 132-39.000.

Rocchia, Peter A.; and Steffy, Robert M., to Wicker Works, The. Woven and braided furniture. 3,792,899, 2-19-74, Cl. 297-445.000.

Rocci, Salvatore A. Limited tracking repositionable az/el turret type. 3,787,870, 1-22-74, Cl. 343-765.000.

Rocco, William A.: *See*—
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Roch, Gerald V., to Hurco Manufacturing Company, Inc. Back gauge for press brake. 3,812,695, 5-28-74, Cl. 72-36.000.

Roch, Gerald V., to Hurco Manufacturing Company, Inc. Gauging apparatus for presses and the like. 3,820,377, 6-28-74, Cl. 72-461.000.

Roch, Gerald V., to Hurco Manufacturing Company, Inc. Automatic shearing apparatus. 3,821,914, 7-2-74, Cl. 83-155.000.

Roch, Gerald V., to Hurco Manufacturing Company, Inc. Shear mounting for corner shearing machine. 3,828,639, 8-13-74, Cl. 83-390.000.

Roch, Jacques Leon, to Electroglas Inc. Microcircuit test device with multi-axes probe control and probe stop means. 3,851,249, 11-26-74, Cl. 324-158.00p.

Roch, Josef: *See*—
Muller, Erich; Nickl, Josef; Roch, Josef; and Narr, Berthold, 3,850,917.
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Roch, Roger-Henri, to Bolst, J., & Fils S.A. Method and apparatus for maintaining registration in a multistation printing press. 3,806,012, 4-23-74, Cl. 226-2.000.

Roch-Ola Manufacturing Corporation: *See*—
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Rocha, John Gonsalves, to United States of America, Army. Machine gun having dual feeding means for selectively feeding cartridges. 3,802,313, 4-9-74, Cl. 89-130.000.

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Rochat, Daniel, to Ebauches S.A. Timepiece. 3,805,512, 4-23-74, Cl. 58-58.000.

Roche, Arthur F.: *See*—
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Roche, Edward Noland. Seamless edge lamination apparatus. 3,841,369, 10-15-74, Cl. 144-136.00r.

Roche, John M.; and Sawyer, Rene C., Jr., to Perkin-Elmer Corporation, The. Scanning monochromators. 3,822,941, 7-9-74, Cl. 356-100.000.

Roche, Richard M. Hydraulic actuator holding system. 3,795,178, 3-5-74, Cl. 91-420.000.

Roche, William F.: *See*—
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Roche, William J., to GTE Sylvania Incorporated. Low pressure ultraviolet lamp. 3,819,970, 6-25-74, Cl. 313-225.000.

Roche, William J., to GTE Sylvania Incorporated. Single base, self-igniting fluorescent lamp. 3,849,699, 11-19-74, Cl. 315-46.000.

Rochefort, Joseph Guy, to American Home Products Corporation. Cyclic regimen of hormone administration for contraception. 3,795,734, 3-5-74, Cl. 424-238.000.

Rocheleau, Joseph Sarto, Jr.: *See*—
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Rocher, Edouard Yves: *See*—
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Rocher, George; and Vayda, Pierre Andre, to Metallurgical Exoproducts Corporation. Method and apparatus for ladle additions. 3,784,177, 1-8-74, Cl. 266-34.00t.

Rocher, George, to Metallurgical Exoproducts Corporation. Hot top maintaining system for an ingot mold. 3,809,355, 5-7-74, Cl. 249-106.000.

Rocher, George; and Vayda, Pierre Andre, to Metallurgical Exoproducts Corporation. Apparatus for ladle additions. 3,809,380, 5-7-74, Cl. 266-34.00t.

Rocher, George, to Metallurgical Exoproducts Corporation. Protective alloy addition apparatus. 3,841,616, 10-15-74, Cl. 266-34.00t.

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Rochester Shoe Tree Company, Inc.: *See*—
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Rochester, William L., Jr. Choker knob for logging cables and method of making same. 3,844,601, 10-29-74, Cl. 294-78.00r.

Rochet, Jean, to Societe Anonyme dite: Rochet, Jean. S.A. Method for shaping filament supports of a miniature signal lamp. 3,837,371, 9-24-74, Cl. 140-71.500.

Rochette, George Omer. Automatic bars. 3,822,729, 7-9-74, Cl. 141-92.000.

Rochette, Georges Omer. Automatic measuring valve system. 3,838,793, 10-1-74, Cl. 222-76.000.

Rochette, William: *See*—
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Rochford, Paul E.; and Rochford, Celia A., to General Electric Company. Cast resin glow lamp product. 3,818,213, 6-18-74, Cl. 240-10.00r.

Rochfort, William Phillip King, to Kerbit Pty. Ltd. Tandem wheel supports. 3,849,017, 11-19-74, Cl. 404-108.000.

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Rock, Edward J., to Bjorksten, Johan. Method of mixing with inclined rotary kiln to provide metal foam. 3,782,919, 1-1-74, Cl. 75-20.00f.

Rock, Frank C.: *See*—
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Rock, Frank C., to National Controls, Inc. Weight display system and method. 3,812,923, 5-28-74, Cl. 177-1.000.

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Rockefeller, Winston G., to Colgate-Palmolive Company. Dispensing container manufacturing apparatus and methods. 3,832,964, 9-3-74, Cl. 113-1.00b.

Rockerath, John L., to Jet Sew, Inc. Sewing machine material feed mechanism. 3,800,719, 4-2-74, Cl. 112-203.000.

Rockerath, John L., to Jetsew, Inc. Sewing machine cutting machanism. 3,851,605, 12-3-74, Cl. 112-130.000.

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Rockett, Thomas J.; Doig, Alfred R.; Komatsu, Stanley; Evans, John; and O'Connell, John J., to American Hospital Supply Corporation. Bonding of organic materials to inorganic particles. 3,802,909, 4-9-74, Cl. 117-100.00b.

Rockford Screw Products Company: *See*—
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Rockland Industries Ltd.: *See*—
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Rockland Systems Corporation: *See*—
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Rocklin, Albert L.; and Petty, Walter L., to Shell Oil Company. 2,3-Bis(difluoroamino)propyl 2,2-dinitro-propyl carbonate useful in propellants. 3,784,422, 1-8-74, Cl. 149-88.000.

Rocklin, Albert L., to Shell Oil Company. Allyl 2-2-dinitropropyl carbonate. 3,852,320, 12-3-74, Cl. 260-463.000.

Rocklin, Albert L., to Shell Oil Company. Fluorine-containing organic carbonate. 3,856,589, 12-24-74, Cl. 149-109.400.

Rockman, Murray L.; and Cecere, Andrew P., to Gamco Holding Corporation. Apparatus and method for separating fabric sections. 3,797,080, 3-19-74, Cl. 28-17.000.

Rockola, Donald C., to Rock-Ola Manufacturing Corporation. Program for automatic phonograph. 3,798,811, 3-26-74, Cl. 40-77.700.

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Rockstead, Raymond H.; and Hasbrouck, Richard T., to United States of America, Atomic Energy Commission. Method and apparatus for measuring pressures in fluid lines, 3,844,173, 10-29-74, Cl. 73-398.00r.
Rocktaschel, Gottfried; Thurn, Friedrich; Fleischhauer, Horst; Schwarze, Werner; and Westlinning, Hermann, to Deutsche Gold- und Silber-Scheidenstalt vormals Roessler. Sulfur containing organo-organooxysilane, 3,798,196, 3-19-74, Cl. 260-41.50a.
Rockwell, Bruce C., to Dana Corporation. Compression molding apparatus, 3,844,701, 10-29-74, Cl. 425-348.000.
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Rodriguez, Paul L. Mattress or mattress covering of novel shape. 3,843,980, 10-29-74, Cl. 5-327.00r.

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Rodriguez, Rodolfo, to Miles Laboratories, Inc. Method for controlling tremor symptomatic of parkinsonism utilizing 1-(2-pyridyl) piperazine. 3,798,324, 3-19-74, Cl. 424-250.000.

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Roediger, Deborah Lynn. Intravenous safety device. 3,831,625, 8-27-74, Cl. 137-377.000.

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Schuringa, Leffert; and Roefs, Herman Albert Joannes, 3,824,421.

Roehling, Duane J.; and Fradkin, David B., to United States of America, Atomic Energy Commission. Apparatus and method for magnetoplasmadynamic isotope separation. 3,845,300, 10-29-74, Cl. 250-282.000.

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Roehrig, Paul G.; Pappas, Nicholas C.; and Durbin, Robert E., to Carnation Company. Sterile effervescent beverage and process for preparing same. 3,851,071, 11-26-74, Cl. 426-190.000.

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Roehsler, Karl Gustav, to Sartorius-Membranfilter GmbH. Multi-layer filter membrane. 3,855,133, 12-17-74, Cl. 210-490.000.

Roell, William J., to Beloit Corporation. Multi-ply paper forming machine with upward and downward forming runs. 3,856,618, 12-24-74, Cl. 162-299.000.

Roelofs, Hendrik: *See*—
Wesselink, Gustaaf Adolf; and Roelofs, Hendrik, 3,852,630.

Roelofs, Henry M., to Nalco Chemical Company. Ceramic articles. 3,816,572, 6-11-74, Cl. 264-28.000.

Roelofs, Wendell; Kochansky, Jan; and Carde, Ring. Trans-7-cis-9-dodecadien-1-yl acetate. 3,845,108, 10-29-74, Cl. 260-488.00h.

Roelofs, Wendell; Comeau, Andre; and Hill, Ada. Trans-8-trans-10-dodecadien-1-ol as an attractant. 3,852,419, 12-3-74, Cl. 424-84.000.

Roels, Oswald A. Recovery of protein hydrolysate from fish or fish products. 3,836,686, 9-17-74, Cl. 426-376.000.

Roemer, Bruce W., to Barker Manufacturing Company, Inc. Internally reinforced drawer guide. 3,825,310, 7-23-74, Cl. 308-3.600.

Roemer, Leonhard J., Jr. Power capstan for anchor rope and the like. 3,847,378, 11-12-74, Cl. 254-175.700.

Roenick, Karl W.: *See*—
Werner, Tage; and Roenick, Karl W., 3,796,419.

Roenspies, Hans-Christian; and Vogt, Manfred, to Kloeckner-Werke AG. Apparatus for advancing conveyors of mining machines in underground excavations. 3,857,246, 12-31-74, Cl. 61-45.00d.

Roentgen, Paul: *See*—
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Roes, Dieter: *See*—
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Roes, John B., to Metrolab, Inc.; a subsidiary of Cubic Corporation. Method of manufacturing magnetic drum memory apparatus. 3,812,579, 5-28-74, Cl. 29-603.000.

Roesch, Androniki: *See*—
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Roesch, Egon: *See*—
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Roesch, Karl, Inc.: *See*—
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Roeschlein, Eugene R., to United States of America, Navy. Apparatus for testing an amplifier. 3,833,856, 9-3-74, Cl. 330-2.000.

Roese, John A. Liquid crystal stereoscopic television system. 3,821,466, 6-28-74, Cl. 178-6.500.

Roesel, Vernon H. Control apparatus for metalworking tools. 3,797,813, 3-19-74, Cl. 266-23.00m.

Roeser, John O., to Otto Engineering, Inc. Pumping apparatus. 3,802,805, 4-9-74, Cl. 417-398.000.

Roeser, John O., to Otto Engineering, Inc. Temperature and humidity test apparatus. 3,825,723, 7-23-74, Cl. 219-401.000.

Roeser, John O., to Otto Engineering, Inc. Multi-position electrical switch and spring biasing means for universal-type actuator. 3,828,148, 8-6-74, Cl. 200-6.00a.

Roeske, Eugene A. Analog position controller having two stage valve control. 3,856,040, 12-24-74, Cl. 137-488.000.

Roesler, Frank Cornelius: *See*—
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Roessle, Robert. No entry bar lock. 3,806,179, 4-23-74, Cl. 292-259.000.

Roesslein, Helmuth, to Rexroth, G. L., GmbH. Power output regulated pump arrangement. 3,788,774, 1-29-74, Cl. 417-218.000.

Roessler, Manfred: *See*—
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Roffman, Gary L.: *See*—
Talkin, Albert I.; Toda, Kenji; and Roffman, Gary L., 3,813,920.

Rogalski, Frank. Water heating and cooling system with humidity control means. 3,789,918, 2-5-74, Cl. 165-19.000.

Rogalsky, Anatoly Viktorovich; Markevich, Vitaly Mikhailovich; Kheifets, Georgy Naumovich; Zaichenko, Jury Leonidovich; Baburov, Valery Efremovich; Pavlovsky, Vladimir Petrovich; Golban, Eduard Vasilievich; Pechennik, Leonid Naumovich; Knyazhinsky, Zakhar sipovich; Bogatov, Nikolai Alexandrovich; Raichuk, Jury Isaakovich; Zaritsky, Vaktor Nikolaevich; and Grodzitsky, Evgeny Fedorovich. Apparatus for heating and cooling long cylindrical parts. 3,812,909, 5-28-74, Cl. 165-120.000.

Rogasch, Klaus-Peter: *See*—
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Roger, Jacques, to Societe Anonyme de Telecommunications. Process for making electrical contacts of solar batteries and solar batteries made according to this process. 3,793,082, 2-19-74, Cl. 136-89.000.

Roger, Joseph; and Aubry, Claude, to Thomson-CSF. Microwave antenna structure with aperture blocking elimination. 3,797,020, 3-12-74, Cl. 343-756.000.

Roger, Yves, to Regie Nationale des Usines Renault and Automobiles Peugeot. Methods of extruding helical gear blanks. 3,813,909, 6-4-74, Cl. 72-95.000.

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Rogers, Alan B.: *See*—
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Rogers, Betty W. Cover of cervical collars. 3,810,466, 5-14-74, Cl. 128-75.000.

Rogers, Billie O.: *See*—
Roberts, Thomas G.; Rust, Charles M.; Rogers, Billie O.; Pratt, Henry L., III; and Morgan, Robert L., 3,820,562.

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Rogers, Bryant C., to Diacon, Inc. Gaseous discharge display device with embedded electrode segments. 3,840,770, 10-8-74, Cl. 313-517.000.

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Rogers, Charles L. Continuing unit for machine tools. 3,802,304, 4-9-74, Cl. 82-14.00a.

Rogers, Charles M.: *See*—
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Rogers, Chester D., to Olathe Manufacturing Company. Wood and brush chipper. 3,819,121, 6-25-74, Cl. 241-240.000.

Rogers Corporation: *See*—
Bogue, Irving R., 3,843,962.
Chesmer, Alec David; Ankrom, Albert M.; and Vernon, John T., 3,821,905.
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Rogers, Crit H., III; and Rocheleau, Joseph Sarto, Jr., to Rogers Industries, Inc. Male urinal device. 3,835,857, 9-17-74, Cl. 128-295.000.

Rogers, Crosby U. Domestic appliance for pets. 3,793,987, 2-26-74, Cl. 119-1.000.

Rogers, Dayton, Manufacturing Company: *See*—
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Rogers, Donald B.: *See*—
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Rogers, Edward A., to Wilkinson Sword Limited. Hand tools. 3,791,032, 2-12-74, Cl. 30-271.000.

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Rogers, Eugene D. Foam forming device. 3,822,217, 7-2-74, Cl. 252-359.00e.
Rogers, Eugene D. Flow control device. 3,853,784, 12-10-74, Cl. 252-359.00e.
Rogers, Frank J.; and Mac Close, Joe, to Rogers Sales & Service, Inc. Process for manufacture of a plastic conduit connector component. 3,809,737, 5-7-74, Cl. 264-154.000.
Rogers, Franklin A., to Pactide Corporation. Solute metering apparatus. 3,853,478, 12-10-74, Cl. 23-267.00r.
Rogers, Fred A.; and Berend, David, to Wiss, J. & Sons Co. Direct current power supply for electrical appliances. 3,790,810, 2-5-74, Cl. 307-66.000.
Rogers, Frederick: *See*—
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Rogers, George H. Self-cleaning aquarium. 3,785,342, 1-15-74, Cl. 119-5.000.
Rogers, Gerald L., to Chemetron Corporation. Base assembly for swivel lamp. 3,823,906, 7-16-74, Cl. 248-279.000.
Rogers, Gerald L., to Chemetron Corporation. Lamp head assembly. 3,829,679, 8-13-74, Cl. 240-52.00r.
Rogers, Herbert E., Jr.: *See*—
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Rogers, Howard D., to Singer Company, The. Latching mechanism for carriage of a knitting machine. 3,807,198, 4-30-74, Cl. 66-60.000.
Rogers, Howard D.; and Schaeflern, Henry, to Singer Company, The. Knit contour unit for a knitting machine. 3,834,186, 9-10-74, Cl. 66-1.00r.
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Rogers, Jack. Portable valve seat facer. 3,812,628, 5-28-74, Cl. 51-241.0vs.
Rogers, Jack M.; Porter, Charles; and Matesevac, Ronald A., to Avon Products, Inc. Candle. 3,797,990, 3-19-74, Cl. 431-291.000.
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Rogers, Joan H.: *See*—
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Rogers, Joe C.; and Woolley, Brown J. Well pumping method and apparatus. 3,811,510, 5-21-74, Cl. 166-302.000.
Rogers, John L. Apparatus for installing inserts in doors. 3,811,666, 5-21-74, Cl. 269-9.000.
Rogers, John L. Clamp for holding cut-out pattern to a door unit. 3,844,548, 10-29-74, Cl. 269-91.000.
Rogers, John R.: *See*—
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Rogers, Joseph P., Jr.; and Thresher, Richard G., to United States of America, Army. Mine fuze. 3,844,215, 10-29-74, Cl. 102-8.000.
Rogers, Kenneth Arthur: *See*—
Buckman, Kenneth Ernest; and Rogers, Kenneth Arthur, 3,799,354.
Rogers, Kenneth L. Liquid filter. 3,830,368, 8-20-74, Cl. 210-94.000.
Rogers, Kenneth Mathew. Method and device for controlling a multiposition valve. 3,813,080, 5-28-74, Cl. 251-285.000.
Rogers, Leonard O., Jr. Structure for security holding of a helmet on a vehicle. 3,837,545, 9-24-74, Cl. 224-31.000.
Rogers, Louis J., to Ionics, Incorporated. Organic carbon method and analyzer. 3,840,341, 10-8-74, Cl. 23-230.0pc.
Rogers Machinery Company, Inc.: *See*—
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Rogers, Meyric K.: *See*—
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Rogers, Orris A.; Camp, Eldridge K.; and Borgmann, John P., to American Chemical & Refining Company, Incorporated. Platinum clad tantalum anode assembly. 3,856,653, 12-24-74, Cl. 204-286.000.
Rogers, Peter C.; Harrison, Frank B.; Hipkiss, Richard C.; Sunasky, Joseph; and Shapcott, Nigel G., to Dexion-Comino International Limited. Transporter systems. 3,845,718, 11-5-74, Cl. 104-130.000.
Rogers, Philip A., to AMF Incorporated. Ultrasonic wall thickness measurement. 3,808,879, 5-7-74, Cl. 73-67.900.
Rogers, Philip Sydney; and Williamson, James. Devitrified glass with fibrous crystals in parallel relationship. 3,799,836, 3-26-74, Cl. 161-1.000.
Rogers, Richard L., to Texas Royal Manufacturing Company. Boat trailer. 3,812,986, 5-28-74, Cl. 214-84.000.
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Rogers, Robert Kenneth. Method of dyeing and/or washing fabric. 3,807,950, 4-30-74, Cl. 8-175.000.
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Rogers, Thelmer A. Complete pipelayer. 3,789,614, 2-5-74, Cl. 61-72.600.
Rogers, Thelmer A. Vibrating ripper plow. 3,838,740, 10-1-74, Cl. 172-439.000.
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Rogers, W. Clark, Jr.; and Snitzer, Morton, to Lane Company, Inc., The. Rocker recliner chair. 3,815,954, 6-11-74, Cl. 297-271.000.
Rogers, W. Clark, Jr.; and Snitzer, Morton, to Lane Company, Inc., The. Rocker recliner chair. 3,819,229, 6-25-74, Cl. 297-84.000.
Rogers, Waldo L., to Rusco Industries, Inc. Apparatus identification and command system with keyboard control. 3,839,710, 10-1-74, Cl. 340-274.00c.
Rogers, Walter Clark, Jr.; and Snitzer, Morton. Sofa beds. 3,857,121, 12-31-74, Cl. 5-29.000.
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Rogers, William A., to Tanner Engineering Company. Low-friction seal. 3,847,389, 11-12-74, Cl. 277-153.000.
Rogers, William M., Jr., to Johns-Manville Corporation. Block-type wall assembly and method of constructing the same. 3,818,665, 6-25-74, Cl. 52-375.000.
Rogers, William P., to GTE Information Systems, Incorporated. Upshift control for video display. 3,787,833, 1-22-74, Cl. 340-324.0ad.
Rogers, William P. Surgical method for sterilization. 3,820,528, 6-28-74, Cl. 128-1.00r.
Rogers, Winston L. Saliva ejector chin clamp. 3,787,978, 1-29-74, Cl. 32-33.000.
Rogers, Winston L. Tongue controller saliva ejector. 3,802,081, 4-9-74, Cl. 32-33.000.
Rogerson, Jerry B. Fuel vapor-loss control valve and system. 3,782,351, 1-1-74, Cl. 123-136.000.
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Rogge, Lawrence H. Grain moisturizer. 3,817,261, 6-18-74, Cl. 134-56.00r.
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Roggero, Arnaldo; Mazzei, Alessandro; and Proni, Antonio, to Snam Progetti S.p.A. Process for the production of homopolymers and co-polymers of episulphides and product thereof. 3,809,684, 5-7-74, Cl. 260-79.000.
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Rogic, Milorad M.; and Vitrone, John, to Allied Chemical Corporation. Cleavage of enol ethers and ketals. 3,839,407, 10-1-74, Cl. 260-465.400.
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Rogne, Conrad O., Jr.; and Grant, Robert A., to Bendix Corporation, The. Continuously operable underground mining vehicle. 3,813,126, 5-28-74, Cl. 299-33.000.
Rogner, Gerd, to Singer Company, The. Needle thread wiper and pull-back mechanism for sewing machines. 3,847,102, 11-12-74, Cl. 112-252.000.
Rognmo, Tore; and Sjotun, Kvrre, to A/S Kongsberg Vapenfabrikk. Method for supporting a rotating body in generators for missiles and a supporting arrangement for supporting such bodies. 3,826,193, 7-30-74, Cl. 102-70.20g.
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Roh, Peter; and Strunk, Manfred, to Dynamit Nobel Aktiengesellschaft. Self-destructing apparatus for impact-detonating explosive devices. 3,815,505, 6-11-74, Cl. 102-70.2ga.
Rohan, George Alexander, to Kappa Holding A.G. Polychloroprene rubbers. 3,809,567, 5-7-74, Cl. 106-306.000.
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Rohde, Raymond, to Phillips Petroleum Company. Cutting oil compositions. 3,799,875, 3-26-74, Cl. 252-48.800.
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Rohe, Josef; and Staacks, Dieter, to Messer Griesheim GmbH. Device for plasma welding and cutting. 3,783,229, 1-1-74, Cl. 219-121.00p.
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Rohloff, Bennett W. Seed treating device for drill fill augers and the like. 3,841,263, 10-15-74, Cl. 118-303.000.
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Roland, George W.; and Feichtner, John D., to Westinghouse Electric Corporation. Non-linear optical compound, crystal and device. 3,792,287, 2-12-74, Cl. 307-88.300.

Roland, George W.; Feichtner, John D.; and Gottlieb, Milton, to Westinghouse Electric Corporation. Ti_3AsSa crystals and acousto-optical systems. 3,799,659, 3-26-74, Cl. 350-321.000.

Roland, Murray C.: *See—*
Olson, Rich L.; Roland, Murray C.; and Hammond, Clif, 3,836,078.

Roland, Murray C., to International Harvester Company. Unitary cylinder with piston retaining means. 3,853,038, 12-10-74, Cl. 92-128.000.

Roland Offsetmaschinenfabrik Faber & Schleicher AG: *See—*
Abendroth, Paul, 3,826,486.
Abendroth, Paul, 3,839,959.
Conrad, Karl, 3,831,932.
Langer, Karl, 3,824,928.
Presuss, Friedrich; and Simeth, Claus, 3,819,032.
Reutter, Hans; Sendlinger, Fritz; and Alix, Hans, 3,796,427.
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Roland-Yves, Mauvernay; Norbert, Busch; Jacques, Simond; and Jacques, Moleyre, to Centre Europeen de Recherches Mauvernay C.E.R.M. Amino-propyl tetrahydro-1,4-oxazines. 3,806,505, 4-23-74, Cl. 260-247.20a.

Rolando, Gianfranco: *See—*
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Rolatape Corporation: *See—*
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Rolauffs, Hans; Hovens, Hubert; and Schafer, Max, to Maschinenfabrik Carl Zangs Aktiengesellschaft. Shuttle embroidering machine. 3,802,360, 4-9-74, Cl. 112-86.000.

Roldan, Cristobal Martinez, to Laboratorios Made, S.A. Pyridoxal alp ha-ketoglutarate and pyridoxamine alpha-keto glutarate. 3,830,821, 8-20-74, Cl. 260-295.0vb.

Roldan Martinez, Christobal: *See—*
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Roldugin, Vladimir Ivanovich: *See—*
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Rolefson, Jerome F. Position locating device. 3,822,480, 7-9-74, Cl. 33-280.000.

Rolfe, Norman F.: *See—*
Delorenzo, Joseph D.; Durling, Hubert R.; Rolfe, Norman F.; and Ross, Gerald F., 3,839,700.
Rolfe, Norman F. F. J.: *See—*
Zindler, Jerrold; and Rolfe, Norman F. F. J., 3,796,239.
Rolfe, Ormond E., to Owens-Illinois, Inc. Method of decolorizing paper mill effluent liquid. 3,833,464, 9-3-74, Cl. 162-29.000.
Rolff, Jens W., to A/S Stelton. Bank. 3,840,173, 10-8-74, Cl. 232-4.000.
Rolff, Klaus-Peter: *See—*
Goedecke, Heiko; Rolff, Klaus-Peter; and Richter, Freidrich, 3,855,437.
Rolff, Klaus-Peter; and Huhse, Peter, to Siemens Aktiengesellschaft. Electrical contact for high voltage power circuit current. 3,801,764, 4-2-74, Cl. 200-148.00r.
Rolie's Machineworks, Inc.: *See—*
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Rolinson, George Newbol: *See—*
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Rolinson, George Newbolt, to Beecham Group Limited. Micro-organism sensitivity pack. 3,806,424, 4-23-74, Cl. 195-127.000.
Rolison, Darrell Edward: *See—*
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Rolke, Eckehard Herbert; and Sonnek, Werner, to Traub GmbH. Work piece holding device. 3,802,688, 4-9-74, Cl. 269-57.000.
Rolker, John H., to Bell & Howell Company. Method of modifying wax and novel product. 3,808,239, 4-30-74, Cl. 260-398.000.
Roll, Harry: *See—*
Winter, Hermann; Smolinski, Manfred; Wolf, Hans-George; Roll, Harry; Hoffmann, Kurt; and Jacob, Helmut, 3,805,869.
Roll, Harry; Wergau, Jorg; and Dockhorn, Walter, to Chemische Werke Huls Aktiengesellschaft. Continuous emulsion polymerization or copolymerization of vinyl chloride without heavy metal salts. 3,801,560, 4-2-74, Cl. 260-92.80w.
Roll, Henry E.: *See—*
Mills, Harry N.; and Roll, Henry E., 3,823,920.
Roll, Louis C.: *See—*
Houseman, Henry J.; and Roll, Louis C., 3,823,616.
Roll, Ronald G.; Edwards, Charles R.; Moore, Robert C.; Wagner, George D.; and Burek, Ronald K., to United States of America, Navy. Loran assist device. 3,858,217, 12-31-74, Cl. 343-103.000.
Roll, William D. Methods and benzamide compositions for producing CNS depressant and hypotensive activity. 3,808,315, 4-30-74, Cl. 424-304.000.
Roll, William D., to University of Toledo, The. N-cyclopentyl-N-2-hydroxyalkyl-ring-substituted benzamides. 3,825,595, 7-23-74, Cl. 260-558.00r.
Roll, William D., to University of Toledo, The. Methods and nitrobenzamide compositions for producing tranquilizing and hypotensive activity. 3,830,932, 8-20-74, Cl. 424-324.000.
Roll-O-Flex 1970 Ltd.: *See—*
Mauws, Lawrence J., 3,792,743.
Roll-O-Sheets, Incorporated: *See—*
Jackson, Richard S., 3,847,047.
Roll-Rite Corporation: *See—*
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Rolla, Clarence P.: *See—*
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Rolland, Albert, S.A.: *See—*
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Rolland, Thomas P.: *See—*
Matt, Richard J.; and Rolland, Thomas P., 3,815,468.
Rollband, Ernest J. Chopstick assembly. 3,807,781, 4-30-74, Cl. 294-16.000.
Rolle, Albert L., to United States of America, Navy. Sonar image converter. 3,784,805, 1-8-74, Cl. 340-3.00r.
Rolle, Albert L., to United States of America, Navy. Reduced bandwidth processing for ultrasonic image conversion. 3,789,350, 1-29-74, Cl. 340-3.00r.
Rolle, Albert L., to United States of America, Navy. Portable sonar system. 3,800,273, 3-26-74, Cl. 340-3.00r.
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Rollender, William; and Beckford, Orville A. Enteric bacilli differential media. 3,832,288, 8-27-74, Cl. 195-139.000.
Rollenitz, Leopold: *See—*
Broeckl, Heinz; Forch, Friedrich; Freudenschuss, Otto; Kezniekl, Eduard; Patels, Gottfried; and Rollenitz, Leopold, 3,806,244.
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Roller, Hermann; Stritzinger, Heinz; Hartmann, Job-Werner; Falk, Roland; and Balz, Werner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of magnetic recording media. 3,836,395, 9-17-74, Cl. 117-238.000.
Roller, Kent G.: *See—*
Munson, Robert E.; Polson, Jerry H.; and Roller, Kent G., 3,786,376.
Roller, Paul S. Method and apparatus for saline water conversion. 3,814,671, 6-4-74, Cl. 203-7.000.
Roller, Robert F.: *See—*
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Roller, Robert F.; Ferber, Robert R.; and Loptus, Wallace D., to Westinghouse Electric Corporation. Non-destructive eccentricity and insulation thickness measurement system. 3,796,874, 3-12-74, Cl. 250-363.000.
Roller, Thomas W., to Eastman Kodak Company. Cartridge positioning apparatus. 3,782,812, 1-1-74, Cl. 352-72.000.
Rolles, Rolf; and Wallace, Paul F., to Aluminum Company of America. Electrophoretic deposition of acrylic copolymers. 3,798,143, 3-19-74, Cl. 204-181.000.
Rolles, Rolf, to Aluminum Company of America. Precoating of aluminum can sheet. 3,832,962, 9-3-74, Cl. 113-120.00a.
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Rollett, John Mortimer, to Post Office, The. RC active filter circuit. 3,805,178, 4-16-74, Cl. 330-107.000.
Rollfinke, Fred J., to General Electric Company. Rotatable anode for X-ray tubes. 3,851,204, 11-26-74, Cl. 313-330.000.
Rollform Incorporated: *See—*
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Rolli, Hans, to Kebe Anstalt fur Vertrieb von Anlagen fur Kehrichtbeseitigung. Rotary tubular furnaces. 3,830,171, 8-20-74, Cl. 110-14.000.
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Rollin, Claude: *See—*
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Rollins, Forrest Theodore; Kubovich, Frank Steve; Buess, Kenneth Benning; and Hartzell, Donald Joseph, to Naremco, Inc. Method and apparatus for packaging compressible materials. 3,818,673, 6-25-74, Cl. 53-24.000.
Rollins, Lester G.; and McDowell, Glenn S. Cutter chain having bits sets cutting different-advance levels. 3,807,803, 4-30-74, Cl. 299-84.000.
Rollins, Richard R., to Du Pont de Nemours, E. I., and Company. Analgesic apparatus. 3,799,164, 3-26-74, Cl. 128-206.000.
Rollitt, George A., to Massey-Ferguson (Australia) Limited. Cane harvesters. 3,830,046, 8-20-74, Cl. 56-16.500.
Rollo, Edward J., Jr.: *See—*
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Ballard, Norman Edmund, 3,787,305.
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Clark, Kenneth William, 3,820,719.
Crossley, Ian Alexander; Kirk, Geoffrey Eric; Anthony, Norman Howell; and Bamber, Derek Robert, 3,843,279.
Douglas, Joseph, 3,855,864.
Erlund, Mark Nicholas, 3,830,055.
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Higginbotham, Gordon John Spencer; and Cuckson, Kenneth, 3,845,808.
Hooke, Noel Harry; Steel, Thomas; and Bird, Jack Raymond, 3,797,236.
Johnson, Christopher Linley, 3,816,715.
Kay, Christopher John; and Horbury, Eric Anthony, 3,836,473.

Mallinder, Frederick Paul; and Hannah, Clifford George, 3,834,832.
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Rollwitz, William L.; Arambula, John; and Claassen, John P. Method of determining stress in a ferromagnetic member using magnetoabsorption. 3,792,348, 2-12-74, Cl. 324-34.0st.
Rollyson Aluminum Products: *See—*
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Rolm Corporation: *See—*
Smith, John I.; and McKinley, William R., 3,813,653.
Rolniczak, Heinz: *See—*
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Rolock Incorporated: *See—*
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Roma, Peter, to Video Circuits, Inc. Adapter for increasing the capacity of tape recorders. 3,791,609, 2-12-74, Cl. 242-201.000.
Romagnoli, Andrea. Machine for automatically forming a bag and filling same with a dosage of granular material. 3,805,483, 4-23-74, Cl. 53-134.000.
Romagnoli, Andrea, to Industria Macchine Automatiche S.p.A. Incoherent product volumetric batching device for high speed packaging machines. 3,813,848, 6-4-74, Cl. 53-178.000.
Romain, Jean Claude, to Lecourt, Michel, Grenot, Bernard and Projetud. Device for protecting works against liquid masses. 3,851,477, 12-3-74, Cl. 61-4.000.
Romaine, Douglas J., to Crown Zellerbach Corporation. Apparatus for simultaneously applying alternate fluid coatings to a traveling sheet material. 3,830,197, 8-13-74, Cl. 118-104.000.
Roman, Michael H. Apparatus for testing filterable solids content in liquids. 3,782,175, 1-1-74, Cl. 73-61.00r.
Roman, Robert J.: *See—*
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Roman, Steven A., to Shell Oil Company. Piperidine insect control agents. 3,853,888, 12-10-74, Cl. 260-293.510.
Roman, Walter A., to Perkin-Elmer Corporation, The. Heat processor for photographic films. 3,798,790, 3-26-74, Cl. 34-155.000.
Roman, Walter G., to Westinghouse Electric Corporation. Space vehicle. 3,820,325, 6-28-74, Cl. 60-203.000.
Roman, William Clair; and Wilson, Larry Ray, to Motorola, Inc. Method for delineating semiconductor junctions. 3,830,665, 8-20-74, Cl. 156-7.000.
Romanauskas, William A.; and Paulsen, W. Charles, to Sorvall, Ivan, Inc. Centrifuge rotor cover. 3,819,111, 6-25-74, Cl. 233-27.000.
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Romanelli, Antonio. Multiple valve assembly. 3,822,722, 7-9-74, Cl. 137-608.000.
Romanelli, Pat, to Ram Domestic Products Company. Remote meter monitor. 3,852,726, 12-3-74, Cl. 340-188.00r.
Romanenko, Anatoly Mikhailovich: *See—*
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Romankiw, Lubomyr T.: *See—*
Bajorek, Christopher H.; Romankiw, Lubomyr T.; and Thompson, David A., 3,840,898.
Olsen, Judith D.; and Romankiw, Lubomyr T., 3,798,136.
Romankiw, Lubomyr Taras, to International Business Machines Corporation. Elimination of undercut in an anodically active metal during chemical etching. 3,853,715, 12-10-74, Cl. 204-15.000.
Romann, Dale F. Frost-free protective face and head enclosure. 3,818,510, 6-25-74, Cl. 2-9.000.
Romann, Juliette: *See—*
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Romano, Aldo, to Ates Componenti Elettronici S.p.A. Low frequency power amplifier. 3,828,265, 8-6-74, Cl. 330-17.000.
Romano, Carlo: *See—*
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Romano, Enrico. Fluid-operated device for raising warp yarns in looms. 3,853,150, 12-10-74, Cl. 139-55.000.
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Moggi, Pietro; and Romano, Ugo, 3,847,937.
Romano, Ugo; Maoggi, Pietro Entonio; and Mauri, Marcello Massi, to Snam Progetti S.p.A. Process for the oxidative dehydrocyelization of imines. 3,845,072, 10-29-74, Cl. 260-319.100.
Romanos, Nicholas D., to Combustion Engineering, Inc. Shell and tube heat exchanger with central conduit. 3,802,498, 4-9-74, Cl. 165-158.000.
Romanov, Alexeevich Rudolf: *See—*
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Romanov, Boris Mikhailovich; Moshnin, Evgeny Nikolaevich; Yanov, Stanislav Ivanovich; Gurevich, Vladimir Zakharovich; and Ryabokovylenko, Viktor Ivanovich. Machine for manufacturing a coil of a pipe by bending it. 3,845,650, 11-5-74, Cl. 72-310.000.
Romanovsky, Mark Bentsionovich: *See—*
Bondarev, Konstantin Timofeevich; Tykachinsky, Isai Davidovich; Pavlushkin, Nikolai Mikhaiovich; Kataeva, Galina Vasilievna; Kozlovsky, Vikto Stepanovich; Romanovsky, Mark Bentsionovich; Pyatnitskaya, Varvara Vasilievna; and Rud, Svetlana Ivanovna, 3,841,86.
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Romanzi, Louis; and David, Robert Edward, to Irvin Industries, Inc. Safety belt retractor locking device. 3,838,832, 10-1-74, Cl. 242-107.400.
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Romberg, Felix B. Traction gate. 3,825,053, 7-23-74, Cl. 160-328.000.
Romberg, Felix B. Traction gate. 3,844,594, 10-29-74, Cl. 292-66.000.
Romberg, Felix B. Traction gate with camming bar. 3,845,804, 11-5-74, Cl. 160-328.000.
Romberg, Hendrik, to U.S. Philips Corporation. Glass shear. 3,817,133, 6-11-74, Cl. 83-171.000.
Rombi, Pietro; and D'Alfonso, Nunzio, to Alfa Romeo S.p.A. Oil rate regulator for internal combustion engine tightness member. 3,804,201, 4-16-74, Cl. 184-6.100.
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Romelburg, Josef: *See—*
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Romell, Dag. Electrostatic gas-scrubber and method. 3,807,137, 4-30-74, Cl. 55-10.000.

Romeo, Alfa, S.p.A.: *See*—
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Romeo, Donald E.; and Burcham, Neil P., to TRW Inc. MOS integrated circuit structure. 3,848,261, 11-12-74, Cl. 357-71.000.

Romeo, Vincent P.: *See*—
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Romer, Bendt Wegge; and Pedersen, Hans Krstian, to Danfoss A/S. Spring suspension for mounting the motor compressor of a refrigerating machine in its case. 3,790,308, 2-5-74, Cl. 417-363.000.

Romer, Gerhard. Apparatus for compacting fodder or the like. 3,782,273, 1-1-74, Cl. 100-50.000.

Romer, Hans-Konrad: *See*—
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Romere, John M., to AMF Incorporated. End area inspection tool for automated nondestructive inspection. 3,844,164, 10-29-74, Cl. 73-67.80s.

Romero, Alfonso Torrecillas, to Profiltex S.A. Apparatus for the extrusion of synthetic thermoplastic materials. 3,788,613, 1-29-74, Cl. 259-185.000.

Romero, Carlos V. Anti-smog device-filtration mechanism. 3,803,812, 4-16-74, Cl. 55-228.000.

Romero-Sierra, Cesar Aurelio; Caron, Lionel; and Beaudry, Gerard, to Canadian Patents and Development Limited. Brain biological specimen post mortem inspection and preserving vessel. 3,792,854, 2-19-74, Cl. 269-328.000.

Romero-Sierra, Cesru Aurelio; and Tanner, Joseph A., to Canadian Patents and Development Limited. Method of producing collagenic material for the closure of lesions. 3,799,162, 3-26-74, Cl. 128-172.100.

Romes, Roman: *See*—
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Rometsch, Werner: *See*—
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Rometsch, Werner; and Veil, Karl, to Bosch, Robert, G.m.b.H. Hydrostatic drive for automotive vehicles or the like. 3,846,982, 11-12-74, Cl. 60-445.000.

Romey, Ingo; and Koelling, Georg, to Bergwerksverband GmbH. Briquette and process for making the same. 3,836,343, 9-17-74, Cl. 44-25.000.

Romey, Ingo, to Bergwerksverband G.m.b.H. Expansion anchor. 3,854,373, 12-17-74, Cl. 85-82.000.

Romick, Jerome M. Unit-dose medication handling system. 3,826,222, 7-30-74, Cl. 116-121.000.

Romig, Bernard Edwin: *See*—
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Romin, Alvin, Jr.: *See*—
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Romine, Edward L.: *See*—
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Romine, Hugh E., to Continental Oil Company. Preparation of synthetic hydrocarbon lubrication. 3,812,036, 5-21-74, Cl. 252-59.000.

Romine, Hugh Ernest, to Continental Oil Company. Synthetic hydrocarbon lubricant compositions. 3,808,134, 4-30-74, Cl. 252-59.000.

Romney, Russell H. Apparatus and method for producing, commutating and transmitting optical and electronic signals. 3,821,732, 6-28-74, Cl. 340-380.000.

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Ronk, Hugo V., to American La France Inc. Portable fire escape ladder. 3,834,492, 9-10-74, Cl. 182-196.000.

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Rooke, Sydney W.; Grice, Alan; and Davey, Malcolm F., to Sovex Limited. Container loading arrangements. 3,838,763, 10-1-74, Cl. 198-20.00r.

Rooks, Earnest F.; and Lewis, David E., to Columbia Pictures Industries, Inc. Control circuitry for information transmission system. 3,835,387, 9-10-74, Cl. 325-55.000.

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Rose, Jack H., to Massey-Ferguson Inc. Apparatus for directing air flow and sound waves. 3,800,910, 4-2-74, Cl. 181-35.00a.

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Rose, Nathaniel G. Blasting operations. 3,783,789, 1-8-74, Cl. 102-28.00a.

Rose, Ralph B. Car top advertising stand. 3,828,456, 8-13-74, Cl. 40-129.00e.

Rose, Ralph Edward, to Signetics Corporation. Semiconductor structure with bumps. 3,821,785, 6-28-74, Cl. 357-67.000.

Rose, Richard Stephen; and Clark, Burton Parker, to General Electric Company. Burst firing, single barrel, armament. 3,788,191, 1-29-74, Cl. 89-155.000.

Rose, Robert A. Foot measuring device. 3,854,212, 12-17-74, Cl. 33-3.00a.

Rose, Robert E.; and Reti, Adrian, to Millipore Corporation. Filtration and incubation apparatus. 3,844,895, 10-29-74, Cl. 195-139.000.

Rose, Roland. Hand loom. 3,804,127, 4-16-74, Cl. 139-34.000.

Rose, Rolland H. Fastening device. 3,823,526, 7-16-74, Cl. 52-758.00f.

Rose, Russell O., to Davis Walker Corporation. Paper trimmer. 3,802,047, 4-9-74, Cl. 29-200.00d.

Rose, Samuel, to Bio-Response, Inc. Apparatus for use in the augmentation of the production of antibodies in animals and humans and the collection thereof. 3,857,393, 12-31-74, Cl. 128-21.40r.

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Rose, Selwyn H.; and Reynard, Kennard A., to Horizons Incorporated; a division of Horizons Research, Incorporated. Poly(fluoroalkoxyphosphazene)homopolymers. 3,838,073, 9-24-74, Cl. 260-2.00p.

Rose, Selwyn H.; and Reynard, Kennard A., to Horizons Incorporated a division of Horizons Research Incorporated. Elastomeric poly(aryloxyphosphazene) copolymers. 3,856,713, 12-24-74, Cl. 260-2.00p.

Rose, Shelby D. Blood withdrawing means. 3,815,579, 6-11-74, Cl. 128-2.00f.

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Rosekrans, John N., Jr., to Kransco Manufacturing, Inc. Water volleyball net. 3,794,322, 2-26-74, Cl. 273-95.00r.

Roselius, Wilhelm; Vitzthum, Otto; and Hubert, Peter, to Hag Aktiengesellschaft. Method for the production of caffeine-free coffee extract. 3,843,824, 10-22-74, Cl. 426-386.000.

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Roselle, Pierce C.; Evans, David G.; and Bussma, Vaughn R., to Sperry Rand Corporation. Air data computer including DC to synchro signal converter. 3,843,877, 10-22-74, Cl. 235-189.000.

Roselli, Sergio, to Saint-Gobain Industries. Method and apparatus for turning vehicle lights on and off. 3,821,593, 6-28-74, Cl. 315-82.000.

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Rosenbaum, Heinz Jorg; Rudolph, Hans; Dhein, Rolf; and Reinking, Klaus, to Bayer Aktiengesellschaft. Pourable, storable, polymerizable lactam-catalyst-activator composition. 3,790,516, 2-5-74, Cl. 260-18.00n.

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Rosenberg, William E.; and Geduld, Herbert H., to Hull, R. O., & Company, Inc, Composition of baths and additives for electrodeposition of bright zinc from aqueous, alkaline, electroplating baths, 3,803,008, 4-9-74, Cl. 204-554.000.
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Ross, Bernard D, Method and apparatus for longitudinal and rotational alignment of pipe for bending with an automatic pipe bender, 3,839,889, 10-8-74, Cl. 72-32.000.
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Ross, David S., to Hydro-Clear Corporation. Apparatus and method for treating waste liquid. 3,792,773, 2-19-74, Cl. 210-42.000.
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Ross, David S., to Hydro-Clear Corporation. Underdrain structure for waste effluent filter and method of using same. 3,840,117, 10-8-74, Cl. 210-80.000.
Ross, Donald, to Automatic Timing & Controls, Inc. Analog to digital converter employing grooved disc. 3,813,668, 5-28-74, Cl. 340-347.00p.
Ross, Donald R., Jr., to U-S Safety Trolley Corporation. Trolley rails with expansion joints between them. 3,801,751, 4-2-74, Cl. 191-44.100.
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Ross, George, to Clow Corporation. Stabilization system for a floating water aerator. 3,846,517, 11-5-74, Cl. 261-91.000.
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Ross, Gerald F.; Delorenzo, Joseph D.; and Lamensdorf, David, to Sperry Rand Corporation. Transmission line presence sensor. 3,801,976, 4-2-74, Cl. 340-258.00r.
Ross, Gerald F., to Sperry Rand Corporation. Vehicle protective system. 3,805,497, 4-23-74, Cl. 56-10.400.
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Ross, Keith, to Go-Con Concrete, Limited. Dispensing of a material into a mould. 3,833,693, 9-3-74, Cl. 264-40.000.
Ross, Larry. Keyboard actuator. 3,805,939, 4-23-74, Cl. 197-19.000.
Ross, Lee E. Automobile deceleration indicating device. 3,821,701, 6-28-74, Cl. 340-71.000.
Ross, Lee F.; Wilkinson, James E.; Craig, Fred A.; and Hudson, Allan M., to Thiokol Chemical Corporation, mesne. Apparatus for molding rigid product from synthetic resinous material. 3,837,774, 9-24-74, Cl. 425-144.000.
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Ross, William C., to Consolidated Educational Publishing, Inc. Self-adjusting plural blade cutting roller with cushioned anvil roller. 3,823,633, 7-16-74, Cl. 83-346.000.
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Rossberger, Franz, to Deckel, Friedrich, Aktiengesellschaft. Method and stylus for copy milling. 3,791,259, 2-12-74, Cl. 90-62.00r.
Rossborg, Werner, to Alfa-Laval Bergedorfer Eisenwerke GmbH. Shuttle loom. 3,851,677, 12-3-74, Cl. 139-125.000
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Rossell, Gary L.; Fleischer, Paul C., Jr.; and Seifer, Maurice L., to Rohm and Haas Company. Laminar reinforcement element and method for reinforcing textile garments. 3,834,979, 9-10-74, Cl. 161-146.000.
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Rossi, Alberto, to Ciba-Geigy Corporation. α-Phenyl-fatty acids substituted by azacycloalkyl residues and their derivatives. 3,801,581, 4-2-74, Cl. 260-293.720.
Rossi, Alberto, to Ciba-Geigy Corporation. α-Phenyl-fatty acid compounds. 3,822,309, 7-2-74, Cl. 260-515.00r.
Rossi, Alberto, to Ciba-Geigy Corporation. 4-[para-(1-hydroxyethyl)-phenyl] piperidines. 3,853,892, 12-10-74, Cl. 260-293.760.
Rossi, Anthony T. High speed automatic casing machine. 3,805,484, 4-23-74, Cl. 53-159.000.
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Rossi, Anthony T., to Tropicana Products, Inc. Cap for container. 3,856,171, 12-24-74, Cl. 215-256.000.
Rossi, Armando. Process and apparatus for extending the range of a digital to analog converter to be used with a strip recorder. 3,846,785, 11-5-74, Cl. 340-347.0da.
Rossi, Carl J., to Lee Pharmaceuticals, mesne. Dental restorative material of improved polishability. 3,792,531, 2-19-74, Cl. 32-15.000.
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Rossi, Eugene F., to Allis-Chalmers Corporation. Nozzle for rotary kiln. 3,784,107, 1-8-74, Cl. 239-208.000.
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Rossi, Lionello, to Alpeggio Investimento S.A. Pump for pumping pasty masses, for example, concrete. 3,807,908, 4-30-74, Cl. 417-481.000.
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Rousseau, Robert J.; and Ivanovics, George A., to ICN Pharmaceuticals, Inc. 2-Azainosine, 3,803,126, 4-9-74, Cl. 260-211.50r.
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Rouyer, Georges Aimable Theophile; and Fremont, Maurice Henri Louis, to Societe National Industriele Aerospatiale. Method and machine for corrugating or pleating sheet metal, 3,834,199, 9-10-74, Cl. 72-38.000.
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Rudinsky, Julius A. Method for the control of the Douglas Fir beetle. 3,830,935, 8-20-74, Cl. 424-331.000.

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Rudloff, Bernard Opening and individual separation of fibers. 3,848,296, 11-19-74, Cl. 19-81.000.

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Rudolph, Hans: *See*—

Bockmann, August; Rudolph, Hans; and Nouvertne, Werner, 3,836,490.
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Rue, Howard M., to Sun Oil Company of Pennsylvania. Electrolytic copper release agent. 3,826,668, 7-30-74, Cl. 106-285.000.

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Ruegg, Edwin, to Maschinenfabrik und Giesserei Netstal AG. Injection molding machine including a fixed platen supporting nozzle assembly mounting flanges. 3,817,679, 6-18-74, Cl. 425-450.00r.

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Ruf, Max; and Steinwart, Johannes, Rotor for rotary combustion engines. 3,802,811, 4-9-74, Cl. 418-113.000.

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Rufenacht, Kurt, to Ciba-Geigy Corporation. Pyrido-1,2,3-triazines. 3,857,840, 12-31-74, Cl. 260-248.0as.

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Rufer, Clemens; Schroder, Eberhard; and Kessler, Hans-Joachim, to Schering Aktiengesellschaft. Pharmaceutical compositions comprising 3-(5-nitro-2-imidazolyl-methylenamino)-2-oxazolidinones and their use in trichomoniasis. 3,839,567, 10-1-74, Cl. 424-248.00.

Ruff, Claus Werner, to Loewe-Opta GmbH. Method of processing a spent copper etching solution for reuse in an electroless copper recovery baths. 3,855,141, 12-17-74, Cl. 252-79.200.

Ruff, Gotfried G. Dump body for pick-up truck. 3,826,534, 7-30-74, Cl. 298-1.00a.

Ruff, Herbert L. Dental brace band for upper incisor teeth. 3,824,690, 7-23-74, Cl. 32-14.00a.

Ruff, Paul H.; and Schnur, Jerome C., to Tryco Manufacturing Company, Inc. Modular structure transporting apparatus. 3,786,951, 1-22-74, Cl. 214-512.000.

Ruff, Stanley, to Maryland Cup Corporation. Bondling method and article produced thereby. 3,788,463, 1-29-74, Cl. 206-65.00s.

Ruffinatti, Giovanni, to Ruffinatti, Giovanni, & Co., S.A.S. Machine for drawing sugar based plastic material. 3,825,234, 7-23-74, Cl. 259-186.000.

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Ruger, Verlyn C., to Roblin Industries, Inc. Bumper construction for shopping cart. 3,813,111, 5-28-74, Cl. 280-33.99r.

Ruger, Verlyn C., to Roblin Industries, Inc. Front gate construction for shopping cart. 3,815,932, 6-11-74, Cl. 280-33.99f.

Ruger, William B., to Sturm, Ruger & Co., Inc. Revolver crane latch. 3,813,804, 6-4-74, Cl. 42-62.000.

Ruger, William B., to Sturm, Ruger, & Co., Inc. Hammer deactivator means. 3,838,533, 10-1-74, Cl. 42-70.00f.

Ruger, William B.; and Sefried, Harry H., II, to Sturm, Ruger & Co., Inc. Bolt latch for auto loading firearm. 3,846,928, 11-12-74, Cl. 42-16.000.

Ruger, William B.; and Sefried, Harry H., II, to Sturm, Ruger & Co., Inc. Burst fire mechanism for auto-loading firearm. 3,847,054, 11-12-74, Cl. 89-129.00b.

Ruger, William B.; and Sefried, Harry H., II, to Sturm, Ruger & Co., Inc. Slide guide for rifles. 3,857,323, 12-31-74, Cl. 89-191.00r.

Ruget, Gabriel, to Compagnie des Ateliers et Forges de la Loire; Saint Chamond; Firminy; Saint Etienne; Jacob Holtzer; C.A.E.L. Manufacture of hollow cylindrical bodies. 3,789,908, 2-5-74, Cl. 164-52.000.

Ruggeberg, August, Firma: *See*—
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Ruggen, Werner: *See*—
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Ruggiero, Edward M.: *See*—
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Ruggles, Kay, to Directional Industries, Incorporated. Modular furniture or like articles and modular units therefor. 3,826,206, 7-30-74, Cl. 108-64.000.

Ruh, Gerhard, to Olympia Werke AG. Multiple pitch margin stop device. 3,834,508, 9-10-74, Cl. 197-63.000.

Ruh, Gerhard, to Olympia Werke AG. Function controlling margin stop arrangement. 3,834,509, 9-10-74, Cl. 197-63.000.

Ruhchemie Aktiengesellschaft: *See*—
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Ruhl, Charles A. H.; Meyer, Edward; and Chatterjea, Probir K., to International Harvester Company. Hydrostatic transmission control with hydraulic follow-up. 3,782,489, 1-1-74, Cl. 180-6.480.

Ruhl, Charles A. H.; Meyer, Edward; and Chatterjea, Probir K., to International Harvester Company. Hydrostatic transmission control with hydraulic follow-up. 3,804,122, 4-16-74, Cl. 137-625.660.

Ruhl, Hermann. Pen chart analyser. 3,829,660, 8-13-74, Cl. 235-61.60a.

Ruhland, Alois: *See*—
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Ruhle, Helmut W., to Esso Research and Engineering Company. Disproportionation process. 3,832,417, 8-27-74, Cl. 260-683.00d.

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Ruider, Guenther; and Dimroth, Peter. AZO dye of A 3-aminophthalimide and containing carbamoyl moieties. 3,825,527, 7-23-74, Cl. 260-152.000.

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Rulsch, Roy M., to Aqua-Chem, Inc. Method and apparatus for chemical waste disposal. 3,826,604, 7-30-74, Cl. 431-12.000.

Rumbel, Keith E.: *See*—
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Rumbold, Bernhard Carl; and Cartwright, John Edward, to Foseco International Limited. Heat-insulating antipiping compositions. 3,811,898, 5-21-74, Cl. 106-38.028.

Rumell, James A. Transport vehicle with portable cargo container. 3,788,683, 1-29-74, Cl. 296-35.00a.

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Rumi, Guerrino; and Rumi, Angiolino. Circular knitting machine. 3,838,583, 10u1-74, Cl. 66-95.000.

Rummel, John A.; and Perry, Cortes L., to United States of America, National Aeronautics and Space Administration. Metabolic analyzer. 3,799,149, 3-26-74, Cl. 128-2.070.

Rummel, Ralph R. Attachments for lanterns. 3,804,075, 4-16-74, Cl. 126-258.000.

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Rumpel, Harvey R., to Universal Oil Products Company. Seat belt anchor mechanism for adjustable seat. 3,811,727, 5-21-74, Cl. 297-385.000.

Rumpf, Hans: *See*—
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Rumpff, Dieter, to Krauss-Maffei Aktiengesellschaft. Device for mixing two components. 3,799,199, 3-26-74, Cl. 137-625.400.

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Rumpold, Karl: *See*—
Higatsberger, Michael J.; Rumpold, Karl; and Franz, Viehbock, 3,805,079.

Rumpold, Karl O.: *See*—
Higatsberger, Michael J.; Rumpold, Karl O.; and Viehbock, Franz P., 3,812,364.

Rumsey, Rolling Douglas. Rotary gear motor/pump having hydrostatic bearing means. 3,833,317, 9-3-74, Cl. 418-77.000.

Rumstein, Melvin. Traffic controller training aid. 3,830,951, 8-20-74, Cl. 35-10.400.

Rumyantsev, Alexei Ilich: *See*—
Yarovinsky, Lazar Matveevich; and Rumyantsev, Alexei Ilich, 3,849,189.

Rumyantsev, Vladimir Georgievich: *See*—
Motov, David Lazarevich; Konstantinov, Vladimir Ivanovich; Rumyantsev, Vladimir Georgievich; Belokoskov, Valentin Ivanovich; Ude, Eduard Osvaldovich; Babkin, Artur Grigorievich; Metelkin, Alexandr Ivanovich; Suchkov, Vasily Georgievich; Kolesikova, Nina Ivnovna; Motovilin, Alexandr Vasilievich; Rusakova, Nina Trofimovna; Nikonova, Tatyana Vladimirovna; Polyaninova, Nina Ivanovna; Sinenko, Mikhail Grigorievich; Krylova, Irina Fedorovna; and Yakutin, Vladimir Mikhailovich, 3,852,431.

Runci, Joseph O.: *See*—
Knyszek, Edward P.; and Runci, Joseph O., 3,806,197.
Knyszel, Edward P.; and Runci, Joseph O., 3,802,739.

Runck, Alan H.; and Valeri, Cesare Robert, to United States of America, Navy. Linear gradient generator. 3,832,139, 8-27-74, Cl. 23-253.00r.

Runckel, William J.: *See*—
Forsythe, David M.; and Runckel, William J., 3,844,863.

Rundberg, Sten I., to Lee, Raymond, Organization, Inc., The. Flashlight unit. 3,809,321, 5-7-74, Cl. 240-10.630.

Rundell, Dan Joseph: *See*—
Sargisson, Donald Farley; and Rundell, Dan Joseph, 3,841,091.

Rundell, Herbert A., to Texaco, Inc. Heavy-duty torque coupling. 3,823,607, 7-16-74, Cl. 73-136.00a.

Rundell, John Trethowan; and Pottage, Paul Richmond, to Tate & Lyle Limited. Apparatus for the separation of suspended solids from liquids. 3,834,541, 9-10-74, Cl. 210-219.000.

Rundell, John Trethowan; and Pottage, Paul Richmond, to Tate & Lyle Limited. Separation of suspended solids from liquids. 3,853,616, 12-10-74, Cl. 127-48.000.

Rundle, Alfred T., to International Business Machines Corporation. Optimum scan angle determining means. 3,831,146, 8-20-74, Cl. 340-146.30h.

Rundle, Frederick Stanley, to Shepard Niles Crane & Hoist Corporation. Latching mechanism for telescoping lifting apparatus. 3,848,703, 11-19-74, Cl. 187-73.000.

Rundqvist, Lars-Goran, to AB Celleco. Method and apparatus for cleaning strainers. 3,816,176, 6-11-74, Cl. 134-34.000.

Rundqvist, Lars-Goran, to AB Celleco. Apparatus for treating material suspended in water. 3,827,567, 8-6-74, Cl. 210-414.000.

Rune, Par Axel. Corner joint for frame structures. 3,845,604, 11-5-74, Cl. 52-758.00h.

Runcell, Herbert A.: *See*—
Stelzer, Roland B.; Park, Jack H.; and Runcell, Herbert A., 3,805,606.

Rung, Darrell G. Belt slitting apparatus. 3,803,959, 4-16-74, Cl. 83-18.000.

Runge, Charles H. Wire nut wrench. 3,787,948, 1-29-74, Cl. 29-203.00h.

Runge, Donald G.: *See*—
Charles, Malcolm Jean; and Runge, Donald G., 3,814,163.

Runge, Ernst-Georg; and Klar, Erich, to Siemens Aktiengesellschaft. Apparatus for determining neutron flow density over a large area in a nuclear reactor. 3,854,048, 12-10-74, Cl. 250-390.000.

Runge, Heinz F., to Kraftco Corporation. Method of making dispensers. 3,821,046, 6-28-74, Cl. 156-69.000.

Runge, Richard J., to Chevron Research Company. Triple coil induction logging method for determining dip, anisotropy and true resistivity. 3,808,520, 4-30-74, Cl. 324-6.000.

Runge, Wallace F.; and Edwards, Donald W., to Commercial Solvents Corporation. Low-temperature liquid explosive composition. 3,798,092, 3-19-74, Cl. 149-89.000.

Runge, Wilhelm: *See*—
Dickopp, Gerhard; Berlin, Helmut Batsch; and Runge, Wilhelm, 3,800,099.

Runge, Wilhelm, to TED Bildplattne Aktiengesellschaft. Method for storing and playing back signals on a carrier. 3,800,100, 3-26-74, Cl. 179-100.40c.

Runggas, Friedrich: *See*—
Plum, Hans; Runggas, Friedrich; Von Haaren, Manfred; and Krase, Horst, 3,854,960.

Runkle, Donald L.; and Hughes, Charles N., to General Motors Corporation. Rotary engine and transmission assembly mounting system. 3,825,090, 7-23-74, Cl. 180-64.00r.

Runkle, Donald R.: *See*—
Lazarchik, Robert E.; Roeder, Robert S.; and Runkle, Donald R., 3,787,857.

Runninger, Frederick L., to Dunham-Bush, Inc. One piece radial vane diffuser and method of manufacturing the same. 3,845,903, 11-5-74, Cl. 239-406.000.

Runstetler, Roy H. Oil purifying means employed in connection with internal combustion engines. 3,845,751, 11-5-74, Cl. 123-196.00a.

Runte, Herbert, to Harre, Aug., & Co. Mailer for biological samples. 3,819,081, 6-25-74, Cl. 220-17.000.

Runyan, Clark M.: *See*—
Grochowicz, Peter S., 3,841,756.

Runyan, Kenneth R.; Honnert, Quentin E.; and Porter, Ronald H., to Multifold-International, Inc. Machine for cooling and stacking flat printed articles. 3,850,314, 11-26-74, Cl. 214-6.00p.

Runyan, Walter R.: *See*—
Bean, Kenneth E.; Gleim, Paul S.; and Runyan, Walter R., 3,838,441.

Ruopp, Donald: *See*—
Brown, Bernard B.; Harmetz, Ronald; and Ruopp, Donald, 3,840,545.

Ruoss, Christian W.: *See*—
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Steinwart, Johannes; and Rup, Max, 3,836,294.

Rupe, Chauncey Orvis: *See*—
Bauer, Robert; Rosenfield, Richard Gordon; and Rupe, Chauncey Orvis, 3,811,840.

Rupert, Donald N., Jr., to Dole Refrigerating Company. AC-DC plate refrigeration air system. 3,851,496, 12-3-74, Cl. 62-406.000.

Rupert, Edward J.; Meyer, Monroe W.; and Uhland, Gerald E., to United States of America, Air Force. Vacuum brazing tantalum alloys. 3,846,903, 11-12-74, Cl. 29-487.000.

Rupert, Gary F.: *See*—
Check, John M.; and Rupert, Gary F., 3,826,484.
Check, John M.; and Rupert, Gary F., 3,855,442.

Rupert, Robert J., to Bucyrus-Erie Company. Hydraulic crowd cable take-up system. 3,843,095, 10-22-74, Cl. 254-173.00b.

Rupert, William A. Automatic valve adapter. 3,829,059, 8-13-74, Cl. 251-26.000.

Rupp, Dean C., 1/2 to Rupp Industries, Inc. and Passpoint Corporation. Vehicle drying assembly. 3,805,410, 4-23-74, Cl. 34-225.000.

Rupp, Hans-Dieter: *See*—
Magerlein, Helmut; Meyer, Gerhard; and Rupp, Hans-Dieter, 3,790,627.
Siggel, Erhard; Meyer, Gerhard; Grotjahn, Heinz; Maegerlein, Helmut; Rupp, Hans-Dieter; Jacobs, Eckart; and Wallrabenstein, Michael, 3,839,244.

Rupp, Hans-Dieter; Meyer, Gerhard; Zengel, Hans-Georg; and Magerlein, Helmut, to Akzo N.V. Process for producing trichloromethane sulfenyl chloride. 3,808,270, 4-30-74, Cl. 260-543.00h.

Rupp Industries, Inc.: *See*—

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Rupp, Warren, Company, The: *See*—
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Rupp, Warren E., 3,814,548.

Rupp, Warren E., to Rupp, Warren, Company, The. Slide valve apparatus. 3,782,863, 1-1-74, Cl. 417-393.000.

Rupp, Warren E., to Rupp, Warren, Company, The. Diaphragm pump apparatus. 3,814,548, 6-4-74, Cl. 417-395.000.

Rupp, Wiktor, to Itek Corporation. Apparatus for simultaneously performing rough and fine grinding operations. 3,816,997, 6-18-74, Cl. 51-124.001.

Rupp, Wiktor J., to Itek Corporation. Toric surface generating method and apparatus. 3,824,742, 7-23-74, Cl. 51-54.000.

Rupp, William C., to Chandler & Price Company, The. Auxiliary folder. 3,804,399, 4-16-74, Cl. 270-62.000.

Ruppa, Aaro Arvo. Fishing rod. 3,813,807, 6-4-74, Cl. 43-15.000.

Ruppe, Robert C.; and Woltzen, Herschel E., to Nixdorff Krien Mfg. Connector hook. 3,797,229, 3-19-74, Cl. 59-93.000.

Rupprecht, Herbert Albert: *See*—
Cerny, Louis Joseph; and Rupprecht, Herbert Albert, 3,840,709.

Rupprecht, Kenneth J., to Globe Manufacturing Company. Knit yarn package. 3,827,261, 8-6-74, Cl. 66-195.000.

Ruralist Press, Inc.: *See*—
Pugh, K. O.; Ivey, Howard; and Cobb, Austell C. A., 3,824,927.

Rusak, Vasil, to De Laval Turbine Inc. Low specific speed compressor. 3,788,765, 1-29-74, Cl. 415-213.000.

Rusakova, Nina Trofimovna: *See*—
Motov, David Lazarevich; Konstantinov, Vladimir Ivanovich; Rumyantsev, Vladimir Georgievich; Belokoskov, Valentin Ivanovich; Ude, Eduard Osvaldovich; Babkin, Artur Grigorievich; Metelkin, Alexandr Ivanovich; Suchkov, Vasily Georgievich; Kolesikova, Nina Ivnovna; Motovilin, Alexandr Vasilievich; Rusakova, Nina Trofimovna; Nikonova, Tatyana Vladimirovna; Polyaninova, Nina Ivanovna; Sinenko, Mikhail Grigorievich; Krylova, Irina Fedorovna; and Yakutin, Vladimir Mikhailovich, 3,852,431.

Rusbach, Maurice, to Sarmac S.A. Self propelled projectile with fins. 3,819,132, 6-25-74, Cl. 244-3.280.

Rusch, David T., to ICI America Inc. Process for preparing aqueous emulsion of proteinaceous food products. 3,793,464, 2-19-74, Cl. 426-89.000.

Rusch, Dieter: *See*—
Rodeț, Wolfgang; Volkner, Wolfgang; and Rusch, Dieter, 3,825,371.

Rusch, Kenneth C.: *See*—
Beck, Robert H.; and Rusch, Kenneth C., 3,856,424.

Rusch, Raymond: *See*—
Weiss, Francis; and Rusch, Raymond, 3,853,945.

Ruschenburg, Ernst, to Deutsche Texaco Aktiengesellschaft. Process for treating waste water from industrial processes. 3,804,757, 4-16-74, Cl. 210-59.000.

Ruscher, Markus; and Kruckels, Walter, to Maschinenfabrik Zell J. Kruckels KG. Regulated windup apparatus. 3,804,348, 4-16-74, Cl. 242-67.10r.

Ruschig, Heinrich; Schmitt, Karl; Mohler, Werner; Gobel, Axel; and Lindner, Ernst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Heters cyclic ethers of piperazine nalkanols. 3,787,411, 1-22-74, Cl. 260-268.0ph.

Ruschig, Heinrich; Meixner, Willi; and Alpermann, Hans Georg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Aminothiophene-carboxylic acid esters. 3,795,681, 3-5-74, Cl. 260-332.20c.

Ruschig, Heinrich; Duwel, Dieter; and Konig, Johann, to Farbwerke Hoechst Aktiengesellschaft. Diacyloxy-benzoic acid anilides. 3,808,261, 4-30-74, Cl. 260-468.00j.

Ruschig, Heinrich; Schorr, Manfred; Muschaweck, Roman; and Rippel, Robert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 3-Aminoacylamino thiophenes. 3,855,243, 12-17-74, Cl. 260-332.20c.

Ruschke, Lawrence J., Jr.: *See*—
Wagner, Everett F.; Sidlo, Joseph J.; and Ruschke, Lawrence J., Jr., 3,812,307.

Ruscitti, Tomaso, to Coster Tecnologie Speciali S.p.A. Valve for delivering a liquid from an aerosol container. 3,823,849, 7-16-74, Cl. 222-96.000.

Rusco Industries, Inc.: *See*—
Kramer, David C., 3,811,977.
Miller, Richard A., 3,828,376.
Rogers, Waldo I., 3,839,710.

Rusco, Samuel G.: *See*—
Karkau, Lawrence E.; and Rusco, Samuel G., 3,857,602.

Ruse, Edward: *See*—
Talbot, Richard C.; Ruse, Edward; and Roth, Robert A., 3,785,255.

Ruseff, Walter Z.: *See*—
Hein, Allyn J.; Norick, William B.; Ruseff, Walter Z.; and Tribley, Gilber, 3,830,594.

Rush, Charles D. 90/90 traction board. 3,800,787, 4-2-74, Cl. 128-75.000.

Rush, Elton E.: *See*—
Janzen, Jay; and Rush, Elton E., 3,807,704.

Rush, James M., to Lee, Raymond, Organization, Inc., The. Temperature adjusting water faucet device. 3,791,409, 2-12-74, Cl. 137-597.000.

Rush, Julian Lee: *See*—
Rothwell, Ronald Edward; Cipriani, Cipriano; and Rush, Julian Lee, 3,834,977.

Rush, Michael M.; Subers, John E., Jr.; and Herring, Peter C., to Expert Precision Electronic Research. Video camera and receiver system for producing enlarged images of work. 3,819,855, 6-25-74, Cl. 178-7.810.

Rush, Robert L.; Leon, Luis P.; and De Lea, Anne C., to Technicon Instruments Corporation. Diagnostic compositions for glutamic oxalic transaminase (GOT) and glutamic pyruvic transaminase (GPT) determinations. 3,819,488, 6-25-74, Cl. 195-103.50r.

Rush, Robert L.; and Vlastelica, Daniel L., to Technicon Instruments Corporation. Turbidity reduction in serum and plasma samples using polyoxyethylated lauric acid compounds. 3,853,465, 12-10-74, Cl. 23-230.00b.

Rush, William F.: *See*—
Macriss, Robert A.; Rush, William F.; and Weil, Sanford A., 3,844,737.

Rush-Hampton, Inc.: *See*—
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Harich, Jakob, 3,852,436.

Rushin, Eugene. Tri-square drawing board. 3,826,006, 7-30-74, Cl. 33-76.00r.

Rushing, Frank C.; Gilbert, Lynford W.; and Williams, Norman P., to Westinghouse Electric Corporation. Reflector. 3,843,238, 10-22-74, Cl. 350-310.000.

Rushing, Heinrich; Duwel, Dieter; and Konig, Johann, to Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning. Diacyloxy-benzoic acid anilides. 3,792,054, 2-12-74, Cl. 260-293.640.

Rushing, Sandy S., Jr.: *See*—
Athy, Lawrence F., Jr., Rushing, Sandy S., Jr.; and Nicholson, Gordon B., III, 3,788,341.

Rushing, Wilford A.; and Sulzberger, Robert D. Signal light. 3,787,675, 1-22-74, Cl. 240-10.6sd.

Rushmere, John Derek, to Du Pont de Nemours, E. I., and Company. Acid zinc electroplating. 3,822,194, 7-2-74, Cl. 204-55.00r.

Rushmere, John Derek, to Du Pont de Nemours, E. I., and Company. Zinc electroplating additive. 3,823,076, 7-9-74, Cl. 204-55.00r.

Rushmere, John Derek, to Du Pont de Nemours, E. I., and Company. Acid zinc electroplating electrolyte, process and additive. 3,855,085, 12-17-74, Cl. 204-55.00r.

Rushton, Harold; and Blackledge, Keith, to British Leyland Truck and Bus Division, Limited. Rack and pinion steering gear. 3,814,202, 6-4-74, Cl. 180-79.20r.

Rushton, Robert C., Jr. Milk collector and shield for nursing women. 3,840,012, 10-8-74, Cl. 128-280.000.

Rushworth, William Ian: *See*—
Bentley, Kenneth Walter, and Rushworth, William Ian, 3,804,904.

Rusk, Earl E., to Dow Chemical Company, The. Timing apparatus. 3,803,902, 4-16-74, Cl. 73-56.000.

Rusk, George R., to Warwick Electronics Inc. Horizontal centering circuit. 3,814,981, 6-4-74, Cl. 315-2t.00d.

Rusk, Gerald R.; and Koch, Robert E., to Freeman Supply Company, The. Matching pattern plates. 3,789,912, 2-5-74, Cl. 164-243.000.

Ruske, Ervin. Level tie-down. 3,789,652, 2-5-74, Cl. 72-457.000.

Ruskin, Asa P. Sports speedometer. 3,796,097, 3-12-74, Cl. 73-228.000.

Ruskin, Asa P.; and Gould, Wilbur J. Pulmonary achievement trainer. 3,826,247, 7-30-74, Cl. 128-2.080.

Ruskin, Henry, to Swingline Inc. Embossing tool. 3,837,456, 9-24-74, Cl. 197-6.700.

Ruskin Manufacturing Company: *See*—
Root, James R., 3,817,485.

Ruskin, Sol. Exercising device. 3,785,646, 1-15-74, Cl. 272-57.00d.

Ruskin, Wallace R., to Infra-Data, Inc. Gauge for polymers. 3,825,755, 7-23-74, Cl. 259-339.000.

Rusnak, Michael: *See*—
Risko, Donald G.; Bosten, Donald R.; and Rusnak, Michael, 3,786,998.

Russ, Edward F.: *See*—
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Russ, John C.: *See*—
Barnhart, Morris W.; and Russ, John C., 3,813,545.

Russ, Joseph E., to United States of America, Navy. Roll computer. 3,847,348, 11-12-74, Cl. 235-151.300.

Russ, Malcolm J., to Motorola, Inc. Integrated light emitting diode display device with housing. 3,800,177, 3-26-74, Cl. 313-108.00d.

Russ, Muchere C.: *See*—
Gormley, William T.; and Russ, Muchere C., 3,810,960.

Russ, Paul E., Sr.; McComber, Donald R.; and Patterson, Philip M., to Gates Rubber Company, The. Endless track and slide therefor. 3,815,960, 6-11-74, Cl. 305-14.000.

Russ, Paul E., Sr., to Gates Rubber Company, The. Mold for locating transverse reinforcements in endless track. 3,829,055, 8-13-74, Cl. 249/91.000.

Russ, Paul E., Sr., to Gates Rubber Company, The. Endless track suspension system. 3,837,714, 9-24-74, Cl. 305-24.000.

Russek, Henry Irving. Treatment of angina pectoris with a long-acting vasodilating agent and a beta adrenergic receptor blocking agent. 3,832,470, 8-27-74, Cl. 424-330.000.

Russel, William: *See*—
Plough, Charles T.; Arts, Marcus; Leitner, Michael; Russel, William; Marsman, Frank; and Eastwood, Keith, 3,843,949.

Russell, A. Wallace: *See*—
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Russell, Alan F.: *See*—
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Russell, Allen S.: *See*—
Dell, M. Benjamin; Haupin, Warren E.; and Russell, Allen S., 3,822,195.

Russell, Allen S.; Jarrett, Noel; Bruno, Marshall J.; and Remper, John A., to Aluminum Company of America. Method for carbon impregnation of alumina. 3,811,916, 5-21-74, Cl. 117-46.0cb.

Russell, Allen S.; Jarrett, Noel; and Stoup, Philip T., to Aluminum Company of America. Production of aluminum chloride. 3,842,163, 10-15-74, Cl. 423-496.000.

Russell, Anthony William: *See*—
Russell, Michael King; and Russell, Anthony William, 3,805,398.

Russell, Arthur G., Company Incorporated: *See*—
Dion, Warren E., 3,840,789.

Russell, Ben C., to Stanley Fixture Manufacturing Company, Incorporated. Saw guard. 3,808,932, 5-7-74, Cl. 83-478.000.

Russell, Burdsall & Ward, Inc.: *See*—
Beller, Herbert R.; and Onufer, George R. (said Onufer assor. to), 3,824,791.

Russell, Carl D., 3% to Studebaker, Robert I. and Studebaker, Martha Jean. Wide rear view day and night outside mirror. 3,836,235, 9-17-74, Cl. 350-280.000.

Russell, Carl D., to Aquarius Inc. Apparatus accommodating panel construction. 3,842,988, 10-22-74, Cl. 214-1.0sw.

Russell, Charles K.: *See*—
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Russell, Charles W. Wing genoa jib. 3,828,711, 8-13-74, Cl. 114-103.000.

Russell, Christopher R.; and Sanders, Paul, to Biochemical Procedures, Inc. Thin layer chromatography spotting device. 3,807,959, 4-30-74, Cl. 23-259.000.

Russell, David B.: *See*—
Ribich, William A.; and Russell, David B., 3,851,357.

Russell, David E. Curtain and attached air seal. 3,857,432, 12-31-74, Cl. 160-124.000.

Russell, David S.: *See*—
Hughes, Patrick A.; and Russell, David S., 3,813,493.

Russell, Delbert A.: *See*—
Shaver, David M.; and Russell, Delbert A., 3,816,662.

Russell, Donald H.: *See*—
Dieter, Jerry A.; Russell, Donald H.; and Sauer, Richard W., 3,856,720.
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Russell, Donald H., to Atlantic Richfield Company. Polyurethane foam system. 3,855,159, 12-17-74, Cl. 260-2.5am.

Russell, Douglas D.; and George, Henry A., to Foxboro Company, The. Computer-directed process control system with CRT display. 3,800,288, 3-26-74, Cl. 340-172.500.

Russell, Edward David, to Stanley Tools Limited. Cutting or abrading elements. 3,815,189, 6-11-74, Cl. 29-78.000.

Russell, Edward David; and Shelton, George William Ronald, to Stanley Tools Limited. Cutting or abrading elements. 3,815,190, 6-11-74, Cl. 29-78.000.

Russell, Ernest R. Warning system indicating concurrent actuation of accelerator and brake controls. 3,821,700, 6-28-74, Cl. 340-66.000.

Russell, Frederick; and Dumbill, Cyril G., to Brown & Williamson Tobacco Corporation. Packaging machines. 3,818,676, 6-25-74, Cl. 53-173.000.

Russell, George A.: *See*—
Norman, Leslie W.; Hunter, Skillman C.; and Russell, George A., 3,783,616.

Russell, Gordon D., to Johnson & Johnson. Polymer blend containing polyacrylic acid, polyvinyl alcohol, and a polyacrylate. 3,801,675, 4-2-74, Cl. 260-901.000.

Russell, Harding M.: *See*—
Decker, Jackson; and Russell, Harding M., 3,853,272.

Russell, Harold, D.; and Lin, James G., to LogEtronics Inc. Dryer for photographic film. 3,834,040, 9-10-74, Cl. 34-160.000.

Russell, Harold D.; Stone, Gerald; Lin, James; Hamilton, William F.; and Royston, James Allen, to LogEtronics Inc. Rapid access graphic arts film processor. 3,852,789, 12-3-74, Cl. 354-339.000.

Russell, Herman F., to Hobart Manufacturing Company, The. Meat handling equipment. 3,781,936, 1-1-74, Cl. 15-3.170.

Russell, Herman F., to Hobart Corporation. Meat handling equipment. 3,857,131, 12-31-74, Cl. 15-3.170.

Russell, Homer C.: *See*—
Olander, Emil Edward, Jr.; James, Rex L.; Larson, Ivar W.; Yockey, Francis J.; Wenninger, Fred, Jr.; and Russell, Homer C., 3,839,630.

Russell, Ian M.: *See*—
Milton, George A.; and Russell, Ian M., 3,854,692.

Russell, Jack A.; Pratt, Goodrich B.; and Gretzky, Anthony J., to Brunswick Corporation. Golf game projector. 3,802,614, 4-9-74, Cl. 226-9.000.

Russell, Jack A.; Walker, Jerome F.; and Hardenbrook, James M., to Brunswick Corporation. Split detecting system. 3,815,909, 6-11-74, Cl. 273-54.00c.

Russell, James P.: *See*—
Hoffman, Joseph K.; and Russell, James P., 3,804,886.

Russell, James T., to Battelle Development Corporation and Battelle Development Corporation, The. Method apparatus for synchronizing photographic, 3,795,902, 3-5-74, Cl. 340-173.0lm.

Russell, James T., to Battelle Development Corporation, The. Photographic records of digital information and playback systems including optical scanners. 3,806,643, 4-23-74, Cl. 178-6.70r.

Russell, James T., to United States of America, Interior. Measuring apparatus for spatially modulated reflected beams. 3,809,477, 5-7-74, Cl. 356-5.000.

Russell, Jerry C., to Westinghouse Electric Corporation. Hybrid interfacing of computational functions in a hybrid loadflow computer arrangement for electric power systems. 3,839,629, 10-1-74, Cl. 235-151.210.

Russell, John D. Method and apparatus for conveying material. 3,796,298, 3-12-74, Cl. 198-139.000.

Russell, John J., Jr.: *See*—
Chatterji, Arun K.; Marianne, Custazzo; Demosthemes, Kiriazides K.; Russell, John J., Jr.; and Serio, John P., 3,819,367.

Russell, John Lynn, Jr.: *See*—
Theard, Leslie Peter; Peterson, Frank Clyde; Russell, John Lynn, Jr.; and Reierson, Robert L., 3,856,717.

Russell, John Patrick; and Greenaway, David Leslie, to RCA Corporation. Cryptographically coded cards employing synthetic light modifying portion. 3,814,904, 6-4-74, Cl. 235-61.11e.

Russell, John R.: *See*—
Troutner, Arthur L.; Russell, John R.; Johnson, Alan W.; and Johnson, Clifford R., 3,841,945.

Russell, John X.: *See*—
Allmandinger, Otto Richard; and Russell, John X., 3,804,477.

Russell, Kenneth L., to Cities Service Oil Company. Control of colligative properties of drilling mud. 3,841,419, 10-15-74, Cl. 175-40.000.

Russell, Lee E.; and Stegner, Douglas M. Two piece storage and shipping carton. 3,810,573, 5-14-74, Cl. 229-32.000.

Russell, Lewis Keith, to Signetics Corporation. Method for discretionary scribing and breaking semiconductor wafers for yield improvement. 3,839,781, 10-8-74, Cl. 29-574.000.

Russell, Matthew J.: *See*—
Di Fulvio, Anthony P.; and Russell, Matthew J., 3,843,115.

Russell, Michael Cunningham Baron; and Desborough, Colin Leonard, to United Kingdom Atomic Energy Authority. Frequency responsive apparatus. 3,803,486, 4-9-74, Cl. 324-78.00d.

Russell, Michael King, to Scientific Drilling Controls, mesne. Indicating instruments. 3,791,043, 2-12-74, Cl. 33-312.000.

Russell, Michael King; and Russell, Anthony William. Remote angle measurement. 3,805,398, 4-23-74, Cl. 33-312.000.

Russell, Michael King. Directional drilling means. 3,841,420, 10-15-74, Cl. 175-45.000.

Russell Mills, Inc.: *See*—
Adamson, Fletcher D., 3,794,224.

Russell, Philip W.; Simons, Charles W.; and Chupka, Francis L., Jr., to Grace, W. R., & Co. Sheet metal laminate bonded with ethylene copolymer-polyamide adhesive. 3,819,473, 6-25-74, Cl. 161-214.000.

Russell, Philip W.; Simons, Charles W.; and Chupka, Francis L., Jr., to Grace, W. R. & Co. Method of lap-seaming a lacquered metal container body. 3,833,442, 9-3-74, Cl. 156-331.000.

Russell, Ralph T.: *See*—
Chiasson, William J.; and Russell, Ralph T., 3,830,904.

Russell, Richard H.: *See*—
Crawford, James E.; and Russell, Richard H., 3,799,795.
Crawford, James E.; and Russell, Richard H., 3,811,921.

Russell, Richard M., to Goodyear Tire & Rubber Company, The. Treads, pneumatic tires and a process for improving tire performance. 3,830,275, 8-20-74, Cl. 152-357.000.

Russell, Robert G., to Owens-Corning Fiberglas Corporation. Method for preventing flooding of glass fiber bushings. 3,829,301, 8-13-74, Cl. 65-2.000.

Russell, Robert G., to Owens-Corning Fiberglas Corporation. Yarns including fibrous glass strands and methods of their production. 3,835,637, 9-17-74, Cl. 57-140.0by.

Russell, Robert G., to Owens-Corning Fiberglass Corporation. Method for processing glass and forming fibers therefrom. 3,846,097, 11-5-74, Cl. 65-2.000.

Russell, Robert H., to Bird Machine Company, Inc. Doctor blade holder. 3,854,162, 12-17-74, Cl. 15-256.510.

Russell, Robert J., to Union Carbide Corporation. Arc welding coated electrode. 3,783,234, 1-1-74, Cl. 219-146.000.

Russell, Robert J.; Young, William; and Nuss, Barry D., to Kenco Corporation. Envelope opening apparatus and method. 3,822,523, 7-9-74, Cl. 53-3.000.

Russell, Robert Jackson, to Koppers Company, Inc. Liner for grinding mills. 3,820,727, 6-28-74, Cl. 241-183.000.

Russell, Rodney E. Salad on a stick. 3,821,425, 6-28-74, Cl. 426-110.000.

Russell, Ronald W.: *See*—
Davis, William F.; Russell, Ronald W.; Frederiksen, Thomas M.; and Long, Ernest L., 3,786,344.

Russell, Ronald W.; and Solomon, James E., to Motorola, Inc. Transconductance reduction using multiple collector PNP transistors in an operational amplifier. 3,801,923, 4-2-74, Cl. 330-32.00d.

Russell, Sid; Young, Frederick A.; and Kellner, Jordan D., to United Aircraft Corporation. Electrolytic production of boron. 3,843,497, 10-22-74, Cl. 204-64.00r.

Russell, Stanley L.: *See*—
Gueldenpfennig, Klaus; and Russell, Stanley L., 3,806,660.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,806,661.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,825,692.
Gueldenpfennig, Klaus; Pommerening, Uwe A.; and Russell, Stanley L., 3,826,876.

Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., to Stromberg-Carlson Corporation. Operator loop complex. 3,816,665, 6-11-74, Cl. 179-18.0ad.

Russell, Stanley L., to Stromberg-Carlson Corporation. Noise rejection circuit for digital systems. 3,818,358, 6-18-74, Cl. 328-163.000.

Russell, Stanley L.; Gueldenpfenning, Klaus; and Pommerening, Uwe A., to Stromberg-Carlson Corporation. Private branch exchange operator trunk group selection means. 3,842,215, 10-15-74, Cl. 179-27.00d.

Russell, Stanley L., to Stromberg-Carlson Corporation. Telephone battery feed circuit. 3,848,094, 11-12-74, Cl. 179-18.0fa.

Russell, Stanley L., to Stromberg-Carlson Corporation. Solid state continuity check circuit. 3,849,605, 11-19-74, Cl. 179-16.0aa.

Russell, Theodore B. Closure device for dispensing tubes. 3,809,300, 5-7-74, Cl. 222-545.000.

Russell, Thomas E.: *See*—
Califano, Frank L.; Stepien, George, Jr.; and Russell, Thomas E., 3,831,382.

Russell, Walter, 1/3 to Tolash, Carol Ann, 1/3 to Tolash, Victoria L., and 1/3 to Tolash, Julianna. Random access card filing and retrieval apparatus. 3,789,982, 2-5-74, Cl. 209-80.500.

Russell, William J., to Robertshaw Controls Company. Valve means for a fluid pump or the like and method of making same. 3,819,306, 6-25-74, Cl. 417-566.000.

Russell, William J., to Robertshaw Controls Company. Electrical switch construction and an electrical control system utilizing the same or the like. 3,848,211, 11-12-74, Cl. 337-64.000.

Russell, William S.; and Reghi, Gary A., to Oxy Metal Finishing Corporation. Method and composition for treating metal surfaces. 3,819,424, 6-25-74, Cl. 148-6.15r.

Russell, William Thornton. Method of producing fibrous silicate products. 3,826,703, 7-30-74, Cl. 156-189.000.

Russell-French, Harry M., to Budd Company, The. Pneumatically sprung railway car truck. 3,826,202, 7-30-74, Cl. 105-182.00r.

Russer, Peter, to Licentia Patent-Verwaltungs-G.m.b.H. Clock pulse regenerator. 3,835,398, 9-10-74, Cl. 328-164.000.

Russey, James W.: *See*—
Campbell, Trevor G.; and Russey, James W., 3,823,647.

Russey, James W., to Caterpillar Tractor Company. Instrument panel guard. 3,841,431, 10-15-74, Cl. 180-90.000.

Russo, Albert J.: *See*—
Sebens, Carl R.; and Russo, Albert J., 3,817,693.

Russo, Anthony J.: *See*—
Dunn, James G.; Cowan, John R.; and Russo, Anthony J., 3,783,385.

Russo Architectural Metals, Incorporated: *See*—
Russo, Dominic C., 3,810,339.

Russo, Carmine M. Knitting machine needle devices. 3,823,581, 7-16-74, Cl. 66-86.00r.

Russo, Dominic C., to Russo Architectural Metals, Incorporated. Method and apparatus for forming construction element locating and mounting voids in a poured concrete structure. 3,810,339, 5-14-74, Cl. 52-700.000.

Russo, Frank A.: *See*—
Johnson, Edwin A.; Knockeart, Ronald P.; and Russo, Frank A., 3,808,405.

Russo, John J.; and Smith-Vaniz, William Reid, to Perkin-Elmer Corporation, The. Single frequency stabilized laser. 3,793,595, 2-19-74, Cl. 331-94.500.

Russo, Joseph V., 15% to Krakower, Samanowitz & Goldman. Automatic tape-feed, indexing and cutting mechanism. 3,839,934, 10-8-74, Cl. 83-63.000.

Russo, Leonard. Mixing and dispensing device. 3,828,983, 8-13-74, Cl. 222-190.000.

Rust, Charles M.: *See*—
Roberts, Thomas G.; Rust, Charles M.; Rogers, Billie O.; Pratt, Henry L., III; and Morgan, Robert L., 3,820,562.

Rust, Donald. Cooling systems for turbocharger mechanisms. 3,827,236, 8-6-74, Cl. 60-13.00r.

Rust, Edgar C., Jr., to Crompton & Knowles Corporation. Ultrasonic pattern welding apparatus. 3,837,977, 9-24-74, Cl. 156-580.000.

Rust, Edgar C., Jr., to Crompton & Knowles Corporation. Apparatus for ultrasonic welding of sheet materials. 3,844,869, 10-29-74, Cl. 156-358.000.

Rust, Kurt: *See*—
Engelmann, Manfred; Gordon, Wolfgang; and Rust, Kurt, 3,795,662.

Rustad, Mark A.: *See*—
Hammar, Walton J.; and Rustad, Mark A., 3,808,238.

Rustad, Norman E.: *See*—
Huffman, George W.; and Rustad, Norman E., 3,795,636.

Ruszczycky, Mark M.: *See*—
Madigan, Edward J.; and Ruszczycky, Mark M., 3,853,990.

Ruszczyk, James F.; and Seerist, Duane R., to International Business Machines Corporation. Method for molding and air bearing magnetic head with a glass slider body. 3,811,856, 5-21-74, Cl. 65-48.000.

Rutchik, Walter L.: *See*—
Ryczek, Lawrence J.; Rutchik, Walter L.; and Van Zeeland, Donald L., 3,846,676.

Rutenberg, Morton W.; Tessler, Martin M.; and Kruger, Leo, to National Starch and Chemical Corporation. Inhibited starch products containing labile and non-labile cross-links. 3,832,342, 8-27-74, Cl. 260-233.500.

Ruter, Jorn; Magosch, Karl-Heinz; Rombusch, Konrad; and Eichers, Ursula, to Chemische werke Huls Aktiengesellschaft. Antistatic and dyeable thermoplastic molding compositions and shaped articles of polyolefins. 3,821,184, 6-28-74, Cl. 260-93.700.

Ruter, Lewis L. Holder. 3,856,243, 12-24-74, Cl. 248-42.000.

Rutgaizer, Mikhail Isaakovich: *See*—
Gelfand, Mikhail Lvovich; Isipenjuk, Yakov Isaakovich; Podlesnykh, Petr Ivanovich; Sergeichik, Vladimir Adamovich; Rutgaizer, Mikhail Isaakovich; and Antipov, Georgy Afanasievich, 3,804,180.

Rutgerswerke Aktiengesellschaft: *See*—
Franck, Heinz-Gerhard; Metzendorf, Walter; Schweym, Erich; Beneke, Herbert; Marrett, Rolf; Nijssen, Jozef; and Omran, Jaafar, 3,784,487.
Jellinek, Karl; Post, Udo; Gieben, Wibmar Uber; and Oellig, Rudi, 3,784,601.
Rappen, Ludwig; Fickert, Werner; Orth, Winfried; Maurer, Manfred; and Miele, Heinrich, 3,795,708.

Ruth, Arthur P. Animal feeder. 3,847,121, 11-12-74, Cl. 119-51.130.

Ruth, Elmer L., to Appleton Machine Company. Core straightener assembly. 3,837,203, 9-24-74, Cl. 72-110.000.

Ruth, Richard Leroy: *See*—
Beard, Albert LeMessurier; Couleur, John Francis; Lange, Ronald Edwin; Montee, Robert Frank; and Ruth, Richard Leroy, 3,818,460.

Ruthardt, Rolf: *See*—
Goltner, Wolfgang; Hohmann, Wolfgang; and Ruthardt, Rolf, 3,817,680.

Ruthardt, Rolf, to Heraeus, W. C., GmbH. Liquid ejection nozzle structure. 3,840,185, 10-8-74, Cl. 239-591.000.

Ruthenberg, Meyer L., to Koppers Company, Inc. Interlocking joint for sealing rings. 3,784,215, 1-8-74, Cl. 277-220.000.

Rutherford, Harry Wayne. 360 Spray apparatus with means for changing spray pattern. 3,826,427, 7-30-74, Cl. 239-186.000.

Rutherford, James K.: *See*—
Adams, James M.; Hopper, Randall R.; Raley, Garland E.; and Rutherford, James K., 3,849,050.

Rutherford, John M., Jr.: *See*—
Kliment, Karel; and Rutherford, John M., Jr., 3,784,540.

Rutherford, Robert, to Swan Hunter Group Limited. Construction of ships. 3,834,339, 9-10-74, Cl. 114-77.00r.

Rutherford, Sherman L., to Varian Associates. Apparatus for printing of charge images. 3,789,753, 2-5-74, Cl. 101-1.000.

Rutherford, Sherman L.; and Feinleib, Morris, to Varian Associates. Photoconductor-glass binder plate with insulating resin in pores. 3,830,648, 8-20-74, Cl. 96-1.500.

Ruthrof, Klaus, to Siemens Aktiengesellschaft. Device for separating solids and other foreign bodies from liquids. 3,807,568, 4-30-74, Cl. 210-304.000.

Ruti Machinery Works Ltd.: *See*—
Lutz, Friedrich, 3,782,423.

Steiner, Alois, 3,848,642.
Strauss, Edgar; and Karcher, Charles, 3,809,130.
Strauss, Edgar H., 3,785,408.

Ruti Machinery Works Ltd.; formerly Caspar Honegger Caspar Honegger, Ruti Zurich: *See*—
Peter, Arnold, 3,789,887.

Ruti Machinery Works Ltd.; formerly Caspar Honegger Honegger, Casper: *See*—
Meier, Franz, 3,853,154.

Ruti Machinery Works Ltd.; formerly Casper Honegger: *See*—
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Ruti-Te Strake B.V.: *See*—
Kaalverink, Gerardus Hendrikus, 3,853,408.
Van Donk, Cornelis; and Vermeulen, Geert Jan, 3,853,151.
Van Duynhoven, Adrianus Henricus; and Kaalverink, Gerardus Hendrikus, 3,853,153.

Rutishauser, Urs S.: *See*—
Edelman, Gerald M.; Wang, John L.; Rutishauser, Urs S.; and Millette, Clarke F., 3,843,324.

Rutkevich, Zinovy Yakovlevich: *See*—
Galperin, Alexandr Lvovich; Serebryannikov, Albert Semenovich; Zabotin, Alexandr Alexandrovich; Onikov, Eduard Arshakovich; Lukoshkov, Vladimir Iosifovich; Lileev, Valeryan Petrovich; Loschilin, Evgeny Dmitrievich; Rutkevich, Zinovy Yakovlevich; Sakharov, Otis Alexandrovich; and German, Zinovy Antolievich, 3,835,893.

Rutkowski, Edward J.; Dawdy, Jack A.; Hause, Robert F.; and Reinig, Irvine G., II, to National Gypsum Company. Plastic wall trim. 3,831,334, 8-27-74, Cl. 52-287.000.

Rutkowski, Herbert: *See*—
Fischer, Walter; and Rutkowski, Herbert, 3,854,676.

Rutkowski, John L., to Appleton Electric Company. Common ground stud module. 3,829,815, 8-13-74, Cl. 339-14.00r.

Rutledge, Heath A.; Smith, Myron A.; and Spremulli, Paul F., to Corning Glass Works. Electrical furnace for melting thermoplastic material. 3,852,509, 12-3-74, Cl. 13-6.000.

Rutledge, James C., to Collins & Aikman Corporation. Butt splicing thermoplastic sheeting. 3,796,625, 3-12-74, Cl. 156-502.000.

Rutledge, James E., to Research Corporation. Chemcial modification of rice. 3,835,225, 9-10-74, Cl. 426-208.000.

Rutledge, Melvin C. Control apparatus for a warehousing shelf locator. 3,818,302, 6-18-74, Cl. 318-600.000.

Rutledge, Seth E. Valve stem and valve stem tool. 3,833,995, 9-10-74, Cl. 29-221.500.

Rutledge, Thomas F., to ICI America Inc. Oxidation of phenols. 3,784,575, 1-8-74, Cl. 260-396.00r.

Rutledge, Thomas F., to ICI America Inc. Oxidation of glycols. 3,799,977, 3-26-74, Cl. 260-531.00r.

Rutledge, Thomas F., to ICI America Inc. Novel process for oxidation of substituted phenols using combinations of two metal salts. 3,804,864, 4-16-74, Cl. 260-396.00r.

Rutledge, Thomas F., to ICI America Inc. Method of preparing self-condensation products of alkylphenols. 3,804,865, 4-16-74, Cl. 260-396.00n.

Rutman, Grigory Iosifovich: *See*—
Gurvich, Yakov Abramovich; Grinberg, Alexandr Afroimovich; Styskin, Evgeny Lvovich; Kumok, Simona Tevievna; Sobolev, Valerian Mikhailovich; Sorokin, Eduard Sergeevich; Shelkova, Irina Sergeevna; Liakumovich, Alexandr Grigorievich; Michurov, Jury Ivanovich;and Rutman, Grigory Iosifovich, 3,845,142.
Liakumovich, Alexandr Grigorievich; Linkov, Alexei Dmitrievich; Rutman, Grigory Iosifovich; Michurov, Jury Ivanovich; Belgorodsky, Izrail Markovich; Sire, Efim Moiseevich; and Pantukh, Boris Izrailevich, 3,804,911.

Rutman, Jacques, to Adret-Electronique. Device for multiplying a frequency increment. 3,845,396, 10-29-74, Cl. 328-15.000.

Rutner, Herman; Rapun, Raul; and Lewin, Nathan, to Becton, Dickinson and Company. Derivatives of digitoxigenin. 3,810,886, 5-14-74, Cl. 260-239.570.

Rutner, Herman; Rapun, Raul; and Lewin, Nathan, to Becton, Dickinson and Company. Derivatives of digoxigenin. 3,855,208, 12-17-74, Cl. 260-239.570.

Rutner, Ivan Toby. Human reaction measuring means. 3,820,252, 6-28-74, Cl. 35-22.00r.

Rutsch, Peter: *See*—
Brehm, Michael; and Rutsch, Peter, 3,823,493.

Rutschke, Arno, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Tool change mechanism. 3,845,546, 11-5-74, Cl. 29-568.000.

Rutsky, Vladimir Vasilievich: *See*—
Volovich, Vladimir Ruvimovich; Rabinov, Anatoly Isaakovich; Rutsky, Vladimir Vasilievich; and Jutkevich, Valery Ivanovich, 3,830,316.

Rutt, Truman C., to NL Industries, Inc. $BaTiO_3$-MgO-Nb_2O_5 dielectric ceramic compositions and method. 3,788,867, 1-29-74, Cl. 106-73.310.

Rutt, Truman C., to NL Industries, Inc. Sintered ceramic bodies with porous portions. 3,829,356, 8-13-74, Cl. 161-161.000.

Ruttan, Thomas G., to Varian Associates. Push-pull transferred-electron device circuit. 3,810,045, 5-7-74, Cl. 331-96.000.

Rutten, Michael R.: *See*—
Balamuth, Lewis; Rutten, Michael R.; and Meyer, Robert, 3,840,932.

Rutten, Werner, to Huber, Anton, GmbH & Co. KG. Sterilizer for rubber parts. 3,853,622, 12-10-74, Cl. 134-25.00r.

Rutter, Henry A. Platform leveling device. 3,857,248, 12-31-74, Cl. 61-65.000.

Ruttgers, Helge; and Lussem, Heribert, to Hewlett-Packard GmbH. Device for obtaining measurement at or within parts of the human body. 3,804,080, 4-16-74, Cl. 128-2.06e.

Ruttiger, Karl, to Dortmund-Horder Huttenunion Aktiengesellschaft. Method of producing a drawing and deep drawing steel resistant to ageing, particularly for single-coat enamelling. 3,792,999, 2-19-74, Cl. 75-49.000.

Rutty, Edward Charles, to Stanley Works, The. Level with novel vial mounting arrangement. 3,824,700, 7-23-74, Cl. 33-379.000.

Rutz, Elizabeth Maria; and Kagan, Morton Richard, to International Business Machines Corporation. High radiance semiconductor laser. 3,835,415, 9-10-74, Cl. 331-94.50s.

Rutz, Hans: *See*—
Kaufmann, Siegfried; and Rutz, Hans, 3,791,124.

Rutz, Hans; and Gubler, Kurt, to Ciba-Geigy Corporation. Herbicidal aliphatic oxa alkyl-2,4,5-trihalogeno-imidazoles. 3,813,235, 5-28-74, Cl. 71-92.000.

Rutz, Karl-Friedrich: *See*—
Grube, Werner; Rutz, Karl-Friedrich; Jung, Berthold; and Schrage, Johannes, 3,827,643.

Rutz, Walter. Tool for removing threaded closures. 3,851,548, 12-3-74, Cl. 81-3.430.

Rutzick, James L. Machine support base. 3,788,581, 1-29-74, Cl. 248-22.000.

Ruuska, Mauno: *See*—
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Ruva, Frank Domenick: *See*—
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Ruyle, William V.: *See*—
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Ruytenbeek, Silvester Marie: *See*—
Geominy, Louis Joseph Henri; Gommans, Hubertus Johannes Josephus; Mans, Leonardus Frans Helene; and Ruytenbeek, Silvester Marie, 3,784,784.

Ruyters, Johannes Hubertus, to Rubberfabriek "Indiana" N.V. Concrete tile. 3,827,818, 8-6-74, Cl. 404-33.000.

Ruzzo, Joseph G., to General Electric Company. Biological incubator. 3,796,639, 3-12-74, Cl. 195-139.000.

Ruzzo, Joseph G., to General Electric Company. Positive pressure coating device. 3,850,136, 11-26-74, Cl. 118-5.000.

Rx-Pack Company: *See*—
La Tourette, Charles; and Mullen, Patrick E. (said Mullen assor. to said), 3,820,655.

Ryabinin, Vladimir Alexandrovich; Sadofiev, Vladimir Ivanovich; Milin, Igor Mikhailovich; Yankevich, Kira Boleslavovna; Matrosov, Evgeny Ivanovich; Leliovsky, Anton Flixovich; Terra, Larl Romanovich; and Kashirin, Alexei Petrovich. Microwave electron tube,3,805,111, 4-16-74, Cl. 315-39.000.

Ryabokovylenko, Viktor Ivanovich: *See*—
Romanov, Boris Mikhailovich; Moshnin, Evgeny Nikolaevich; Yanov, Stanislav Ivanovich; Gurevich, Vladimir Zakharovich; and Ryabokovylenko, Viktor Ivanovich, 3,845,650.

Ryabtsev, Alexei Nikolaevich: *See*—
Mikhalsky, Fedor Mikhailovich; Gaspariants, Artemy Mikhailovich; Purlov, Jury Nikolaevich; Kulesh, Pavel Ivanovich; Rudenko, Pavel Petrovich; Ryabtsev, Alexei Nikolaevich; and Levi, Yakov Efimovich, 3,785,775.

Ryall, Michael Leslie; Anderson, Harold Henry; and Pezzani, Guido, to Weir Pumps Limited. Fluid machines. 3,801,217, 4-2-74, Cl. 415-199.00a.

Ryan, Arthur Sensor, to Weyerhaeuser Company. Disposable diaper with center constriction. 3,794,033, 2-26-74, Cl. 128-284.000.

Ryan, Arthur Sensor, to Weyerhaeuser Company. Cushioned absorbent pad. 3,812,001, 5-21-74, Cl. 161-114.000.

Ryan, Carl R.: *See*—
Meyer, Gerald L.; and Ryan, Carl R., 3,806,822.

Ryan, Charles W.: *See*—
Gerzon, Koert; Ryan, Charles W.; and De Long, Donald C., 3,790,673.

Ryan, Charles Wilson. Vehicle axle support device for tandem trailers axle. 3,843,153, 10-22-74, Cl. 280-150.00g.

Ryan, Donald James: *See*—
Humkey, Robert Garnett; Marshall, Donald Raymond; and Ryan, Donald James, 3,807,705.

Ryan, Donald P., to Edo-Aire; a division of Edo Corporation. Aircraft ADF with digital frequency display and timer. 3,816,833, 6-11-74, Cl. 343-113.00r.

Ryan, Edward J.: *See*—
Ryan, Richard Burns, 3,824,964.

Ryan Instruments, Inc.: *See*—
Johnson, Jerry E., 3,787,885.

Ryan, Jack E.; and Collin, Sylvan, to Dorwin, Walter League Associates Incorporated. Water purification apparatus. 3,785,490, 1-15-74, Cl. 210-109.000.

Ryan, James E.: *See*—
Nosco, Louis C.; and Ryan, James E., 3,807,861.

Ryan, James Ernest, to Imperial Chemical Industries Limited. Articles having integral transparent or translucent panels. 3,832,428, 8-27-74, Cl. 264-48.000.

Ryan, John R.: *See*—
Searight, Charles E.; Ryan, John R.; and Brasfield, Steven H., 3,816,107.

Ryan, John W.: *See*—
Grasko, Stephen Charles, 3,852,076.
Ryan, John W.; and Shapero, Wallace H. (said Shapero assor. to said), 3,823,089.

Ryan, John W. Duct cleaning apparatus. 3,800,358, 4-2-74, Cl. 15-312.00r.

Ryan, John W.; and Shapero, Wallace H., said Shapero assor. to said Ryan, John W. Heat storage composition. 3,823,089, 7-9-74, Cl. 252-70.000.

Ryan, John W.; Kossoff, Joseph; Hartman, Jack E.; and Cowell, Robert Lynn, to Mattel, Inc., mesne. Facial animating means for a figure toy. 3,841,020, 10-15-74, Cl. 46-118.000.

Ryan, Joseph J. Clutch. 3,791,499, 2-12-74, Cl. 192-70.270.

Ryan, Kelly P., to Blair Manufacturing Co., Inc. Manure spreader with bed closing gate. 3,790,035, 2-5-74, Cl. 222-178.000.

Ryan, Kelly P., to Blair Manufacturing Co., Inc. Road grader blade support. 3,815,686, 6-11-74, Cl. 172-783.000.

Ryan, Margaret M. Off-shore oil well leakage confiner. 3,839,870, 10-8-74, Cl. 61-1.00f.

Ryan, Patricia K.: *See*—
Ryan, Richard Burns, 3,824,964.

Ryan, Patrick W.: *See*—
Verdol, Joseph A.; and Ryan, Patrick W., 3,796,762.
Verdol, Joseph A.; and Ryan, Patrick W., 3,808,281.

Ryan, Paul T., to General Electric Company. Test apparatus for pneumatic brake system. 3,784,813, 1-8-74, Cl. 246-169.00r.

Ryan, Paul T., to General Electric Company. Control apparatus for automatic air brake systems. 3,847,450, 11-12-74, Cl. 303-81.000.

Ryan, Richard Burns, to Ryan, Edward J. and Ryan, Patricia K. Automated pleater for draperies. 3,824,964, 7-23-74, Cl. 223-30.000.

Ryan, Richard P., Jr., to Mead Johnson & Company. Pyrroloquinazoline derivatives. 3,853,858, 12-10-74, Cl. 260-240.00e.

Ryan, Robert E.: *See*—
Ryder, Robert C.; Ryan, Robert E.; and Klapproth, William J., Jr., 3,852,308.

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Ryan, Roger C., to Nalco Chemical Company. Secondary oil recovery. 3,841,399, 10-15-74, Cl. 166-300.000.

Ryan, Rufus E.: *See*—
Lieferman, Harry A.; Ryan, Rufus E.; and Piehler, James R., 3,830,473.

Ryan, Stephen A. Game board and game pieces positionable upon the board in a limited number of positions. 3,804,415, 4-16-74, Cl. 273-130.00r.

Ryan, T. Claude; and Girard, Peter F., to Ryson Aviation Corporation. Aircraft wing structure and method of assembly. 3,827,661, 8-6-74, Cl. 244-123.000.

Ryan, Ted L. Positive displacement Brayton cycle rotary engine. 3,844,117, 10-29-74, Cl. 60-39.610.

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Ryan, William H.: *See*—
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Ryan, William J., Sr.; Schirmer, Edward F.; Thoma, Nandor G.; Tolley, James H.; and Wilder, Donald L., to International Business Machines Corporation. Object handling fixture, system, and process. 3,811,182, 5-21-74, Cl. 29-574.000.

Ryazanov, Alexei Nikolaevich: *See*—
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Ryba, Charles J.: *See*—
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Ryba, Dusan: *See*—
Van der Burgt, Gerrit Johan; and Ryba, Dusan, 3,784,219.

Rybak, Boris. Catheterizable multiple photometer usable in any penetrable medium. 3,787,119, 1-22-74, Cl. 356-73.000.

Rybak, Boris. Microsonde for catheter use, for the continuous measurement of partial oxygen pressure. 3,791,376, 2-12-74, Cl. 128-2.00e.

Rybak, Boris. Deformable electronic components and circuits. 3,800,087, 3-26-74, Cl. 179-1.00r.

Rybalchenko, Gleb Fedorovich: *See*—
Lykov, Mikhail Vasilievich; Rybalchenko, Gleb Fedorovich; Korotkov, Mikhail Alexeevich; Dobrovolsky, Evgeny Ivanovich; Rudenko, Inna Lukinichna; Avilov, Oleg Vladimirovich; and Bljumberg, Yakov Benedictovich, 3,849,233.

Ryberg, Arlen W., to Honeywell Information Systems, Inc. Method and apparatus for maximizing the length of straight line segments approximating a curve. 3,806,713, 4-23-74, Cl. 235-151.110.

Ryberg, Arlen W., to Honeywell Information Systems Inc. Stepping motor acceleration and deceleration control. 3,813,592, 5-28-74, Cl. 318-696.000.

Rybicki, Edward B.; Sussman, Milton H.; and Tackaberry, Robert B., to American Optical Corporation. Microscope condenser series. 3,790,254, 2-5-74, Cl. 350-183.000.

Rybicki, Robert C., to United Aircraft Corporation. Elastomeric bearing for a helicopter rotor. 3,782,854, 1-1-74, Cl. 416-134.000.

Rybicki, Robert C.; and Keller, Carl H., Jr., to United Aircraft Corporation. Multiple element journal bearing. 3,829,239, 8-13-74, Cl. 416-134.000.

Rybicki, Robert C., to United Aircraft Corporation. Elastomeric helicopter rotor head with dynamic and static blade coning and droop stops. 3,853,426, 12-10-74, Cl. 416-140.000.

Rybka, Bruno: *See*—
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Ryburn, Kenneth D.; Mc Clone, Robert J.; and Fox, Charles E., to Honeywell Inc. Pneumatic brake system. 3,799,297, 3-26-74, Cl 188-170.000.

Rycheck, Mark R.: *See*—
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Rychen, Niklaus, to Nordalpina-Anstalt. Boiler for heating non-boiling heat transfer liquids. 3,822,675, 7-9-74, Cl. 122-250.00r.

Rychlik, Frank J., to Illinois Tool Works Inc. Sterile plastic shield. 3,782,377, 1-1-74, Cl. 128-132.000.

Rychlik, Frank J. Valving for internal combustion engine. 3,821,941, 7-2-74, Cl. 123-65.0wa.

Ryckman, George E.; and Budd, Walter J., to Uniroyal, Inc. Tensile testing apparatus. 3,803,907, 4-16-74, Cl. 73-95.000.

Ryckman, William D., Jr.: *See*—
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Ryckman, William D., Jr.; and Meeks, Fredrick T., to General Electric Company. Hair detangler 3,850,180, 11-26-74, Cl. 132-11.00a.

Ryczek, Lawrence J.; Rutchik, Walter L.; and Van Zeeland, Donald L., to Cutler-Hammer, Inc. Electronic control system for remote control circuit breakers. 3,846,676, 11-5-74, Cl. 317-33.0sc.

Ryczek, William G., to Allis-Chalmers Corporation. Tilting grain bin unloader. 3,844,632, 10-29-74, Cl. 308-191.000.

Rydahl, Nils Anders: *See*—
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Rydberg, Jan Helge Arnold: *See*—
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Ryder, Geoffrey A.: *See*—
Milik, Rudolf F. L., 3,820,760.

Ryder, John Charles, to Firestone Tire & Rubber Company, The. Run flat device for tires. 3,814,158, 6-4-74, Cl. 152-158.000.

Ryder, John Lee: *See*—
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Ryder, Richard E., Jr. Packaging apparatus and method. 3,819,107, 6-25-74, Cl. 229-62.500.

Ryder, Robert. Earphone assembly. 3,789,164, 1-29-74, Cl. 179-156.00r.

Ryder, Robert C.; Ryan, Robert E.; and Klapproth, William J., Jr., to Koppers Company, Inc. Process for the production of phthalic anhydride. 3,852,308, 12-3-74, Cl. 260-346.400.

Ryder, Robert Morgan: *See*—
Pruniaux, Bernard Roger; Riley, Terence James; Ryder, Robert Morgan; and Waggener, Herbert Atkin, 3,823,352.

Ryder, William V., Jr.: *See*—
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Ryer, Jack; and Renard, Remi H., to Esso Research and Engineering Company. Compositions containing metal dialkyl dithiophosphates are inhibited against haze and precipitates by amine salts of mixed acid phosphates. 3,826,745, 7-30-74, Cl. 252-32.0fe.

Ryers, Arnold L., to Allied Chemical Corporation. Method of dissolving spent nuclear fuel. 3,813,464, 5-28-74, Cl. 423-20.000.

Ryfel, Kaspar; and Lys, Hans-Peter, to Inventa A.G. fur Forschung und Patentverwertung. Process for the preparation of high-molecular-weight polyamides. 3,840,500, 10-8-74, Cl. 260-78.00r.

Ryff, Anthony S.: *See—*
Daykin, Theodore W.; and Ryff, Anthony S., 3,842,300.

Ryff, Anthony S., to Ford Motor Company. Method of manufacture of a dynamoelectric machine laminated armature structure. 3,840,983, 10-15-73, Cl. 29-598.000.

Ryffin-Hughes, John Malcolm; Harding, Brian; and Lake, Graham Albert John. Heating apparatus. 3,809,052, 5-7-74, Cl. 126-116.00r.

Rygiol, Henry V. Current transfer in connection with electric welding. 3,789,186, 1-29-74, Cl. 219-130.000.

Rygiol, Henry V. Center unwinding spool. 3,815,845, 6-11-74, Cl. 242-129.000.

Ryhage, Erik Ragnar, to LKB-Produkter AB. Molecule separator. 3,803,811, 4-16-74, Cl. 55-197.000.

Ryka Scientific, Inc.: *See—*
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Rykalin, Nikolai Nikolaevich: *See—*
Lipshits, Viktor Senderovich; Andrianov, Vladimir Rubenovich; Rykalin, Nikolai Nikolaevich; Krasnev, Tibor Ferentsevich; Podola, Nikolai Vasilievich; and Krivonos, Vadim Petrovich, 3,790,739.

Ryland, Earvin. Portable electric quiz annunciator. 3,852,894, 12-10-74, Cl. 35-48.00r.

Ryles, Louis, to Medical Plastics Pty., Limited. Safety closure. 3,850,326, 11-26-74, Cl. 215-224.000.

Rylewski, Eugeniusz Michael. Gas turbine. 3,818,695, 6-25-74, Cl. 60-39.16c.

Rylicki, Edward J., to Induction Heating and Engineering Corporation. High frequency power generator. 3,821,632, 6-28-74, Cl. 321-45.00r.

Ryman Engineering Company: *See—*
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Rymarchyk, Nicholas M.; and Meinert, Leo L., to Berry Metal Company. Nozzle for fuel and oxygen lance assembly. 3,823,929, 7-16-74, Cl. 266-34.001.

Rymarchyk, Nicholas M.; and Meinert, Leo L., to Berry Metal Company. Fuel and oxygen lance assembly. 3,827,632, 8-6-74, Cl. 239-132.300.

Rymarchyk, Nicholas M., Jr.; Berry, Walter V.; and Berry, William W., to Berry Metal Company. Oxygen lance with multi-orificed nozzle. 3,797,814, 3-19-74, Cl. 266-34.001.

Rymer, Harold Frank, to Ferranti Limited. Digital display generators. 3,801,720, 4-2-74, Cl. 35-10.400.

Rymer, John W.; and Peters, Thomas J. Protein product and process of preparing it which comprises reacting poultry feather meal, lime and sodium sulfide. 3,806,501, 4-23-74, Cl. 260-123.700.

Rymes, John Edis, to Mannix Co. Ltd. Method for positioning railroad ties. 3,802,347, 4-9-74, Cl. 104-3.000.

Rymes, William H., to United States of America, Navy. Three 'D' weapons sight. 3,833,300, 9-3-74, Cl. 356-13.000.

Rymsa, Karl Heinz, to Wibau-Westdeutsche Industrie- und Strassenbau-Maschinen Gesellschaft m.b.H. Road construction apparatus. 3,791,753, 2-12-74, Cl. 404-84.000.

Rynberk, Robert W., to Imperial Landscape & Supply Co., Inc. Pool construction. 3,823,690, 7-16-74, Cl. 119-5.000.

Rynbrandt, Ronald H.; Cerda, Elisabeth S.; and Schmidt, Fredericka L., to Upjohn Company, The. Method of treating hyperglycemia. 3,786,156, 1-15-74, Cl. 424-305.000.

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Ryng, Stanley, to Texas Instruments, Incorporated. Vapor deposition method. 3,799,792, 3-26-74, Cl. 117-43.000.

Rynkowski, Gerald Alexander, to Schiller Industries, Inc. Dimensional measuring apparatus using optical scan especially for hardness testing. 3,822,946, 7-9-74, Cl. 356-160.000.

Rynsky, William. Jump seat safety bar. 3,841,409, 10-15-74, Cl. 169-24.000.

Ryntz, Edward F., Jr.; Janowak, John F.; and Watton, John F., to General Motors Corporation. Molten metal sampling device. 3,813,944, 6-4-74, Cl. 73-354.000.

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Ryobi Co., Ltd.: *See—*
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Ryobi, Ltd.: *See—*
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Ryoki, Taizo: *See—*
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Ryon, Donald C., to Motorola, Inc. Dual vibrato system. 3,854,367, 12-17-74, Cl. 84-1.250.

Ryowa Choon Kogyo Kabushiki Kaisha: *See—*
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Rypinski, Albert B., to Duo-Mode Electric Transport System, Inc. Dual-mode transportation system. 3,847,085, 11-12-74, Cl. 104-122.000.

Rypkema, Jouke N.: *See—*
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Rys, Tadeusz J., to Square D Company. Bolted contact switch with cam means for overcoming magnetic pinch forces on contact blades. 3,787,654, 1-22-74, Cl. 200-170.00a.

Ryska, Josef: *See—*
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Ryskind, Alexandr Moiseevich: *See—*
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Ryson Aviation Corporation: *See—*
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Rystad, Arnold O., to Work Right Products, Inc. Sliding door silencer. 3,787,936, 1-29-74, Cl. 24-262.00r.

Rystad, Arnold O., to Work Right Products Inc. Roller bracket. 3,796,405, 3-12-74, Cl. 248-489.000.

Rystad, Arnold O., to Work Right Products Inc. Shower door latch. 3,827,737, 8-6-74, Cl. 292-74.000.

Rysti, Alpo. Method and device for performing the insertion of piling strips in timber packages. 3,823,834, 7-16-74, Cl. 214-6.0dk.

Rystrom, Charles H. Positive displacement liquid pump. 3,824,041, 7-16-74, Cl. 417-310.000.

Ryswick, Edward L., to Varispace Industries, Inc. Force-responsive elastomeric gripper. 3,829,147, 8-13-74, Cl. 294-93.000.

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S. & E. Strauss Limited: *See—*
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S & G Tool Aid Corporation: *See—*
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S & S Corrugated Paper Machinery Co., Inc.: *See—*
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S. A. dite Ethylene Plastique: *See—*
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S. K. S. Limited: *See—*
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S. R. C. Laboratories, Inc.: *See—*
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S. R. M. Hydromekanik Aktiebolag: *See—*
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S&C Electric Company: *See—*
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S&M Enterprises Inc.: *See—*
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S&S Product Engineering Service, Inc.: *See—*
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S.A. Automobiles Citroen: *See—*
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S.A. Ciments LaFarge: *See—*
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S.A. Cockerill-Ougree-Providence et Esperance Longdoz en Abrege, "Cockerill": *See—*
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S.A. Des Anciens Etablissements Paul Wurth: *See—*
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S.A. DeTrenes Vertebrados: *See—*
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S.A. Dite Societe d'Exploitation des Etablissements Malenge: *See—*
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S.A. Staar: *See—*
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S.A. Tefal: *See—*
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S.A. Texaco Belgium N.V.: *See—*
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Saab Aktiebolag: *See—*
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Saab-Scania Aktiebolag: *See—*
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Ohlund, Johan Alex Ingvar; Mannerblad, John; and Wallgard, Gunnar Alexius, 3,854,722.
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Saad, Theodore S., to Sage Laboratories, Inc. Temperature measuring apparatus for use in an oven. 3,805,615, 4-23-74, Cl. 73-340.000.

Saad-Chujfi, Alvaro. Elastic waistband. 3,805,299, 4-23-74, Cl. 2-237.000.

Saadeh, Fuad T.: *See—*
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Saadeh, Fuad T., to Texaco Inc. Angular accelerometer. 3,789,935, 2-5-74, Cl. 175-40.000.

Saarem, Myrl J., to Richdel, Inc. Valve assembly. 3,827,670, 8-6-74, Cl. 251-81.000.

Saari, Oliver E., to Illinois Tool Works, Inc. Method and tooling for cutting side seal grooves. 3,786,702, 1-22-74, Cl. 83-5.000.

Saari, Oliver Edward, to Illinois Tool Works Inc. Apparatus for forming epitrochoidal surfaces. 3,812,746, 5-28-74, Cl. 82-18.000.

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Saari, Walfred S., to Merck & Co., Inc. Blood pressure lowering method using an aporphine. 3,810,987, 5-14-74, Cl. 424-258.000.

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Sabatelli, Leo C.; and Jesse, William L. Spray gun light assembly. 3,784,804, 1-8-74, Cl. 240-2.0fd.

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Sabatini, Bruno, to Centro Sperimentale Metallurgico S.p.A. Apparatus for improving the flatness of rolled strips. 3,782,152, 1-1-74, Cl. 72-9.000.

Sabatino, Anthony, to Gould Inc. Making electrical connections through a storage battery wall. 3,798,071, 3-19-74, Cl. 136-134.00r.

Sabatino, Anthony, to Gould Inc. Method of attaching a rope handle to a thin-walled battery. 3,845,542, 11-5-74, Cl. 29-458.000.

Sabbah, Benjamin: *See—*
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Sakamoto, Yoichi; and Koyanagi, Yukio, to Matsushita Electric Co. Ltd. Channel selection device. 3,846,707, 11-5-74, Cl. 325-334.000.
Sakamoto, Yoshihiro: *See*—
Nagashima, Shinichiro; Tsuchiya, Kaichi; Sakamoto, Yoshihiro; Yamakami, Hiroshi; and Tomari, Seiji, 3,826,747.
Sakamoto, Yoshio; and Iguchi, Shinsuke, to Hitachi, Ltd. Transistor circuit. 3,813,606, 5-28-74, Cl. 330-13.000.
Sakane, Kazuhiro: *See*—
Asano, Hiroaki; and Sakane, Kazuhiro, 3,857,203.
Ochiai, Yoshiki; and Sakane, Kazuhiro, 3,837,070.
Sakane, Kazuhiro; and Iida, Wataru, to Toyoda Koki Kabushiki Kaisha. Servo copying machining apparatus. 3,834,084, 9-10-74, Cl. 51-101.00r.
Sakane, Kuniyoshi: *See*—
Nakade, Sadao; Kubota, Hirosuke; Oshita, Toshiyuki; and Sakane, Kuniyoshi, 3,783,624.
Nakade, Sadao; Kubota, Hirosuke; Oshita, Toshiyuki; and Sakane, Kuniyoshi, 3,798,186.
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Sakasai, Toshio; and Yuasa, Katsumi, to Kikkoman Shoyu Co., Ltd. Process for producing soy sauces. 3,830,939, 8-20-74, Cl. 426-46.000.
Sakasegawa, Hiroshi; Iizuka, Mitsuru; and Senju, Takenori, to Nissan Motor Company, Limited. Liquid coolant level drop alarming system. 3,805,230, 4-16-74, Cl. 340-59.000.
Sakasegawa, Hiroshi; and Tanabe, Kuniyuki, to Nissan Motor Company, Limited. Air conditioning system. 3,838,578, 10-1-74, Cl. 62-125.000.
Sakashita, Kiyoshi: *See*—
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Sakashita, Masahira: *See*—
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Sakashita, Tetsuzi: *See*—
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Sakata, Ryozo: *See*—
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Sakats, Gerald, to S & C Electric Company. Switchgear with fuses individually mounted on fuse carriers and switches therefor for interlocks. 3,790,861, 2-5-74, Cl. 317-114.000.
Sakau, Norio: *See*—
Usui, Yoshito; Shiojima, Kenji; Hatakeyama, Toshikatsu; and Sakau, Norio, 3,800,251.
Sakauma, Yasuzi: *See*—
Nakamura, Toshio; Sakauma, Yasuzi; Egawa, Hitoshi; Kawai, Sadaharu; and Motegi, Shoji, 3,816,783.
Sakawa, Katsuaki, to Brother Kogyo Kabushiki Kaisha. Work piece feeding device for sewing machines or the like. 3,797,422, 3-19-74, Cl. 112-104.000.
Sakazaki, Tadazumi: *See*—
Nomura, Katsuhiko; Uno, Naoyuki; Sakazaki, Tadazumi; Watanabe, Koichiro; and Urano, Fumio, 3,820,139.
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Urano, Fumio; Uno, Naoyuki; Nomura, Katsuhiko; Watanabe, Koichiro; Sakazaki, Tadazumi; and Miyata, Katsuhiko, 3,821,768.
Sakazume, Kaiichiro; Sato, Shui; Sakamoto, Eiichi; Fujimori Noboru; Itoh, Shigemasa; and Mine, Kiyomitsu, to Konishiroku Photo Industry Co., Ltd. Light-sensitive super-sensitized silver halide photographic emulsions. 3,808,009, 4-30-74, Cl. 96-126.000.
Sakazume, Kaiichiro; Sato, Shui; Fujimori, Noboru; and Sakamoto, Eiichi, to Konishiroku Photo Industry Co., Ltd. Silver halide light-sensitive supersensitized materials. 3,822,136, 7-2-74, Cl. 96-126.000.
Sakazume Kaiichiro; Sakamoto, Eiichi; Mine, Kiyomitsu; and Kanbe, Masaru, to Konishiroku Photo Industry Co., Ltd. Process for preparing light-sensitive silver halide photographic materials. 3,837,863, 9-24-74, Cl. 96-130.000.
Sakazume, Kaiichiro; Sakamoto, Eiichi; Mine, Kiyomitsu; Fujimori, Noboru; and Ito, Shigemasa, to Konishiroku Photo Industry Co., Ltd. Silver halide photosensitive materials for color photography. 3,847,613, 11-12-74, Cl. 96-74.000.
Sakazume, Yugoro; Oshima, Akio; Jin, Kunio; Nakano, Masashi; and Uchida, Takashi, to Konishiroku Photo Industry Co., Ltd. Developer composition for lithographic printing plates. 3,833,379, 9-3-74, Cl. 96-66.400.
Sakazumi, Akio: *See*—
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Hosoda, Taisei; Ogata, Kyoichi; Uzuhashi, Hideo; Ogawa, Hiroyuki; Sakazumi, Akio; Sekine, Yozi; and Fujie, Kunio, 3,805,542.
Sakharnov, Vasily Alexeevich; Popov Alfred Nikolaevich; Tishura, Vladimir Ivanovich; Galyan, Boris Afanasievich; and Skulsky, Jury Valentinovich. Equipment for resistance bitt-welding. 3,836,746, 9-17-74, Cl. 219-101.000.
Sakharov, Boris Alexandrovich: *See*—
Galperin, Alexandr Lvovich; Serebryannikov, Albert Semenovich; Zabotin, Alexandr Alexandrovich; Onikov, Eduard Arshakovich; Lukoshkov, Vladimir Iosifovich; Lileev, Valeryan Petrovich; Loschilin, Evgeny Dmitrievich, Rutkevich, Zinovy Yakovlevich; Sakharov, oris Alexandrovich, and German, Zinovy Antolievich, 3,835,893.
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Sakimura, Masahiko: *See*—
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Sakita, Takashi, to Nisshin Oil Mills, Ltd. Process for preparing edible protein fibers. 3,851,079, 11-26-74, Cl. 426-276.000.
Sakiyama, Kazutaka; and Hashimoto, Tsutomu, to Toyo Soda Manufacturing Co., Ltd. Liquid supply system by pump. 3,847,507, 11-12-74, Cl. 417-22.000.
Sakka, Toshikatsu. Transformerless power supply. 3,808,512, 4-30-74, Cl. 321-15.000.
Saklikar, Arvind R., to Sherwin-Williams Company, The. Laminated electro photographic unit and process. 3,798,029, 3-19-74, Cl. 96-1.00r.
Sako, Fumio F.; and Chandler, Stephen S., to FMC Corporation. Method and apparatus for separation of sludge. 3,822,204, 7-2-74, Cl. 210-44.000.
Sakoe, Hiroaki; and Chiba, Seibi, to Nippon Electric Company, Limited. Computer for calculating the similarity between patterns and pattern recognition system comprising the similarity computer. 3,816,722, 6-11-74, Cl. 235-152.000.
Sakota, Koichiro: *See*—
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Sakowski, Gerhard: *See*—
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Saksaganshy, Teodor Alexandrovich; Orro, Pavel Ivanovich; Iskra, Boris Alexandrovich; Matveev, Vladimir Sergeevich; Varenik, Boris Iovich; and Kirilenko, Anatoly Ivanovich; deceased (by Kirilenko, Nilla Sergeevna; administratrix). Work rolls drive in a col-rolling tube mill. 3,821,889, 7-2-74, Cl. 72-249.000.
Sakshaug, Eugene C., to General Electric Company. Sparkover stabilizing means for an ungraded surge voltage arrester. 3,819,987, 6-25-74, Cl. 317-70.000.
Sakuma, Hiraku: *See*—
Inoue, Eiichi; Tsujiuchi, Junpei; Kokado, Hiroshi; Yamaguchi, Takashi; Shimizu, Isamu; Sakuma, Hiraku; Hanada, Hiroshi; and Tokunaga, Yukio, 3,825,317.
Sakuma, Kotaro. Eyecap for a compact camera. 3,842,431, 10-15-74, Cl. 354-287.000.
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Sakura Seiki Kabushiki Kaisha: *See*—
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Sakuragawa, Yoshio; and Honma, Kiyoshi, to Toray Industries, Inc. Method and apparatus for producing warp and weft inter-knitted fabrics, 3,818,725, 6-25-74, Cl. 66-62.000.
Sakurai, Hiroji: *See*—
Miyasaki, Norihiko; Ishii, Minoru; Sakurai, Hiroji; Suzuki, Hisao; Nagatsuma, Katsuyoshi;, and Furukawa, Hitoshi, 3,829,228.
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Sakurai, Katsuo; and Chofuku, Jiro, to Toyota Jidosha Kogyo Kabushiki Kaisha. Passive seat belt assembly for automobile or the like. 3,827,713, 8-6-74, Cl. 280-150.0sb.
Sakurai, Kiyohi: *See*—
Takimoto, Yasuyuki; Yoshikawa, Toshikazu; Sakurai, Kiyohi; Umeda, Yasusi; and Hirayama, Takeshi, 3,801,328.
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Sakurai, Masami; and Tsuruta, Saburou, to Tokyo Shibaura Electric Co., Ltd. Side pincushion distortion correction circuitry. 3,814,982, 6-4-74, Cl. 315-27.0gd.
Sakurai, Masayuki; Takahashi, Syozo; and Kikuno, Hideo, to Tokyo Shibaura Electric Co., Ltd. Apparatus for conveying sheet materials. 3,856,132, 12-24-74, Cl. 198-30.000.
Sakurai, Mitsuo: *See*—
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Sakurai, Yasuhiko, to Nippondenso Co., Ltd. Flashing direction indicator. 3,811,107, 5-14-74, Cl. 340-80.000.
Sakurai, Yasuhiko, to Nippondenso Co., Ltd. Breakage detector for automotive lamp circuits. 3,852,733, 12-3-74, Cl. 340-251.000.
Sakurai, Yasukobu, to Denki Onkyo Co., Ltd. High voltage generating apparatus utilizing piezoelectric transformers. 3,796,897, 3-12-74, Cl. 310-8.100.
Sakurai, Yasunoeu: *See*—
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Sakurai, Yo, to Hitachi, Ltd. Magnetic head having improved head gap portion. 3,805,291, 4-16-74, Cl. 360-120.000.
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Busta, Francis F.; and Brooks, Irving M., 3,814,820.
Saladrigas, Jorge S. Game played on stilts with nonround ball. 3,811,677, 5-21-74, Cl. 273-118.00r.
Salamander Aktiengesellschaft: *See*—
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Salame, Morris: *See*—
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Salamon, Theodore M., to General Motors Corporation. Locking mechanism for a vehicle body restraint belt retractor. 3,841,581, 10-15-74, Cl. 242-107.400.
Salari, Luciano: *See*—
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Salas, Frank D. Method of constructing building structures of zigzag profile. 3,854,266, 12-17-74, Cl. 52-742.000.
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Saleman, Michael; and Bak, Martin J., to United States of America, Health, Education and Welfare. Thumbtack microelectrode and method of making same. 3,826,244, 7-30-74, Cl. 128-2.10e.
Saldana, Guadalupe: *See*—
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Saldenais, Arvids: *See*—
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Saldick, Jerome, to FMC Corporation. Production of nickel fluoride. 3,836,634, 9-17-74, Cl. 423-489.000.
Sale, Amedeo Omodei, to Gruppo Lepetit S.p.A. Substituted 2-benzoylisoxazolidines. 3,853,903, 12-10-74, Cl. 260-307.00f.
Sale, Howard James; Delgado, Alberto; and Doyle, Carroll Francis, to Grace, W. R., & Co. Process for preparing silica hydrogel. 3,800,031, 3-26-74, Cl. 423-338.000.
Saleck, Wilhelm: *See*—
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Saleck, Wilhelm; and Balle, Gerhard, to Agfa-Gevaert Aktiengesellschaft. Process for the preparation of photographic silver salt emulsions. 3,827,890, 8-6-74, Cl. 96-114.000.
Saleck, Wilhelm; Himmelmann, Wolfgang; Balle, Gerhard; and Schnalke, Karl-Erwin, to Agfa-Gevaert Aktiengesellschaft. Silver halide grains precipitated in the presence of a phosphoric acid amide sensitizer. 3,850,644, 11-26-74, Cl. 96-107.000.
Saleen Development Corporation: *See*—
Prince, Martin; Blanck, Hillard; and Tarancon, Gregorio, 3,814,615.
Saleh, Bahaa Botros Seedhom, to National Research Development Corporation. Knee joint prosthesis. 3,816,855, 6-18-74, Cl. 3-1.000.
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Salem, Eli, to Union Tank Car Company. Water treating apparatus. 3,796,319, 3-12-74, Cl. 210-189.000.
Salem, M. R., Dr.: *See*—
Salem, N. R.; Resee, Teresa M.; and Ziegler, John, 3,802,440.
Salem Machine Company: *See*—
Earhart, Jack R.; Crocker, James Dennis; and Johnson, John K., 3,836,130.
Salem, N. R., Resee, Teresa M.; and Ziegler, John, to Salem, M. R., Dr. and Resee, T. M., & Associates Incorporated. Intubation guide. 3,802,440, 4-9-74, Cl. 128-351.000.
Salem, Nazih M. N. Sitting/standing table/walker combination. 3,788,695, 1-29-74, Cl. 297-6.000.
Salem Sand and Gravel Company: *See*—
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Salem Tool Company, The: *See*—
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Saleme, Jose A., to Redlake Corporation. Timed light pulse generator. 3,858,063, 12-31-74, Cl. 307-311.000.
Salemme, Robert M.: *See*—
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Salerni, Paul L. Cargo loading and carrying device. 3,809,266, 5-7-74, Cl. 214-450.000.
Salerno, Paul G.; Sikorcin, John, and Piecuch, Richard Wm., to Vapor Corporation. Inline valve. 3,825,026, 7-23-74, Cl. 137-219.000.
Salet, Simone; and De Montgolfier, Arnaud, to G.I.T.A.C. System for the automatic reading of curves. 3,809,909, 5-7-74, Cl. 250-556.000.
Salewski, Rainer: *See*—
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Salewsky, Gert, to Audi NSU Auto Union Aktiengesellschaft. Safety bracket for a motor car. 3,785,671, 1-15-74, Cl. 280-87.00r.
Salg, George, to Reflect-O-Lite Manufacturing Company. Electrical box structure for securement to wall paneling without separate fasteners. 3,848,764, 11-19-74, Cl. 220-3.600.
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Salinas, Ralph C. Ground supported scaffolding. 3,850,264, 11-26-74, Cl. 182-178.000.
Salkeld, Larry A. Leg exercising apparatus. 3,820,782, 6-28-74, Cl. 272-58.000.

Salkino, Michael J.; and Reinfelder, William C., to United Aircraft Corporation. Composite aerodynamic blade with twin-beam spar. 3,782,856, 11-74, Cl. 416-226.000.
Salladay, Mack, to Action Industries, Inc. Paint bucket. 3,829,926, 8-20-74, Cl. 15-257.060.
Sallay, Stephen I., to American Home Products Corporation. 7,12 Di(lower)alkyl-homobenzmorphans. 3,819,614, 6-25-74, Cl. 260-239.0bb.
Sallee, Aaron D. Chain locking adaptor. 3,817,064, 6-18-74, Cl. 70-58.000.
Salleroli, Robert. Furniture with log-cabin effects. 3,855,948, 12-24-74, Cl. 108-161.000.
Salles, Yvon; and David, Gerard Robert, to U.S. Philips Corporation. Support for a battery or photoelectric solar cells. 3,802,920, 4-9-74, Cl. 136-89.000.
Sallin, Pierre, to Productions Sareem S.A. Thread winding apparatus. 3,829,037, 8-13-74, Cl. 242-158.200.
Salling, Jack Ronald: *See*—
Eddens, Fletcher C.; Corley, William P.; Salling, Jack Ronald; and McDonald, Ralph E., 3,784,137.
Sallman, Alfred; and Pfister, Rudolf, to Ciba-Geigy Corporation. 2-Anilinophenylacetonitriles. 3,804,877, 4-16-74, Cl. 260-465.00d.
Sallo, Richard L.; and Stricker, Charles D., to United States Steel Corporation. Method for the production of extra-high strength galvanized wire. 3,814,675, 6-4-74, Cl. 204-145.00r.
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Morris, Earl L.; and Sally, Theodore J., 3,855,649.
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Salmet, Gaston Raoul. Radio-wave detector for discovering the movement of persons or objects in a confined space. 3,828,335, 8-6-74, Cl. 340-258.00c.
Salmin, Valery Vasilievich: *See*—
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Salminen, Ilmari F.; and Loria, Anthony, to Eastman Kodak Company. Silver halide emulsions containing 2-equivalent color couplers. 3,839,044, 10-1-74, Cl. 96-56.500.
Salminen, Olli Olavi: *See*—
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Salmon, David; Weirzbicke, Edward J.; Langston, Benny; and Beegle, Donald W., to U.S. Reduction Co. Mechanical puddler. 3,813,238, 5-28-74, Cl. 75-93.00r.
Salmon, Jacques, to Thomson-CSF. Electronic-scan antenna. 3,787,858, 1-22-74, Cl. 343-100.0sa.
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Salmon, Robert W.; and Herstein, Barry S., to Buddy L Corporation. Modular toy vehicle. 3,811,218, 5-21-74, Cl. 46-17.000.
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Chandross, Edwin Arthur; and Salmon, Warren Allen, 3,808,443.
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Sordello, Frank J.; and Salmond, Kent A., 3,801,969.
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Salmre, William: *See*—
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Salners, Edward A.: *See*—
Di Nardo, Frank L.; and Salners, Edward A., 3,795,888.
Salo, Martin: *See*—
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Salomon, Georges Pierre. Device for changing the longitudinal position of a ski binding. 3,785,666, 1-15-74, Cl. 280-11.35t.
Salomon, Georges Pierre Joseph. Ski binding with lateral release. 3,787,070, 1-22-74, Cl. 280-11.35t.
Salomon, Georges Pierre Joseph. Device for securing a boot to a base. 3,797,843, 3-19-74, Cl. 280-11.35t.
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Salomon, Georges Pierre Joseph. Apparatus for compensating for the longitudinal movement of a safety ski binding. 3,814,455, 6-4-74, Cl. 280-11.35t.
Salomon, Georges Pierre Joseph. Device for restoring a boot on a ski. 3,822,070, 7-2-74, Cl. 280-11.35n.
Salomon, Georges Pierre Joseph. Connecting element for ski boot. 3,844,575, 10-29-74, Cl. 280-11.35n.
Salomon, Georges Pierre Joseph. Guiding and centering device for ski-boot. 3,854,742, 12-17-74, Cl. 280-11.35y.
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Salomonsson, Nils Arvid; and Torstensson, Bo Goran Torsten, to Kommanditbolaget United Stirling (Sweden) AB & Co. Heat exchanger pre-heating combustion air in a stirling cycle engine. 3,852,961, 12-10-74, Cl. 60-517.000.
Salon, Guy: *See*—
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Salonia, Thomas R.: *See*—
Hart, Le Roy; Salonia, Thomas R.; and Bergen, Gary R., 3,819,214.
Salotti, Gianfranco; and Palazzetti, Mario, to Fiat Societa per Azioni. Anti-skid braking system. 3,820,855, 6-28-74, Cl. 303-21.0be.
Saloutos, Louis. Paint brush with bristle cartridge. 3,783,468, 1-8-74, Cl. 15-202.000.
Salow, William Robert: *See*—
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Salsburg, Frederic S.; and Loomer, Weston R., to Hartman Metal Fabricators, Inc. Load squaring device for pallets. 3,822,795, 7-9-74, Cl. 214-6.00s.
Salsbury, Phillip J.: *See*—
Amelio, Gilbert F.; and Salsbury, Phillip J., 3,836,409.
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Salsgiver, James A.; Houze, Gerald L., Jr.; and Ames, Stuart L., to Allegheny Ludlum Industries, Inc. Method for producing grain oriented silicon steel comprising copper. 3,855,018, 12-17-74, Cl. 148-112.000.
Salsgiver, James A.; and Malagari, Frank A., to Allegheny Ludlum Industries, Inc. Processing for high permeability silicon steel comprising copper. 3,855,019, 12-17-74, Cl. 148-112.000.
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Saltel, Jean Louis. Short-cycle molding device. 3,856,444, 12-24-74, Cl. 425-60.000.
Salter, Andrew: *See*—
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Salter, Anthony John, to Pipe Supports Limited. Pipe supports. 3,833,194, 9-3-74, Cl. 248-54.0cs.
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Laws, William Robert; McChesney, Herbert Raymond; and Salter, Frank Michael, 3,806,309.
Salter Industrial Measurement Limited: *See*—
Powell, Irene Patricia; Hulme, Cheadle; and Hitchcock, John, 3,805,600.
Salter, John W.: *See*—
Rogols, Saul; Hueckel, Edward J.; and Salter, John W., 3,857,987.
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Salters, Roelof Herman Willem, to U.S. Philips Corporation. Method of manufacturing a semiconductor device and semiconductor device manufactured by using the method. 3,849,216, 11-19-74, Cl. 148-187.000.
Saltini, Fabrizio; and Eccettuato, Vittorio, to Olivetti, Ing., C., & C., S.p.A. Electronic computer. 3,849,634, 11-19-74, Cl. 235-92.0dp.
Saltman, William M.: *See*—
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Saltman, William M.; and Auerbach, Melvin, to Goodyear Tire & Rubber Company, The. Process for increasing molecular weight of live polymers. 3,813,455, 5-28-74, Cl. 260-879.000.
Salton, Frank G.; and Silverstein, Abraham, to United States of America, Navy. Delay timer. 3,787,740, 1-22-74, Cl. 307-293.000.
Saltonstall, Peter: *See*—
Evans, Roy; and Saltonstall, Peter, 3,833,024.

Salts, Thomas R., to Crowe-Gulde, Inc. Apparatus for manufacture of coated bricks. 3,799,716, 3-26-74, Cl. 425-104.000.
Saltus, George Edwin: *See*—
Bush, Stanley Edward; Lewis, Charles William; McKelvey, William John; Merwede, Donald Leiman; Roberge, Kenneth Joseph; and Saltus, George Edwin, 3,851,114.
Saltz, Fred: *See*—
Tex, Karel Den; Jensen, Donald F.; Ricklefs, Merlin J.; Saltz, Fred; Schmidt, Jon J.; and Stacy, Phillip S., 3,827,628.
Saltz, Ira, to Oxford Pendaflex Corporation. Index card holder. 3,854,589, 12-17-74, Cl. 211-45.000.
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Lawrence, Thomas Russell; and Saltzberg, Burton R., 3,849,733.
Napolitano, Orlando; Pasternack, Gerald Philip; and Saltzberg, Burton R., 3,795,872.
Saltzman, Alvin R.; and Plizak, Bruno T., to United States of America, Navy. Thermal catalytic chemical reaction of non-newtonian fluids. 3,790,486, 2-5-74, Cl. 252-77.000.
Saltzman, Gilbert A.; Otani, Tony U.; and Lomax, Donald P., to Xaloy Incorporated. Wear resistant composite cylinder linings. 3,836,341, 9-17-74, Cl. 29-191.600.
Saltzman, William H., to Intellectual Property Development Corporation. Production of chenodeoxycholic acid. 3,833,620, 9-3-74, Cl. 260-397.100.
Saltzman, William H., to Intellectual Property Development Corporation. Chemical process. 3,839,565, 10-1-74, Cl. 424-238.000.
Saltzman, William H., to Intellectual Property Development Corporation. Method of treating fatty liver. 3,856,953, 12-24-74, Cl. 424-238.000.
Saltzstein, Julian I., to American Uniform Company. Combination dust cloth and dust mop. 3,792,505, 2-19-74, Cl. 15-231.000.
Salukvadze, Viktor Samsonovich; Koshman, Igor Filippovich; and Doktorov, Leonid Borisovich. Self-propelled machine for cleaning external surfaces of pipelines. 3,797,060, 3-19-74, Cl. 15-88.000.
Salukvadze, Viktor Samsonovich; and Musyakin, Vyacheslav Egorovich. Apparatus for cleaning strip material. 3,803,661, 4-16-74, Cl. 15-77.000.
Salukvadze, Viktor Samsonovich. Rotary cutting tool. 3,811,161, 5-21-74, Cl. 29-81.00bh.
Salunen, Eero: *See*—
Toivonen, Matti; Kettunen, Kyrki; and Salunen, Eero, 3,819,812.
Saluti, Gerald Michael, to American Cyanamid Company. Acrylonitrile-acrylate copolymers reinforced with grafted butadiene rubber. 3,846,509, 11-5-74, Cl. 260-876.00r.
Salva, Juan M.: *See*—
Dugan, John J.; Higgins, James P.; and Salva, Juan M., 3,850,742.
Salvador, Henry J.: *See*—
Conner, James M.; and Salvador, Henry J., 3,794,399.
Salvadorini, Rolando. System for the conveyance of passengers or goods using a continuous and fast belt. 3,793,961, 2-26-74, Cl. 104-25.000.
Salvage Oil Systems Ltd.: *See*—
Rolleman, Jack, 3,831,387.
Salvail, Napoleon Paul. Solar water-heating systems. 3,847,136, 11-12-74, Cl. 126-271.000.
Salvati, John G.; Ricci, Louis N.; and Colista, Dominic, to Westinghouse Electric Corporation. Metal enclosed switchgear with sandwiched load block supports. 3,792,315, 2-12-74, Cl. 317-112.000.
Salvati, John G.; and Krance, Earl O., to Westinghouse Electric Corporation. Metal enclosed switchgear with S-shaped vertically disposed conductors. 3,793,564, 2-19-74, Cl. 317-120.000.
Salvati, John G.; and Skalka, Paul, to Westinghouse Electric Corporation. Circuit interrupter protective device. 3,797,007, 3-12-74, Cl. 335-176.000.
Salvati, John G., to Westinghouse Electric Corporation. Circuit interrupter trip device. 3,806,847, 4-23-74, Cl. 335-176.000.
Salvatore, Frank. Knife sharpening apparatus. 3,817,001, 6-18-74, Cl. 51-210.000.
Salvi Antoine: *See*—
Cordelle, Michel; Crescini, Jean; Glenat, Henri; and Salvi Antoine, 3,823,364.
Lemercier, Daniele; and Salvi, Antoine, 3,808,519.
Salvi, Attilio A., to General Properties Anstalt. Apparatus for producing candyfloss. 3,856,443, 12-24-74, Cl. 425-9.000.
Salvi, Enrico, to United States of America, Navy. Anticarbon device for the scroll fuel carburetor. 3,808,803, 5-7-74, Cl. 60-39.74r.
Salvin, Keith Thomas; and Lane, David Silvester, to Strawson Hydraulics (Consultants) Limited. Electrical apparatus. 3,858,011, 12-31-74, Cl. 191-12.20r.
Salvis AG: *See*—
Bolleter, Hans Ulrich; and Schulthess, Hansruedi, 3,790,391.
Lutolf, Hans, 3,823,657.
Salvo, Andrew D. Intonation guide for player of string instrument. 3,845,686, 11-5-74, Cl. 84-485.000.
Salvucci, Joseph L., Jr.; and Yiannos, Peter N., to Scott Paper Company. Soft, Absorbent, fibrous, sheet material formed by avoiding mechanical compression of the elastomer containing fiber furnish until the sheet is at least 80% dry. 3,812,000, 5-21-74, C. 162-111.000.
Salway, Peter Hugh, to Lucas, Joseph, (Industries) Limited. Control systems for vehicles. 3,822,684, 7-9-74, Cl. 123-102.000.
Saly, Alexandr Andreevich: *See*—
Sippol, Nikolai Karlovich; and Saly, Alexandr Andreevich, 3,821,569.
Saly, Sandor: *See*—
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Salyer, Ival O.; Bump, Donald D.; and Weesner, William E., to United States of America Health Education and Welfare, mesne. Dialysis membranes and manufacture. 3,799,355, 3-26-74, Cl. 210-500.000.
Salyer, Ivan O.: *See*—
Schwendeman, James L.; and Salyer, Ivan O., 3,814,808.
Salyer, Ivan O.; Tapp, James S.; Weesner, William E.; and Leonard, Richard L., to United States of America Health Education and Welfare, mesne. Dialysis hollow fiber membranes and manufacture. 3,799,356, 3-26-74, Cl. 210-500.000.
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Crowe, Eugene Melroy, 3,820,332.
Salza, Silvio. Protein free alimentary pastes and a process for their production. 3,836,680, 9-17-74, Cl. 426-158.000.
Salzdetfurth AG: *See*—
Eberle, Herbert; Meyer, Wolfgang; and Haase, Johann, 3,785,943.
Eberle, Herbert; Meyer, Wolfgang; and Bartling, Helmut, 3,800,032.
Salzer, Erwin: *See*—
Kozacka, Frederick J.; and Salzer, Erwin, 3,848,215.
Salzer, Erwin, to Chase-Shawmut Company, The. High-voltage fuse. 3,810,061, 5-7-74, Cl. 337-159.000.
Salzer, Erwin, to Chase-Shawmut Company, The. Fuse holders. 3,810,077, 5-7-74, Cl. 339-219.00f.
Salzer, Erwin, to Chase-Shawmut Company, The. Process for manufacturing high-voltage fuse. 3,839,786, 10-8-74, Cl. 29-623.000.
Salzer, Erwin, to Chase-Shawmut Company, The. High-voltage fuse including insulating mandrel for supporting fusible elements. 3,846,728, 11-5-74, Cl. 337-159.000.
Salzer, Erwin, to Chase-Shawmut Company, The. Method of assembling electric high-voltage fuses and subassembly therefor. 3,848,214, 11-12-74, Cl. 337-158.000.
Salzer, Thomas; and Martin, Charles T., Jr., to Raytheon Company. Monitoring and control means for evaluating the performance of vibratory-type devices. 3,794,236, 2-26-74, Cl. 228-1.000.
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Salzman, Robert Stephen: *See*—
Mizrachy, Benjamin; and Salzman, Robert Stephen, 3,853,121.
Salzman, Robert Stephen; and Goldman, Gerald Martin. Lock construction. 3,822,368, 7-2-74, Cl. 200-11.00d.
Salzmann, Gerhard Martin: *See*—
Murray, Leo Thomas; and Salzmann, Gerhard Martin, 3,822,345.
Sam, Ahmad. Method for making abrasive articles. 3,785,938, 1-15-74, Cl. 204-16.000.
Sama, Nicholas. Filtering device. 3,785,494, 1-15-74, Cl. 210-169.000.
Sama, Nicholas. Purifier device. 3,815,753, 6-11-74, Cl. 210-284.000.
Sama, Nicholas. Shipping and display package for card mounted articles. 3,840,114, 10-8-74, Cl. 206-461.000.
Samawi, Nazeeh Jamil: *See*—
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Sameoe Holding Corporation: *See*—
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Samejima, Kenro: *See*—
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Samejima, Masayoshi; Sugimoto, Isao; Suzuki, Akira; Koida, Yoshiyuki; Hirata, Goichi; and Tsukamoto, Goro, to Green Cross Corporation, The and Tanabe Seiyaku Co., Ltd. Stable emulsion of fluorocarbon particles. 3,823,091, 7-9-74, Cl. 252-312.000.
Samejima, Toshihide; and Ooi, Yasuhiro, to Kabushiki Kaisha Seikosha. Electronic stop-watch and timepiece. 3,854,277, 12-17-74, Cl. 58-39.500.
Samelson, Harold: *See*—
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Samiran, David; and Moore, Arthur H. Connecting device. 3,844,138, 10-29-74, Cl. 64-30.00e.
Samiran, David; and Moore, Arthur H. Expandable ring connecting device. 3,854,833, 12-17-74, Cl. 403-377.000.
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Samm, Ralph W.: *See*—
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Sammons, David G. Travel envelope with baggage ticket and baggage claim ticket. 3,788,540, 1-29-74, Cl. 229-72.000.
Sammons, Herbert F.: *See*—
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Samodell, Ralph M.: *See*—
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Samoilov, Sergei Mikhailovich; Plate, Nikolai Aefredovich; Maltsev, Vadim Vasilievich; Monastyrsky, Viktor Nikolaevich; and Kargin, Valentin Alexeevich; deceased (by Velichko, Kaleria Petrovna; administratrix). Copolymers of ethylene with organovinyltin moomers. 3,804,816, 4-16-74, Cl. 260-88.10r.
Samoilov, Sergei Mikhailovich; Ivanov, Vladimir Ivanovich; Zambrovskaya, Galina Vladimirovna; Tsvetkov, Oleg Nikolaevich; Monastyrsky, Viktor Nikolaevich; Bespalov, Evgeny Ivanovich; Gryaznov, Boris Vasilievich; and Molchanov, Boris Vladimirovich. Method fr preparing branched copolymers of ethylene with vinyl organosilicon monomers. 3,828,015, 8-6-74, Cl. 260-88.10r.
Samoilovich, Anatoly Grigorievich: *See*—
Pilat, Izrail Moiseevich; Samoilovich, Anatoly Grigorievich; Soliichuk, Kornei Denisovich; and Osipov, Eduard Vaganovich, 3,785,875.
Samour, Carlos M.; and Vida, Julius A., to Kendall Company, The, mesne. Selected 5-substituted-5-phenylalkyl barbituric acids. 3,784,547, 1-8-74, Cl. 260-257.000.
Samour, Carlos M. Pressure sensitive adhesive copolymers and tapes therefrom. 3,790,533, 2-5-74, Cl. 260-78.50r.
Samour, Carlos M.; and Mitchell, Philip A., to Kendall Company, The. Surfactant-free ampholytic polymeric latices. 3,795,648, 3-5-74, Cl. 260-29.6hn.
Samour, Carlos M.; and Richards, Mildred C., to Kendall Company, The, mesne. Monomeric emulsion stabilizers derived from alkyl/alkenyl succinic anhydride. 3,839,419, 10-1-74, Cl. 260-485.00h.
Samour, Carlos M.; and Vida, Julius A., to Kendall Company, The, mesne. Selected 5-substituted-5-phenylalkyl barbituric acids in analgetic compositions and methods of use. 3,839,568, 10-1-74, Cl. 424-254.000.
Sampatacos, Peter M., to General Motors Corporation. Axially preloaded bearing assembly. 3,838,899, 10-1-74, Cl. 308-189.00a.
Sampatacos, Peter M., to General Motors Corporation. Automotive waterpump subassembly with improved sealing arrangement. 3,838,901, 10-1-74, Cl. 308-187.000.
Sampey, Harry R., to Pentron Industries, Inc. Vehicle separation measuring system. 3,796,864, 3-12-74, Cl. 235-92.0cv.
Sampey, Harry R., to Pentron Industries, Inc. Distance event marker. 3,809,864, 5-7-74, Cl. 235-93.0dn.
Sampey, Harry R., to Pentron Industries, Inc. Vehicle performance computer. 3,846,701, 11-5-74, Cl. 324-175.000.
Sample, Thomas E., Jr.: *See*—
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Sampson Corporation, The: *See*—
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Burstein, Albert H.; and Heiple, Kingsbury G., 3,824,631.
Sampson, Herbert F.: *See*—
Sampson, Herbert F. (said Sampson, Stephen D., assor. to said), 3,802,098.
Sampson, Herbert F., said Sampson, Stephen D., assor. to said Sampson, Herbert F. Method and apparatus for situating/decision training. 3,802,098, 4-9-74, Cl. 35-25.000.
Sampson, Robert W.: *See*—
Hausler, Rudolf H.; and Sampson, Robert W., 3,810,009.
Sampson, Ronald N.; and Chottiner, Jacob, to Westinghouse Electric Corporation. Hydrophobic mats for gas diffusion electrodes. 3,799,811, 3-26-74, Cl. 136-120.0fc.
Sampson, Roy John: *See*—
Chenoweth, John Garfield; James, Ivan; Lake, Samuel; Sampson, Roy John; Osmond, Paul; and Shooter, Douglas, 3,793,384.
Sampson, Roy John; and Spencer, Christopher Buxton, to Imperial Chemical Industries Limited. Production of benzene. 3,829,519, 8-13-74, Cl. 260-672.00r.
Sampson, Roy John; and Lake, Ivan James Samuel. Hydrocarbon conversion process and silica and/or alumina-containing catalyst therefor. 3,836,594, 9-17-74, Cl. 260-668.00a.
Sampson, William B.: *See*—
Suenaga, Masaki; Sampson, William B.; Crow, Jack E.; and Gurinsky, David H., 3,838,503.
Samra, Herb G. Multiple purpose vehicle signal device. 3,800,430, 4-2-74, Cl. 340-95.00r.
Samsing, Rolf, A., to Gillette Company, The. Carton for plurality of containers. 3,812,958, 5-28-74, Cl. 206-45.310.
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Samson, David, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Tool for electrolytic drilling of holes 3,801,489, 4-2-74, Cl. 204-284.000.
Samson, Marvin S.; and Pfleger, Frederick W. Liquid packaging apparatus. 3,807,131, 4-30-74, Cl. 53-281.000.
Samson, Wilfred Joseph, Jr., to Torin Corporation. Blower assembly. 3,829,250, 8-13-74, Cl. 417-424.000.
Samsonite Corporation: *See*—
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Samuel, Alain Jean, to Commissariat a l'Energie Atomique. Process for registering in binary code and for reading an identification number on a metallic piece. 3,792,238, 2-12-74, Cl. 235-61.11j.
Samuel, Alfred F. Flying disc having impact protected electric signaling device therein. 3,798,834, 3-26-74, Cl. 46-228.000.
Samuel, Duncan Roy; and Moore, Donald Fergus, to Radun Controls Limited. Transducer devices and apparatus including such devices. 3,825,025, 7-23-74, Cl. 137-92.000.
Samuelian, Maurice P., Sr.; and Rideout, Gerald E., to General Signal Corporation. Bowl supporting turntable for kitchen mixer 3,814,360, 6-4-74, Cl. 248-131.000.
Samuels, Abe, to Speed-O-Print Business Machines Corporation. Paper shredder. 3,797,765, 3-19-74, Cl. 241-236.000.
Samuels, Ed: *See*—
Hunter, Roland L., 3,834,656.
Samuels, Ronald L.; Porter, Wallace M.; and Friederichs, Josef E., to TRW Inc. Turbine vane prediction and classification gage and gaging method. 3,832,784, 9-3-74, Cl. 33-174.00e.
Samuels, Samuel: *See*—
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Samuels, Stanley J.; and Samuels, Samuel. Joint for cushioned toilet seat. 3,854,150, 12-17-74, Cl. 4-237.000.
Samuelsen, Bryan; and Liebman, Alfred A., to Rockwell International Corporation. Throttling venturi valve. 3,848,806, 11-19-74, Cl. 239-265.110.
Samuelsen, Eirik, to Dyno Industrier A.S. Process for the production fo a water-bearing explosive composition. 3,834,954, 9-10-74, Cl. 149-2.000.
Samuelson, Bruce E.: *See*—
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Samuelson, Carl E.: *See*—
Larnerd, John D.; McGarigle, Donald M.; and Samuelson, Carl E., 3,811,186.
Samuelson, David Wylie, to Samuelson Film Service Limited. Camera lens attachments. 3,833,291, 9-3-74, Cl. 350-286.000
Samuelson Film Service Limited: *See*—
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Samuelson, Hans Olof; and Croon, Ingemar Liss-Albin, to Mo Och Domsjo Aktiebolag. Impregnation of cellulosic pulp under superatmospheric pressure with waste alkaline oxygen gas bleaching liquor followed by oxygen-alkali bleaching. 3,843,473, 10-22-74, Cl. 62-40.000.
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Samuelsson, Bengt. Prostanoic acid derivatives. 3,836,578, 9-17-74, Cl. 260-514.000d.
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Samura, Hiroyoshi, to Citizen Watch Company Limited. Calendar timepiece. 3,811,266, 5-21-74, Cl. 58-58.000.
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San Pietro, Carlo, to Mial S.p.A. Method of winding plastic film capacitors. 3,815,188, 6-11-74, Cl. 29-25.420.
San/Bar Corporation: *See*—
Vincent, Ogden W., 3,852,537.
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Sanada, Noriyoshi, to Tamura Electric Works, Ltd. Electromagnetic counter. 3,838,253, 9-24-74, Cl. 235-92.00c.
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Sanctuary, Clifford; Woods, Donald C.; and Bachman, John A., to Del Mar Engineering Laboratories. Apparatus for automatically periodically measuring and displaying the total air expired by a subject during each of a succession of given time intervals. 3,81,901, 6-25-74, Cl. 128-2.080.
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Sandrock, Paul W. Dangler assembly for electro-chemical installations. 3,844,923, 10-29-74, Cl. 204-279.000.

Sandrone, Bruno; and Toniolo, Antonio, to Olivetti, Ing., C., & C., S.p.A. Re-winding device for the paper for teleprinter machines and printing machines in general. 3,782,666, 1-1-74, Cl. 242-67.200.

Sands, A. John. Phonograph record composition and process. 3,846,361, 11-5-74, Cl. 260-28.500.

Sands, Arthur E.: *See—*
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Sands Measurement Corporation: *See—*
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Sands, Paul M. Cow trainer. 3,832,976, 9-3-74, Cl. 119-27.000.

Sands, Robert E., to Mueller Co. Non-tapping service line connection fitting. 3,841,667, 10-15-74, Cl. 285-39.000.

Sands, Robert E.; and Floren, Carl E., to Mueller Co. Pipe coupling. 3,844,585, 10-29-74, Cl. 285-3.000.

Sandschaper, Delmer J. Fish line light. 3,824,731, 7-23-74, Cl. 43-17.500.

Sandstrom, James P., to Bissett-Berman Corporation, The. Electrolytic cell manufacture. 3,798,755, 3-26-74, Cl. 29-592.000.

Sandstrom, Jan Erik Stellan, to AGA Aktiebolag. Warning valve. 3,788,312, 1-29-74, Cl. 128-142.300.

Sandstrom, John W.; and Cloud, Kenneth C., to Integral Systems, Inc. Alignment control system. 3,823,730, 7-16-74, Cl. 137-344.000.

Sandstrom, Milton G.: *See—*
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Sandstrom, Wayne R.; and Keturi, Raymond C. Precast concrete building construction. 3,846,946, 11-12-74, Cl. 52-221.000.

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Sandvist, Hugo; and Nygaard, Tore, to Allmanna Svenska Elektriska Aktiebolaget. Gas blast circuit breaker for high voltages. 3,805,001, 4-16-74, Cl. 200-148.0bv.

Sandy Hill Corporation: *See—*
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Sandy, Richard E.: *See—*
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Sanelli, Edward T., to Redmer Plastics Inc. Fluid metering device. 3,797,524, 3-19-74, Cl. 137-606.000.

Saner, Kaspar, to Wirth, Gallo & Co. Electronic measuring apparatus for measuring forces. 3,805,605, 4-23-74, Cl. 73-143.000.

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Sanford, Norman Ray; Wainscott, Alan Dale; and Skelton, Billy Keith, to Bendix Corporation, The. Closed loop grinder infeed control system w/automatic compensation for wheel diameter changes due to dressing operations. 3,828,477, 8-13-74, Cl. 51-5.000.

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Sanford, Robert J. Multi-purpose real-time holographic polariscope. 3,831,436, 8-27-74, Cl. 73-88.00a.

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Sanga, Yasuhiro. Exhaust smoke purifying apparatus for incinerators. 3,835,796, 9-17-74, Cl. 110-119.000.

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Sanger, Jacobus Simon. Handling apparatus for lifting and displacing articles of relatively great weight. 3,834,667, 9-10-74, Cl. 254-2.00r.

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Sangster, Arlon G. Anti-theft device for internal combustion engines. 3,834,484, 9-10-74, Cl. 180-114.000.

Sangster, Frederik Leonard John; and Heijns, Hendrik, to U.S. Philips Corporation. Sensor for converting a physical pattern into an electrical signal as a function of time. 3,824,337, 7-16-74, Cl. 178-7.100.

Sani-Seat, Inc.: *See—*
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Sanibel Sound Co., Inc.: *See—*
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Saniford, Burton B.; and Knight, Robert K., to Union Oil Company of California. Method for tracing the flow of water in subterranean formations. 3,851,171, 11-26-74, Cl. 250-259.000.

Sanigar, William George, to International Computers Limited. Document handling system. 3,805,025, 4-16-74, Cl. 235-61.60h.

Sanitank Inc.: *See—*
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Sanjana, Zal N., to Westinghouse Electric Corporation. Glass-epoxy laminates for high temperature use. 3,794,555, 2-26-74, Cl. 161-185.000.

Sanjean, John; and Cahoy, Roger P., to Gulf Research & Development Company. Method of combating insect pests with phenylcarbamyl oxyditert. butylbensylidenemalononitriles. 3,825,663, 7-23-74, Cl. 424-300.000.

Sank, Jon Rinaldo, to RCA Corporation. Ultradirectional microphone. 3,793,489, 2-19-74, Cl. 179-121.00d.

Sankin Engineering Company Limited: *See—*
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Sankyo Chemical Industries, Ltd.: *See—*
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Sanna, Charles A.; and Sanna, Filip Leon, to Beatrice Foods Co. Instant marshmallow powder and method for its production. 3,826,854, 7-30-74, Cl. 426-163.000.

Sanna, Filip Leon: *See—*
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Sanner, George E., to Santron Corporation. Fluid flow control systems. 3,809,116, 5-7-74, Cl. 137-391.000.

Sanner, George E., to Santron Corporation. Fluid flow control systems. 3,848,616, 11-19-74, Cl. 137-78.000.

Sanner, Richard Dean, to Owens-Illinois, Inc. Glass compositions and cathode-ray tubes made therefrom. 3,819,972, 6-25-74, Cl. 313-480.000.

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Sano, Hiroshi, to Tomy Kogyo Co., Ltd. Amusement device. 3,786,597, 1-22-74, Cl. 46-243.01v.
Sano, Kazuya: *See—*
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Sawahara, Masao; and Sano, Kazuya. 3,824,250.
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Sano, Kenji: *See—*
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Sano, Noboru; and Bando, Yoshihide, to Omron Tateisi Electronics Co. Programming apparatus. 3,786,239, 1-15-74, Cl. 235-92.0pe.
Sano, Takao; Fukuda, Katsuhiro; Ando, Akio; and Tameno, Louzou, to Tory Industries, Inc. Yarn twisting apparatus. 3,851,448, 12-3-74, Cl. 57-75.000.
Sano, Tutomu; and Doya, Masaharu, to Mitsubishi Gas Chemical Company, Inc. Process for the halogenation of side chains of aromatic compounds. 3,836,445, 9-17-74, Cl. 204-163.00r.
Sano, Yoshiaki; Ishikawa, Tomio; Hirose, Yoshitaka; and Miki, Yasumasa, to Matsushita Electric Industrial Company, Limited. Frying appliance. 3,801,331, 4-2-74; Cl. 99-403.000.
Sano, Yoshiaki; Hirose, Yoshitaka; and Miki, Yasumasa, to Matsushita Electric Industrial Co., Ltd. Frying appliance. 3,842,725, 10-22-74, Cl. 99-403.000.
Sano, Yoshio: *See—*
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Sansing, James Earl; and Novotny, Joseph, to Allied Chemical Corporation. Inhibition of corrosive action of fire retardants containing aqueous ammoniated superphosphoric acid on aluminum. 3,809,653, 5-7-74, Cl. 252-148.000.
Sansing, James Earl, Jr.: *See—*
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Santa Fe International Corporation: *See—*
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Santaella, F. Gregory, to Goodway, Inc. Method and apparatus for forming a plurality of booklets. 3,819,172, 6-25-74, Cl. 270-41.000.
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Santala, Teuvo J.: *See—*
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Santambrogio, Alberto; and Perrotti, Emilio, to Snam Progetti S.p.A. Preparation of caprolactam and dicyclohexyl ketone. 3,847,902, 11-12-74, Cl. 260-239.30a.
Santana, Augustin Zabaleta. Rotary machine tool. 3,848,489, 11-19-74, Cl. 82-61.000.
Santangelo, Carmine A. Adaptor for spark plug wires to distributor cap. 3,842,387, 10-15-74, Cl. 339-26.000.
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Santi, John D., to Briggs & Stratton Corporation. Valve for deep vacuum chambers. 3,857,545, 12-31-74, Cl. 251-229.000.
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Santiago, Andres, to Zeuna-Staerker KG. Method for the detoxification of exhaust gases of internal combustion engines. 3,803,839, 4-16-74, Cl. 60-274.000.
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Santilli, Arthur A.: *See—*
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Santilli, Arthur A.; Scotese, Anthony C.; and Bell, Stanley C., to American Home Products Corporation. N,N'-(9-oxoxanthene-2,7-diyl) bis[2-Dl (lower) alkyl-aminoacetamides]. 3,794,663, 2-26-74, Cl. 260-335.000.
Santilli, Arthur A.; and Kim, Doug H., to American Home Products Corporation. Certain 2-substituted-4,6-diamino-5-pyrimidine (1) carboxaldehydes. 3,795,674, 3-5-74, Cl. 260-256.40n.
Santilli, Arthur A.; Scotese, Anthony C.; and Tomarelli, Rudolph M., to American Home Products Corporation. (2-Pyrimidinylthio)alkanoic acids, esters, amides and hydrazides. 3,814,761, 6-4-74, Cl. 260-356.50r.
Santilli, Arthur A., to Kim, Dong H. and American Home Products Corporation. 4-Thiosemicarbazido-5-pyrimidinecarboxylic acid alkyl esters. 3,814,762, 6-4-74, Cl. 260-256.50r.
Santilli, Arthur A.; Scotese, Anthony C.; and Bell, Stanley C., to American Home Products Corporation. N,N'-(naphthylenedioxydiethylene)bis(di (lower)-alkylamines) and the salts thereof. 3,816,430, 6-11-74, Cl. 260-570.700.
Santilli, Arthur A.; Kim, Dong H.; and Fieber, Richard A., to American Home Products Corporation. Derivatives of 2-methylthio- and 2-phenyl-4,6-dichloro-5-pyrimidinecarboxaldehyde. 3,836,529, 9-17-74, Cl. 260-240.00g.
Santilli, Arthur A.; Scotese, Anthony C.; and Kim, Dong H., to American Home Products Corporation. 3-(Substituted) amino)-5,6-diphenyl-4-pyridazinecarboxylic acids. 3,836,532, 9-17-74, Cl. 260-250.00a.
Santilli, Arthur A.; and Kim, Dong H., to American Home Products Corporation. 5,6,7,8-Tetrahydro-5-oxo-pyrido(2,3-d) pyrimidine-6-carbonitriles and related compounds. 3,843,645, 10-22-74, Cl. 260-247.20b.

Santilli, Arthur A., and Scotese, Anthony C., to American Home Products Corporation. 1,7-Dialkyl-1,2-dihydro-4-hydroxy-1,8-naphthyridine-3-carboxylic acid alkyl esters. 3,853,864, 12-10-74, Cl. 260-295.50b.
Santilli, James N.: *See—*
Grove, Louis C., Jr.; Harder, John E.; Kennon, Richard D.; and Santilli, James N., 3,801,870.
Ringler, Tim N.; and Santilli, James N., 3,816,800.
Thiel, Peter H.; and Santilli, James N., 3,783,342.
Santilli, Raymond R. Alternator power source. 3,845,321, 10-29-74, Cl. 290-40.000.
Santilli, Ruggero. Sprocket driven annular saw. 3,808,685, 5-7-74, Cl. 30-389.000.
Santilli, Ruggero. Intermeshing paddles. 3,847,395, 11-12-74, Cl. 273-96.00r.
Santilli, Ruggero. Intermeshing paddles. 3,847,398, 11-12-74, Cl. 273-96.00r.
Santo, Tamio: *See—*
Shibata, Hideo; Emori, Takashi; Kurasawa, Kazuo; Okabe, Masao; and Santo, Tamio. 3,794,427.
Santoli, Michael. Security license plate for vehicles. 3,805,231, 4-16-74, Cl. 340-63.000.
Santoni, Cesar, to Greif Bros. Corporation. Drum provided with port assmebly for gas monitoring. 3,797,692, 3-19-74, Cl. 220-24.00r.
Santora, Norman J.: *See—*
Diamond, Julius; and Santora, Norman J., 3,825,553.
Diamond, Julius; and Santora, Norman J., 3,825,587.
Santora, Norman Julian: *See—*
Diamond, Julius; and Santora, Norman Julian, 3,821,267.
Diamond, Julius; and Santora, Norman Julian, 3,821,268.
Diamond, Julius; and Santora, Norman Julian, 3,852,323.
Santori, Charles M., to Setcom Corporation. Bone conduction microphone assembly. 3,787,641, 1-22-74, Cl. 179-107.0bc.
Santoro, John H. Duct sections with prefabricated slips. 3,805,845, 4-23-74, Cl. 138-109.000.
Santos, Anthony R.; Santos, Ontario R.; and Allen, Gerald Dean. Device for removing noxious matter from exhaust gases. 3,824,769, 7-23-74, Cl. 55-223.000.
Santos, Manuel V. Surgical instruments. 3,828,791, 8-13-74, Cl. 128-321.000.
Santos, Manuel V. Knot tying instruments. 3,834,395, 9-10-74, Cl. 128-326.000.
Santos, Ontario R.: *See—*
Santos, Anthony R.; Santos, Ontario R.; and Allen, Gerald Dean, 3,824,769.
Santroch, George: *See—*
Demerson, Christopher A.; Humber, Leslie G.; Santroch, George; Dobson, Thomas A.; and Jirkovsky, Ivo, 3,833,575.
Santron Corporation: *See—*
Sanner, George E., 3,809,116.
Sanner, George E., 3,848,616.
Santulli, Vincent F.: *See—*
Deluca, Paul V.; Santulli, Vincent F.; Gazzo, John J., Jr.; Manos, George; and Mickowski, John, 3,842,218.
Sanvitale, Salvatore. Tire attachment for traction on ice or snow. 3,850,216, 11-26-74, Cl. 152-225.000.
Sanvordenker, Keshav S., to Tecumseh Products Company. Method of suppressing noise in hermetic compressors. 3,792,755, 2-19-74, Cl. 181-33.00h.
Sanwa Kako Co., Ltd.: *See—*
Yoshida, Iwao, 3,857,749.
Sanwa Kiko Kabushiki Kaisha: *See—*
Ogura, Taketoshi, 3,849,946.
Sanwa Tetsuki Kougiyou Kabushiki Kaisha: *See—*
Iida, Mizuho, 3,804,208.
Noda, Hiroshi, 3,854,172.
Sanwald, John W.: *See—*
Maclean, John P.; Strickland, John C.; and Sanwald, John W., 3,806,324.
Smith, Randlow; Strickland, John C.; and Sanwald, John W., 3,824,080.
Smith, Randlow; Strickland, John C.; Sanwald, John W.; and Jones, Henry B., 3,824,081.
Sanyei Merchandise Co., Ltd.: *See—*
Sigma, Kenji, 3,807,729.
Sigma, Kenji, 3,822,061.
Sanymetal Products Co., Inc., The: *See—*
Dielman, Harold J., 3,799,593.
Dielman, Harold J., 3,813,836.
Sanyo Chemical Company Ltd.: *See—*
Yonezawa, Toyozo, 3,786,079.
Sanyo Chemical Industries, Ltd.: *See—*
Fujimoto, Takehiko; Nishimura, Mikio; and Takigawa, Shoji, 3,795,614.
Hijimoto, Takehiki; Okada, Masashi; and Inque, Higashiyama, 3,784,597.
Sanyo Electric Co., Ltd.: *See—*
Ikeguchi, Shigehiko; and Yamashita, Norio, 3,798,463.
Kurita, Yuko; Kawanishi, Yasuhiro; Yoshikawa, Katsuji; and Tanaka, Kiyoshi, 3,849,028.
Miyagi, Tatsuo; and Sakata, Shigeru, 3,837,174.
Miyake, Yuji; Kashiwara, Hideo; and Mizukawa, Jun, 3,835,626.
Niwa, Shinichi, 3,812,039.
Sugaya, Shoji; Hikita, Tadashi; Ishii, Yasuhiro; Ota, Osamu; and Sawada, Yoji, 3,807,859.
Suzuki, Kozi, 3,824,621.
Yazaki, Takehito; Kanatani, Keiichi; and Sakamoto, Sadao, 3,823,998.
Sanyo Kiki Kabushiki Kaisha: *See—*
Kisaka, Masami, 3,805,980.
Sanyo-Kokusaku Pulp Co., Ltd.: *See—*
Okabe, Jiro; Machihara, Akira; Kaneyasu, Mutsumi; and Kato, Kojiro, 3,854,995.
Sanz, Manuel C.; and Revillet, Georges, to Micromedic Systems, Inc. Light shifting system for use in an optical instrument, such as a spectrophotometer. 3,856,415, 12-24-74, Cl. 356-205.000.
Sanzo, Robert J.: *See—*
English, Myrle H.; Goodstal, Laurence; Leek, Wayne E.; Sanzo, Robert J.; Turner, Robert L.; Workman, Clark B.; and Yetter, Edward W., 3,827,334.
English, Myrle H.; Goodstal, Laurence; Leek, Wayne E.; Sanzo, Robert J.; Turner, Robert L.; Workman, Clark B.; and Yetter, Edward W., 3,857,025.
Goodstal, Laurence K.; Leek, Wayne E.; Sanzo, Robert J.; Turner, Robert L.; Workman, Clark B.; and Yetter, Edward W., 3,843,875.
Sapiano, John, to Lee, Raymond, Organization, Inc., The. Liquid mixing device. 3,791,410, 2-12-74, Cl. 137-604.000.
Sapienza, James J., to General Electric Company. Food waste disposer with outer wrapper. 3,814,333, 6-4-74, Cl. 241-46.00b.
Sapino, Chester, Jr.; and Ruggeri, Mariano Vecchio, to Bristol-Myers Company. Production of cephalexin via methoxymethyl ester. 3,843,639, 10-22-74, Cl. 260-243.00c.
Sapinski, Stanley. Training aid for stringed musical instrument. 3,854,370, 12-17-74, Cl. 84-485.000.
Sapir, Said, to International Telephone and Telegraph Corporation. Solid state thermostat. 3,815,815, 6-11-74, Cl. 237-78.000.
Sapir, Said, to International Telephone and Telegraph Corporation. Temperature measuring voltage to current coverter. 3,817,104, 6-18-74, Cl. 73-362.0ar.
Sapko, Alexandr Ivanovich: *See—*
Paton, Boris Evgenievich; Pryanishnikov, Igor Stepanovich; Movchan, Boris Alexeevich; Tikhonovsky, Alexei Lavrentievich; Krivosheykov, Jury Mikhailovich; Ljubarets, Leonid Fedorovich; Timashov, Viktor Alexandrovich; Asoiants, Grigory Bagradovich; Sapko, Alxandr Ivanovich; Topilin, Valentin Vasilievich; Kosyrev, Lev Konstantinovich; Tjulkin, Andrei Alexeevich; Nakhabin, Vyacheslav Vasilievich; Kultygin, Vasily Semenovich; Sergeev, Georgy Nikolaevich, Kucherenko, Pavel Petrovich; Gostry, Petr Dmitrievich; Barnov, Anotaly Alexeevich, and Zaika, Oleg Nikolaevich. 3,821,979.
Sapkus, Jurgis: *See—*
Moquin, Leonard R.; and Sapkus, Jurgis, 3,793,766.
Sapkus, Jurgis; Lewis, J. Lewis; Piurkowsky, Stephen W.; and Cleveland, Dale P., to Mattel, Inc. Manually-manipulated animated figure toy. 3,852,911, 12-10-74, Cl. 46-126.000.
Sapkus, Jurgis; Lewis, J. Stephen; Vowles, Colin; and Yarbrough, William R., to Mattel Inc. Animation device for a figure toy 3,855,729, 12-24-74, Cl. 46-116.000.
Sapochinik, Leon. Hair-comb cleaning device. 3,813,722, 6-4-74, Cl. 15-104.920.
Sapolin Paints, Inc.: *See—*
Eckart, Albert Edmund, Jr., 3,837,949.
Saponara, Domenick, to International Telephone and Telegraph Corporation. Control apparatus. 3,786,273, 1-15-74, Cl. 307-117.000.
Saponara, Domenick, to International Telephone and Telegraph Corporation. Control apparatus. 3,786,274, 1-15-74, Cl. 307-117.000.
Saporito, Anthony: *See—*
Reimus, Richard G.; and Saporito, Anthony, 3,783,632.
Saporito, John R., 1/4 each to Spinello, Joseph A. and Fasula, Frank S. Concealed lock for water service cut-off box. 3,797,286, 3-19-74, Cl. 70-169.000.
Saposhkov, Alexandr Mikhailovich. *See—*
Kaljuko, Alexei Yakovlevich; Simkhovich, Fridrikh Levikovich; Cherednik, Nina Fedorovna; Pravednaya, Ljudmila Dmitrievna; Kasakov, Alexei Mikhailovich; Saposhkov, Alexandr Mikhailovich; and Lischinsky, Anri Iosifovich. 3,835,250.
Sapozhnikov, Alexandr Ivanovich: *See—*
Olshansky, Nikolai Alexandrovich; Smelyansky, Matvei Yakovlevich; Lopatko, Anatoly Petrovich; Tkachev, Leonid Grigorievich; Kozhaev, Arkady Filippovich; Sapozhnikov, Alexandr Ivanovich; and Chernakov, Gennady Anatolievich. 3,829,651.
Sapper, Jorg, to Brown Boveri & Company Limited. Starting device for a synchronous machine. 3,823,357, 7-9-74, Cl. 318-183.000.
Sapper, Richard. Lamp with an articulated support. 3,790,773, 2-5-74, Cl. 240-81.0bd.
Sapper, Richard; and Marocco, Sergio, to Fiat Societa per Azioni and Industrie Pirelli S.p.A. Pneumatic shock absorbing bumper. 3,823,969, 7-16-74, Cl. 293-71.00p.
Saprykin, Pavel Ivanovich: *See—*

Krasnov, Mikhail Mikhailovich; Stelmakh, Mitrofan Fedorovich; Malyshev, Boris Nikolaevich; Prozorov, Vladimir Nikolaevich; Saprykin, Pavel Ivanovich; and Batrukova, Maria Grigorievna, 3,828,788.

Sara, Raymond Vincent, to Union Carbide Corporation. Carbon fiber reinforced nickel matrix composite having an intermediate layer of metal carbide. 3,796,587, 3-12-74, Cl. 117-71.00r.

Sara, Raymond Vincent, to Union Carbide Corporation. Carbon fiber reinforced nickel matrix composite having an intermediate layer of metal carbide. 3,807,996, 4-30-74, Cl. 75-204.000.

Sarabia, Armando Belmares: *See*—
Gould, George K.; and Sarabia, Armando Belmares, 3,824,336.

Saradzhev, Georgy Mikhailovich: *See*—
Bondarev, Vitaly Petrovich; Tusunian, Georgy Varlamovich; Budenny, Genady Georgievich; Mgeladze, Nodar Vladimirovich; Anisimov, Andr Vladimirovich; Saradzhev, Georgy Mikhailovich; Shakhbudagian-Shou, Suren Emmanuilovich; and Oringolts, Leonid Vladimirovich 3,815,745

Sarafidis, Christos: *See*—
Campbell, John B.; Cluff, Edward Fuller; and Sarafidis, Christos, 3,790,480.

Sarageno, Ignatius B.; and Wegmiller, Gary R., to National Cash Register Company, The. Rotary disk coin dispenser with spring tabs. 3,788,334, 1-29-74, Cl. 133-4.00r.

Saranoue, Susumu: *See*—
Yanagida, Marco; Saranoue, Susumu; Nakagawa, Hideyuki; and Bruderer, Werner, 3,794,218.

Sarantakis, Dimitrios: *See*—
McKinley, Wayne A.; and Sarantakis, Dimitrios, 3,842,066.

Sarantakis, Dimitrios, to American Home Products Corporation. Synthesis of (Des-Asn^3)-SRIF and intermediates. 3,842,067, 10-15-74, Cl. 260-112.500.

Sarantakis, Dimitrios, to American Home Products Corporation. Novel intermediates for synthesis of --L-(5-oxoprolyl)-L-histidy-L-tryptophyl-L-seryl-L-tyrosyl-L-glycyl-L-leucyl --L-arginyl-L-prolyl-glycine amide-and process for preparation of --L-(5-oxoproly)-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-L-glycyl --L-leucyl-L-arginyl-L-prolyl-glycine amide. 3,855,198, 12-17-74, Cl. 260-112.500.

Sarantakis, Dimitrois; McGregor, William H.; and McKinley, Wayne A., to American Home Products Corporation. P-glu-his-leu-arg-pro-gly-NH$_2$ and intermediates. 3,826,796, 7-30-74, Cl. 260-112.500.

Sarati, Luigi; and Intini, Vincenzo, to Societa' Italiana Telecomunicazioni Siemens S.p.A. Radiotelephone system with central office having individual processors assignable to respective mobile units aboard communicating vehicles. 3,808,537, 4-30-74, Cl. 35-38.00a.

Saratoga Development Corporation: *See*—
Sabins, Rolland C., 3,819,160.

Saratoga Systems, Inc.: *See*—
Brown, Alvin E., 3,817,098.
Brown, Alvin E., 3,818,757.

Saravis, Calvin A.: *See*—
Forget, Ronald D.; and Saravis, Calvin A., 3,855,846.

Sarhacher, Robert I: *See*—
Bogue, John C.; and Sarhacher, Robert I, 3,825,833.
Mauch, Robert E.; and Sarhacher, Robert I., 3,796,940.
Mauch, Robert E.; and Sarhacher, Robert I., 3,801,794.
Mauch, Robert E.; and Sarhacher, Robert I., 3,846,177.

Sarbello, Alfred J.: *See*—
Stella, Leo; and Sarbello, Alfred J., 3,848,938.

Sarcia, Domenico S., to Amron Research and Development Corporation. Embossed card reader and imprinter. 3,825,727, 7-23-74, Cl. 235-61.11r.

Sarcia, Domenico S., to Seal, Inc., mesne. Laminating apparatus. 3,840,420, 10-8-74, Cl. 156-358.000.

Sarco Canada Limited: *See*—
Adachi, Rai Reiji, 3,847,814.

Sard, Richard: *See*—
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Sarda, Jean-Paul: *See*—
Lebreton, Francisque; Sarda, Jean-Paul; and Morlier, Pierre, 3,791,479.

Sarda, Pierre Jean Francois Jacques: *See*—
Irissou, Pierre Regis Marie Henri; and Sarda, Pierre Jean Francois Jacques, 3,849,715.

Sardisco, John B., to Pennzoil Company. Treatment of copper iron sulfides to form X-bornite. 3,817,743, 6-18-74, Cl. 75-1.000.

Sarem, Amir M., to Union Oil Company of California. Mobility-controlled caustic flood. 3,805,893, 4-23-74, Cl. 166-270.000.

Sarett, Lewis H.: *See*—
Arth, Glen E.; Sarett, Lewis H.; and Patchett, Arthur A., 3,821,374.

Sarett, Lewis H.; Shen, Tsung-Ying; and Dorn, Conrad P., Jr., to Merck & Co., Inc. Preventing pain, fever and inflammation with cyclic hydroxy sulfoxides. 3,790,676, 2-5-74, Cl. 424-275.000.

Sarett, Lewis H.; and Ruyle, William V., to Merck & Co., Inc. 5-(Oxazolyl)- and 5-(thienyl)-salicylic acids. 3,843,671, 10-22-74, Cl. 260-307.00r.

Saretzky, Horst: *See*—
Kurten, Fritz; and Saretzky, Horst, 3,783,973.

Sarfati, Alberto Gustavo: *See*—
Vischiani, Giuseppe; and Sarfati, Alberto Gustavo, 3,791,598.

Sargeant, Archibald, to Wingard Limited. Safety seat belt assemblies. 3,830,444, 8-20-74, Cl. 242-107.400.

Sargeant, John E.: *See*—
Zeigner, Willard L.; Popitt, Gordon J.; Sargeant, John E.; and Zawistowski, Ronald J., 3,796,284.

Sargent & Greenleaf, Inc.: *See*—
Gartner, Klaus W., 3,796,130.
Gartner, Klaus W.; Van Ryne, Randall Edward; and Higgins, Eldon C., 3,837,196.

Sargent and Company Division of Walter Kidde & Co.: *See*—
Floyd, Alfred E.; and Erickson, Lars E., 3,811,717.

Sargent, Donald E.: *See*—
Saeva, Franklin D.; and Sargent, Donald E., 3,801,319.

Sargent, Duane S.: *See*—
Greytak, Donald A.; and Sargent, Duane S., 3,854,396.

Sargent, Edward A.; and Doner, Arthur J., to Grumman Ecosystems Corporation. Apparatus for disposing of solid wastes. 3,842,762, 10-22-74, Cl. 110-14.000.

Sargent, Freeman E. Endless track vehicles. 3,807,521, 4-30-74, Cl. 180-6.480.

Sargent Industries, Inc.: *See*—
Chacko, Joseph Nmi; Davy, Ronald H.; and Satterfield, Robert S., 3,833,088.
Satterfield, Robert S.; and Chacko, Joseph, 3,845,920.
Smith, Fred T., 3,812,676.
Smith, Fred T., 3,841,093.
Turner, Peter H., 3,802,756.

Sargent Industries, Inc., mesne: *See*—
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Sargent Industries of Michigan, Inc.: *See*—
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Sargent, John A.: *See*—
Crane, Robert A.; Lipps, Benjamin J.; and Sargent, John A., 3,795,318.

Sargent, Robert J., to Retsel Inc. Flexible cover assembly. 3,785,694, 1-15-74, Cl. 296-98.000.

Sargent-Welch Scientific Company: *See*—
Boostrom, Roy Edward; Mandell, Arman, and Malter, Lewis, 3,806,259.

Sarges, Reinhard: *See*—
Evanega, George R.; Kuhla, Donald E.; and Sarges, Reinhard, 3,829,434.
Kuhla, Donald E.; Sarges, Reinhard; and Wiedermann, Hans E., 3,856,806.

Sarges, Reinhard, to Pfizer Inc. 1-Benzolyl-2-trifluoroacetamidebenzimidazoles. 3,839,353, 10-1-74, Cl. 260-309.200.

Sargesnt, Kenneth: *See*—
Christie, Alma Aranshew; Elsworth, Raymond; Herbert, Denis; and Sargesnt, Kenneth, 3,843,445.

Sargis, John R., to Addressograph-Multigraph Corporation. Photoelectrostatic copying apparatus. 3,838,921, 10-1-74, Cl. 355-15.000.

Sargisson, Donald Farley; and Rundell, Dan Joseph, to General Electric Company. Multi mission tandem propulsion system. 3,841,091, 10-15-74, Cl. 60-224.000.

Sarhacher, Robert I., to Bogue, John C. Light source. 3,798,437, 3-19-74, Cl. 240-10.60r.

Sarhadiam, Aram: *See*—
Ter-Gevorkian, Vrej, 3,848,345.

Sarich, Tony Ralph. Rotary motor. 3,787,150, 1-22-74, Cl. 418-61.000.

Sarkar, Asim Kumar, to Hickson & Welch Limited. Novel 1,2,4-oxadiazole derivatives. 3,793,340, 2-19-74, Cl. 260-302.00d.

Sarkes Tarzian, Inc.: *See*—
Badger, Joe G.; and Valdettaro, Alarico A., 3,798,978.
Busch, Albert E., 3,821,468.
Godwin, George A.; and Wagle, William E., 3,809,831.
Godwin, George A.; and Wagle, William E., 3,857,293.
Shields, Marvin L., 3,825,767.
Shields, Marvin L., 3,836,823.
Tkacenko, Nikola B., 3,812,286.
Valdettaro, Alarico A., 3,842,683.
Valdettaro, Alarico A., 3,844,176.

Sarkilahti, Risto Martti, to Oy Nokia Ab. Method for demodulation of a differentially phase-modulated signal. 3,843,931, 10-22-74, Cl. 329-104.000.

Sarkisian, Arthur; and Murphy, Charles P., to International Telephone and Telegraph Corporation. Grouting composition. 3,788,081, 1-29-74, Cl. 61-36.00r.

S.A.R.L. Etud: *See*—
Marrie, Paul, 3,809,325.
Marrie, Paul, 3,853,045.

Sarlah Aktiengesellschaft: *See*—
Eber, Nicolas; and Asher, Amram, 3,807,189.
Kouremenos, Demetre, 3,842,618.

S.A.R.L."Constructions Isothermiques Bontami": *See*—
Charmeil, Pierre; and DeBieuvre, Michel, 3,828,152.

Sarle, Charles Richard: *See*—

Cutler, John Frederick; Edwards, Robert Andrew; and Sarle, Charles Richard, 3,834,156.

Sarlos, Agoston: *See*—
Kovacs, Jozsef; Hegyesi, Janos; and Sarlos, Agoston, 3,807,327.

Sarlos, Agoston, to Lampart. Varying velocity gearing. 3,820,410, 6-28-74, Cl. 74-393.000.

Sarmac S.A.: *See*—
Rusbach, Maurice, 3,819,132.

Sarna, Donald S., to United States of America, Army. Anti-laser optical filter assembly. 3,792,916, 2-19-74, Cl. 350-163.000.

Sarna, Toby R. Hair teaser. 3,782,395, 1-1-74, Cl. 132-9.000.

Sarnacke, Philip M.; and Archer, Wesley L., to Dow Chemical Company, The. Stabilization of ethyl cellulose with sodium omicron and RHO nitrobenzoates. 3,854,958, 12-17-74, Cl. 106-14.000.

Sarnacki, Frank H.; and Steenstrup, Robert V., to International Business Machines Corporation. Immersion solder leveling apparatus using ultrasonic cavitation. 3,795,358, 3-5-74, Cl. 228-19.000.

Sarnacki, Frank H.; and Steenstrup, Robert V., to International Business Machines Corporation. Glycerol soldering fluxes. 3,796,610, 3-12-74, Cl. 148-25.000.

Sarnacki, Frank H.; and Steenstrup, Robert V., to International Business Machines Corporation. Apparatus for soldering printed circuit cards. 3,825,164, 7-23-74, Cl. 228-37.000.

Sarno, Dante H., to Shell Oil Company. Butadiene recovery process. 3,798,132, 3-19-74, Cl. 203-53.000.

Sarnoff, Caron. Post cosmetic surgery protector. 3,804,087, 4-16-74, Cl. 128-163.000.

Sarnoff, Stanley J.; and Reinhold, Herbert E., Jr., to Survival Technology Inc. Apparatus and method of monitoring the electrical activity of the heart of a human with armpit located electrodes. 3,792,700, 2-19-74, Cl. 128-2.06r.

Sarnoff, Stanley J.; and Calkins, George B., to Survival Technology, Inc. Training injector. 3,795,061, 3-5-74, Cl. 35-17.000.

Sarnoff, Stanley J., to Survival Technology, Inc. Hypodermic injection device with shock absorbing spring. 3,797,489, 3-19-74, Cl. 128-218.00f.

Sarnoff, Stanley J., to Survival Technology, Inc. Cartridge syringe. 3,811,441, 5-21-74, Cl. 128-218.0da.

Sarns, Inc.: *See*—
Sarns, Richard N., 3,851,646.
Teders, Philip J., 3,809,243.

Sarns, Norman M. Shaft lock. 3,786,775, 1-22-74, Cl. 115-.50r.

Sarns, Richard N., to Sarns, Inc. Connector for open heart surgery. 3,851,646, 12-3-74, Cl. 128-214.00r.

Saroch, Vladimir: *See*—
Kubec, Jiri; and Saroch, Vladimir, 3,784,361.

Sarot, Pierre; Delattre, Michel; and Decamps, Alain, to Solvay & Cie. Activation of peroxide washing and bleaching baths. 3,816,319, 6-11-74, Cl. 252-95.000.

Saroy Engineering: *See*—
Husted, Royce Hill, 3,853,192.

Sarracino, Marcello, to Industrie Pirelli, S.p.A. Double-trist stranding or cabling machine. 3,812,666, 5-28-74, Cl. 57-58.520.

Sarring, Ernest J., to Rockwell International Corporation. Feed, transport and delivery mechanism for book trimmers and the like. 3,830,354, 8-20-74, Cl. 198-165.000.

Sarstedt, Walter; Krause, Hans-Dieter; and Wisser, Hermann. Device for receiving and dispensing variable liquid quantities. 3,848,777, 11-19-74, Cl. 222-386.000.

Sarto, Jormia O., to Chrysler Corporation. Exhaust recirculation. 3,817,230, 6-18-74, Cl. 123-119.00a.

Sarto, Jormia O., to Chrysler Corporation. Exhaust recirculation. 3,827,414, 8-6-74, Cl. 123-119.00a.

Sartor, Raymond A. Vehicle curve speed warning device. 3,798,593, 3-19-74, Cl. 340-52.00h.

Sartori, Daniel. Drawing apparatus. 3,783,519, 1-8-74, Cl. 33-77.000.

Sartori, Raymond Gerald, to Liskey Aluminum, Inc. Deforming a slotted tube. 3,800,582, 4-2-74, Cl. 72-78.000.

Sartori, Roland, to Rhone-Poulenc-Textile. Apparatus and method for forming a piecing end for wound yarn. 3,823,884, 7-16-74, Cl. 242-18.0pw.

Sartori, Rolland, to Ateliers Roannais de Constructions Textiles. Reciprocating yarn guide. 3,796,383, 3-12-74, Cl. 242-43.000.

Sartori, Rolland, to Rhone-Poulenc-Textile. Holding means for yarn winding carrier which is to rotate at high speeds. 3,831,869, 8-27-74, Cl. 242-18.0dd.

Sartorio, Franco, to D.E.A. Digital Electronic Automation S.p.A. Structure for measuring machines, machine tools and the like immune from the influence of variable, fixed or mobile loads acting on it, including the weight of the workpieces and from the influence of the ground to which it is connected. 3,785,743, 1-15-74, Cl. 408-143.000.

Sartorio, Franco, to D.E.A. Digital Electronic Automation S.p.A. Tridimensional universal tracer, slidable on a air bearings for continuous, high-speed copying of profiles of models. 3,824,893, 7-23-74, Cl. 90-62.00a.

Sartorius, Guy, to Societe des Aciers Fins de l'Est. Process and apparatus for monitoring and control of metallurgical furnaces. 3,786,161, 1-15-74, Cl. 13-12.000.

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Sato, Yoshio, to Kabushiki Kaisha Ideal. Automatically openable and closable umbrella. 3,856,030, 12-24-74, Cl. 135-22.000.

Sato, Yuichiro, to Taiheiyo Kinzoku Kabushiki Kaisha. High toughness iron balls and process of making the same. 3,844,844, 10-29-74, Cl. 148-2.000.

Sato, Yuji; and Takahashi, Hideyuki. Process for conversion of alkyl aromatic hydrocarbons. 3,819,736, 6-25-74, Cl. 260-672.00t.

Sato, Yukihiro: *See—*
Noguchi, Kazuo; Iwai, Shigeru; Sato, Yukihiro; and Kitamura, Yoshiaki, 3,851,769.

Sato, Yukihiro; and Ichinosawa, Toshiju, to Kabushiki Kaisha Daini Seikosha. Programmed signal generating apparatus. 3,786,236, 1-15-74, Cl. 235-61.11e.

Satoh, Daisuke, to Shionogi & Co., Ltd. Pharmaceutical compositions. 3,856,944, 12-24-74, Cl. 424-182.000.

Satoh, Harumi: *See—*
Mizutani, Yoshihisa; Ohba, Isao; Misaki, Takeshi; and Satoh, Harumi, 3,830,720.

Satoh, Ichiya: *See—*
Kawamata, Isamu; Ai, Mitsuo; and Satoh, Ichiya, 3,827,298.

Satoh, Mitsutoshi: *See—*
Takagi, Atsushi; Miura, Mitsuo; Suzuki, Akio; Kukino, Yoshinori; Amagai, Kiyoshi; Shimizu, Haruji; Satoh, Mitsutoshi; Kohno, Shoji; and Ebine, Mitsuo, 3,848,685.

Satoh, Setsuo: *See—*
Takagi, Tooru; Shinoyama, Tsuneyoshi; and Satoh, Setsuo, 3,786,627.

Satoh, Yasuo: *See—*
Honda, Soichiro; and Satoh, Yasuo, 3,855,573.

Satoh, Yoshiaki; and Funaki, Hidefumi, to Nippon Electric Varian, Ltd. Receiver circuit including a crystal resonator for nuclear magnetic resonance signals of two different frequencies. 3,858,112, 12-31-74, Cl. 324-.50r.

Satoi, Shuzo: *See—*
Murao, Sawao; Satoi, Shuzo; Kuwana, Noriaki; Fukumura, Masayuki; and Kawamura, Tamio, 3,819,486.

Satomi, Kouji: *See—*
Ueno, Saburo; Kawasaki, Takao; Inmaru, Daisaku; Ohsaka, Yoshiaki; Satomi, Kouji; Sasaki, Akio; and Ohtake, Osamu, 3,822,301.

Satomi, Takeo: *See—*
Akiba, Keiichiro; Fujinami, Akira; Mine, Akihiko; Satomi, Takeo; and Hino, Naganori, 3,798,233.
Mine, Akihiko; Fujinami, Akira; Kameda, Nobuyuki; Hino, Naganori; Satomi, Takeo; and Tateishi, Kohshi, 3,846,441.
Tanaka, Shizuya; Ozaki, Toshiaki; Mine, Akihiko; Tanaka, Katsutoshi; Yamamoto, Sigeo; Ooishi, Tadashi; Hino, Naganori, and Satomi, Takeo, 3,832,351.

Satomi, Tokokazu: *See—*
Fujimoto, Sakae; Satomi, Tokokazu; Tomizuka, Mituo; Yamauchi, Masayuaki; and Ogawa, Toshiyuki, 3,820,776.

Satomoto, Atsushi: *See—*
Takaeda, Hisanobu; and Satomoto, Atsushi, 3,809,492.

Satomura, Masato: *See—*
Hayakawa, Yoshihide; and Satomura, Masato, 3,782,943.
Hayakawa, Yoshihide; and Satomura, Masato, 3,782,944.
Hayakawa, Yoshihide; and Satomura, Masato, 3,790,378.
Osada, Chiaki; Satomura, Masato; and Ono, Hisatake, 3,804,628.

Satomura, Masato, to Fuji Photo Film Co., Ltd. Novel reactive cinnamate polymers. 3,826,784, 7-30-74, Cl. 260-47.0ua.

Satomura, Masato, to Fuji Photo Film Co. Ltd. Light-sensitive high polymer compound and process for the preparation thereof. 3,856,757, 12-24-74, Cl. 260-77.5cr.

Satoo, Isamu: *See—*
Okada, Jujiro; and Satoo, Isamu, 3,834,028.

Satoru, Honjo: *See—*
Sato, Masamichi; Takahashi, Isoji; and Satoru, Honjo, 3,833,364.

Satoyoshi, Yasuhiko: *See—*
Nakamura, Takeshi; Satoyoshi, Yasuhiko, and Shimoda, Noboru, 3,829,947.
Takiguchi, Sunichi; Satoyoshi, Yasuhiko; Hamada, Shinji; Nakamura, Takeshi; Koba, Sadaaki; and Shimoda, Noboru, 3,857,153.

Satre, Cliff Wayne: *See—*
Grout, Roy Francis; and Satre, Cliff Wayne, 3,800,818.

Satriana, Daniel R.: *See—*
Picard, Jean P.; Satriana, Daniel R.; and Masuelli, Frank J., 3,813,439.

Sattavara, Sven W.: *See—*
Pilon, Howard M.; Sattavara, Sven W.; and Scheehter, Michael M., 3,831,701.

Satter, Abdus: *See—*
Christopher, Charles A., Jr.; and Satter, Abdus, 3,818,989.

Satter, Sheldon M. Detachable lift spoiler for stationary aircraft. 3,794,275, 2-26-74, Cl. 244-41.000.

Satterfield, Robert S.: *See—*
Chacko, Joseph Nmi; Davy, Ronald H.; and Satterfield, Robert S., 3,833,088.

Satterfield, Robert S.; and Chacko, Joseph, to Sargent Industries, Inc. Inflatable evacuation ramp. 3,845,920, 11-5-74, Cl. 244-137.00p.

Satterly, Kenneth P., to Witco Chemical Corporation. Polyurethane rigid foams from prepolymers. 3,846,347, 11-5-74, Cl. 260-2.5af.

Sattler, James L.; and Phillips, David P., to Wildwood Products, Inc. Awning construction. 3,826,271, 7-30-74, Cl. 135-5.0at.

Sattler, James L., to Wildwood Products, Inc. Awning construction. 3,834,400, 9-10-74, Cl. 131-5.0at.

Sattler, Walter J., to General Motors Corporation. Internal combustion engine speed limiting circuit. 3,789,810, 2-5-74, Cl. 123-102.000.

Sattler, Walter J., to General Motors Corporation. Ignition spark vacuum advance system. 3,824,972, 7-23-74, Cl. 123-117.00a.

Satto, Jiro: *See—*
Susuki, Rinnosuke; Hoshi, Hiroshi; Satto, Jiro; Takano, Koichi; and Kosikawa, Kiyoshi, 3,856,614.

Saturn Machine & Welding Co., Inc.: *See—*
Baird, William R.; and Sutton, Kenneth O., 3,847,753.

Satz, Mark V.; Edwards, Lawrence A.; and Livsey, Thomas, to Calgon Corporation. Process for coating seafood. 3,806,612, 4-23-74, Cl. 426-302.000.

Satzinger, Gebhard, Metallwarenfabrik: *See—*
Satzinger, Roland, 3,842,939.

Satzinger, Gerhard: *See—*
Hartenstein, Johannes Hermann; Satzinger, Gerhard; and Herrmann, Manfred Franz, 3,792,038.
Hartenstein, Johannes Hermann; and Satzinger, Gerhard, 3,843,627.
Hartenstein, Johannes Hermann; Satzinger, Gerhard; and Warner-Lambert Company, 3,857,832.
Stoss, Peter; and Satzinger, Gerhard, 3,803,131.

Satzinger, Gerhard; and Hechtfischer, Gustav, to Warner-Lambert Company. Process for substituted cyclohexenes and its products. 3,792,080, 2-12-74, Cl. 260-471.00a.

Satzinger, Roland, to Satzinger, Gebhard, Metallwarenfabrik. Grease box for dispensing lubricant. 3,842,939, 10-22-74, Cl. 184-39.000.

Satzler, Ronald L.: *See—*
Miller, Robert G.; Crayton, John W.; Farmer, Charles G.; and Satzler, Ronald L., 3,840,979.

Satzler, Ronald L.; and Calton, Marion R., to Caterpillar Tractor Company. Cluster gear assembly produced by friction welding. 3,831,459, 8-27-74, Cl. 74-439.000.

Sauber, Charles J. Safety chain bolt. 3,802,722, 4-9-74, Cl. 280-457.000.

Saucier, Edwin C., Jr.: *See—*
Saucier, Edwin C., Sr.; and Saucier, Edwin C., Jr., 3,836,119.

Saucier, Edwin C., Sr.; and Saucier, Edwin C., Jr., 1/3 to Saucier, Jeannie A. Roof covering removing tool. 3,836,119, 9-17-74, Cl. 254-131.000.

Saucier, Jeannie A.: *See—*
Saucier, Edwin C., Sr.; and Saucier, Edwin C., Jr., 3,836,119.

Saucier, Len, 20% to Lee, Raymond, Organization, Inc., The. Speedometer locking device. 3,808,894, 5-7-74, Cl. 73-491.000.

Saucke, Heinz, to Weill & Reineke GmbH. Method and apparatus for tightening the water-submerged joints between wall-forming elements. 3,828,563, 8-13-74, Cl. 61-60.000.

Saucy, Gabriel: *See—*
Cohen, Noal; Rosenberger, Michael, and Saucy, Gabriel, 3,813,417.
Pawson, Beverly Ann; and Saucy, Gabriel, 3,783,141.

Pawson, Beverly Ann; and Saucy, Gabriel, 3,824,291.
Rosenberger, Michael; and Saucy, Gabriel, 3,856,817.

Saucy, Gabriel, to Hoffmann-La Roche Inc. Substituted 1-(3,5-substituted-4-isoxazolyl)-7-hydroxy-non-8-en-3-ones and tautomers. 3,810,909, 5-14-74, Cl. 260-307.00h.

Saucy, Gabriel, to Hoffmann-La Roche Inc. Process for isoxazolyl lactones. 3,813,411, 5-28-74, Cl. 260-307.00h.

Saucy, Gabriel, to Hoffmann-La Roche Inc. 3-Substituted 6$\alpha\beta$-alkylcyclopenta [f] [1] benzopyrans and-naphtho [2,1-b] pyrans. 3,816,458, 6-11-74, Cl. 260-340.900.

Saucy, Gabriel; and Scott, John William, to Hoffmann-La Roche Inc. Substituted isoxazole derivatives as steroid intermediates. 3,838,163, 9-24-74, Cl. 260-307.00h.

Saucy, Gabriel, to Hoffmann-La Roche, Inc. Steroidal intermediates. 3,856,861, 12-24-74, Cl. 260-566.00a.

Saudek, Everett C. Single use container, especially for pharmaceutical material. 3,797,493, 3-19-74, Cl. 128-260.000.

Sauder Industries, Inc.: *See—*
Sauder, Robert A.; Kendrick, Gary R.; and Mase, John R., 3,819,468.

Sauder, Kenneth D. Master-slave key. 3,813,905, 6-4-74, Cl. 70-339.000.

Sauder, Robert A.; Kendrick, Gary R.; and Mase, John R., to Sauder Industries, Inc. High temperature insulation module. 3,819,468, 6-25-74, Cl. 161-152.000.

Sauer, David Allen, to Du Pont de Nemours, E. I., and Company. Polytetrafluoroethylene coatings for containing water soluble polyhydrolyzable compound glass fabrics. 3,838,082, 9-24-74, Cl. 260-29.60f.

Sauer, Fritz: *See—*
Herl, Hans; Hurlebaus, Klaus; and Sauer, Fritz, 3,820,483.

Sauer, Gerd: *See—*
Kunert, Heinz; Moebs, Heinz; and Sauer, Gerd, 3,810,180.

Sauer, Gerd, Kunert, Heinz; and Moebs, Heinz, to Saint-Gobain Industries. Window antenna. 3,845,489, 10-29-74, Cl. 343-713.000.

Sauer, Gerhard: *See—*
Eder, Ulrich; and Sauer, Gerhard, 3,816,536.

Sauer, Hans, to Matsushita Electric Works, Ltd. Relay-plug-in contact spring. 3,790,924, 2-5-74, Cl. 339-258.00r.

Sauer, Harold S.; Hagopian, Nubar D.; and Colman, John M., to Medical Innovations, Inc. Novel external circulatory assist device. 3,783,859, 1-8-74, Cl. 128-24.00r.

Sauer, J. P., & Sohn, GmbH: *See—*
Bielfeldt, Heinz, 3,835,566.
Bielfeldt, Heinz, deceased, 3,834,053.

Sauer, Joseph: *See—*
Espenschied, Helmut; Rothfuss, Georg; and Sauer, Joseph, 3,793,898.

Sauer, Joseph, to Bosch, Robert, G.m.b.H. Gear shifting assembly for change speed transmissions. 3,808,903, 5-7-74, Cl. 74-335.000.

Sauer, Louis E.; and Miller, Orville C., to Centenary Central, Inc. Die layout apparatus. 3,800,421, 4-2-74, Cl. 33-22.000.

Sauer, Philip H., to Ceneo Medical/Health Supply Corporation. Suction control arrangement for a suction catheter. 3,834,388, 9-10-74, Cl. 128-276.000.

Sauer, Philip H., to Ceneo Medical/Health Supply Corporation. Sterile specimen trap. 3,855,997, 12-24-74, Cl. 128-2.00f.

Sauer, Reinhold: *See—*
Laux, Raymond Wilhelm; and Sauer, Reinhold, 3,790,239.

Sauer, Richard W.: *See—*
Dieter, Jerry A.; Russell, Donald H.; and Sauer, Richard W., 3,856,720.

Sauer, Richard W. Portable golf bag stand. 3,787,017, 1-22-74, Cl. 248-96.000.

Sauer, Richard W.; and Russell, Donald H., to Atlantic Richfield Company. Method of coating fabrics with polyurethane. 3,844,862, 10-29-74, Cl. 156-78.000.

Sauer, Rudolf, to Bosch, Robert, G.m.b.H. Means for indicating the rate of air flow in the intake manifold of an internal combustion engine. 3,837,321, 9-24-74, Cl. 123-32.0ea.

Sauer, Winfriede: *See—*
Berger, Herbert; Gall, Rudi; Thiel, Max; Vomel, Wolfgang; and Sauer, Winfriede, 3,823,137.

Sauerbier, Reiner: *See—*
Eckhardt, Hellmuth; and Sauerbier, Reiner, 3,809,444.

Sauerbrunn, Irmhild; and Bellemann, Rudolf, to Rheinhold & Mahla GmbH. Insulation for liquid gas containers, especially spherical containers. 3,855,811, 12-24-74, Cl. 62-45.000.

Saueressig G.m.b.H.: *See—*
Saueressig, Johann Heinrich; Konen, Josef; and Metges, Paul, 3,851,582.

Saueressig, Johann Heinrich. Intaglio print machine with novel roll mounting mandrel and bushing assembly. 3,783,780, 1-8-74, Cl. 101-153.000.

Saueressig, Johann Heinrich; Konen, Josef; and Metges, Paul, to Saueressig G.m.b.H. Print machine for use with high solvent inks. 3,851,582, 12-3-74, Cl. 101-181.000.

Sauerland, Franz Ludwig. Crystal frequency monitor. 3,840,804, 10-8-74, Cl. 324-56.000.

Sauerman Bros., Inc.: *See—*
Hubbell, Clifton H., 3,816,012.

Sauermann, Heinz: *See—*
Raabe, Gerhard; Eckstein, Dieter; Sauermann, Heinz; and Winkler, Gerhard, 3,840,306.

Sauerwein, Kurt: *See—*
Sauerwein, Kurt; and Goedecke, Hans (said Goedecke assor. to said), 3,843,891.

Sauerwein, Kurt; and Goedecke, Hans, said Goedecke assor. to said Sauerwein, Kurt. Device for examining materials or for surgical treatments by gamma ray irradiation. 3,843,891, 10-22-74, Cl 250-483.000.

Sauey, Lawrence K.; Mason, Leroy W.; and Rau, Gerald A., to Flambeau Products Corporation. Adjustable fishing rod case. 3,811,216, 5-21-74, Cl. 43-26.000.

Saufferer, Helmut, to Daimler-Benz Aktiengesellschaft. Fog light for motor vehicles. 3,840,731, 10-8-74, Cl. 240-9.500.

Saufhaus, Egon, to Schneck, Carl, Maschinenfabrik GmbH. Apparatus for the transport and intermediate storage of panel supports. 3,836,016, 9-17-74, Cl. 214-1.00b.

Sauget, Andre: *See—*
Kiatipoff, Edmond, 3,825,304.

Sauli, Michel, to Rhone-Poulenc S.A. Fungicidal hydantoin derivatives. 3,823,240, 7-9-74, Cl. 424-273.000.

Sauli, Michel, to Rhone-Poulenc S.A. Insecticidal and fungicidal compositions containing 1-0,0-diethylthiophosphonyl-indazoles. 3,845,206, 10-29-74, Cl. 424-200.000.

Saulsman, Jack C. Controlled power source with apparatus and method including indicia of control means actuation at operational locations selectively spaced from source, as for, but not limited to, welding operations. 3,811,085, 5-14-74, Cl. 322-16.000.

Saum, Walter: *See—*
Vollhardt, Frohmut; John, Harald; Rittinger, Wilhelm; Saum, Walter; Aliwka, Artur; and Wodtke, Friedrich, 3,791,441.

Saunal, Robert, to Societe des Mines d'Anderny-Chevillon. Method for enriching ores and the like. 3,796,381, 3-12-74, Cl. 241-30.000.

Saunders, Allan L., to Automatic Radio Mfg. Co., Inc. Fine tuning and reset mechanism for tape players and the like. 3,820,159, 6-25-74, Cl. 360-106.000.

Saunders, Allan L., to Automatic Radio Mfg. Co., Inc. Anti-theft bracket device. 3,822,049, 7-2-74, Cl. 248-203.000.

Saunders Archery Co.: *See—*
Saunders, Charles A.; Saunders, Thomas Allen; and Saunders, Eugene F., 3,800,424.
Saunders, Charles A., 3,812,834.
Saunders, Charles A.; and Saunders, Eugene Francis, 3,837,327.
Saunders, Charles A., 3,846,873.

Saunders, Brian James: *See—*
Dean, Michael Gordon Ellis, and Saunders, Brian James, 3,800,121.

Saunders, Charles A.; Saunders, Thomas Allen; and Saunders, Eugene F., to Saunders Archery Co. Bow sight. 3,800,424, 4-2-74, Cl. 33-265.000.

Saunders, Charles A., to Saunders Archery Co. Slingshot assembly. 3,812,834, 5-28-74, Cl. 124-20.00r.

Saunders, Charles A.; and Saunders, Eugene Francis, to Saunders Archery Co., Bowstring silencer for archery bow. 3,837,327, 9-24-74, Cl. 124-30.00a.

Saunders, Charles A., to Saunders Archery Co. Face pin for archery targets. 3,846,873, 11-12-74, Cl. 24-153.00r.

Saunders, Charles E., to Allen Group, Inc., The. Breakaway overhead car wash apparatus. 3,818,531, 6-25-74, Cl. 15-21.00d.

Saunders, Clare C. Manufacture of water tight protective coverings. 3,793,110, 2-19-74, Cl. 156-247.000.

Saunders, Dennis L.: *See—*
Snyder, Lloyd R.; and Saunders, Dennis L., 3,823,087

Saunders, Eugene F.: *See—*
Saunders, Charles A.; Saunders, Thomas Allen; and Saunders, Eugene F., 3,800,424.

Saunders, Eugene Francis: *See—*
Saunders, Charles A.; and Saunders, Eugene Francis, 3,837,327

Saunders, Frederick Charles: *See—*
Gardiner, William; and Saunders, Frederick Charles, 3,832,228

Saunders, Frederick Charles; and Smith, Charles, to Dow Corning Limited. Water repellent process and composition. 3,832,203, 8-27-74, Cl. 106-287.0sb.

Saunders, Hollis, S., to General Cable Corporation. Method of making insulated magnet wire. 3,856,566, 12-24-74, Cl. 117-218.000

Saunders, James W.; and Stephens, Donald L., to Paccar Inc. Truck cab latch. 3,825,295, 7-23-74, Cl. 296-35.00r.

Saunders, John: *See—*
Brock, Larry D.; Games, John E.; and Saunders, John, 3,789,391.

Saunders, John Christopher: *See—*
Boyle, John Terence Arnoit; and Saunders, John Christopher, 3,813,400.

Saunders, Kenneth W. Combination shoe and shoehorn. 3,798,802, 3-26-74, Cl. 36-2.50y.

Saunders, Lawrence J., to S & S Corrugated Paper Machinery Co., Inc. Mounting of rotary split slitting knives. 3,850,069, 11-26-74, Cl. 83-665.000.

Saunders, Leonard Thomas, to Kidde, Walter, & Company, Inc. Frequency filter circuit apparatus. 3,813,669, 5-28-74, Cl. 343-5.0pd.

Saunders, Martin R. Sportsman's saw. 3,837,024, 9-24-74, Cl. 7-8.10r.

Saunders, Peter Anthony; Fox, Michael Frank; Fagan, Anthony Francis; and Derbyshire, Philip Edward, to Cooper, Edwin, & Company Limited. Preparation of overbased magnesium lubricant additives. 3,857,790, 12-31-74, Cl. 252-33.400.

Saunders, Peter Charles; Revell, Dennis William; and Clarke, Terence James, to National Research Development Corporation. Road-usage meter. 3,818,193, 6-18-74, Cl. 235-92.0fp.

Saunders, Peter Reginald: *See*—
Lofquist, Robert Alden; Saunders, Peter Reginald; and Weedon, Gene Clyde, 3,794,464.
Lofquist, Robert Alden; and Saunders, Peter Reginald, 3,822,996.

Saunders, Peter Reginald; Dementi, Brian Armstead; and Lofquist, Robert Alden, to Allied Chemical Corporation. Alkyl and aryl phosphites to inhibit ozone fading of dyed polyamides. 3,844,713, 10-29-74, Cl. 8-165.000.

Saunders, Philip G., to Container Graphics Corporation. Rotary die and cutting rule. 3,792,637, 2-19-74, Cl. 83-673.000.

Saunders, Philip G.; Simpson, Jack R.; and Peer, Daniel R., to Container Graphics Corporation. Ejection member for cutting dies. 3,827,322, 8-6-74, Cl. 83-128.000.

Saunders, Roger I.; and Cloutier, Edward J., to Sanders Associates, Inc. Release mechanism for a sonobuoy rotochute assembly. 3,825,213, 7-23-74, Cl. 244-138.00a.

Saunders, Thomas Allen: *See*—
Saunders, Charles A.; Saunders, Thomas Allen; and Saunders, Eugene F., 3,800,424.

Saunders, Walter Selden. Drag reducer for land vehicles. 3,854,769, 12-17-74, Cl. 296-1.00s.

Saunders-Singer, Arthur E. Microscope manipulator. 3,813,959, 6-4-74, Cl. 74-491.000.

Saupe, Martin: *See*—
Lingenhohle, Bernard; and Saupe, Martin, 3,815,241.

Saupe, Wolfram, to Kalle Aktiengesellschaft. Electrophotographic copying apparatus. 3,850,521, 11-26-74, Cl. 355-15.000.

Saur, Roland; and Schwarz, Wilhelm, to Behr-Thomson, Dehnstroffregler GmbH, Firma. Thermostatic valve frame structure. 3,792,813, 2-19-74, Cl. 236-100.000.

Saur, Walter: *See*—
Bahr, Siegmund; and Saur, Walter, 3,790,040.

Saur, Walter, to Hesser, Fr., Maschinenfabrik AG. Outlet closure in a packaging machine. 3,820,691, 6-28-74, Cl. 222-560.000.

Saurano, Marina, to Societe Alexandre. Hairdressing composition and process for preparation thereof. 3,828,105, 8-6-74, Cl. 424-70.000.

Saurer, Adolph, Ltd.: *See*—
Macho, Helmut, 3,828,824.

Saurer, Eric, to Ebauches S.A. Electro-optical display device. 3,836,229, 9-17-74, Cl. 350-160.000.

Sauron, Georges: *See*—
Blanchet, Francis; and Sauron, Georges, 3,787,824.

Sausaman, David K.: *See*—
Purcell, Robert F.; and Sausaman, David K., 3,783,002.

Sausaman, David K.; and Purcell, Robert F. Method for coating steel. 3,785,855, 1-15-74, Cl. 117-75.000.

Sausaman, Robert E., to General Tire & Rubber Company, The. Elastomeric heat and pressure annulus. 3,839,123, 10-1-74, Cl. 156-394.000.

Sause, Henry, Jr. Door closure assmebly. 3,816,966, 6-18-74, Cl. 49-317.000.

Sause, Henry, Jr. Extensible stanchion. 3,828,710, 8-13-74, Cl. 114-75.000.

Sause, Henry W., to Searle, G. D., & Co. 2,7-Bis[2-(4-azatricyclo [4.3.1.1 3,8] undec-4-yl) ethoxy]fluoren-9-one and congeners. 3,845,038, 10-29-74, Cl. 260-239.00b.

Sausse, Andre: *See*—
Bizot, Jean; and Sausse, Andre, 3,827,975.
Granger, Alain; and Sausse, Andre, 3,788,474.

Sausse, Andre; and Stern, Andre, to Rhone-Poulenc S.A. Surgically implantable prosthetic duct for the removal of biological liquids. 3,783,454, 1-8-74, Cl. 3-1.000.

Sausse, Andre, to Rhone-Poulenc S.A. Peristaltic pump. 3,784,323, 1-8-74, Cl. 417-53.000.

Sausville, Joseph W.: *See*—
Rokosz, Ferdinand; and Sausville, Joseph W., 3,825,792.

Saut, Roger A.: *See*—
Cutter, Robert K.; and Saut, Roger A., 3,792,794.

Saute, Robert E.; and Siegal, Bernard, to Gillette Company, The. Astrigent compositions. 3,833,721, 9-3-74, Cl. 424-47.000.

Sauter, Frederick J., to Eastman Kodak Company. Photographic elements comprising merocarbocyanine filter dyes. 3,840,375, 10-8-74, Cl. 96-84.00r.

Sauter, Robert: *See*—
Maier, Roland; and Sauter, Robert, 3,794,725.

Sautereau, Claude. Planetary type drawing table. 3,789,777, 2-5-74, Cl. 108-4.000.

Sauthier, Pierre, to Societe Suisse pour l'Industrie Horlogere Management Services S.A. Arrangement for correcting of seconds indication of a timepiece. 3,786,625, 1-22-74, Cl. 58-23.00r.

Sauthier, Pierre, to Omega Louis Brandt & Frere S.A. Adjustable frequency pulse generator. 3,800,233, 3-26-74, Cl. 328-49.000.

Sauthier, Pierre, to Societe Suisse pour l'Industrie Horlogere Management. Electronic correction. 3,852,951, 12-10-74, Cl. 58-23.00r.

Sautier, Philip M.: *See*—
Pedersen, Dennis C.; and Sautier, Philip M., 3,833,739.

Sautter, Helmuth Otto: *See*—
Browne, Paul Nolan; Burns, Harry Shaner; Kelly, Thomas Joseph; and Sautter, Helmuth Otto, 3,806,644.

Sauvage, Michel: *See*—
Culambourg, Jacques; Marmonier, Pierre; Naudet, Robert; and Sauvage, Michel, 3,802,962.
Delisle, Jean-Paul; and Sauvage, Michel, 3,807,772.

Sauvage, Michel, to Commissariat a l'Energie Atomique. Nuclear reactor. 3,830,695, 8-20-74, Cl. 176-38.000.

Sauveur, Omer G.; and Adams, Rudolph J., to Peterson, Carl G., Co. Coil stock cradle. 3,834,643, 9-10-74, Cl. 242-78.700.

Sauveur, Xavier de Saint, to Control Data Corporation. Impact transducer apparatus. 3,792,467, 2-12-74, Cl. 340-365.00a.

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Savage, Basil W. Tree shaker with tree embracing clamp. 3,812,662, 5-28-74, Cl. 56-328.0ts.

Savage, Carl M., Jr.: *See*—
Knight, John W., IV; and Savage, Carl M., Jr., 3,801,126.
Knight, John W., IV; Libkie, Herbert A.; Parr, Ben C.; and Savage, Carl M., Jr., 3,817,552.

Savage, Conwell, to Westinghouse Electric Corporation. Elevator system. 3,856,116, 12-24-74, Cl. 187-28.000.

Savage, David W.: *See*—
Leder, Frederic; Savage, David W.; and Shrier, Adam L., 3,848,057.

Savage, Donald: *See*—
Grobman, Leon; Polin, Benson; and Savage, Donald, 3,833,797.

Savage, Donald D.; and Mills, Maurice T. Tree harvesting system. 3,856,060, 12-24-74, Cl. 144-34.00b.

Savage, Donald V.: *See*—
Gale, Lee G.; and Savage, Donald V., 3,800,895.

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Savage Laboratories, Inc.: *See*—
Boros, Leslie; and Loftin, Diana, 3,852,459.

Savage, Michael Gary: *See*—
Horovitz, Beatrice; and Savage, Michael Gary, 3,846,835.

Savage, Sidney Clifford: *See*—
Findlay, Peter Michael; Savage, Sidney Clifford; Klee, John Michael; and Gamble, Joseph Eric, 3,835,669.
Wade, Thomas Cyril James; Matthewson, Ian; and Savage, Sidney Clifford, 3,810,368.

Savage, W. J., Co., Inc.: *See*—
Damewood, Marvin L., 3,851,869.

Savage, William E., to Shell Oil Company. Waste water treatment. 3,788,478, 1-29-74, Cl. 210-197.000.

Savala, Donna L. Device and method for treating hair. 3,805,810, 4-23-74, Cl. 132-9.000.

Savall, Vincent: *See*—
Lefur, Jean; Louboutin, Robert; and Savall, Vincent, 3,831,767.

Savall, Vincent; and Treille, Pierre, to Degremont Societe Generale d'Epuration et d'Assainissement. Flotation apparatus. 3,799,350, 3-26-74, Cl. 210-221.000.

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Savel, John J.: *See*—
Etchelecou, Robert J. L.; and Savel, John J., 3,841,256.

Saveliev, Vyacheslav Ivanevich: *See*—
Bogdanov, Evdokim Stepanovich; Alexandrov, Alexandr Sergeevich; Schegolevatykh, Vadim Dmitrievich; Saveliev, Vyacheslav Ivanevich; Zakharov, Mikhail Fedorovich; Alexandrov, Jury Nikolaevich; Korsetsky, Gennady Mikhailovich; and Kucher, Arnold Arkadievich, 3,831,418.

Savelieva, Maria Pavolovna: *See*—
Nessler, Andrei Maximilianovich; Raag, Frants Ivanovich; Savelieva, Maria Pavolovna; Vikhrova, Agrippina Gavrilovna; and Dmitriev, Leonid Sergeevich, 3,834,146.

Savia, Risto Martti, to Oy Tampella AB. Pulp sifter with cleaning means. 3,845,863, 11-5-74, Cl. 209-303.000.

Savich, Peter P., to Scott Paper Company. Method of forming fibrous pads. 3,851,356, 12-3-74, Cl. 19-144.500.

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Savin Business Machines Corporation: *See*—
Hastwell, Peter J.; and Gliddon, E. Barton, 3,819,942.
Hastwell, Peter J.; Smith, Ian E.; and Scroggs, Dennis L., 3,836,245.
Smith, Ian E., 3,782,818.
Smith, Ian E.; and Scroggs, Dennis L., 3,825,191.
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,789,794.
Smith, Ian Edward; Hastwell, Peter John; and Grove, Elizabeth, 3,839,032.
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,850,829.
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,851,964.
Vermeulen, Marinus Cornelus; Smith, Ian Edward; and Hastwell, Peter John, 3,843,538.

Savin Business Machines Corporation, mesne: *See*—
Van Vloten, Curtis P., 3,851,962.

Savino, Italo. Automatic locking device for roller blinds. 3,819,217, 6-25-74, Cl. 292-345.000.

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Savitsky, Evgeny Mikhailovich: *See*—
Gryaznov, Vladimir Mikhailovich; Smirnov, Viktor Sergeevich; Mischenko, Alexandr Petrovich; Drekhova, Natalia Vsevolodovna; Krivdin, Boris Petrovich; Polyakova, Viktoria Petrovna; and Savitsky, Evgeny Mikhailovich, 3,799,889.

Savitsky, Vladilen Nikolaevich: *See*—
Smirnov, Mikhail Dmitrievich; Ershov, Boris Alexandrovich; Savitsky, Vladilen Nikolaevich; Breev, Boris DmitrievICH; Atkarsky, Anatoly Alexandrovich; Shardakov, Svyatoslav Viktorovich; Sinajuk, David Aronovich; Stukalov, Vladimir Nikolaevich; and Puzynya, Leonid Vasilievich, 3,824,642.

Savitz, Rubin Seymour; and Komroff, Paul, to National Union Electric Corporation. Air conditioning system with temperature responsive controls. 3,791,160, 2-12-74, Cl. 62-196.000.

Savoca, Joseph Peter, to American Cyanamid Company. Process for manufacturing dibenzo(A,H) pyrene-7,14-dione. 3,796,733, 3-12-74, Cl. 260-362.000.

Savolainen, Jouko E.: *See*—
Gresky, Alan T.; Savolainen, Jouko E.; McDuffee, William T., Jr.; and Wischow, Russell P., 3,825,649.

Savolainen, Unto U.; and Overton, Larry D., to Texas Instruments, Incorporated. Method of making a brazed composite metal tape. 3,805,373, 4-23-74, Cl. 29-482.000.

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Savory Equipment, Inc.: *See*—
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Savoy, Donald Edward, to AMF Incorporated. End area inspection tool for automated nondestructive inspection. 3,844,165, 10-29-74, Cl. 73-67.80s.

Savu, Constantin L.: *See*—
Nastasi, Adrian Vasile; Zirna, Ion; Grigoriu, Ion Doru; Savu, Constantin L.; Stefanescu, Corneliu Nicolae; Iorga, Dumitru C.; Ghejan, Ion V.; Platon, Alexandru C.; Constantin, Flavia T.; Vilcu, Petru T.; Dumitrescu, Stelian GH.; and Bohiltea, Ion T., 3,793190.

Savushkin, Anatoly Alexandrovich: *See*—
Birger, Abram Isaakovich; Fiskin, Alexandr Mikhailovich; Samsonov, Ivan Sergeevich; Savushkin, Anatoly Alexandrovich; Zemtsov, Nikolai Nikolaevich; and Borisevich, Vitaly Arkadievich, 3,811,812.

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Sawa, Yuji: *See*—
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Sawabe, Eiichi: *See*—
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Sawada, Hiraki: *See*—
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Sawada, Hiroshi: *See*—
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Sawada, Katsumi: *See*—
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Sawada, Katsuo; Yoneda, Eisaku; Kajikawa, Saburo; and Yasunaga, Ryuichi, to Matsushita Electric Industrial Co., Ltd. Electric vacuum cleaner. 3,816,983, 6-18-74, Cl. 55-357.000.

Sawada, Kingo; Mizuno, Masaaki; and Ogihara, Masayoshi, to Toyoda Koki Kabushiki Kaisha. Grooving machine tool. 3,851,992, 12-3-74, Cl. 408-54.000.

Sawada, Koshichi; Moritaka, Shintaro; Nakao, Yukihiro; and Yasumatsu, Katsuharu, to Takeda Chemical Industries, Ltd. Edible protein fibers. 3,806,611, 4-23-74, Cl. 426-276.000.

Sawada, Masakata: *See*—
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Sawada, Morihiko: *See*—
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Sawada, Naonobu: *See*—
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Sawada, Seiji: *See*—
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Sawada, Takamasa: *See*—
Sone, Yoshiaki; and Sawada, Takamasa, 3,820,884.

Sawada, Tetsuya, to Rengo Kabushiki Kaisha (Rengo Co., Ltd.). Device for delivering sheets. 3,791,269, 2-12-74, Cl. 93-93.0dp.

Sawada, Tetsuya. Automatic carton box fabricating apparatus. 3,797,370, 3-19-74, Cl. 93-51.0hw.

Sawada, Tsutomu; and Oguma, Masaaki, to Nissan Motor Company, Limited. Bumper spring support assembly. 3,804,444, 4-16-74, Cl. 293-87.000.

Sawada, Yasuhiro: *See*—
Tsujihata, Keiji; Sawada, Yasuhiro; Ishikawa, Yasushi; Matsubara, Mitsuteru; and Iwata, Minoru, 3,816,096.

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Sawada, Yuji; Takemoto, Katsumi; Marouka, Yasuro; and Kuroiwa, Masayuki, to Mitsubishi Jukogyo Kabushiki Kaisha. Automatic storage system with stacker cranes and load handling dollies. 3,817,406, 6-18-74, Cl. 214-16.40c.

Sawagata, Shinichi: *See*—
Tsuneta, Asahide; and Sawagata, Shinichi, 3,806,750.

Sawagata, Shinichi; Tanaka, Tokushirou, and Sato, Humiyuki, to Tokyo Shibaura Electric Co., Ltd. In-line type triple electron gun assembly. 3,816,789, 6-11-74, Cl. 313-243.000.

Sawahara, Masao; and Sano, Kazuya, to Fuji Photo Film Co., Ltd. 1-Mesityl-3-substituted pyrazolones as magenta color couplers. 3,824,250, 7-16-74, Cl. 260-310.00a.

Sawai, Sadamu: *See*—
Yasukawa, Shigeru; Shinoda, Wataru, Shindo, Ryuichi, Tadokoro, Yoshihiro; Seya, Toko; Mitake, Susumu; Arai, Taketoshi; Hirano, Mitsumasa; Sato, Sadao, and Sawai, Sadamu, 3,801,443.

Sawaki, Tsukasa: *See*—
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Sawano, Takahiro: *See*—
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Sawano, Takahiro; Kubota, Katuhiko; Ando, Masaru, Wada, Moriyasu; Murayama, Tohru; and Ozawa, Tadayuki, to Tokyo Shibaura Electric Co., Ltd. Alternator rectifier assemblies with resinous molded member containing circuit pattern molded therein. 3,789,275, 129-74, Cl. 317-234.00r.

Sawano, Yukio: *See*—
Ueda, Hiroyuki; and Sawano, Yukio, 3,790,266.
Ueda, Hiroyuki; Ohue, Shingo, and Sawano, Yukio, 3,799,662.

Sawant, Ulhas S.: *See*—
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Sawatzky, Erich: *See*—
Lee, Kenneth; Sawatzky, Erich; and Suits, James C., 3,795,541.

Sawatzky, Gerhard. Pin type cleaning device. 3,803,659, 4-16-74, Cl. 15-3.000.

Sawazaki, Hajime; Sakai, Kiyohide; Tsutsumi, Hiroshi; Sumitomo, Yasusuke; Niwa, Kazuo; and Inaba, Eisaku, to Tokyo Shibaura Electric Co., Ltd. Method for manufacturing a semiconductor integrated circuit isolated through dielectric material. 3,826,699, 7-3074, Cl. 148-175.000.

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Sawazaki, Masatoshi, to Precision Fukuhara Works, Ltd. Electromechanical needle selecting means for circular knitting machines. 3,855,819, 12-24-74, Cl. 66-50.00r.
Sawazi, Masao: *See—*
Yamada, Keisho; Umemura, Sumio; Ohdan, Kyoji; Hidaka, Mikio; Bando, Yasuo; Fukuda, Kazuo; and Sawazi, Masao, 3,787,334.
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Sawdo, Richard M.; and Simon, Ivan, to Little, Arthur D., Inc. Apparatus with adjustable period for measuring small deviations from a true horizontal plane. 3,831,287, 8-27-74, Cl. 33-344.000.
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Sawhill, Duane L.: *See—*
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Sawhill, Duane L., to Olin Corporation. Chlorocyanuric acid manufacture. 3,806,507, 4-23-74, Cl. 260-248.00c.
Sawhill, Duane L., to Olin Corporation. Polychloroisocyanuric acids prepared from a monoalkali metal cyanurate. 3,835,135, 9-10-74, Cl. 260-248.00c.
Sawick, Walter J.: *See—*
Mauch, John W.; and Sawick, Walter J., 3,803,498.
Sawicki, Joseph J., to Bendix Corporation, The. VOR receiver with adaptive filters and phase shifter for improved accuracy. 3,792,473, 2-12-74, Cl. 343-106.00r.
Sawicki, Joseph J.; and Talbert, Charles D., to Bendix Corporation, The. Signal generator for testing VOR navigation receivers. 3,845,484, 10-29-74, Cl. 343-106.00r.
Sawicki, Raymond P.: *See—*
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Sawson, Thomas J., to United States of America, Navy. Metal, matrix-fiber composite armor. 3,826,172, 7-30-74, Cl. 89-36.00a.
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Sawyer, Bobby Gene; and Fickle, J. Clark, to Deere & Company. Crop harvesting machine. 3,797,207, 3-19-74, Cl. 56-1.000.
Sawyer, Bobby Gene; and Francis, Robert Charles, to Deere & Company. Harvesting machine drive means. 3,820,311, 6-28-74, Cl. 56-14.400.
Sawyer, Bruce A. Multi axes linear movement positioning system. 3,836,835, 9-17-74, Cl. 318-685.000.
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Sawyer, Bruce A. Actuating system. 3,857,078, 12-24-74, Cl. 318-608.000.
Sawyer, Carleton E., to Display Components, Inc. Stator yoke. 3,808,568, 4-30-74, Cl. 335-210.000.
Sawyer, Edgar W., Jr.: *See—*
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Sawyer, Harold T., 20% interest to Beehler, Vernon D. Industrial carpet and floor conditioner. 3,803,666, 4-16-74, Cl. 15-320.000.
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Sawyer, John M.: *See—*
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Sawyer, Kenneth W., to Garrett Corporation, The. Dynamic regenerative heat exchanger. 3,823,766, 7-16-74, Cl. 165-1.000.
Sawyer, Philip N.: *See—*
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Sawyer, Rene C., Jr.: *See—*
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Sawyer, Thomas F.: *See—*
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Sawyer, Willard H., to Esso Research and Engineering Company. Platinum indium molybdenum reforming catalysts. 3,833,516, 9-3-74, Cl. 252-441.000.
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Sawyer, Winslow A.: *See—*
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Sax, Alan M., to Redi Container Corporation. Corner protector construction. 3,843,038, 10-22-74, Cl. 229-14.00c.
Sax, Robert E.: *See—*
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Saxe, Herbert K. Infants crib and dressing table combination. 3,795,017, 3-5-74, Cl. 5-2.000.
Saxe, Leo C. Cooled counter display case for packaged edible products. 3,850,486, 11-26-74, Cl. 312-116.000.
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Saxen, Arnold: *See—*
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Strongin, Myron; Saxena, Anand M.; and Crow, Jack E., 3,824,457.
Saxena, Usha. Ready to wear sari. 3,840,899, 10-15-74, Cl. 2-74.000.
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Saxholm, Rolf. Magnetically responsive, biologically active substance and associated methods. 3,843,450, 10-22-74, Cl. 195-99.000.
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Say, Donald L., to GTE Sylvania Incorporated. Multibeam cathode ray tube having a common beam limiting aperture therein. 3,798,478, 3-19-74, Cl. 313-70.00r.
Say, Donald L., to GTE Sylvania Incorporated. Shadow mask aperture and phosphor dot arrangement in two color cathode ray tube. 3,843,900, 10-22-74, Cl. 313-408.000.
Sayano, Kanji Frank: *See—*
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Sayavedra, Modesto Albino: *See—*
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Sayce, Robert A.: *See—*
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Sayer, Raymond Oliver, to Copper Refineries Pty. Limited. Method of, and entry-guide for, feeding stock to a rod-rolling reduction mill. 3,818,744, 6-25-74, Cl. 72-250.000.
Sayer, Wayne L. Method and apparatus for locating geothermal sources of energy. 3,805,587, 4-23-74, Cl. 73-15.00r.
Sayers, Eugene H.: *See—*
Meyer, Carl L.; and Sayers, Eugene H., 3,790,866.
Sayigh, Adnan A. R.: *See—*
Rao, Durvasula V.; Ulrich, Henri; Stuber, Fred A.; and Sayigh, Adnan A. R., 3,796,744.
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Sayler, Ralph A.: *See—*
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Sayler, Robert N. Plural cycle display device. 3,852,949, 12-10-74, Cl. 58-2.000.
Sayles, Chester M. Cover for a hunter's blind. 3,848,352, 11-19-74, Cl. 43-1.000.
Sayles, David C., to United States of America, Army. Propellant containing combination binder and burning rate accelerator formed by the reaction of dialkalicarborane with a prepolymer. 3,806,383, 4-23-74, Cl. 149-19.000.
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Sayles, David C., to United States of America, Army. Propellants containing combination burning rate synergist and curing agent of epoxyaliphatic carborane. 3,811,965, 5-21-74, Cl. 149-19.200.
Sayles, David C., to United States of America, Army. Polymerization crosslinking agent for polybutadiene propellant prepolymers. 3,811,968, 5-21-74, Cl. 149-19.900.
Sayles, Francis S., to Mobil Oil Corporation. High dropping point complex grease. 3,809,650, 5-7-74, Cl. 252-42.000.

Sayles, James A., to Chevron Research Company. Floating barrier. 3,792,589, 2-19-74, Cl. 61-1.00f.
Sayles, William F. Ice cube making machine. 3,850,005, 11-26-74, Cl. 62-135.000.
Saylor, Clarence E. Rope climbing machine. 3,782,718, 1-1-74, Cl. 272-60.000.
Saylor, Randall K.; and Knab, Thomas J., to General Motors Corporation. Viscous fluid clutch. 3,841,451, 10-15-74, Cl. 192-58.00b.
Saylor, William H., Jr., to Bethlehem Steel Corporation. Movable descaler spray header. 3,811,305, 5-21-74, Cl. 72-39.000.
Sayno Machine Works Ltd.: *See—*
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Schael, George W., Jr. Match-book display plaque. 3,782,558, 1-1-74, Cl. 211-13.000.
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Bazhulin, Alexei Pavlovich; Vinogradov, Evgeny Alexandrovich; Irisova, Natalia Alexandrovna; Mitrofanova, Nina Vasilievna; Timofeev, Jury Petrovich; Fridman, Samuil Aronovich; and Schaenko, Valentina Vasilievna, 3,832,557.
Schaepman, Ellert A. F. M., to Hasler AG. Method and apparatus for the digital detection of predetermined frequencies. 3,803,390, 4-9-74, Cl. 235-152.000.
Schaepp, Friedrich. Spring suspension for motor vehicle axles. 3,802,718, 4-9-74, Cl. 280-124.00f.
Schaer, Glenn R.: *See*—
Crites, Nelson A.; and Schaer, Glenn R., 3,788,955.
Schaer, Glenn R.; and Stephan, Elmer F., to Gates Rubber Company, The. Process for making electrode having an internal electrodeposited metal matrix. 3,796,607, 3-12-74, Cl. 136-19.000.
Schaerer, Andre. Method for the fabrication of insulated profile members. 3,786,121, 1-15-74, Cl. 264-47.000.
Schaerli, Otto: *See*—
Eisele, Dieter; Weimann, Klaus; and Schaerli, Otto, 3,800,192.
Schafbuch, Larry N. Cleaning attachment for rotary tiller. 3,800,880, 4-2-74, Cl. 172-39.000.
Schafenacker, Ralph, Jr., to Keller Glove Mfg. Company. Flame-resistant conduit covering. 3,823,745, 7-16-74, Cl. 138-103.000.
Schafer, Anton; and Probst, Karl, to Lindemann Maschinenfabrik GmbH. Hammer breaker for breaking-up bulky refuse material. 3,857,519, 12-31-74, Cl. 241-186.00r.
Schafer, Augustin, to Zinser-Textilmaschinen GmbH. Method of and apparatus for regulating the speed of ring or spindle rails associated with textile machines. 3,793,821, 2-26-74, Cl. 57-9.500.
Schafer, Derek John, to Reckitt & Colman Products Limited. Histidine derivatives. 3,833,604, 9-3-74, Cl. 260-309.000.
Schafer, Eugen: *See*—
French, Heinz; Albrecht, Konrad; and Schafer, Eugen, 3,791,811.
Schafer, Fritz Peter, to Zeiss-Stiftung, Carl. Method and means for exciting liquid lasers. 3,835,417, 9-10-74, Cl. 331-94.501.
Schafer, Heinrich, to Rheinstahl AG. Worm extruder with built-on transmission. 3,795,456, 3-5-74, Cl. 415-72.000.
Schafer, Heinrich; and Nieder-Vahrenholz, Hans Georg, to Bayer Aktiengesellschaft. Process for the production of alkali-chromate. 3,812,234, 5-21-74, Cl. 423-61.000.
Schafer, Horst; and Herbing, Lothar, to Semikron Gesellschaft fur Gleichrichterbau und Elektronik mbH. Four layer controllable semiconductor rectifier with improved firing propagation speed. 3,858,236, 12-31-74, Cl. 357-38.000.
Schafer, Josef, to Telesco Brophey, Limited. Telescopic umbrella. 3,785,388, 1-15-74, Cl. 135-20.00r.
Schafer, Josef, to Telesco Brophey Limited. Umbrella frame. 3,853,135, 12-10-74, Cl. 135-25.00r.
Schafer, Josef, to Telesco Brophey Limited. Umbrella runner. 3,856,032, 12-24-74, Cl. 135-28.000.
Schafer, Kugelfischer Georg, & Co.: *See*—
Kunert, Karlheinz; and Kozalla, Herbert, 3,783,482.
Schafer, Kurt: *See*—
Hahnkamm, Volker; Rademachers, Jakob; Henkel, Hanno; Brandle, Karl; and Schafer, Kurt, 3,836,378.
Schafer, Lothar; and Wojtech, Bernhard, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Reprocessing of spent nuclear fuel. 3,836,625, 9-17-74, Cl. 423-10.000.
Schafer, Manfred. Injection valve for an internal combustion engine. 3,841,277, 10-15-74, Cl. 123-32.00r.
Schafer, Max: *See*—
Rolauffs, Hans; Hovens, Hubert; and Schafer, Max, 3,802,360.
Schafer, Paul: *See*—
Huber-Emden, Helmut; and Schafer, Paul, 3,856,849.
Schafer, Richard A. Golf swing training device. 3,827,696, 8-6-74, Cl. 273-183.00e.
Schafer, Robert P.; Braun, Leonard A.; and Maki, Terrence C., to Longyear Company. Soil sampler apparatus. 3,786,877, 1-22-74, Cl. 175-249.000.
Schafer, Ronald William: *See*—
Flanagan, James Loton; Rabiner, Lawrence Richard; and Schafer, Ronald William, 3,828,132.
Schafer, Thomas C.: *See*—

Slavin, Michael; Carp, Ralph W.; and Schafer, Thomas C., 3,804,470.

Schafer, Thomas C.; and Shields, Martin A., to Bendix Corporation, The. Hydraulic pressure modulator. 3,801,160, 4-2-74, Cl. 303-21.00f.

Schafer, Werner; Sasse, Klaus; Eue, Ludwig; and Schmidt, Robert R., to Bayer Aktiengesellschaft. 1-(2-Benzothiazolyl)-1-ethyl-3-methyl-urea. 3,845,069, 10-29-74, Cl. 260-305.000.

Schafer, Wolfgang: *See—*
Lanfranconi, Antonio; Schafer, Wolfgang; Testaguzza, Franco; and Zanibelli, Franco, 3,840,136.

Schafet, Hugo W., to Motorola, Inc. Acoustic transducer including piezoelectric driving element. 3,786,202, 1-15-74, Cl. 179-110.00a.

Schaff, James C.: *See—*
Lebovits, Morris; and Schaff, James C., 3,828,380.

Schaff, Ulrich: *See—*
Engelhard, Dieter; Hofmann, Hermann; Schaff, Ulrich; and Kaiser, Walter, 3,832,602.

Schaffel, Walter. Clamping stand. 3,830,340, 8-20-74, Cl. 182-226.000.

Schaffer, Bernhard: *See—*
Giebler, Fritz; Moder, Hans-Ulrich; Rabold, Jurgen; and Schaffer, Bernhard, 3,820,077.
Grossmann, Gunter; Huber, Josef; Moder, Hans-Ulrich; Schaffer, Bernhard; Lenz, Ulrich; Petersen, Joachim; and Rabold, Jurgen, 3,818,199.
Huber, Josef; and Schaffer, Bernhard, 3,833,798.

Schaffer, Detlee: *See—*
Knechtel, Wilhelm Josef; and Schaffer, Detlee, 3,792,926.

Schaffer, Donald W., to International Business Machines Corporation. Article handling apparatus. 3,834,559, 9-10-74, Cl. 214-1.0bt.

Schaffer, Frederick L.; Soergel, Marjorie E.; and Straube, David C., to United States of America, Navy. Frozen gel slicing method and apparatus. 3,807,604, 4-30-74, Cl. 222-146.00c.

Schaffer, Fritz, G.m.b.H.: *See—*
Weidt, Karl-Adolf, 3,847,460.

Schaffer, Howard E.; and Bomboy, Craig L., to Bethlehem Steel Corporation. Method of making plastic composite with wire reinforcements. 3,832,433, 8-27-74, Cl. 264-143.000.

Schaffer, James L., 1/2 to Marlo, John A. Collapsible grill. 3,837,328, 9-24-74, Cl. 126-29.000.

Schaffer, Robert H., to Harris-Intertype Corporation. Multi-page signatures and apparatus and method for producing same. 3,843,113, 10-22-74, Cl. 270-61.000.

Schaffer, Robert R.: *See—*
Jensen, Donald F.; Lagergren, Richard E.; Lentz, Robert C.; Schaffer, Robert R.; and Reidenbach, John R., 3,783,243.

Schaffer, William G.: *See—*
Steckel, Elmer A.; Schaffer, William G.; and Payne, Roger A., 3,813,314.

Schaffner, Carl P.: *See—*
Gordon, Harry W.; and Schaffner, Carl P., 3,855,409.

Schaffner, Carl P.; and Gordon, Harry W., to Schmid, Julius, Inc. Method for reducing triglycerides. 3,791,448, 2-19-74, Cl. 424-117.000.

Schaffner, Heinz: *See—*
Bodesheim, Ferdinand; Radlmann, Eduard; Schaffner, Heinz; and Nischk, Gunther, 3,856,738.

Schaffstall, Eugene; and Duncan, Ira J., to Consolidated Foods Corporation. Aluminum etch bath additive. 3,810,797, 5-14-74, Cl. 156-22.000.

Schafft, Hugo Willy, to Motorola, Inc. Piezoelectrically driven telephone type-ringer. 3,839,652, 10-1-74, Cl. 310-8.200.

Schafft, Hugo Willy, to Motorola, Inc. Acoustic horn. 3,852,529, 12-3-74, Cl. 179-1.0mg.

Schaible, Robert M.: *See—*
Tucker, Carl L.; Schaible, Robert M.; and Cooper, Frank B., 3,853,262.

Schaidl, Hubert: *See—*
Goiffon, Thierry; Lehmann, Hans Rudolf; and Schaidl, Hubert, 3,815,470.

Schaitberger, Daniel A., to Quanta Welding Company. Article including a weld joint in close proximity to a fragile or thermally sensitive element and method of making the same. 3,784,779, 1-8-74, Cl. 219-117.000.

Schalin, V. Monica: *See—*
Swanbeck, Gunnar P. E.; and Schalin, V. Monica, 3,806,593.

Schalit, Samuel: *See—*
Cutler, Royal A.; and Schalit, Samuel, 3,798,269.

Schalk, Frank J.: *See—*
Meyer, Ronald E.; Schalk, Frank J.; Sedgwick, Robert K.; and Schluge, John E., 3,796,163.
Meyer, Ronald F.; Schalk, Frank J.; Sedgwick, Robert K.; and Schluge, John E., 3,796,327.

Schalk, Heinz: *See—*
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Groppenbacher, Gregor; Rieckmann, Peter; Rothe, Werner; Schalk, Heinz; and Schellhorn, Jurgen, 3,843,393.

Schall, Herman H.: *See—*
Mees, Robert D.; Wilcox, Albert F.; and Schall, Herman H., 3,844,150.

Schall, Robert A., to Dorr-Oliver Incorporated. Air pressure-actuated double-acting diaphragm pump. 3,838,946, 10-1-74, Cl. 417-395.000.

Schall, Robert A., to Dorr-Oliver Incorporated. Air pressure-actuated double-acting diaphragm pump. 3,849,033, 11-19-74, Cl. 417-454.000.

Schall, Wallace J.; and Van Horn, Richard F. High pressure portable tube bender. 3,785,190, 1-15-74, Cl. 72-149.000.

Schalla, Charles E.: *See—*
Brede, Alexander, III; Schalla, Charles E.; and Tully, Frank R., 3,807,913.

Schaller, Heinrich: *See—*
Froehlich, Alfred; Oetiker, Alfred; and Schaller, Heinrich, 3,782,948.

Schaller, Johann, to Machinenfabrik Reinhausen Gebruder. Transfer switch operating mechanism for effecting tap changes. 3,806,674, 4-23-74, Cl. 200-18.000.

Schaller, Karl: *See—*
Cayol, Andre; Chenal, Jean-Claude; Clottes, Georges; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,816,247.
Chenai, Jean-Claude; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,795,579.

Schaller, Kurt: *See—*
Fluck, Josef; Schaller, Kurt; and Zaugg, Roland, 3,848,400.
Zaugg, Roland; Schaller, Kurt; and Bron, Alphonse, 3,818,692.

Schaller, Richard J.; and Leshnoff, Stephen D., to Westinghouse Electric Corporation. Inlet vane structure for turbines. 3,857,649, 12-31-74, Cl. 415-200.000.

Schaller, Robert L., to Sundstrand Syracuse, Inc. Contour grinder. 3,800,609, 4-2-74, Cl. 74-230.210.

Schaller, Robert L.; and Malton, Robert E., to Sundstrand Syracuse Inc. Plural grinding stations with master controller. 3,807,098, 4-30-74, Cl. 51-165.710.

Schaller, Rudolf: *See—*
Kaiserswerth, Hans-Peter; Wimmer, Josef; and Schaller, Rudolf, 3,835,370.

Schaller, Willard W.; Martin, Ronald C.; and Sixt, Marty E., to Advanced Drainage Systems, Inc. Flexible fittings for corrugated tubing. 3,785,682, 1-15-74, Cl. 285-24.000.

Schallert, Heino: *See—*
Friese, Karl-Hermann; Geier, Heinz; Pollner, Rudolf; and Schallert, Heino, 3,841,987.

Schalles, Erhard, to Werkzeugmaschinenfabrik Gildemeister & Comp. Aktiengesellschaft. Indexible tool turret assembly. 3,798,721, 3-26-74, Cl. 29-42.000.

Schalles, Erhard, to Werkzeugmaschinenfabrik Gildemeister & Comp. Aktiengesellschaft. Adaptive control system for program-operated machine tools. 3,851,550, 12-3-74, Cl. 82-2.00b.

Schaloske, Peter; and Maurer, Erich, to Deutsche Babcock & Wilcox Aktiengesellschaft. Actuating device for submarine vehicles. 3,782,316, 1-1-74, Cl. 114-16.00r.

Schambacher, Eugene E. Baton. 3,810,411, 5-14-74, Cl. 84-477.00b.

Schamber, James N., 10% to Lee, Raymond, Organization, Inc., The. Scuba suit hanger. 3,815,797, 6-11-74, Cl. 223-88.000.

Schamblin, Charles H. M. Signaling device. 3,791,337, 2-12-74, Cl. 116-28.00r.

Schampers, Paulus Phillippus Maria: *See—*
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Schanen, Robert R.: *See—*
Kaiser, Francis T.; and Schanen, Robert R., 3,784,033.

Schank, Richard L.: *See—*
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Schankler, Martin M. Prefabricated swimming pool construction. 3,811,137, 5-21-74, Cl. 4-172.190.

Schanne, Joseph Francis: *See—*
Nickl, Franklyn George; and Schanne, Joseph Francis, 3,796,863.

Schantz, John S., 1/3 to Schantz, Raymond G. and 1/3 to Schantz, Socrates J. Hinged cover deep fat fryer, griddle and barbeque. 3,789,822, 2-5-74, Cl. 126-41.00r.

Schantz, Raymond G.: *See—*
Schantz, John S., 3,789,822.

Schantz, Robert I.: *See—*
Smith, Jay N.; and Schantz, Robert I., 3,857,669.

Schantz, Ronald K., to Westinghouse Air Brake Company. Fluid control system for floor and ejector gates of earth bowel scrapers. 3,808,717, 5-7-74, Cl. 37-124.000.

Schantz, Ronald K., to Westinghouse Air Brake Company. Fluid control system. 3,815,472, 6-11-74, Cl. 91-189.000.

Schantz, Socrates J.: *See—*
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Schantz, Spencer C.: *See—*
Schantz, Spencer C.; and Berry, William R. (said Berry assor. to said), 3,784,944.
Schantz, Spencer C.; and Berry, William R. (said Berry, William R., assor. to said), 3,815,082.

Schantz, Spencer C.; and Berry, William R. (said Berry assor to said), 3,848,205.

Schantz, Spencer C.; and Berry, William R., said Berry assor. to said Schantz, Spencer C. Adjustable electric buzzer. 3,784,944, 1-8-74, Cl. 335-276.000.

Schantz, Spencer C.; and Berry, William R., said Berry, William R., assor. to said Schantz, Spencer C. Kick-out switch and buzzer. 3,815,082, 6-4-74, Cl. 339-221.00r.

Schantz, Spencer C. Housing for electrical device having conductor openings with strain relief. 3,824,329, 7-16-74, Cl. 174-65.00a.

Schantz, Spencer C.; and Berry, William R., said Berry assor to said Schantz, Spencer C. Kick-out switch and buzzer. 3,848,205, 11-12-74, Cl. 335-128.000.

Schanze, Klaus: *See—*
Forster, Karl-Heinz; Vetter, Lothar; Johne, Hans; and Schanze, Klaus, 3,831,100.
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Schanzer, Gunther: *See—*
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Schanzer, Oswald: *See—*
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Schaper, Helmut: *See—*
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Schaper, Raymond Joseph: *See—*
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Schaper, Willi: *See—*
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Ursel, Eckhard; Seibicke, Horst; and Schaper, Willi, 3,832,751.

Schapitz, Heinz Paul: *See—*
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Schapker, Richard L. Clinical probe and disposable sheath. 3,833,115, 9-3-74, Cl. 206-306.000.

Schapp, David I.: *See—*
Sommeria, Marcel R.; and Schapp, David I., 3,786,331.

Schappel, Joseph W.: *See—*
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Schara, Robert E.; Shoaf, Myron D.; and Berry, Charles P., to General Foods Corporation. Process for inhibiting fat-caps in meat-in-gravy products. 3,836,685, 9-17-74, Cl. 426-371.000.

Schard, Malcolm P.: *See—*
Bullard, Edward M.; and Schard, Malcolm P., 3,849,520.

Schardein, Daniel J., Jr.: *See—*
Rogers, Charles M.; and Schardein, Daniel J., Jr., 3,812,022.

Schardein, Daniel J., Jr.; Rogers, Charles M.; and Craig, H. Lee, Jr., to Reynolds Metals Company. Anodic production of pigmented siliceous coatings for aluminous metals. 3,812,023, 5-21-74, Cl. 204-58.000.

Scharenberg, Robert T.: *See—*
Avery, R. Stanton; Scharenberg, Robert T.; and Ziedman, Gordon G., 3,784,076.

Scharer, Hans R., to USM Corporation. Homogenizing extruders. 3,850,414, 11-26-74, Cl. 259-191.000.

Scharf, Donald R.: *See—*
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Scharf, Edward Jonathan: *See—*
Dundon, John Peter; Kemme, Herbert Rudolph; and Scharf, Edward Jonathan, 3,804,723.

Scharf, Friedrich: *See—*
Schipke, Winfried; and Scharf, Friedrich, 3,831,450.

Scharf, Hans, to Siemens Aktiengesellschaft. Ceramic nuclear fuel or breeder material tablets and method of producing the same. 3,801,451, 4-2-74, Cl. 176-73.000.

Scharf, Harold: *See—*
Sutherland, David T.; and Scharf, Harold, 3,795,986.

Scharfe, Gerhard: *See—*
Grolig, Johann; Scharfe, Gerhard; and Swodenk, Wolfgang, 3,801,626.
Kronig, Walter; and Scharfe, Gerhard, 3,822,308.
Schwerdtel, Wulf; Kronig, Walter; Scharfe, Gerhard; and Swodenk, Wolfgang, 3,838,019.
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Wolz, Hermann; Wenzel, Rupert; Martin, Manfred; and Scharfe, Gerhard, 3,801,662.

Scharfen, Hans, to Forkardt, Paul, Kommanditgesellschaft. Swivel chuck for machining workpieces with a plurality of axes crossing each other. 3,790,181, 2-5-74, Cl. 279-4.000.

Scharfen, Hans, to Forkardt, Paul, Kommanditgesellschaft. Device for cutting and machining disc-shaped workpieces on both sides thereof. 3,823,627, 7-16-74, Cl. 82-2.00a.

Scharfen, Josef: *See—*
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Scharfenberger, James A.; and Drum, Edward W., to Ransburg Corporation. Electrostatic apparatus. 3,826,425, 7-30-74, Cl. 239-15.000.

Scharfenberger, James A., to Ransburg Electro-Coating Corporation. Apparatus for spraying resin and expanded thermoplastic spheres. 3,829,016, 8-13-74, Cl. 239-127.000.

Scharfman, Howard, to Raytheon Company. Method and apparatus for processing eggs with microwave energy. 3,830,945, 8-20-74, Cl. 426-243.000.

Scharlack, Ronald S., to Kelsey-Hayes Company. Skid control system for tendem axled vehicles. 3,847,446, 11-12-74, Cl. 303-21.0eb.

Scharli, Otto: *See—*
Jaecklin, Andre; and Scharli, Otto, 3,789,248.

Scharm, Klaus: *See—*
Zerle, Ludiw; and Scharm, Klaus, 3,848,184.

Scharman & Co.: *See—*
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Scharnhorst, Peter: *See—*
Greene, Richard F.; Schoolar, Richard B.; and Scharnhorst, Peter, 3,842,274.

Scharpf, William G., to FMC Corporation. Chlorination of acetoacetamides. 3,852,351, 12-3-74, Cl. 260-562.00b.

Scharpf, William George, to FMC Corporation. Substituted 1,3,8-triazaspiro[4.5]decanes. 3,839,340, 10-1-74, Cl. 260-293.660.

Scharpf, William George; and Stange, Hugo, to FMC Corporation. Substituted 1,3,8-triazaspiro[4.5]decanes. 3,839,341, 10-1-74, Cl. 260-293.660.

Scharpf, William George, to FMC Corporation. Substituted 1,3,8-triazaspiro[4,5]decanes. 3,839,342, 10-1-74, Cl. 260-293.660.

Scharre, Edward W., to General Electric Company. Packaged article including blocking and cushioning means. 3,854,579, 12-17-74, Cl. 206-320.000.

Scharrenbroich, Helmut: *See—*
Fischer, Stefan; Galden, Peter; Scharrenbroich, Helmut; and Wollschlager, Dieter, 3,854,857.

Scharrer, Roland Pierre Franz, to Arizona Chemical Company. Conjugation of unsaturated fatty materials. 3,784,537, 1-8-74, Cl. 260-97.500.

Scharres, Harry J. Latch mechanism for fire and smoke dampers and the like. 3,807,237, 4-30-74, Cl. 74-2.000.

Schartel, Ronald S., to Rockwell International Corporation. Stuffer crimper yarn guide means. 3,854,178, 12-17-74, Cl. 28-1.600.

Schartmann, Knut Roger, to Northern Electric Company Limited. Digital decoder for multiple frequency telephone signalling. 3,790,720, 2-5-74, Cl. 179-84.0vf.

Scharton, Terry D.; and Pinkel, Benjamin, to Bolt, Beranek and Newman, Inc. Method of and apparatus for reducing sound generated by surfaces in fluid jet steams and the like. 3,826,331, 7-30-74, Cl. 181-33.0hc.

Scharwaechter, Peter: *See—*
Petersen, Harro; Fuchs, Friedrich; and Scharwaechter, Peter, 3,808,292.

Scharzler, Hans-Jurgen, to Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung. Bi-directional deflectible control flap for airfoils. 3,799,474, 3-26-74, Cl. 244-42.0da.

Schat Davits, Limited: *See—*
Solter, Helmut Adolf, 3,788,606.

Schatt Industries, Inc.: *See—*
Tucker, Raymond Z.; and Benson, Jack O., 3,811,706.

Schattenmann, Wolfram: *See—*
Wilckens, Volkmar; and Schattenmann, Wolfram, 3,784,969.

Schatton, Paul: *See—*
Elm, Karl Horst; Schatton, Paul; and Kruse, Joachim, 3,856,337.

Schatz, Arthur: *See—*
Gawlick, Heinz; Schatz, Arthur; and Mothes, Heinz, 3,800,706.

Schatz, Friedrich: *See—*
Ziemek, Gerhard; Beck, August; Gwnia, Ewald; Schatz, Friedrich; and Arntz, Hans-Joachim, 3,791,416.

Schatz, Gerold. Fitting for releasably connecting two parts, especially furniture parts. 3,836,267, 9-17-74, Cl. 403-17.000.

Schatz, Hermann: *See—*
Brunnmueller, Friedrich; Schatz, Hermann; Mayer, Johann; and Grabowsky, Otto, 3,816,376.

Schatz, Martin L., 20% to Lee, Raymond, Organization, Inc., The. Bouncing toy rocket. 3,793,765, 2-26-74, Cl. 46-74.00a.

Schatz, Milton C. Table-tennis ball throwing machine using air propulsion. 3,847,132, 11-12-74, Cl. 124-11.00r.

Schatz, Oskar; and Dieckmann, Uwe, to Krupp, Fried., Gesellschaft mit beschrankter Haftung. Charging device. 3,845,979, 11-5-74, Cl. 294-88.000.

Schatz, Paul. Apparatus for generating a wobble motion. 3,824,866, 7-23-74, Cl. 74-61.000.

Schatz, Peter M. Aquarium cleansing apparatus. 3,814,254, 6-4-74, Cl. 210-169.000.

Schatzel, Philip R.: *See—*
Blazek, Frank V.; Dufer, William B.; Franke, Raymond C.; and Schatzel, Philip R., 3,794,833.

Schatzman, Edward W., to Avey Machine Tool Co. Division of Motch & Merryweather Machinery Company, The. Power drilling machine with resistance triggered retraction. 3,816,016, 6-11-74, Cl. 408-11.000.

Schaub, Carlton H.: *See*—
Broadley, William D.; Grina, Kenneth I.; and Schaub, Carlton H., 3,841,586.

Schaub, Franz; and Speth, Sebastian, to Ruhchemie Aktiengesellschaft. Process for the thermal treatment of rubber and other plastic materials. 3,787,166, 1-22-74, Cl. 431-11.000.

Schaub, Fritz: *See*—
Schelling, Hans-Peter; and Schaub, Fritz, 3,829,442.

Schaub, Gerhard, to Gebr. Buhler Nachfolger GmbH. Collectorless D. C. motor. 3,795,848, 3-5-73, Cl. 318-138.000.

Schaub, Gerhard; and Schramm, Karl, to Gebr. Buhler Nachfolger GmbH. Circuit for regulating the speed of a direct current motor. 3,812,410, 5-21-74, Cl. 318-328.000.

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Schaub, Robert Eugene: *See*—
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Schiefer, Harry M.; Laux, Raymund W.; and Grosse, Dietmar W., to Dow Corning Corporation. Self-lubricating bearings and other machine elements and a process for their manufacture. 3,808,130, 4-30-74, Cl. 252-12.400.

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Schiemann, Wofram. Device for the venting of Jerry cans. 3,834,594, 9-10-74, Cl. 222-464.000.

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Schiemann, Wolfram. Device for discharge nozzles on cans. 3,844,456, 10-29-74, Cl. 222-545.000.

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Schier, Gustave. Apparatus for peeling fruit such as a lemon and slicing the rind. 3,853,050, 12-10-74, Cl. 99-590.000.

Schier, Robert W. Serving utensil for fruits. 3,821,061, 6-28-74, Cl. 161-42.000.

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Schirmer, Kenneth L., to TRW Inc. Drilling machine. 3,837,121, 9-24-74, Cl. 51-56.000.
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Schirtzinger, Joseph F., to Air Logistics Corporation. Ice removal track. 3,791,328, 2-12-74, Cl. 114-42.000.
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Schischkow, Konstantin F. Exhaust purifier and method. 3,800,532, 4-2-74, Cl. 60-274.000.
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Holding, Thomas; Schisler, Robert C.; and Sawyer, John M., 3,811,570.
Schissler, Lloyd R., to Sperry Rand Corporation. Acoustic delay surface wave motion transducer systems. 3,848,144, 11-12-74, Cl. 310-8.100.

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Schjeldahl, G. T., Company: *See*—
Adams, Richard C.; Snowman, David R.; Ambler, James R.; and Houle, Philip J., 3,796,140.
Jacobi, William I., 3,804,697.
Monahan, Thomas J.; and Adams, Richard C., 3,837,552.

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Schladitz, Hermann J., to Schladitz-Whiskers A.G. Electrical fluid heating device. 3,826,895, 7-30-74, Cl. 219-382.000.

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Schlaefer, Francis W.; and Hansen, George A., to Rohm and Haas Company. Novel catalyst for methacrolein production. 3,839,227, 10-1-74, Cl. 252-455.00r.

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Burg, Karlheinz; Hermann, Hans Dieter; and Schlaf, Helmut, 3,835,080.
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Schlaffer, Walter G., to Shell Oil Company. Catalyst preparation method. 3,794,598, 2-26-74, Cl. 252-455.00z.

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Elder, George; and Lehnhuff, Hans F., 3,786,659.
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Schlager, Ludwig H. 3-Amino alkyl-4-phenyl-2(1H)-quinolone derivatives. 3,799,928, 3-26-74, Cl. 260-268.0bq.

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Schlanzky, Manfred P. H.; and Creager, John E., to General Motors Corporation. Fuel level sender for a vehicle fuel tank. 3,798,970, 3-26-74, Cl. 73-313.000.

Schlanzky, Manfred P. H., to General Motors Corporation. Differential mounted single stage diaphragm operate. 3,841,796, 10-15-74, Cl. 417-274.000.

Schlapfer, Hans: *See*—
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Mazur, Robert H.; and Schlatter, James M., 3,853,835.

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Schlatter, Rene; and Stroup, James P., to Latrobe Steel Company. Desulfurization of vacuum-induction-furnace-melted alloys. 3,853,540, 12-10-74, Cl. 75-53.000.

Schlauch, Richard M.: *See*—
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Schlaudroff, Leo M.; and McKinley, Hollace R., to General Electric Company. Winding inserting apparatus. 3,831,641, 8-27-74, Cl. 140-92.100.

Schlaudt, Charles M.; Clendenen, Ronald L.; and Olson, Eugene E., to Shell Oil Company. Ceramic permanent magnet. 3,830,743, 8-20-74, Cl. 252-52.630.

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Schleberger, Franz: *See*—
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Schlecht, Karl, to Putzmeister Interholding GmbH. Pump for concrete and other sludging materials. 3,832,097, 8-27-74, Cl. 417-516.000.

Schlecht, Karl, to Pulzmeister Interholding GmbH. Apparatus for damping the pressure increase of hydrostatic drives. 3,854,847, 12-17-74, Cl. 417-212.000.

Schledorn, Walter: *See*—
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Schlegel, P. L., Jr., to George Lithograph Company. Photo composing machine and method for making plates from microfilm. 3,813,159, 5-28-74, Cl. 355-53.000.

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Schlegel, William L., to Komline-Sanderson Engineering Corporation. Articulated coil spring connector. 3,799,532, 3-26-74, Cl. 276-148.000.

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Schleicher, Helmut. Timing relay. 3,848,163, 11-12-74, Cl. 317-141.00r.

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Schleicher, Lothar: *See*—
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Schleppnik, Alfred A.; and Wilson, John B., to Monsanto Company. Esters of dialkylallyl alcohols. 3,832,369, 8-27-74, Cl. 260-410.90n.

Schleppnik, Alfred A., to Monsanto Company. 1,(3'-hexenyl)-1-cycloalkanols. 3,857,898, 12-31-74, Cl. 260-617.00r.

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Schlesinger, Robert M. Antegrade-retrograde retention catheter. 3,805,794, 4-23-74, Cl. 128-349.000.

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Schlicht, Walter, to International Telephone and Telegraph Corporation. Electromechanical transducer for watches. 3,844,104, 10-29-74, Cl. 58-23.00d.

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Schlicke, Heinz M., to Allen-Bradley Company. Feedthrough filter with non-linear resistive dielectric. 3,842,374, 10-15-74, Cl. 333-79.000.

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Schlimme, Gisbert; and Tschirner, Manfred, to Miag Muhlenbau und Industrie GmbH. Device for the germination and drying of malt. 3,796,143, 3-12-74, Cl. 99-277.200.

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Schlinger, Warren G.: *See*—
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Schlitlin, George E.; Collins, Joseph B.; and Lambert, Michael W., to Arvin Industries, Inc. Catalytic converter. 3,799,748, 3-26-74, Cl. 23-288.00f.

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Schlitt, Helmut W., to Northrop Corporation. Asymmetric gyroscope. 3,805,625, 4-23-74, Cl. 74-5.340.

Schlitt, Helmut W. E., to Northrop Corporation. Turn rate sensor. 3,839,915, 10-8-74, Cl. 73-505.000.

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Schlogelhofer, Ferdinand, to Vereinigte Metallwerke Panshofen-Berndorf Aktiengesellschaft. Apparatus for the extrusion of billets. 3,810,379, 5-14-74, Cl. 72-255.000.
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Schmidt, Ernst, to Jacobs, Joh., & Co. One-position pack for the preparation of ground roasted coffee ready for drinking. 3,833,740, 9-3-74, Cl. 426-80.000.

Schmidt, Ernst Georg Ferdinand Heinrich, to Jacobs, Joh., & Company. Method for the mechanical preparation of individual cups of filtered coffee. 3,812,273, 5-21-74, Cl. 426-433.000.

Schmidt, Ernst Machiel: *See*—
Lorteije, Jean Hubertus Josef; Schmidt, Ernst Machiel; and Van der Put, Henricus Cornelis Adrianus, 3,829,646.

Schmidt, Ernst Machiel; and Post, Hendrik Alle, to U.S. Philips Corporation. Device and holder therefor for inserting a hollow coupling member into bone marrow. 3,815,605, 6-11-74, Cl. 128-305.000.

Schmidt, Esther: *See*—
Schmidt, Gerhard J. M.; Shabiai, Joseph; and Hirshfeld, Amiram, 3,819,578.

Schmidt, Ethan R., to Union Oil Company of California. Gravel packing tool and removable fluid diverting baffles. 3,802,500, 4-9-74, Cl. 166-51.000.

Schmidt, Ewald; Brachet, Hansvilli Von; Muller, Rolf; and Kindler, Horst, to Cassella Farbwerke Mainkur Aktiengesellschaft. Process for the preparation of acyl succinc acid dialkyl esters. 3,786,083, 1-15-74, Cl. 260-483.000.

Schmidt, Ewald; and Wiessner, Willi, to Leitz, Ernst, G.m.b.H. Light meter with nuclear light source. 3,856,416, 12-24-74, Cl. 356-219.000.

Schmidt, Felix Helmut: *See*—
Hubner, Manfred; Heerdt, Ruth; Schmidt, Felix Helmut; Thiel, Max; and Weyer, Rudi, 3,849,417.
Stork, Harold; Schmidt, Felix Helmut; Thiel, Max; Fauland, Erich; and Kampe, Wolfgang, 3,851,056.
Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Schmidt, Felix Helmut, 3,825,665.
Weyer, Rudi; Aumuller, Walter; Weber, Helmut; Muth, Karl; and Schmidt, Felix Helmut, 3,790,630.

Schmidt, Ferenc J., to Ametek, Inc. Marine waste disposal apparatus. 3,786,923, 1-22-74, Cl. 210-152.000.

Schmidt, Franz: *See*—
Fuchs, Hugo; Ricker, Ernst; Schmidt, Franz; Schwartz, Erich; and Sperber, Heinrich, 3,849,444.
Hilt, Albrecht; Schmidt, Franz; and Schwartz, Erich, 3,784,519.
Ricker, Ernst; Sander, Bruno; Schmidt, Franz; Schwartz, Erich; Sperber, Heinrich; and Wilhelm, Hans, 3,836,605.
Wurmb, Rolf; Schuette, Wilhelm; Werther, Heinz-Ulrich; and Schmidt, Franz, 3,850,873.

Schmidt, Frederick A.; and Carlson, Oscar N., to United States of America, Atomic Energy Commission. Method for preparing scandium metal. 3,846,121, 11-5-74, Cl. 75-62.000.

Schmidt, Frederick W.: *See*—
Bartoszevicz, Joseph G.; Murphy, George H. Jr.; and Schmidt, Frederick W., 3,829,943.

Schmidt, Fredericka L.: *See*—
Rynbrandt, Ronald H.; Cerda, Elisabeth S.; and Schmidt, Fredericka L., 3,786,156.

Rynbrandt, Ronald H.; and Schmidt, Fredericka L., 3,786,157.

Schmidt, Friedo Eberhard: *See*—
Compernass, Josef; Grunberger, Eberhard; and Schmidt, Friedo Eberhard, 3,847,630.

Schmidt, Fritz; Matthaus, Gunther; and Massek, Peter, to Siemens Aktiengesellschaft. Current feeding arrangement for electrical apparatus having low temperature cooled conductors. 3,835,239, 9-10-74, Cl. 174-15.0bh.

Schmidt, Fritz; Matthaus, Gunther; and Massek, Peter, to Siemens Aktiengesellschaft. Current feeding arrangement for electrical apparatus having low temperature cooled conductors. 3,849,589, 11-19-74, Cl. 174-21.00r.

Schmidt, Georg: *See*—
Jenner, Heinrich; and Schmidt, Georg, 3,820,340.

Schmidt, George E.; and Schnell, Joseph F., to International Business Machines Corporation. Dynamic address translation reversed. 3,786,427, 1-15-74, Cl. 340-172.500.

Schmidt, George F., to Kimberly-Clark Corporation. Pressure sensitive adhesive tape and disposable diaper. 3,797,495, 3-19-74, Cl. 128-287.000.

Schmidt, Gerald W.; Smith, Jay III; Jones, Lawrence T.; and Conroy, Richard F. M., to Identicator Corporation. Fingerprinting apparatus. 3,831,552, 8-27-74, Cl. 118-31.500.

Schmidt, Gerhard J. M.; deceased (by Schmidt, Esther; legal representative); Shabiai, Joseph; and Hirshfeld, Amiram, to Yeda Research and Development Co., Ltd. Production of muconodinitrile. 3,819,578, 6-25-74, Cl. 260-465.80r.

Schmidt, Gerhard Martin Julius; Lahav, Meir; and Friedman, Gad, to Veda Research and Development Co. Ltd. Cyclooctadiene compounds and process of preparing same. 3,839,365, 10-1-74, Cl. 260-346.300.

Schmidt, Gerrit. Transmission. 3,802,288, 4-9-74, Cl. 74-393.000.

Schmidt, Gertraud A., to General Cable Corporation. Method of applying and cooling low density polyethylene cable insulation. 3,849,192, 11-19-74, Cl. 117-232.000.

Schmidt, Gilbert R.; and Briggs, John W. Rifll zeroing device. 3,805,608, 4-23-74, Cl. 73-167.000.

Schmidt, Gunter: *See*—
Fink, Hans-Ferdi; Koerner, Gotz; and Schmidt, Gunter, 3,817,889.

Schmidt, Gunter, to Production, Inc. Film sheet cassette. 3,784,835, 1-8-74, Cl. 250-480.000.

Schmidt, Gunter, to Production, Inc. Daylight film handling system. 3,790,160, 2-5-74, Cl. 271-18.00r.

Schmidt, Gunter, to Productron, Inc. Dental film stripper. 3,833,917, 9-3-74, Cl. 354-310.000.

Schmidt, Gunther, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Liquid fueled rocket engine of the main current type having separate control nozzles operated from turbine exhaust gases branched off from the rocket process. 3,788,069,1-29-74, Cl. 60-207.000.

Schmidt, Gunther, to Bosch, Robert, G.m.b.H. Method of soldering a conductor to a semiconductor. 3,791,019, 2-12-74, Cl. 29-473.100.

Schmidt, Gunther, to Woelm, M. Hypodermic syringe with clutch for aspiration. 3,797,487, 3-19-74, Cl. 128-218.00r.

Schmidt, Gunther, to Bosch, Robert, G.m.b.H. Semi-conductor unit with flow-deposited solder. 3,821,614, 6-28-74, Cl. 317-234.00r.

Schmidt, Gunther, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Main stream liquid-fuel rocket engine construction and method of starting a liquid-fuel rocket engine. 3,828,551, 8-13-74, Cl. 60-204.000.

Schmidt, Hans, to Motorola, Inc. Channel selector and indicator for multi-channel receiver. 3,811,100, 5-14-74, Cl. 334-15.000.

Schmidt, Hans; Eggert, Erwin; and Schuckle, Gert, to Gesellschaft fur Kernforschung mbH. Small axial thermocouple. 3,819,420, 6-25-74, Cl. 136-228.000.

Schmidt, Hans Dietrich: *See*—
Maronde, Herbert; and Schmidt, Hans Dietrich, 3,816,841.

Schmidt, Hans V. Length measurer for elongate materials. 3,841,462, 10-15-74, Cl. 198-39.000.

Schmidt, Hans-Joachim: *See*—
Krekeler, Hans; Fernholtz, Hans; Freudenberger, Dieter; Schmidt, Hans-Joachim; and Wunder, Friedrich, 3,836,567.

Schmidt, Heinrich Gottlieb; Stoltzenberg, Dietrich; and Wolf, Viktor, to Lever Brothers Company. Carbon dioxide generating foodstuff package with polyethyleneimine layer composite plastic foil. 3,840,680, 10-8-74, Cl. 426-126.000.

Schmidt, Helmut: *See*—
Muhling, Alois; Schmidt, Helmut; and Knie, Hans, 3,792,207.
Schmidt, Helmut, 3,799,037.
Schmidt, Helmut, 3,811,459.

Schmidt, Helmut, to Schmidt, Helmut and Feitz, Edwin H. Valve attachment. 3,799,037, 3-26-74, Cl. 92-98.00r.

Schmidt, Helmut, to Schmidt, Helmut and Fietz, Erwin. Pressure indicating valve. 3,811,459, 5-21-74, Cl. 137-227.000.

Schmidt, Henry, Jr., to Industrial Filter & Pump Mfg. Co. Filter cake compression system. 3,814,257, 6-4-74, Cl. 210-332.000.

Schmidt, Herbert; Weiler, Rolf; and Czich, Erhard, to ITT Industries, Inc. Charging cylinder for a vacuum operated hydrodynamic brake system. 3,831,634, 8-27-74, Cl. 138-26.000.

Schmidt, Herbert K., to Wean United, Inc. Die changing apparatus. 3,834,208, 9-10-74, Cl. 72-263.000.

Schmidt, Jacob E., to McGraw-Edison Company. Air-depolarized primary battery. 3,788,900, 1-29-74, Cl. 136-86.00a.

Schmidt, Jacob E., to McGraw-Edison Company. Low resistance terminal connector for air-depolarized cathode. 3,843,413, 10-22-74, Cl. 136-86.00a.

Schmidt, James R.: *See*—
Franklin, Mark E.; and Schmidt, James R., 3,795,981.
Franklin, Mark E.; and Schmidt, James R., 3,854,209.
Franklin, Mark E.; and Schmidt, James R., 3,854,210.

Schmidt, Joachim; Merkl, Ernst; and Zillgitt, Ulrich, to Bosch, Robert, G.m.b.H. Sealed-beam headlight. 3,818,215, 6-18-74, Cl. 240-41.00r.

Schmidt, Jochen: *See*—
Pfaue, Johannes; and Schmidt, Jochen, 3,825,788.

Schmidt, John E.: *See*—
Stephenson, Orlando W., III; and Schmidt, John E., 3,788,966.

Schmidt, John E.; deceased (by Schmidt, Margaret J.; legal representative); and Jorgensen, George N., said Jorgensen assor. to Square D Company. Top cover for a bus duct joint. 3,787,794, 1-22-74, Cl. 339-22.00b.

Schmidt, John G., to Monsanto Company. Fabrication of semiconductor devices. 3,798,083, 3-19-74, Cl. 148-188.000.

Schmidt, John G., to Monsanto Company. Fabrication of semiconductor devices. 3,801,384, 4-2-74, Cl. 148-188.000.

Schmidt, John P.; and Garcia, Alfredo, Jr., to Halcon International, Inc. Separation of propylene oxide from other hydrocarbons. 3,843,488, 10-22-74, Cl. 203-52.000.

Schmidt, Jon J.: *See*—
Tex, Karel Den; Jensen, Donald F.; Ricklefs, Merlin J.; Saltz, Fred; Schmidt, Jon J.; and Stacy, Phillip S., 3,827,628.

Schmidt, Joseph J., to Chesapeake and Ohio Railway Company, The and Baltimore and Ohio Railroad Company, The. Means for reading and interpreting color-coded identification labels. 3,812,325, 5-21-74, Cl. 235-61.11e.

Schmidt, Karin. Apparatus for testing the bending strength of elastic materials. 3,831,438, 8-27-74, Cl. 73-100.000.

Schmidt, Karin. Device for molding a sole onto a shoe upper. 3,838,956, 10-1-74, Cl. 425-119.000.

Schmidt, Karl; and Boockmann, Gerhard, to Beck, Dr., & Co., AG. Process of making a modified polyester imide wire insulation and product obtained thereby. 3,793,250, 2-19-74, Cl. 260-75.00n.

Schmidt, Karl; Hansch, Ferdinand; and Rombrecht, Hans-Malte, to Beck, Dr., & Co., AG. Varnishes of polyesterimides based on pentaerythritol. 3,839,264, 10-1-73, Cl. 260-33.40p.

Schmidt, Karl; and Neubert, Gerhard, to Beck, Dr. & Co., GmbH. Polyesterimide resins. 3,852,246, 12-3-74, Cl. 250-75.00n.

Schmidt, Karl, G.m.b.H.: *See*—
Reitz, Johannes; Frese, Hans-Jurgen; Bedenbender, Rainer; and Heim, Josef, 3,799,709.
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Schmidt, Karl Otto, to Gebruder Schmidt Metallwarenfabrik O. H. G. Spring balance. 3,799,282, 3-26-74, Cl. 177-230.000.

Schmidt, Karl-Julius: *See*—
Pohlmann, Heinrich; and Schmidt, Karl-Julius, 3,810,980.

Schmidt, Kenneth A., to Culligan International Company. Pretreatment for reverse osmosis process. 3,823,086, 7-9-74, Cl. 210-23.000.

Schmidt, Louis A. Fuze and sonde coaxial connector. 3,853,061, 12-10-74, Cl. 102-70.20r.

Schmidt, Margaret J.: *See*—
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Schmidt, Otto: *See*—
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Schmidt, Otto K., to AMF Incorporated. Reconstituted tobacco composition. 3,821,959, 7-2-74, Cl. 131-17.0ac.

Schmidt, Paul: *See*—
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Schmidt, Paul; Moser, Peter; and Winkmann, Guenther, to Ciba-Geigy Corporation. 1-Imidazolyl-2-substituted hydroxy propyl amines. 3,821,241, 6-28-74, Cl. 260-309.000.

Schmidt, Paul Herman: *See*—
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Schmidt, Peter: *See*—
Bauman, Gunther; Schmidt, Peter; Eisele, Hermann; and Wahl, Josef, 3,812,710.

Schmidt, Peter; and Bejerman, Osvaldo, to Bosch, Robert, GmbH. Method to reduce noxious components in internal combustion engine exhaust gases, and apparatus therefor. 3,831,564, 8-27-74, Cl. 123-32.0ae.

Schmidt, Peter James, to Xomox Corporation. Method of making a coated butterfly valving member. 3,814,777, 6-4-74, Cl. 264-40.000.

Schmidt, Peter Jurgen: *See*—
Linder, Ernst; Zechnall, Richard; Wahl, Josef; and Schmidt, Peter Jurgen, 3,827,237.

Schmidt, Peter Jurgen; and Kizler, Harald, to Bosch, Robert, G.m.b.H. Method and apparatus to reduce noxious components in the exhaust gases of internal combustion engines. 3,782,347, 1-1-74, Cl. 123-119.00r.

Schmidt, Raymond H., to Royal Industries, Inc. Vehicle torsion bar setting gauge. 3,783,521, 1-8-74, Cl. 33-181.0at.

Schmidt, Richard, to Tool Steel Gear & Pinion Co., The. Coupling. 3,791,170, 2-12-74, Cl. 64-19.000.

Schmidt, Richard, to Procter Paint and Varnish Co., Inc. Means for depositing lids on filled containers and then seating said lids in sealing condition on such containers. 3,848,396, 11-19-74, Cl. 53-43.000.

Schmidt, Richard J.: *See—*
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Schmidt, Robert A., Jr.: *See—*
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Schmidt, Robert J., to Chevron Research Company. Resiliency testing device. 3,854,328, 12-17-74, Cl. 73-91.000.

Schmidt, Robert L., to Riverside Laboratories, Inc. Laminating materials for low pressure laminates, method of making same, and laminates thereof. 3,794,552, 2-26-74, Cl. 161-232.000.

Schmidt, Robert P.; and Menke, Richard S. Apparatus for a thumb wrestling game. 3,790,165, 2-5-74, Cl. 273-1.00r.

Schmidt, Robert R.: *See—*
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Schmidt, Robert R.; and Jager, Gerhard, to Bayer Aktiengesellschaft. Herbicidal compositions. 3,839,009, 10-1-74, Cl. 71-92.000.

Schmidt, Robert Rudolf: *See—*
Hofer, Wolfgang; Schliebs, Reinhard; Schmidt, Robert Rudolf; and Eue, Ludwig, 3,846,513.

Schmidt, Robert Theodore; and Mulka, John Daniel, to General Electric Company. Antenna assembly for a capacitance-responsive safety device. 3,838,318, 9-24-74, Cl. 317-246.000.

Schmidt, Robert W., to Copar Corporation. Measurement system. 3,818,224, 6-18-74, Cl. 250-231.0se.

Schmidt, Roger A.: *See—*
Taft, David D.; and Schmidt, Roger A., 3,789,044.
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Schmidt, Theodor; and Meyer, Rudolf, to Ludwig-Ofag-Indugas Industrieofenanlegen GmbH. Method of and apparatus for carburizing steel bodies. 3,843,419, 10-22-74, Cl. 148-16.500.

Schmidt, Thomas A/S.: *See—*
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Schmidt, Thomas W., to Phillips Petroleum Company. Surface analysis. 3,792,251, 2-19-74, Cl. 250-41.300.

Schmidt, Ulrich, to Bosch, Robert, G.m.b.H. Gas turbidity measuring apparatus. 3,790,289, 2-5-74, Cl. 356-205.000.

Schmidt, Ulrich K.: *See—*
Wagensonner, Eduard; Schmidt, Ulrich K.; and Rieder, Alois, 3,804,505.

Schmidt, Uwe; and Thust, Walter, to U.S. Philips Corporation, mesne. Combination of doubly refracting prisms. 3,807,837, 4-30-74, Cl. 350-286.000.

Schmidt, Uwe J.: *See—*
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Schmidt, Verna Grace. Fire extinguisher. 3,782,475, 1-1-74, Cl. 169-1.00r.

Schmidt, Volker B.: *See—*
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Schmidt, Walter: *See—*
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Hartung, Sigurt; Dierichs, Helmut; Muller, Wilhelm; and Schmidt, Walter, 3,796,763.

Schmidt, Walter E., to Petcoa Industries, Inc., mesne. Non-corrosive, insulated illumination device for an aquarium. 3,834,351, 9-10-74, Cl. 119-5.000.

Schmidt, Walter-Ernest; and Vilceanu, Radu, to Centrul de Chimie Timisoara. Acridine and triarymethane dyestuffs from diarylamines. 3,801,579, 4-2-74, Cl. 260-279.000.

Schmidt, Warren J.: *See—*
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Schmidt, Werner, to Maschinenfabrik Rissen GmbH. Device for the manufacture of paper cups. 3,855,908, 12-24-74, Cl. 93-36.50r.

Schmidt, Wilfried, to General Motors Corporation. Ventilated fuel tank for motor vehicle. 3,802,596, 4-9-74, Cl. 220-85.00r.

Schmidt, Wilhelm: *See—*
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Schmidt, Wilhelm; and Schindler, Herward, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of basically reacting pharmaceuticals. 3,816,612, 6-11-74, Cl. 424-45.000.

Schmidt, Willfred G.: *See—*
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Schmidt, Willi J.; Kornelli, Wolfgang; and Werner, Eberhard, to Kelle Aktiengesellschaft. Method and apparatus for equalizing longitudinal variations in the running of a web under tension. 3,790,056, 2-5-74, Cl. 226-195.000.

Schmidt, Willi Johann, to Kalle Aktiengesellschaft. Asymmetrical transverse stretching of plastic film. 3,816,584, 6-11-74, Cl. 264-289.000.

Schmidt, Willi Johann; and Lumb, Hugo, to Kalle Aktiengesellschaft. Winding machine. 3,845,915, 11-5-74, Cl. 242-68.400.

Schmidt, Willi Johann; and Lumb, Hugo, to Kelle Aktiengesellschaft. Process for the preparation of winding operations and for the removal of rolls from a winding machine. 3,847,366, 11-12-74, Cl. 242-68.300.

Schmidt, William: *See—*
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Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; and Maillet, Wilfrid G., to Communications Satellite Corporation. TDMA satellite communication system with multi-PCM frames per TDMA frame. 3,806,879, 4-23-74, Cl. 340-172.500.

Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; Maillet, Wilfrid G.; and Haeberle, Heinz H., to Communications Satellite Corporation. TDMA satellite communications system with improved acquisition. 3,812,430, 5-21-74, Cl. 325-4.000.

Schmidt, William G.; Gabbard, Ova G.; Husted, John M.; and Maillet, Wilfrid G., to Communications Satellite Corporation. TDMA satellite communications system. 3,818,453, 6-18-74, Cl. 340-172.500.

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Schmidt, William L.; and Wright, Herschel E., to Beckman Instruments, Inc. Centrifuge rotor. 3,843,045, 10-22-74, Cl. 233-27.000.

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Schmidt-Burbach, Gerhard; Jung, Anton L.; Hubert, Helmut; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Strauss, Heinz, to Buderus'sche Eisenwerke AG. Air filter with electrostatic particle collection. 3,798,879, 3-26-74, Cl. 55-102.000.

Schmidt-Hatting, Wolfgang; Chaudhuri, Kiranendu; and Bachofner, Peter, to Swiss Aluminium Ltd. Method of controlling the supply of AL203 during the operation of a cell for electrolytic recovery of aluminum. 3,850,768, 11-26-74, Cl. 204-67.000.

Schmidt-Kloiber, Heinz; and Schuy, Stefan, to Wolf, Richard, GmbH. Device for destroying stones in the bladder, in the ureter, in the kidneys and the like. 3,785,382, 1-15-74, Cl. 128-328.000.

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Schmidtke, Martin; Reuttenauer, Winfried; and Penzl, Reinhold, to Siemens Aktiengesellschaft. Method of producing micro-electronic circuits. 3,840,986, 10-15-74, Cl. 29-625.000.

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Schmieg, John Joseph, to Du Pont de Nemours, E. I., and Company. Process of producing polyvinyl alcohol microgels. 3,839,307, 10-1-74, Cl. 260-86.10e.

Schmieler, William L. Sanitary scavenging implement. 3,804,448, 4-16-74, Cl. 294-19.00r.

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Schmit, George N.: *See—*
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Schmit, Justin M.; and Cushman, Robert D., to Jeno's Inc. Standable flexible container with straw. 3,799,914, 3-26-74, Cl. 426-85.000.

Schmit, Justin M., to Arctic Pac, Inc. Liquid containing and dispensing device. 3,809,290, 5-7-74, Cl. 222-88.000.

Schmitt, Arthur N., to Seismograph Service Corporation. Method and apparatus for seismic data aquisition by sequential sampling of data. 3,851,302, 11-26-74, Cl. 340-15.5ts.

Schmitt, Charles R.: *See—*
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Schmitt, Charles R., to United States of America, Atomic Energy Commission. Method for preparing hollow metal oxide microsphere. 3,792,136, 2-12-74, Cl. 264-44.000.

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Schneider, Hartmut; Drucker, Gerhard; and Filsinger, Reinhard, to Daimler-Benz Aktiengesellschaft. Fog rear light for motor vehicles. 3,808,448, 4-30-74, Cl. 307-10.0ls.
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Schneider, Herbert Anton, to Bell Telephone Laboratories, Incorporated. Ternary memory cell. 3,789,245, 1-29-74, Cl. 307-288.000.
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Schneider, Horst; Fergg, Berthold; Zahn, Wolfgang; Friedrich, Hujer; and Erich, Nagel, to Agfa-Gevaert Aktiengesellschaft. Arrangement for processing printing orders. 3,857,220, 12-31-74, Cl. 53-59.00r.
Schneider, Irwin. Grainless photographic medium and method of making same. 3,814,601, 6-4-74, Cl. 96-27.00e.
Schneider, Irwin, to United States of America, Navy. Technique for information storage using anisotropic color centers in alkali halide crystals. 3,846,764, 11-5-74, Cl. 340-173.0ls.
Schneider, Jean-Claude, to Fabrique d'Horlogerie CHS. Tissot & Fils S.A. Regulator assembly for the fine adjustment of timepiece movements. 3,815,355, 6-11-74, Cl. 58-109.000.
Schneider, Jean-Pierre, to Swiss Aluminium Ltd. Releasable corn connection device for hollow sections. 3,822,101, 7-2-74, Cl. 403-295.000.
Schneider, Johannes; and Pungs, Wolfgang, to Dynamit Nobel Aktiengesellschaft. Rendering polyamide shaped articles readily mold releasable. 3,803,076, 4-9-74, Cl. 260-30.40n.
Schneider, Johannes; and Pungs, Wolfgang, to Dynamic Nobel AG. Glass fiber-reinforced, terephthalic acid-containing polyamide molding compounds. 3,825,516, 7-23-74, Cl. 260-37.00n.
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Schneider, John Russell. Plate and frame type filtering apparatus. 3,850,812, 11-26-74, Cl. 210-231.000.
Schneider, Jos., & Co. Optische Werke: *See—*
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Schneider, Karl; Cuenoud, Gerard; Bouladon, Gabriel; and Zuppiger, Paul, to Battelle Memorial Institute. Transport system. 3,788,232, 1-29-74, Cl. 104-88.000.

Schneider, Karl Heinz. Arrangement for producing heat. 3,855,449, 12-17-74, Cl. 219-287.000.

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Schneider, Kurt; and Hovemann, Friedrich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of hydroxyethyl ethers of butyne-2-diol-1,4. 3,839,465, 10-1-74, Cl. 260-615.00b.

Schneider, Kurt A.; Adams, Leonard H.; and Hilpert, Conrad R., to Twin Disc, Incorporated. Hoist reversing transmission with centrifugal speed control. 3,851,739, 12-3-74, Cl. 192-3.570.

Schneider, Marc J. T.: *See*—
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Schneider, Michael, to Rock-Ola Manufacturing Corporation. Electronic selector system for automatic phonographs. 3,839,703, 10-1-74, Cl. 340-162.000.

Schneider, Morton: *See*—
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Schneider, Richard C., to International Business Machines Corporation. Phase shift reducing digital signal recording having no D.C. component. 3,855,616, 12-17-74, Cl. 360-40.000.

Schneider, Richard F.; and Bloedorn, Arthur R., to Hewlett-Packard Company. Wide frequency range counter system utilizing automatic range searching and loop compensation. 3,836,758, 9-17-74, Cl. 235-151.310.

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Schneider, Robert F., to Synthetic Electronic Technology Co., Inc. Blow injection apparatus. 3,809,517, 5-7-74, Cl. 425-242.00b.

Schneider, Rolf; and Muller, Hans-Martin, to Bosch, Robert, G.m.b.H. Air-fuel supply mixture control system for internal combustion engines. 3,824,966, 7-23-74, Cl. 123-32.0ae.

Schneider, Rudolf, to General Corrugated Machinery. Device for straight-line slitting and cutting of corrugated paper. 3,795,164, 3-5-74, Cl. 83-349.000.

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Schneider, Stanley T. Card punch. 3,837,251, 9-24-74, Cl. 83-449.000.

Schneider, Thomas A., to House of Doors, Inc. Measuring instrument. 3,803,718, 4-16-74, Cl. 33-107.00r.

Schneider, Thomas E.: *See*—
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Schneider, Walter. Automatic photo-composer. 3,802,773, 4-9-74, Cl. 355-43.000.

Schneider, Walter. Garbage receptacle. 3,817,448, 6-18-74, Cl. 232-43.200.

Schneider, Walter. Garbage bin. 3,843,223, 10-22-74, Cl. 312-274.000.

Schneider, Wilhelm, to Schneider & Kern. Impact-protected gear unit for measuring tools. 3,835,544, 9-17-74, Cl. 33-147.00j.

Schneider, William P.: *See*—
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Schneider, Wolfgang; Piekarek, Egbert Diethelm; and Thommes, Stefan, to Klein, Schanzlin & Becker Aktiengesellschaft. Apparatus for mounting movable devices. 3,788,580, 1-29-74, Cl. 248-14.000.

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Schneider-Arnoldi, Alfred; Gabler, Helmut; and Kandler, Joachim, to Knapsack Aktiengesellschaft. Hydraulic binder. 3,825,433, 7-23-74, Cl. 106-89.000.

Schneiderhan, Edward M., to Cummins-Allison Corporation. Electronic control system for punch-type encoder. 3,842,245, 10-15-74, Cl. 235-61.100.

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Schneidhofer, Adolf, to Fa. Gebr. Boehler & Co. AG. Process for electroslag-remelting of metals, in particular, steel. 3,802,481, 4-9-74, Cl. 164-52.000.

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Schneier, Michael Lawrence, to Sybron Corporation. Depleted liquid supply indicator. 3,787,829, 1-22-74, Cl. 340-244.00a.

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Schnell, Gunter; and Hohage, Klaus Albert, to Koppers Company, Inc. Cut-off knife for corrugators. 3,826,169, 7-30-74, Cl. 83-324.000.

Schnell, Hermann: *See*—
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Vernaleken, Hugo; Lange, Ralf; Schnell, Hermann; and Schwarz, Hans-Helmut, 3,821,294.

Schnell, Joachim, to B. Braun Melsungen Aktiengesellschaft. Stable, non-pyrogenetic, intravenously administrable aqueous fat emulsions containing amino acids. 3,793,450, 2-19-74, Cl. 424-195.000.

Schnell, Josef. Frictional type exercising device. 3,856,297, 12-24-74, Cl. 272-79.00b.

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Schnell, Karl. Portioning device for doughy material. 3,784,332, 1-8-74, Cl. 417-319.000.

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Schnetger, Jochen, to Bayer Aktiengesellschaft. Process for the vulcanization and expansion of polychloroprene rubber with azodicarbonamide. 3,846,350, 11-5-74, Cl. 260-2.50h.

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Schnettler, Richard A.; and Suh, John T. Process of preparing alpha-hydroxymethyl aminoacids. 3,856,854, 12-24-74, Cl. 260-519.000.

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Schnyder, Conrad W., to Neuco Apparatebau AG. Dispenser for web-form handtowel. 3,797,902, 3-19-74, Cl. 312-39.000.

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Schnyder, Hans. Mechanical-biological waste water purification plant. 3,794,176, 2-26-74, Cl. 210-242.000.

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Schober, Helmut, to Sick, Erwin, Optik-Elektronik. Arrangement for hue evaluation. 3,809,892, 5-7-74, Cl. 250-226.000.

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Schoch, Robert, to Weinmann Aktiengesellschaft. Plastic latch for skiboot. 3,820,256, 6-28-74, Cl. 36-2.5al.

Schoch, Walter K., to Owens-Illinois, Inc. Inspection head mounting apparatus. 3,833,852, 9-3-74, Cl. 324-71.000.

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Schoeb, John, to Brown & Williamson Tobacco Corporation. Pneumatic feeder for plural maker systems. 3,829,164, 8-13-74, Cl. 302-28.000.

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Schoen, Whardt A. A., to Stamicarbon N.V. Hydroxyl-terminated polylactones. 3,806,495, 4-23-74, Cl. 260-78.30r.
Schoen, Wolfgang; Friedrich, Rainer; and Liebscher, Johannes, to Leifheit International Gunter Leifheit KG. Dryer for laundry and other objects. 3,833,127, 9-3-74, Cl. 211-86.000.
Schoenauber, Wolfgang; and Steiner, Karl Ulrich, to Sandoz Ltd. Process for the production of anthraquinone derivatives chlorinated in alpha-positions. 3,821,262, 6-28-74, Cl. 260-380.000.
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Schoendube, Charles W., to General Electric Company. Cooling systems especially for dry type induction regulators. 3,819,965, 6-25-74, Cl. 310-58.000.
Schoene, Gunter: *See*—
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Schoenewaldt, Erwin F.; and Ihnen, Ernel D., to Merck & Co., Inc. Process for converting (-) reticuline to ( ) salutaridine. 3,785,927, 1-15-74, Cl. 195-51.00r.
Schoenfeld, Stanley; and Skolnik, Jacob, to Richardson-Merrell Inc. Disposable douche. 3,844,284, 10-29-74, Cl. 128-232.000.
Schoenfield, Palmer: *See*—
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Schoenhenz, Daniel, to Societe Anonyme D.B.A. Caliper and mounting means for a disc brake. 3,805,925, 4-23-74, Cl. 188-73.300.
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Schoenholz, Daniel; Petersen, Arthur Walter; and Northyp, Marcus Allen, Jr., to Church & Dwight Co., Inc. Cleaning method and compositions. 3,808,051, 4-30-74, Cl. 134-2.000.
Schoenholz, Daniel, to Sperry Rand Corporation, mesne. Hair setting composition and method of use. 3,850,178, 11-26-74, Cl. 132-7.000.
Schoenlaub, Robert A. Method of manufacturing zirconium oxide and salts. 3,832,441, 8-27-74, Cl. 423-71.000.
Schoenrock, Karlheinz W. R.; Hsieh, Chia-Lung; and Rounds, Hugh G., to Amalgamated Sugar Company, The. Process for the purification of sugarbeet juice and the recuction of lime salts therein. 3,834,941, 9-10-74, Cl. 127-50.000.
Schoenwitz, Frank H. W., to Honeywell Inc. Read-only-memory storage apparatus for controlling data logging apparatus. 3,824,550, 7-16-74, Cl. 340-151.000.
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Schoeps, Knut Christian; and Karden, Karl Gosta, to Atlas Copco Aktiebolag. Rotary impact motor. 3,789,934, 2-5-74, Cl. 173-93.500.
Schoeps, Knut Christian, to Atlas Copco Aktiebolag. Impact wrench. 3,832,916, 9-3-74, Cl. 81-52.300.
Schoeps, Knut Christian; and Gustavsson, Tommy Henning Bruno, to Atlas Copco Aktiebolag. Impact wrench with automatic shut-off. 3,835,934, 9-17-74, Cl. 173-12.000.
Schoer, Heinz; and Schultze, Werner, to Vereinigte Aluminium-Werke Aktiengesellschaft. Joining process. 3,807,033, 4-30-74, Cl. 29-494.000.
Schoer, Heinz; and Schultze, Werner, to Vereinigte Aluminium-Werke Aktiengesellschaft. Process for brazing workpieces of aluminium containing material. 3,811,177, 5-21-74, Cl. 29-494.000.
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Schoerner, Roger J.; and Chia, Enrique C., to Southwire Company. Aluminum alloy electrical conductor. 3,807,969, 4-30-74, Cl. 29-193.000.
Schoerner, Roger J.; and Chia, Enrique C., to Southwire Company. Aluminum alloy electrical conductor. 3,811,846, 5-21-74, Cl. 29-193.000.
Schoerner, Roger J., to Southwire Company. High speed strander. 3,827,225, 8-6-74, Cl. 57-13.000.
Schoerner, Roger J.; and Chia, Enrique C., to Southwire Company. Master aluminum cobalt alloy. 3,843,358, 10-22-74, Cl. 75-147.000.
Schoettle, Klaus; Hack, Joachim; Loewenberg, Gustav; and Hoffmann, Werner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Tape recorder and magnetic tape cassette with movable tensioning and brake means. 3,800,322, 3-26-74, Cl. 360-96.000.
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Schoffmann, Rudolf; and Rinesch, Rudolf, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Continuous casting plate for slabs. 3,810,507, 5-14-74, Cl. 164-260.000.
Schofield, Andrew Noel, to National Research Development Corporation. Hydraulic engineering installations. 3,785,158, 1-15-74, Cl. 61-1.000.
Schofield, Arthur T., to Manufacturers Brush Company, The. Interlocking rotary brush construction. 3,851,350, 12-3-74, Cl. 15-181.000.
Schofield, J. Allan; and Delano, Roger A., to Union Carbide Corporation. Azeotropic composition. 3,833,507, 9-3-74, Cl. 252-171.000.
Schofield, John A., to Union Carbide Corporation. Azeotropic composition. 3,846,327, 11-5-74, Cl. 252-170.000.
Schofield, John Allan; and Delano, Roger Albert, to Union Carbide Corporation. Ternary azeotropic cleaning solution based on tetradich-lorodifluoroethane. 3,785,987, 1-15-74, Cl. 252-171.000.
Schofield, John Michael Stuart, to U.S. Philips Corporation. Glow discharge display device. 3,829,734, 8-13-74, Cl. 313-217.000.
Schoggen, Howard Leon; Holmgren, John Richard; and Harris, Thomas Sanders, Jr., to Buckeye Cellulose Corporation, The. Sheeted cellulose derivative fibers. 3,826,711, 7-30-74, Cl. 162-102.000.
Schokkenbroek, Jan, to Koninklijke Nederlandsche Hoogovens en Staalfabrieken N.V. Method for adding a granular or powdered reaction component to a molten metal, as well as an improved granular or powdered reaction component for carrying out a corrective rection on a molten metal. 3,847,592, 11-12-74, Cl. 75-53.000.
Schol, Robert Cornelis, to Ingenieursbureau Rodehuis & Verloop N.V. Furnace installation for burning liquid or gaseous fuel, in particular for a boiler. 3,838,652, 10-1-74, Cl. 110-49.000.
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Schold, George R. Apparatus for dispersing finely divided solid particles in a liquid vehicle. 3,845,938, 11-5-74, Cl. 259-8.000.
Scholes, Addison B.; and Kozlowski, Joseph J., to Ball Corporation. Method for treating vitreous surfaces. 3,819,404, 6-25-74, Cl. 117-106.00r.
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Scholl, Friedrich, to Bosch, Robert, G.m.b.H. Method to reduce noxious components in the exhaust of internal combustion engines. 3,832,848, 9-3-74, Cl. 60-274.000.
Scholl, Hans-Joachim; Klauke, Erich; Grewe, Ferdinand; and Hammann, Ingeborg, to Bayer Aktiengesellschaft. 4,5-Bis-

(trifluoromethylimino) diazoles. 3,787,435, 1-22-74, Cl. 260-309.200.
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Scholl, Howard O., to American Air Filter Company, Inc. U-shaped fluid treating filter. 3,810,350, 5-14-74, Cl. 55-487.000.
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Scholl, Rolland D., to Caterpillar Tractor Company. Control circuit with deadband compensation for electrically actuated devices. 3,821,625, 6-28-74, Cl. 318-624.000.
Scholl, Ronald F.; and Bleha, William P., Jr., to Hughes Aircraft Company. Cadmium sulfide thin film sustained conductivity device with cermet schottky contact. 3,805,128, 4-16-74, Cl. 317-235.0ua.
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Scholle, Karl, to Diehl. Method of connecting wire cables in locking bolts for a track-laying chain. 3,839,773, 10-8-74, Cl. 29-148.400.
Scholler, Gerhart, to Orenstein & Koppel Aktiengesellschaft. Lifting arrangement for cantilever arms of conveyors. 3,828,913, 8-13-74, Cl. 198-9.000.
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Scholz, Donald T., to Polaroid Corporation. Multipurpose, audio-visual cassette system. 3,848,977, 11-19-74, Cl. 352-14.000.
Scholz, Donald T., to Polaroid Corporation. Multipurpose audio-visual cassette with isolation loop. 3,850,512, 11-26-74, Cl. 352-14.000.
Scholz, Hans, to English Electric Valve Company, Limited. Camera tube convertible from integral mesh to separate mesh type. 3,813,572, 5-28-74, Cl. 315-3.000.
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Scholz, Joerg, to Rexroth, G. L., GmbH. Hydraulic vane machine with controlled vanes. 3,813,194, 5-28-74, Cl. 418-82.000.
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Scholz, Ray John; and Fuller, Thomas Patrick, to Printex Concrete Products, mesne. Textured concrete mold construction for vertically pouring concrete slabs. 3,843,089, 10-22-74, Cl. 249-158.000.
Scholz, Robert H. Combine control. 3,827,442, 8-6-74, Cl. 130-24.000.
Scholz, Werner, to TED Bildplatten Aktiengesellschaft AEG-Telefunken-Teldec. Circuit for producing a three line sequential color television signal. 3,786,178, 1-15-74, Cl. 178-5.4cd.
Scholz, Werner, to TED Bildplatten Aktiengesellschaft. Playback circuit for a three line sequential color television signal. 3,808,359, 4-30-74, Cl. 178-5.4cd.
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Schon, Nikolaus; Pampus, Gottfried; and Witte, Josef, to Bayer Aktiengesellschaft. Process for the preparation of trans-polypentenamer. 3,790,546, 2-5-74, Cl. 260-93.100.
Schon, Nikolaus; Pampus, Gottfried; Witte, Josef; and Theisen, Dieter, to Bayer Aktiengesellschaft. Preparation of polyalkenamers. 3,817,964, 6-18-74, Cl. 260-93.100.
Schon, Nikolaus; Schnoring, Hildegard; and Pampus, Gottfried, to Bayer Aktiengesellschaft. Process for embedding or enveloping solid materials. 3,854,981, 12-17-74, Cl. 117-62.100.
Schon, Nutrizio Maria; and Abate, Loris. Neck-tie or the like and method of manufacture thereof. 3,824,627, 7-23-74, Cl. 2-146.000.
Schon, Rudolf, to SKF Kugellagerfabriken GmbH. Apparatus for the spindleless spinning of textile fibers. 3,789,597, 2-5-74, Cl. 57-58.890.
Schon, Volker; Walter, Bernd R.; and Zipperling, Peter, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Device for securing flexible fuel tanks in an aircraft. 3,843,078, 10-22-74, Cl. 244-135.00b.
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Schorr, Manfred; Durchkeimer, Walter; Behrendt, Lothar; and Duwel, Dieter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Phenylene-bis-dithiocarbamic acid esters. 3,812,131, 5-21-74, Cl. 260-283.00s.
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Schott, Lawrence A. Pontoon boat. 3,857,352, 12-31-74, Cl. 114-61.000.
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Schoumaker, Henry R. P. J., to La Soudure Electrique Autogene. Method of generating and coating with an elongated plasma curtain. 3,796,591, 3-12-74, Cl. 117-93.1pf.
Schouteeten, Robert Andre Gustave; and Biais, Andre Julien Augoste Fernand, to Graco, Inc. Pumps and painting installations. 3,816,028, 6-11-74, Cl. 417-214.000.
Schrade, Gerhard. Attachment for ventilating shafts or the like. 3,826,181, 7-30-74, Cl. 98-66.000.
Schrader, Carl N., Jr., to Rockwell International Corporation. Adjustable casting pattern. 3,830,285, 8-20-74, Cl. 164-249.000.
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Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, to Bayer Aktiengesellschaft. Phosphoro-amido-thioates. 3,787,538, 1-22-74, Cl. 260-954.000.
Schrader, Gerhard; Eue, Ludwig; Hack, Helmuth; Hirane, Seiichi; Aya, Masahiro; Kishino, Shigeo; and Fukazawa, Nobuo, to Bayer Aktiengesellschaft. N-Isopropyl-phosphoro-amido-thioates. 3,796,560, 3-12-74, Cl. 71-87.000.
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Schrader, Gerhard; and Hammann, Ingeborg, to Bayer Aktiengesellschaft. O-alkyl-O-[3- (n-alkyl-carbamoyl)-benzaldoximc)-(thiono) (thiol)phosphoric (phosphonic) acid esters. 3,846,514, 11-5-74, Cl. 260-938.000.
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Schrader, Victor H.; Polney, Richard J.; and Vermilyea, Peter W., to Enterprise Machine and Development Corporation. Programmer for air jet texturing apparatus. 3,835,511, 9-17-74, Cl. 28-1.400.
Schrader, William P., to Cleasby Mfg. Co., Inc. Melting kettle and apparatus and method for eliminating objectionable emissions therefrom. 3,804,079, 4-16-74, Cl. 126-343.50a.
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Schrading, Mark S.; and Arps, Marion T., to Kimberly-Clark Corporation. Surgical towel. 3,783,862, 1-8-74, Cl. 128-132.00d.
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Schreiber, Chaim Samuel. Kitchen cabinets. 3,784,272, 1-8-74, Cl. 312-245.000.
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Schreiner, Heinz R.; Hamilton, Robert W.; and Francis, Arthur W., to Union Carbide Corporation. Diving gas mixtures and method of deep diving. 3,815,591, 6-11-74, Cl. 128-142.000.
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Schreiner, Siegfried; Lukas, Siegmar; and Poschmann, Franz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Stabilized sodium dithionite compositions. 3,819,807, 6-25-74, Cl. 423-265.000.
Schrempp, Klaus, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the production of easily laked azo pigments. 3,841,889, 10-15-74, Cl. 106-289.000.
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Schrenk, Walter J.; Chisholm, Douglas S.; Cleereman, Kenneth J.; and Turner, Alfrey, Jr., to Dow Chemical Company, The. Multilayer plastic articles. 3,801,429, 4-2-74, Cl. 161-181.000.
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Schreter, Robert E., to Hauck Manufacturing Company. Industrial pollution control systems and components thereof. 3,840,326, 10-8-74, Cl. 431-114.000.
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Schreyer, Kenneth D.; and Manney, Charles J., to Columbus McKinnon Corporation. Load chain loose end stop. 3,810,359, 5-14-74, Cl. 59-93.000.
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Schroder, Johann, to U.S. Philips Corporation. Arrangement for regulating supply of heat from a heat accumulating device. 3,823,305, 7-9-74, Cl. 219-365.000.
Schroder, Johann, to U.S. Philips Corporation. Heat accumulator. 3,845,625, 11-5-74, Cl. 60-524.000.
Schroder, Josef, to Fecken-Kirfel KG Maschinenfabrik. Apparatus for the template cutting of workpieces. 3,800,650, 4-2-74, Cl. 83-789.000.
Schroder, Ludwig; Thomas, Klaus; and Goeth, Hanns, to Boehringer Ingelheim GmbH. (5-Nitro-2-furyl)-pyridines. 3,829,426, 8-13-74, Cl. 260-297.00z.
Schroder, Paul; and Pollkotter, Gunter, to Leifeld & Co. Method and apparatus for producing dish-shaped articles. 3,823,591, 7-16-74, Cl. 72-85.000.
Schroder, Paul B.; and Pollkotter, Gunter, to Liefeld & Co. Method for producing rims. 3,846,886, 11-12-74, Cl. 29-159.100.
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Schroeder, Charles F., to Owens-Corning Fiberglas Corporation. Method of making woven sheet for rubber reinforcement. 3,855,678, 12-24-74, Cl. 28-74.00r.
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Schroeder, Donald E., to Marathon Oil Company. High water content micellar solution containing thickeners. 3,827,496, 8-6-74, Cl. 166-273.000.
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Schroeder, Henry Charles, to Bell Telephone Laboratories, Incorporated. Parallel data scrambler. 3,784,743, 1-8-74, Cl. 178-22.000.
Schroeder, Herbert H., to Minnesota Mining and Manufacturing Company. Solid propellant compositions containing lithium passivated by a coating of polyethylene. 3,788,906, 1-29-74, Cl. 149-6.000.
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Schroeder, Lloyd A., to Automotive Pattern Co. EDM electrode construction and method of making same. 3,783,224, 1-1-74, Cl. 219-69.00e.
Schroeder, Peter Wayne. Safe-pac credit card envelope. 3,838,808, 10-1-74, Cl. 229-72.000.
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Schroll, Craig R., to United Aircraft Corporation. Liquid electrolyte fuel cell with gas seal. 3,855,002, 12-17-74, Cl. 136-86.00r.
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Schroter, Hans O. Variable ratio brake operating lever. 3,810,400, 5-14-74, Cl. 74-518.000.
Schroter, Hans-Jurgen; Juntgen, Harald; Zundorf, Dieter; and Knoblauch, Karl, to Bergwerksverband GmbH. Process for retarding flowing radioactive noble gases. 3,803,802, 4-16-74, Cl. 55-66.000.
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Schubach, Theodor C., to Rohr Industries, Inc. Method of assembling a vehicle roof and sidewall on a completed base by external joint structures. 3,827,137, 8-6-74, Cl. 29-469.000.
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Schubeck, Phillip A., to Ford Motor Company. EGR enrichment valve. 3,800,766, 4-2-74, Cl. 123-119.00a.
Schubel, Hans; Janssen, Paul; and Ratz, Heinz, to Dynamit Nobel Aktiengesellschaft. Optical antipodes D- and L-N-benzoyl-3,4-dihydroxy-phenylalanine and a process for their preparation. 3,794,655, 2-26-74, Cl. 260-284.000.
Schubel, Hans; Janssen, Paul; and Ratz, Heinz, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of pure L-N-B enzoyl-4-dihydroxyphenylalanine. 3,796,750, 3-12-74, Cl. 260-519.000.
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Schubert, Bernhard; and Blidung, Otto, to Hauni-Werke Korber & Co. K.G. Method and machine for the production of composite filter mouthpiece. 3,834,285, 9-10-74, Cl. 93-1.00c.
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Schubert, Wilfried, to National Advertising Company. Hanging device for display elements on changeable copyboards. 3,831,895, 8-27-74, Cl. 248-475.00r.
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Schule, Albert. In-line check valve. 3,838,708, 10-1-74, Cl. 137-516.110.
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Harmon, James E.; and Zeamer, Aaron C., 3,847,264.
Hasman, John Michael; and Zielinski, Richard Joseph, 3,796,816.
Hedman, Clarence L., Jr.; and Vartanian, Perry H., Jr., 3,813,145.
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Vartanian, Perry H., Jr.; Markaris, Michael J.; and Anderson, Carl P., 3,788,441.
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Scofield, Bruce A., to International Harvester Company. Switching circuitry for sequential fuel injection. 3,820,198, 6-28-74, Cl. 123-32.0ea.

Scofield, Bruce A., to International Harvester Company. Synchronizing means for sequential fuel injection. 3,855,973, 12-24-74, Cl. 123-32.0ea.

Scoggin, Jack S., to Phillips Petroleum Company. Alkali metal sulfide-arylene sulfide polymer. 3,786,035, 1-15-74, Cl. 260-79.100.

Scoggin, Jack S., to Phillips Petroleum Company. Controlled curing PF poly(arylene sulfide) resins. 3,793,256, 2-19-74, Cl. 260-79.000.

Scoggin, Jack S., to Phillips Petroleum Company. Solvent removal from poly(arylene sulfide) reaction slurry. 3,800,845, 4-2-74, Cl. 159-47.000.

Scoggin, John K.: *See—*
Hyson, Archibald M.; and Scoggin, John K., 3,832,468.

Scoggins, Lacey E., to Phillips Petroleum Company. Poly(arylene sulfide) resin heat treatment and curing. 3,839,301, 10-1-74, Cl. 260-79.000.

Scolastico, Carlo: *See—*
De Marchi, Giovanni; and Scolastico, Carlo, 3,799,955.

Scolatti, Charles A.: *See—*
Von Ohain, Hans J. P.; Mills, Roscoe H.; and Scolatti, Charles A., 3,785,593.

Scooter Ski Limited: *See—*
Jones, Dennis L., 3,827,392.

Scopa, Paul P.; and Kelman, Naomi S. Educational device. 3,824,706, 7-23-74, Cl. 35-9.00c.

Scopacasa, Frederick L. Electric level. 3,786,472, 1-15-74, Cl. 340-282.000.

Scope Incorporated: *See—*
Brodes, Donald L.; and Hitchcock, Myron H., 3,812,291.
Brown, Gene T.; and Whiting, John V., 3,826,986.
Daly, John Patrick, 3,784,765.

Scordato, Emil A.; and Strobel, William C., to Medical Laboratory Automation, Inc. Pipettes. 3,853,012, 12-10-74, Cl. 73-425.600.

Scordato, Emil A.; and Cohen, Jules Barry, to Automation, Inc. Pipette tip package. 3,853,217, 12-10-74, Cl. 206-223.000.

Scorecard Promotions, Inc.: *See—*
Klupt, Carle D., 3,853,741.

Scorpion, Inc.: *See—*
Irvine, Gerald D., 3,800,897.

Scot Meat Products Limited: *See—*
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Scotese, Anthony C.: *See—*
Santilli, Arthur A.; Scotese, Anthony C.; and Bell, Stanley C., 3,794,663.
Santilli, Arthur A.; Scotese, Anthony C.; and Tomarelli, Rudolph M., 3,814,761.
Santilli, Arthur A.; Scotese, Anthony C.; and Bell, Stanley C., 3,816,430.
Santilli, Arthur A.; Scotese, Anthony C.; and Kim, Dong H., 3,836,532.
Santilli, Arthur A.; and Scotese, Anthony C., 3,853,864.

Scotoni, Ralph, Jr.: *See—*
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Scott & Fetzer Company, The: *See—*
Burgoon, Jack L., 3,822,436.
Edwards, James D., 3,786,208.
Edwards, James D., 3,845,256.
Horrocks, Raymond G., 3,831,274.
James, Randall V., 3,797,621.
MacFarland, Charles H., 3,781,941.
MacFarland, Charles H.; and Papp, Alexander A., 3,789,449.
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MacFarland, Charles H., 3,797,064.
MacFarland, Charles H., 3,825,972.

Scott & Williams, Inc.: *See—*
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Scott, Alan: *See—*
Kukes, Charles E.; Volheim, Richard H.; and Erikson, Carl, 3,786,994.

Scott, Allan W., to Varian Associates. Periodic magnetically focused beam tube. 3,787,747, 1-22-74, Cl. 315-3.500.

Scott, Allan W., to Varian Associates. Apparatus for increasing RF conversion efficiency of a traveling wave tube. 3,809,949, 5-7-74, Cl. 315-3.500.

Scott, Allan W., to Varian Associates. Dual mode TWT for low power CW and high power pulsed operation. 3,812,395, 5-21-74, Cl. 315-3.600.

Scott, Allen R.: *See—*
Blower, Warren A.; and Scott, Allen R., 3,850,265.

Scott, Alwyn C., to Wisconsin Alumni Research Foundation. Multimode oscillators for pattern recognition. 3,822,381, 7-2-74, Cl. 250-209.000.

Scott and Fetzer Company; d/b/a Lakewood Industries, division of Scott and Fetzer Co.: *See—*
Schubeck, Joseph J., 3,841,290.

Scott, Arthur A., to Eaton Corporation. Dual function thermal valve. 3,812,832, 5-28-74, Cl. 123-119.00a.

Scott, Arthur Leslie; Parsons, J. Hilton, Jr.; and Hammond, John S., to Shakespeare Company. Hank forming machine for a pole construction and a method of forming a pole. 3,787,268, 1-22-74, Cl. 156-425.000.

Scott Bonnar Limited: *See—*
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Scott, Carl W.: *See—*
Fitzgerald, Mack A., Jr.; Scott, Carl W.; and Scott, Carl W., Jr., 3,840,935.

Scott, Carl W., Jr.: *See—*
Fitzgerald, Mack A., Jr.; Scott, Carl W.; and Scott, Carl W., Jr., 3,840,935.

Scott, Charles D.: *See—*
Anderson, Norman G.; Burtis, Carl A.; Johnson, Wayne F.; Mailen, James C.; and Scott, Charles D., 3,798,459.

Scott, Charles D.; and Collins, Eddie L., to United States of America, Atomic Energy Commission. Portable dynamic multistation photometer-fluorometer. 3,800,161, 3-26-74, Cl. 250-564.000.

Scott, Charles D., to United States of America, Atomic Energy Commission. Rotor for fluorometric measurements in fast analyzer of rotary. 3,804,533, 4-16-74, Cl. 356-197.000.

Scott, Charles D., to United States of America, Atomic Energy Commission. Impregnated chemical separation particles. 3,827,989, 8-6-74, Cl. 260-2.10e.

Scott, Charles D.; and Pitt, W. Wilson, Jr., to United States of America, Atomic Energy Commission. Differential chromatographic method. 3,847,550, 11-12-74, Cl. 23-230.00b.

Scott, Charles E., to Mallory, P. R., & Co., Inc. Solid-state timer switch providing AC power to a load for a predetermined time after a main source of power is removed. 3,846,648, 11-5-74, Cl. 307-293.000.

Scott, Charles G. Window construction with easily removable sashes. 3,805,452, 4-23-74, Cl. 49-454.000.

Scott, Charles Hamilton. Keypunch acoustic cover. 3,785,452, 1-15-74, Cl. 181-33.00k.

Scott, Charles J., to Samsonite Corporation. Orientation sensitive luggage latch. 3,828,899, 8-13-74, Cl. 190-41.00r.

Scott, Charles M., to United States of America, Health, Education and welfare. Hydraulic flexion control device. 3,799,159, 3-26-74, Cl. 128-80.00c.

Scott, Clarence A., Jr., to Beneficial Insect Control, Inc. Method of raising and handling wasps. 3,786,594, 1-22-74, Cl. 43-124.000.

Scott, Dale K.: *See—*
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Scott, Daniel G., to Westinghouse Air Brake Company. Ball type brake cylinder retainer valve. 3,794,071, 2-26-74, Cl. 137-599.200.

Scott, David B.: *See—*
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Scott, David Bradshaw, to Stanley Tools Limited. Cutting and/or abrading tool. 3,829,942, 8-20-74, Cl. 29-78.000.

Scott, David Evarts; and Scott, Rae Nell. Protective cover for motor vehicle gear shift assembly lever. 3,817,119, 6-18-74, Cl. 74-563.000.

Scott, David H., mesne: *See—*
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Glidden, Roger C., 3,800,096.

Scott, David J., to Air Products and Chemicals, Inc. Apparatus and method for producing gaseous moisture calibration standards. 3,804,595, 4-16-74, Cl. 23-288.00j.

Scott, David Richard Howard: *See—*
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Scott, Dellie J., 50% to Peterson, J. L. Jack device for tractors and the like. 3,782,688, 1-1-74, Cl. 254-2.00r.

Scott, Donald C., deceased (by Jarrett, E. K.; administrator), to Clayton Specialties, Inc. Method and apparatus for cleaning rod conveyors. 3,841,469, 10-15-74, Cl. 198-229.000.

Scott, Douglas R., to Robertshaw Controls Company. Pneumatic control system for a fuel burning apparatus or the like. 3,829,011, 8-13-74, Cl. 236-82.000.

Scott Environmental Technology, Inc.: *See—*
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Scott, Eugene W., to Westinghouse Electric Corporation. Overflow control dashpot-type float for a dishwasher switch assembly. 3,829,636, 8-13-74, Cl. 200-34.000.

Scott, Frederick, to Hille International Limited. Folding chairs. 3,857,604, 12-31-74, Cl. 297-16.000.

Scott, Frederick M., to AMF Incorporated. Bailer for boats. 3,830,185, 8-20-74, Cl. 114-183.00r.

Scott, Frederick P., to King Laboratories, Inc. Material for producing a metallic coating on the inner surfaces of a cathode ray tube. 3,826,645, 730-74, Cl. 75-.50r.

Scott, Fremont L.: *See—*
Althouse, Harlan E.; Scott, Fremont L.; and Cole, Gordon E., Jr., 3,847,654.

Scott, Gene E. PBX automaticoperator recall accessory. 3,833,768, 9-3-74, Cl. 179-42.000.

Scott, Gene W. Bearing seal. 3,794,392, 2-26-74, Cl. 308-36.100.

Scott, George William Pearson; and Lloyd, Kenneth Henry, to Severn Pumps Limited. Pumps. 3,818,803, 6-25-74, Cl. 91-499.000.

Scott, Gini. Sphere and pins assembly puzzle. 3,813,099, 5-28-74, Cl. 273-156.000.

Scott, Glenn A.: *See—*
Dirks, Gerhard H.; Dirks, Wolfgang G.; Miller, Delroy E.; and Scott, Glenn A., 3,839,664.

Scott, Graham Robin, to Masson Scott Thrissell Engineering Limited. Web tension control apparatus. 3,782,653, 1-1-74, Cl. 242-75.430.

Scott, Harold W.; and Eversole, Russell A., to Basic Sciences, Inc. Distilling sea water diffused through a membrane. 3,841,976, 10-15-74, Cl. 202-236.000.

Scott, Hollis C., to Western Wood Structures, Inc. Dome joint. 3,810,342, 5-14-74, Cl. 52-758.00r.

Scott, Ian J. C.: *See—*
Carter, Ivor W.; and Scott, Ian J. C., 3,788,290.
Meyer, Earl W., Jr.; Carter, Ivor W.; and Scott, Ian J. C., 3,789,168.

Scott, Ian J. C., to Chrysler Corporation. Distributor cap electrode and cable termination. 3,789,349, 1-29-74, Cl. 339-223.00s.

Scott, Irvin C., Jr.; and Swenck, George F., to Reynolds Metals Company. Ball bat system. 3,841,130, 10-15-74, Cl. 72-70.000.

Scott, Jack T.; and Browne, William H., to Scott-Browne Corporation. Method of fabricating, using and reconditioning apparatus for forming optical quality articles from molten glass and forming elements for use therein. 3,792,986, 2-19-74, Cl. 65-27.000.

Scott, James E., Jr.; and Woodward, Ernest Ray, to Pacific Resins & Chemicals, Inc. Phenolic resin-containing cellulosic overlays for woody substrates. 3,856,616, 12-24-74, Cl. 162-165.000.

Scott, James Edwin, Jr.: *See—*
Balocca, Alfred Edward; Brincks, Richard Joseph; and Scott, James Edwin, Jr., 3,804,287.

Scott, James F., to Perolin Company, Inc., The. Compositions for inhibiting corrosion and ash deposition in fossil fuel burning equipment. 3,817,722, 6-18-74, Cl. 44-76.000.

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Scott, Jimmie D.: *See—*
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Scott, Jimmie D.; and Smith, Randel P., to Singer Company, The. Adjustable stroke mechanism for tufting machines. 3,839,972, 10-8-74, Cl. 112-79.00r.

Scott, Joe Weldon: *See—*
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Scott, John A.: *See—*
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Thurston, Elvin Frederick William; and Scott, John Gabriel Valentine, 3,856,532.

Scott, John J. Process for the recovery of tantalum and niobium and other metals from tin slag. 3,811,867, 5-21-74, Cl. 75-24.000.

Scott, John J., to Norton Company. Aspirating nozzle with quick change liner. 3,831,857, 8-27-74, Cl. 239-424.000.

Scott, John, Jr.: *See—*
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Scott, John W.: *See—*
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Scott, John William: *See—*
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Furst, Andor; Labler, Ludwig; Meier, Werner; Muller, Peter; Scott, John William; and Widmer, Erich, 3,828,062.
Saucy, Gabriel; and Scott, John William, 3,838,163.

Scott, Joseph James, to Short Brothers and Hailand Limited. Method of and apparatus for locating sheets of open-celled reticular material. 3,796,121, 3-12-74, Cl. 83-451.000.

Scott, Joseph W.: *See—*
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Scott, Kelley E., Jr.; Kemper, Daryl M.; Grove, Lloyd E.; and Kiess, Ronald J., to CTS Corporation. Piezoelectric crystal units with malleable terminals and epoxy-filler sealant. 3,849,681, 11-19-74, Cl. 310-9.100.

Scott, Kenneth, to Thorn Electrical Industries Limited. Vapour discharge lamps. 3,784,863, 1-8-74, Cl. 313-174.000.

Scott, Kenneth J.: *See—*
Manwarren, Thomas E.; and Scott, Kenneth J., 3,845,490.

Scott, Kenneth N.; deceased (by Scott, Joe Weldon; administrator). Programmed audio visual teaching aid. 3,823,637, 7-16-74, Cl. 84-470.000.

Scott, Kenneth Thomas Bartlett: *See—*
Grimes, John Herbert; Scott, Kenneth Thomas Bartlett; and McKenna, Norman James, 3,826,755.

Scott, Kenneth Thomas Bartlett; Grimes, John Herbert; and Ball, Peter William, to United Kingdom Atomic Energy Authority. Processes for extracting metal values from solutions. 3,804,945, 4-16-74, Cl. 423-658.500.

Scott Land Levelers, Inc.: *See—*
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Scott, Larkin B.; and Roth, George, to Perkin-Elmer Corporation, The. Interpolation of sinusoidal signals. 3,798,557, 3-19-74, Cl. 328-133.000.

Scott, Leon S.: *See—*
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Scott, Leonard Frank; Strachan, Howard D.; and McCloskey, Chester M., to Norac Company, Inc., The. Manufacture of metallic soaps. 3,803,188, 4-9-74, Cl. 260-413.000.

Scott, Leonard W., Jr.: *See—*
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Scott, Milford M., Jr.; and Wheeler, Floyd J., Jr., to STP Corporation. Vacuum advance control system. 3,812,831, 5-28-74, Cl. 123-117.00a.

Scott, Milford M., Jr.; and Wheeler, Floyd J., Jr., to STP Corporation. Exhaust gas recirculating valve. 3,844,260, 10-29-74, Cl. 123-119.00a.

Scott, Milton B. Mini-theater. 3,804,504, 4-16-74, Cl. 353-77.000.

Scott, Modesto Ochoa, to Humberto Viadas Enriquez. Hand operated variable speed reducers. 3,828,626, 8-13-74, Cl. 74-689.000.

Scott, Nigil Phillip: *See—*
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Scott, O. M., & Sons Company, The: *See—*
Benedict, Dale Gene; Blasi, Louis Richard; and Wilson, Lowell G., 3,822,655.
Robinson, Donald E., 3,820,312.
Stottlemyer, William E., 3,821,864.
Williams, Marvin E., 3,856,211.
Wittenbrook, Lawrence S.; and Timmons, Richard J., 3,825,551.

Scott, Oscar Thomas; and Setliff, Bennie Smithers, to Huber, J. M., Corporation. Fluidized bed processing of carbon black. 3,831,747, 8-27-74, Cl. 209-11.000.

Scott Paper Company: *See—*
Adams, Whitney R., 3,788,938.
Benz, Charles, 3,817,827.
Buhayar, Eric S., 3,827,545.
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Scott, Peter Michael; and van Walbeek, Wilhelmina, to Canadian Patents and Development Limited. Dihydroisocoumarins. 3,838,171, 9-24-74, Cl. 260-343.20r.
Scott, Rae Nell: *See*—
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Scott, Ray A.; Bossard, Fredrick R.; Strang, Elmer J.; and Mikovits, John L., to Coats & Clark, Inc. Tire changing apparatus. 3,815,653, 6-11-74, Cl. 157-1.240.
Scott, Richard K., to Gould Inc., mesne. Method of making a rotor. 3,802,068, 4-9-74, Cl. 29-598.000.
Scott, Robert B.: *See*—
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Scott, Robert C.; and Flinchum, John A., to Piper Aircraft Corporation. Condenser installation for aircraft air-conditioning system. 3,804,353, 4-16-74, Cl. 244-57.000.
Scott, Robert E. Machine guard. 3,783,709, 1-8-74, Cl. 74-612.000.
Scott, Robert J., to Rival Manufacturing Company. Electric ceramic utensil construction. 3,806,701, 4-23-74, Cl. 219-438.000.
Scott, Roderic M., to Perkin-Elmer Corporation, The. Annular field optical imaging system. 3,821,763, 6-28-74, Cl. 354-94.000.
Scott, Roger M.; and Wesson, Marshall P., to Morgan Construction Company. Method of making a concentric wire rope on a double twist strander. 3,791,131, 2-12-74, Cl. 57-161.000.
Scott, Ronald Wilfred: *See*—
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Scott, Russell F., Jr., to Varian Associates. Vane grid structures and method of making same. 3,832,760, 9-3-74, Cl. 29-25.140.
Scott, Sam C. Inflatable form breaker for molded construction. 3,822,861, 7-9-74, Cl. 254-93.0hp.
Scott, Sam C. Water reservoir liner for concrete forms. 3,844,527, 10-29-74, Cl. 249-189.000.
Scott, Stanley J.; Noroski, William J.; and Rublack, Wilfred D., to General Electric Company. Contrast-enhancing picture tube faceplate and process for producing same. 3,813,568, 5-28-74, Cl. 313-92.00r.
Scott, Theron A.; and Hyde, Walter E., to Halliburton Company. Retrievable fluid control valve and method. 3,847,223, 11-12-74, Cl. 166-305.00r.
Scott, Timothy F.: *See*—
Merrell, Kenneth C.; Scott, Timothy F.; Brushwyler, Gordon R.; Koegel, James H.; and Poindexter, William E., 3,813,325.
Scott, Timothy F.; and Poindexter, William E., to Robertshaw Controls Company. Probe floating device. 3,839,902, 10-8-74, Cl. 73-61.00r.
Scott, Walter P. Method and apparatus for directing a radiation beam toward a tumor or the like. 3,794,840, 2-26-74, Cl. 250-363.000.
Scott, Walter Roy; Scott, David Richard Howard; and Scott, Nigil Phillip, to Airvert Limited. Moulding of metallic articles. 3,844,335, 10-29-74, Cl. 164-265.000.
Scott, Warner Curtis: *See*—
Riseberg, Leslie Allen; and Scott, Warner Curtis, 3,850,503.
Scott, Wilbert Milo. Bolt hold aligner and inserting tool. 3,817,146, 6-18-74, Cl. 85-1.00p.
Scott, William A.: *See*—
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Scott, William B.: *See*—
Kindgren, Lee; and Scott, William B., 3,852,649.
Scott, William B.; and Sawvell, Roger V., to Whitney, W. A., Corporation. Punch press with improved slug handling system. 3,800,643, 4-2-74, Cl. 83-100.000.
Scott, William B.; and Sawvell, Roger V., to Whitney, W. A., Corporation. Punch press with safety door. 3,805,658, 4-23-74, Cl. 83-545.000.
Scott, William B.; and Sawvell, Roger V., to Whitney, W. A., Corporation. Hydraulic punch press with mechanism for adjusting stripper. 3,845,680, 11-5-74, Cl. 83-146.000.
Scott, William J., to Ideal Industries, Inc. Method of making a terminal. 3,828,706, 8-13-74, Cl. 113-119.000.
Scott, William, Jr.: *See*—
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Scott, William M. Cam-actuated magnetic valve. 3,791,620, 2-12-74, Cl. 251-65.000.
Scott, William P.: *See*—
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Scott, William P., to Continental Oil Company. Low-temperature lubricating greases. 3,785,974, 1-15-74, Cl. 252-28.000.
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Scott, William Wayne. Audio visual educational device. 3,803,728, 4-16-74, Cl. 35-8.00a.
Scott, Wray M., III. Golf putter sighting device. 3,810,633, 5-14-74, Cl. 273-183.00d.
Scott, Zephyr: *See*—
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Scotto, Arthur J. Implement for affixing metal pick to flower stem. 3,818,573, 6-25-74, Cl. 29-212.00d.
Scotto, Vincent: *See*—
Westeren, Herbert W.; Vanderford, Wallace S., Jr.; Diman, William C.; and Scotto, Vincent, 3,782,705.
Westeren, Herbert W.; Taft, Donald A.; Scotto, Vincent; and Gronquist, Ernest C., Jr., 3,796,615.
Scoubis, John A., to Admiral Corporation. Emitter coupled sync separator. 3,858,003, 12-31-74, Cl. 178-7.30s.
Scovill Manufacturing Company: *See*—
Ackermann, Walter Thomas, 3,827,085.
Daddona, Domenic John, Jr., 3,815,183.
Flowers, Theodore Robert, 3,820,259.
Kruger, James; and LePage, Gerard T., 3,826,118.
Kruger, James Brompton; and Cooper, Joseph, 3,844,634.
Messenger, William E., 3,782,605.
Mrak, Dusan, 3,803,717.
Shay, Joseph John, 3,795,350.
Wisyanski, Thomas William; and Northrop, Richard Alfred, Jr., 3,790,077.
Scoville, Andrew E.; and Davis, William R., to Stanley Works, The. Automatic door operator. 3,852,592, 12-3-74, Cl. 250-221.000.
Scoville, Chauncey J.: *See*—
Scoville, Wright A.; and Scoville, Chauncey J., 3,855,754.
Scoville, John Tregay, to Gilbert & Barker Manufacturing Company. Computing system. 3,809,866, 5-7-74, Cl. 235-151.340.
Scoville, Wright A.; and Scoville, Chauncey J. Miter joint lock and combination. 3,855,754, 12-24-74, Cl. 52-755.000.
Scovronek, Jacob, to Burroughs Corporation. Gas-filled display device having mercury inlet shield. 3,821,584, 6-28-74, Cl. 313-174.000.
Scowen, Kenneth J.; and Goldbaum, Elliott, to Signal-Stat Corporation. Signal lamp and lens. 3,792,249, 2-12-74, Cl. 240-106.100.
Scozzafava, James Joseph. Combined riser tensioner and drill string heave compensator. 3,785,445, 1-15-74, Cl. 175-5.000.
Scozzafava, Milton V., to Addmaster Corporation. Torque transmission device. 3,842,620, 10-22-74, Cl. 64-30.00c.
SCP-Exploatering AB: *See*—
Mogren, Hakan Lars; Hedenskog, Gudmund Oscar; and Enebo, Lennart Eugen, 3,848,812.
Scraeder, Charles R.; Rea, Samuel N.; Tao, Yung; and Hanna, Elias G., to Texas Instruments, Incorporated. Electronic package header system having omni-directional heat dissipation characteristic. 3,790,859, 2-5-74, Cl. 317-100.000.
Scragg, Ernest, & Sons Limited: *See*—
Ernst, Walter, 3,791,121.
McNeight, David L.; and Morris, William John, 3,827,228.
Waterhouse, George, 3,801,252.
Waterhouse, George, 3,803,675.
Wilmslow, Walter Parker, 3,796,036.
Scragg, William Ewert, to Cadborough Engineering Company Ltd. Effluent treatment. 3,817,848, 6-18-74, Cl. 204-152.000.
Scranton Manufacturing Company, Inc.: *See*—
Wright, Jerry L., 3,843,148.
Scrap Metals, Inc.: *See*—
Davis, Charles M., Jr.; and Fox, Joseph N., 3,814,009.
Screen, Stafford Thomas, to British Castors Limited. Castors. 3,822,437, 7-9-74, Cl. 16-45.000.
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Scribner, Albert W. Stock feeder. 3,847,320, 11-12-74, Cl. 226-115.000.
Scribner, Frank F., to FMC Corporation. Legume harvester with wiped side panels. 3,826,267, 7-30-74, Cl. 130-30.00h.
Scribner, Harry E. Automatic bottle thread inspection apparatus. 3,782,542, 1-1-74, Cl. 209-74.000.
Scrima, Joseph E. Foot conforming insole for a shoe. 3,825,017, 7-23-74, Cl. 128-622.000.
Scrimshaw, Marvin Seymour: *See*—
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Niehaus, William R., 3,857,635.
Scrippe-Clemans, Inc.: *See*—
Butler, Lawrence W.; and Banks, Roger W., 3,819,258.
Scripto, Inc.: *See*—
Cofield, Eugene P., Jr.; and Rowe, Richard G., 3,851,619.
Lockwood, John C., 3,841,517.
Vaughan, Harry L., 3,841,365.
Vaughan, Harry L., 3,841,366.
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Arsura, Emilio; Baruffini, Agostino; Giald, Franco; Pellegrini, Giovanni; Ponci, Riccardo; and Scrivani, Pietro, 3,835,189.
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Scrivner, Michael E.: *See*—
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Scroggs, Dennis I.: *See*—
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Smith, Ian E.; and Scroggs, Dennis I., 3,825,191.
Scrogin, Willard D. Reel. 3,815,842, 6-11-74, Cl. 242-96.000.
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Scruggs, James A.: *See*—
Cianciolo, Alfred D.; Sabatine, Donald J.; Scruggs, James A.; and Trotz, Samuel I., 3,785,890.
Kraus, Theodore C.; Scruggs, James A.; and Trotz, Samuel I., 3,821,360.
Scruggs, James A., to United States of America, Army, mesne. Direct crystallization of aluminum hydride from toluene-ether. 3,801,657, 4-2-74, Cl. 423-645.000.
Scudder, John A., to Chemetron Corporation. Carbon dioxide extruded pellets. 3,835,657, 9-17-74, Cl. 62-35.000.
Scudder, Philmore M.: *See*—
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Sculati, Marvin Americo; and Gaynor, John Cornelius, to Uniroyal, Inc. Apparatus for molding rubber. 3,852,005, 12-3-74, Cl. 425-119.000.
Scull, Herbert M., Jr., to Ethyl Corporation. Production of aluminum. 3,784,372, 1-8-74, Cl. 75-68.00c.
Scull, William L., to Leslie Co. Multiple stage restrictor. 3,856,049, 12-24-74, Cl. 138-42.000.
Scurlock, Arch; Rumbel, Keith E.; and Rice, M. Lee, to Atlantic Research Corporation. Beryllium containing rocket propellants producing maximum boost velocity. 3,821,041, 6-28-74, Cl. 149-19.000.
Scurlock, John T. Inflatable underwater structure. 3,837,171, 9-24-74, Cl. 61-69.00r.
Scurlock, John T. Inflatable safety cushion system for controlled deceleration from falls of great height. 3,851,730, 12-3-74, Cl. 182-137.000.
Scurlock, Ralph Geoffrey, to National Research Development Corporation. Heat-insulating constructions. 3,818,715, 6-25-74, Cl. 62-45.000.
SDF Industrial Trading and Development Company B.V.: *See*—
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Sea Harvest, Inc.: *See*—
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Sea Research Corporation: *See*—
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Gottlieb, Carl R.; and Campbell, Robert N., Jr., 3,829,145.
Parady, Victor G., Jr., 3,824,958.
Shahani, Prakash W., 3,802,357.
Sea-Link Incorporated: *See*—
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Seabase, Paul L., to United States of America, Army. Apparatus for controlling charging of storage batteries with sensing the D.C. of the electrolyte. 3,787,754, 1-22-74, Cl. 320-43.000.
Seabeck, Lee A.: *See*—
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Seaberg, David H., to Case, J. I., Company. Hydraulic leveling circuit for implement. 3,811,587, 5-21-74, Cl. 214-763.000.
Seaberg, David H., to Case, J. I., Company. Method of using a hydraulic leveling circuit on an implement. 3,856,163, 12-24-74, Cl. 214-152.000.
Seaberg, Paul A.; and Heyes, Lester P., to Staley, A. E., Manufacturing Company. Phosphatides. 3,823,170, 7-9-74, Cl. 260-403.000.
Seabourn, Ed O., to Phillips Petroleum Company. Guide base and method for setting same. 3,849,994, 11-26-74, Cl. 61-46.500.
Seabury, Almon D.: *See*—
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Seager, Robert Vincent: *See*—
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Morse, Charles F.; and Seal, Donald G., 3,852,931.
Seal, Inc., mesne: *See*—
Sarcia, Domenico S., 3,840,420.
Seale, Virgil L.: *See*—
Braithwaite, David G.; Johnson, Carl E.; and Seale, Virgil L., 3,810,845.
Seale, Virgil L.; Svarz, Jerry J.; Goretta, Louis A.; Newkirk, John D.; Hunter, Wood E.; and Sibert, Frederick J., to Nalco Chemical Company. Particle size-PH effects on reduced copper oxide in preparation of acrylamide. 3,789,074, 1-29-74, Cl. 260-561.00n
Seale, Virgil L.; Ries, Donald G.; and Svarz, Jerry J., to Nalco Chemical Company. Reduction of copper oxide with palladium. 3,791,991, 2-12-74, Cl. 252-447.000.
Sealectro Corporation: *See*—
Brishka, Alexander R., 3,782,840.
Laserson, Gregory L.; Feinman, Harvey; Stand, Mille; Glatzer, Stephen G.; and Scappatura, Rocco, 3,790,727.
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Sealed Power Corporation: *See*—
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Kueny, Kenneth E., 3,850,583.
Maskell, John S.; and Dykehouse, Roger D., 3,813,755.
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Seales, Allan, to Signetics Corporation. Semiconductor structure with sloped side walls and method. 3,842,490, 10-22-74, Cl. 29-578.000.
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Geffroy, Robert, 3,831,952.
Geffroy, Robert, 3,840,182.
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Johnson, Norman Elton; and Trimble, Edward Francis, 3,802,322.
Kirker, Alton Everett, Jr., 3,841,642.
Seals, William O., to United States of America, Army. Pressure sensitive mine insensitive to water deactivation. 3,786,751, 1-22-74, Cl. 102-8.000.
Sealy, Incorporated: *See*—
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Roe, Richard C.; 3,827,090.
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Seaman, Herbert S. Total stopping distance indicator. 3,850,041, 11-26-74, Cl. 73-495.000.
Seaman, Jack L., to General Motors Corporation. Part throttle adjustment. 3,852,383, 12-3-74, Cl. 261-69.00r.
Seaman, John A., Jr. Christmas tree holder. 3,838,838, 10-1-74, Cl. 248-44.000.
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Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., 3,849,470.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., 3,850,927.
Cresswell, Ronald M.; Mentha, John W.; and Seaman, Russell L., 3,852,276.
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Seaman, William; and Stewart, David, Jr., to American Cyanamid Company. Process for improving hydrogenation catalyst by irradiation. 3,803,010, 4-9-74, Cl. 204-157.10h.
Seaquist Valve Company: *See*—
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Hoening, Kevin J., 3,785,571.
Searborn, Paul E., to Mead Corporation, The. Binder fixture. 3,833,308, 9-3-74, Cl. 402-56.000.
Searcy, Durward F.: *See*—
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Searcy, James A.; and Rasch, Milton A., to Hussmann Refrigerator Co. Air door for cooler or the like. 3,817,160, 6-18-74, Cl. 98-36.000.

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Seargy, Ronald L.; and Kocka, Frank E., to Searle, G. D., & Co. Inhibition of anti-bacterial action of blood. 3,803,000, 4-9-74, Cl. 195-100.000.

Searight, Charles E.; Ryan, John R.; and Brasfield, Steven H., to Cataphote Corporation. Method of increasing chemical durability of glass. 3,816,107, 6-11-74, Cl. 65-30.000.

Searight, Charles E.; Brasfield, Steven H., Sr.; and McCraney, Thomas E., to Ferro Corporation, mesne. Reflex-reflecting compositions containing glass beads and non-metallic flake pigments. 3,835,087, 9-10-74, Cl. 260-33.60r.

Searight, Edward F.: *See—*
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Searight, Edward F.; and Brosens, Pierre J., to Thermo Electron Corporation. Jet impingement fin coil. 3,804,159, 4-16-74, Cl. 165-109.000.

Searing, Harvey R.: *See—*
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Searle, Edwin Herbert: *See—*
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Baran, John S.; and Pitzele, Barnett S., 3,812,097.
Baran, John S.; and Pitzele, Barnett, 3,832,382.
Baran, John Stanislaus; and Langford, Donna, 3,818,080.
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Brown, Edward A., 3,855,207.
Burgess, John E.; Dieball, Kenneth C.; and Obrycki, Raymond F., 3,855,473.
Cammarata, Peter S., 3,852,413.
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Searle, John Gilbert; and Hunt, David John, to Allwood, Searle & Timney (Holdings) Limited. Friction welding apparatus. 3,840,168, 10-8-74, Cl. 228-2.000.

Searle Medidata Inc.: *See—*
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Winchester, John E.; and Rawson, Edward B., 3,815,100.
Worthington, Harvey R., Jr.; Rawson, Edward B.; and Schwarzkopf, Daniel, 3,825,730.

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Sears, Howard V. Method and apparatus for determination of ore sampling location. 3,817,336, 6-18-74, Cl. 175-61.000.

Sears, James H.; and Jones, Bernard H., to Owens-Corning Fiberglas Corporation. Apparatus for packaging strand. 3,801,032, 4-2-74, Cl. 242-43.000.

Sears, James H.; and Jones, Bernard H., to Owens-Corning Fiberglas Corporation. Level sensing apparatus. 3,826,276, 7-30-74, Cl. 137-389.000.

Sears, James H.; and Vucish, Paul M., to Owens-Corning Fiberglas Corporation. Apparatus for severing linear elements. 3,844,191, 10-29-74, Cl. 83-420.000.

Sears, Karl David, to International Telephone and Telegraph Corporation. Etherification of bark extracts and condensed tannins. 3,856,845, 12-24-74, Cl. 260-465.900.

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Seavey, Robert W. Feed and trim apparatus. 3,833,979, 9-10-74, Cl. 29-27.00c.

Seawell Enterprises, Inc., mesne: *See—*
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Seay, Samuel D., to Kaman Aerospace Corporation. Monorail traverse system. 3,830,452, 8-20-74, Cl. 244-116.000.

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Sebastian, Anthony, to Mallet & Co., Inc. Automatic machine for greasing bakery pans and depositing batter therein. 3,830,608, 8-20-74, Cl. 425-103.000.

Sebec Societe d'Exploitation de Brevets d'Emballage Cosmetique S.A.: *See—*
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Sebenik, Roger F.; and Gernand, Martin O., to Esso Research and Engineering Company. Promoted iron ore reduction process. 3,823,011, 7-9-74, Cl. 75-26.000.

Sebens, Carl R.; and Russo, Albert J., to Perkin-Elmer Corporation, The. Safety interlock for burners. 3,817,693, 6-18-74, Cl. 431-153.000.

Seberini, Febo; Valvassori, Alberto; Tavazzani, Carlo; and Pagliari, Alberto, to Montecatini Edison S.p.A. Process for preparing impact-resistant polymeric compositions containing graft copolymers. 3,849,518, 11-19-74, Cl. 260-878.00r.

Sebeson, John Michael: *See—*
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Sebesta, Gunter; and Jordan, Dieter, to Westinghouse Bremsen- und Apparatebau GmbH. Hydraulic pressure control valve. 3,805,674, 4-23-74, Cl. 91-461.000.

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Sebia S. A. Holding: *See—*
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Sebille, Christian A.; and Prugnaud, Claude J. P., to S. A. dite Ethylene Plastique and S. A. dite Comsip Automation. Module for use with systems handling multiple automatic functions. 3,824,435, 7-16-74, Cl. 317-157.000.

Sebilleau, Roger V.; and Eklund, Kurt I. Collapsible structure for a shelving arrangement. 3,797,671, 3-19-74, Cl. 211-176.000.

Sebilleau, Roger V.; and Eklund, Kurt I. Wood and metal pallet. 3,855,945, 12-24-74, Cl. 108-57.000.

Seborg, Earnest Y.; and Wanke, Harold R., to Greenlee Bros. & Company. Clamping frame for plastic sheet material. 3,827,683, 8-6-74, Cl. 269-9.000.

Sebring, Burr, to Gorham; a division of Textron Inc. Method of mounting a handle to a vessel. 3,846,902, 11-12-74, Cl. 29-458.000.

Sebring, John G.; and Downs, Thomas C., to General Motors Corporation. Oil seal arrangement for rotary engine. 3,784,337, 1-8-74, Cl. 418-142.000.

Sebulke, Johannes, to DEMAG Aktiengesellschaft. Cone friction brake. 3,822,768, 7-9-74, Cl. 188-70.00r.

Sebulsky, Raynor T.: *See—*
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Sech, Charles E., to West Chemical Products, Inc. Reciprocating pump and intake valve means therefor. 3,806,285, 4-23-74, Cl. 417-568.000.

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Seckerson, Clifford Alexander, to TRW Inc. Threaded bolt and mounting therefor. 3,782,437, 1-1-74, Cl. 151-49.000.

Seckerson, Clifford Alexander; deceased (by Seckerson, Teresa Agnes; and Seckerson, Michael Alexander; legal representatives); and Barnett, Barry Roger Michael, to TRW Inc. Door catch. 3,806,170, 4-23-74, Cl. 292-19.000.

Seckerson, Clifford Alexander, deceased (by Seckerson, Teresa Agnes; and Seckerson, Michael Alexander; legal representative), to TRW Inc. Fastener. 3,807,675, 4-30-74, Cl. 248-73.000.

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Seckinger, karl, to Sandoz Ltd. Hexahydro-1,3,5-triazine-2,4-diones. 3,835,133, 9-10-74, Cl. 260-248.0ns.

Seckler, David; and Porat, David, to Sterling Square Sprinkler Company, Inc. Irrigation apparatus. 3,802,627, 4-9-74, Cl. 239-212.000.

Seco Manufacturing, Inc.: *See—*
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Seco Maschinenbau GmbH & Co. KG: *See—*
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Secola, Anthony J., to Chrysler Corporation. Bearing assembly. 3,797,900, 3-19-74, Cl. 308-236.000.

Secondary Processing Systems, Inc.: *See—*
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Sedebrenny, Valery Germanovich: *See—*
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Sedgewick, Richard Duane. Process of winding cores. 3,811,629, 5-21-74, Cl. 242-4.00a.

Sedgwick, Alan Fred: *See—*
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Sedin, James W., to Ryka Scientific, Inc. F.M. transmitter employing magnetically modulated ferrimagnetic resonator. 3,787,772, 1-22-74, Cl. 325-171.000.

Sedin, James W., to Varian Associates, mesne. Tunable resonant circuits employing ferrimagnetic bodies controlled by common (main) and noncommon (auxiliary) magnetic fluids. 3,839,677, 10-1-74, Cl. 325-446.000.

Sedlacek, William S., to Reliable Electric Company. Clip terminal and applicator tool combination. 3,848,954, 11-19-74, Cl. 339-97.00r.

Sedlak, Michael: *See—*
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Sedlatschek, Karl; Heitzinger, Friedrich; Beyer, Horst; and Buran, Ulrich, to Schwarkzkopf Development Corporation. Metals having wear-resistant surfaces and their fabrication. 3,844,729, 10-29-74, Cl. 29-195.000.

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See, Jacques Leon Alexandre, to Royalty S.A. Flexible structure for ski tracks and the like. 3,809,391, 5-7-74, Cl. 272-56.5ss.

See, Robert B.; deceased (Baird, Raymond C., Jr.), See, Dorothy K.,dministratrix of said See, Robert B.; deceased, and said Baird asso. to Alfred, Barbara R. (See): trustee. Ventable sealed container. 3,797,694, 3-19-74, Cl. 220-44.00r.

Seebald, Francis Warren. Portable utility device for fluid processing of deleterious material. 3,817,194, 6-18-74, Cl. 111-7.100.

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Seedorf, Robert R., to Moffitt, Roy W., Company, The. Multi-station printing system. 3,848,528, 11-19-74, Cl. 101-115.000.

Seeff, Morris. Cladding sheets. 3,824,664, 7-23-74, Cl. 29-180.0ss.

Seefluth, Charles L., to Phillips Petroleum Company. Bead seal for oriented articles. 3,817,676, 6-18-74, Cl. 425-387.00b.

Seefluth, Charles L., to Phillips Petroleum Company. Metal neck forming plug having polytetrafluorethylene shoulder. 3,817,677, 6-18-74, Cl. 425-393.000.

Seefluth, Charles L., to Phillips Petroleum Company. Delayed venting in production of oriented hollow articles. 3,848,036, 11-12-74, Cl. 264-40.000.

Seeger, Ernst; Kahling, Joachim; and Encel, Wolfhard, to Boehringer Ingelheim GmbH. 4-Hydroxy-1-phenyl-2-pyrrolidino-pentane and salts thereof. 3,801,592, 4-2-74, Cl. 260-326.50r.

Seeger, Ernst; Engel, Wolfhard; Teufel, Helmut; and Engelhardt, Gunther, to Boehringer Ingelheim GmbH. 4-(4)-Biphenylyl)-1-butanol. 3,801,654, 4-2-74, Cl. 260-618.000.

Seeger, Ernst; Engel, Wolfhard; Tuegel, Helmut; and Engelhardt, Gunther, to Boehringer Ingelheim GmbH. Antiphlogistic pharmaceutical compositions containing 4-(4-biphenylyl)-1-butanol and method of use. 3,857,958, 12-31-74, Cl. 424-343.000.

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Seeger, Richard E., Jr.; and Coulter, John G., to Chomerics, Inc. Multi-output level keyboard switch assembly with improved operator and contact structure. 3,789,167, 1-29-74, Cl. 200-5.00a.

Seeger, Richard E., Jr.; and Coulter, John G., to Chomerics, Inc. Linear cam slide switch with guide means and conductive sheet contact. 3,806,685, 4-23-74, Cl. 200-153.01a.

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Seegers, Constant Petrus Albertus. Accessory for knitting machines. 3,805,557, 4-23-74, Cl. 66-147.000.

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Seegmiller, David W.; and King, Lowell A. Electrochemical cell with aluminum electrodes and different electrolyte concentration in two compartments. 3,787,242, 1-22-74, Cl. 136-83.00e.

Seel, Jerry Eslie. Heating element support. 3,835,435, 9-10-74, Cl. 338-280.000.

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Seeley, Wayne C. Splint. 3,850,167, 11-26-74, Cl. 128-87.00r.

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Seely, Robert W.; and Batson, William A., to Singer, Company, The. Collet for a power tool. 3,811,361, 5-21-74, Cl. 90-12.00d.

Seely, Robert W.; and Nalley, David J., to Singer Company, The. Mounting assembly for a shaft of a power tool. 3,818,778, 6-25-74, Cl. 74-421.00a.

Seem, Warren A.; Stoddard, Nicholas J.; and Stoddard, Robert W., to Leesona Corporation. Producing torque controlled voluminous set yarns. 3,785,135, 1-15-74, Cl. 57-34.0hs.

Seem, Warren A.; and Conrad, Robert F. Method and apparatus for heating thermoplastic yarn. 3,803,674, 4-16-74, Cl. 28-62.000.

Seeman, Thomas A., to Thomas Industrial Gases, Inc. Coating for surfaces which contact hot glass. 3,783,013, 1-1-74, Cl. 117-127.000.

Seemann, Fritz; and Troxler, Franz, to Sandoz Ltd. 4-[2-Hydroxy-3-(2-alkynylamino)propoxy]indoles. 3,808,231, 4-30-74, Cl. 260-326.150.

Seemann, Fritz, to Sandoz Ltd. Substituted aminopropoxy-2-indolinones. 3,825,558, 7-23-74, Cl. 260-325.000.

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Seese, Robert J., to SCM Corporation. Valve dispensing apparatus. 3,806,084, 4-23-74, Cl. 251-63.000.

Seesselberg, Henry A., to Singer Company, The. Cooling of low-inertia motor driven direct drive sewing machine. 3,821,937, 7-2-74, Cl. 112-218.00r.

Seetoo, Winston R.; Weide, Roman K.; and Charland, Telesphore L., to Isotopes, Incorporated. Exothermic bonding of thermoelectric couples. 3,808,670, 5-7-74, Cl. 29-473.100.

Seewagen, George L.; and Markisz, John A. Tennis ball retrieval device. 3,820,836, 6-28-74, Cl. 294-19.00a.

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Sefried, Harry M., II, to Sturm, Ruger, & Co., Inc. Revolver cylinder pin and retaining means therefor. 3,830,001, 8-20-74, Cl. 42-59.000.

Sefton, Robert C., to Koppers Company, Inc. Additive for cementitious mixtures. 3,819,391, 6-25-74, Cl. 106-273.00r.

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Sega, Kenji: *See*—
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Segal, Leon, to Allied Chemical Corporation. Nonflammable, fiber-filled, cold-formable thermoplastic sheet. 3,833,453, 9-3-74, Cl. 161-151.000.

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Segawa, Masahiro, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for micro-crystallization of polyvinylidene fluoride articles. 3,850,900, 11-26-74, Cl. 260-92.10s.

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Segelhorst, August L. Drilling control device. 3,786,864, 1-22-74, Cl. 166-187.000.

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Seglin, Leonard; and Gray, Charles A., to FMC Corporation. Production of water gas. 3,787,193, 1-22-74, Cl. 48-204.000.

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Segre, Joseph P., to American Optical Corporation. Slab laser system with means to overcome the positive lens effect caused by the thermal gradient in the laser rod. 3,798,571, 3-19-74, Cl. 331-94.50t.

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Segro, Jacob Francis; and Fassett, Gardner Luther, to RCA Corporation. Method of installing a mount assembly in a multibeam cathode-ray tube. 3,807,006, 4-30-74, Cl. 29-25.130.

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Sehring, Richard; and Buck, Wolfgang, to Boehringer, C. H., Sohn. Process for the preparation of methyl-thionophosphonates. 3,794,700, 2-26-74, Cl. 260-986.000.

Sei, Swan T., to Shell Oil Company. Isomerization catalyst activation process. 3,842,114, 10-15-74, Cl. 252-455.00z.

Seibel, Richard Roy; and Seibel, Robert Rhea. Condensation free mirror. 3,839,620, 10-1-74, Cl. 219-219.000.

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Seiberlich, Walter, to Maschinenfabrik Lorenz AG. Gear shaping apparatus with improved cutter retraction arrangement. 3,783,740, 1-8-74, Cl. 90-7.000.

Seiberlich, Walter, to Maschinenfabrik Lorenz AG. Gear shaping apparatus with means for lifting cutter wheel relative to the work piece. 3,823,641, 7-16-74, Cl. 90-7.000.

Seiberling, Dale A., to Economics Laboratory, Inc. Continuous separating and standardizing of milk. 3,829,584, 8-13-74, Cl. 426-231.000.

Seibert, Gerhard; and Pitowski, Hans-Jurgen, to Akzo N.V. Process for producing a soft, drapable artificial leather. 3,846,156, 11-5-74, Cl. 117-63.000.

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Seibold, John, to Wesco Industries Corporation. Drive means for positive yarn feeding devices mounted on a circular knitting machine. 3,854,307, 12-17-74, Cl. 66-132.00t.

Seibu Gomu Kagaku Kabushiki Kaisha: *See*—
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Seichter, Daniel J.; and Ehrhardt, Orville W., to Giddings & Lewis, Inc. Rotary position transducer assembly using hydrostatic bearings. 3,857,051, 12-24-74, Cl. 310-36.000.

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Seidel, Charles S.: *See*—
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Seidel, David Paul, to Victor Limited. Safety guards for rotary lawnmowers. 3,827,220, 8-6-74, Cl. 56-320.200.

Seidel, Eckhard: *See*—
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Seidel, Harold, to Bell Telephone Laboratories, Incorporated. Feed-forward, error-correcting systems. 3,815,040, 6-4-74, Cl. 330-149.000.

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Seidel, Harold, to Bell Telephone Laboratories, Incorporated. Amplifier with *n*-port signal excitation. 3,857,106, 12-24-74, Cl. 330-53.000.

Seidel, Harry W., to Raytheon Company. Oven hood with automatic switch. 3,834,295, 9-10-74, Cl. 98-115.00k.

Seidel, Joseph: *See*—
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Seidel, Joseph, to Westinghouse Electric Corporation. Iron electrode paste for alkaline battery plates. 3,849,198, 11-19-74, Cl. 136-25.000.

Seidel, Kenneth L.: *See*—
Frye, Kenneth G.; Lucas, Robert G.; Seidel, Kenneth L.; and Rohosy, Soma M., 3,785,232.

Seidel, Lawrence H., to Jergens, Inc. Fill and pressurizing system. 3,839,866, 10-8-74, Cl. 60-547.000.

Seidel, Martin P.: *See*—
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Seidel, Michael C.: *See*—
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Seidel, Michael C.; Von Meyer, William C.; and Greenfield, Stanley A., to Rohm & Haas Company. 1,2,4-4H-Triazole derivatives. 3,795,679, 3-5-74, Cl. 260-305.000.

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Seidel, Walter G. Motorized invalid carrier. 3,802,524, 4-9-74, Cl. 180-6.500.

Seidel, William B., to Cincinnati Milacron Inc. Machine tool. 3,803,704, 4-16-74, Cl. 29-568.000.

Seidel, William B., to Babcock & Wilcox Company, The. Grinding machine. 3,818,642, 6-25-74, Cl. 51-165.800.

Seidel, William C.: *See*—
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Seidel, William Carl: *See*—
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Seiden, Myron A., to Polaroid Corporation. Photographic apparatus. 3,786,735, 1-22-74, Cl. 95-49.000.
Seiden, Myron A., to Polaroid Corporation. Twin lens camera system having sequential simultaneous lens operation. 3,796,485, 3-12-74, Cl. 95-18.000.
Seiden, Myron A., to Polaroid Corporation. Photographic apparatus including resilient mirror mount. 3,810,691, 5-14-74, Cl. 350-288.000.
Seiden, Myron A., to Polaroid Corporation. Photographic camera having an internally mounted objective lens. 3,812,727, 8-27-74, Cl. 354-196.000.
Seiden, Paul, to Procter & Gamble Company, The. Preparation of synthetic cheese. 3,806,606, 4-23-74, Cl. 426-188.000.
Seiden, Paul, to Procter & Gamble Company, The. Brassidoyl propylene glycol hydrogen succinate. 3,848,047, 11-12-74, Cl. 260-404.800.
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Seidensticker, Horst. Apparatus for de-burring or chamfering of gears. 3,786,601, 1-22-74, Cl. 51-129.000.
Seiderman, Maurice. Hydrophilic gel polymers of vinyl pyrrolidone and hydroxy alkyl methacrylate. 3,792,028, 2-12-74, Cl. 260-80.720.
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Seidler, David, to Applicator Brush Company, Inc. Cosmetic applicator. 3,825,021, 7-23-74, Cl. 132-88.700.
Seidler, Helmut G.; and Walker, James T., to Philco-Ford Corporation. Printed wiring circuit guard ring. 3,852,644, 12-3-74, Cl. 317-101.00c.
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Seiferi, Franz. Piezoelectric semiconductor devices in which sound energy increases the breakdown voltage and power of capabilities. 3,792,321, 2-12-74, Cl. 317-235.00r.
Seifert, Edwin A., Jr. Torque hinge for draft member. 3,784,229, 1-8-74, Cl. 280-446.000.
Seifert, Edwin A., Jr. Air induction apparatus for seed drill tube. 3,804,036, 4-16-74, Cl. 111-1.000.
Seifert, Edwin A., Jr. Torsion bar clamp. 3,815,685, 6-11-74, Cl. 172-711.000.
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Seifert, Lester H. Forage wagon. 3,841,692, 10-15-74, Cl. 296-26.000.
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Seiferth, Oscar E.; Austin, Glenn M.; and Paul, Donald L., to Mayer, Oscar, & Co., Inc. Bacon package. 3,803,332, 4-9-74, Cl. 426-121.000.
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Seil, Herbert, to Liberty Tool & Die Co., The. Apparatus for injecting a fluid into a package of cigarettes. 3,847,162, 11-12-74, Cl. 131-133.000.
Seiler, Claus-Dieter; Vahlensieok, Hans-Joachim; and Junger, Hans, to Dynamit Nobel Aktiengesellschaft. Adhesive agents comprising phenolic resins and a mixture of silanes. 3,847,860, 11-12-74, Cl. 260-38.000.
Seiler, Claus-Dietrich: *See*—
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Seiler, Doanld J.; Shalaty, John H.; and Anderson, Frederick V., to TRW Inc. Valve spring cap-lock assembly and method and tool for assembly onto a valve stem. 3,793,999, 2-26-74, Cl. 123-90.670.
Seiler, Hartmut: *See*—
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Seilly, Alec Harry, to C.A.V. Limited. Gear change mechanism. 3,795,153, 3-5-74, Cl. 74-335.000.
Seim, Howard N.; and Roebke, Neal E., to Control Data Corporation. Signal multiplexer and demultiplexer. 3,832,494, 8-27-74, Cl. 179-15.0ba.
Seinfeld, Marc Michael; and Shedyak, George Alexander. Oxidized petroleum pitch. 3,856,657, 12-24-74, Cl. 208-6.000.
Seino, Hiroshi; Suzuno, Shingichi; Takeya, Yoshiaki; Tobita, Tsutomu; and Fukaya, Takeshi, to Nissan Motor Company, Limited and Hitachi Powdered Metals Company. Sintered fe-Cr-C[Mo-V-Ni]alloys impregnated with Pb or Pb-base alloys. 3,812,565, 5-28-74, Cl. 9-182.100.
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Seino, Shuichi; Fujino, Tomizo; and Tonegawa, Kakuji, to Osaka Seika Kogyo Kabushiki Kaisha and Nippon Kayaku Kabushiki Kaisha. Azole compounds. 3,840,528, 10-8-74, Cl. 260-240.00d.
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Seino, Tetsuya; and Mizutani, Masashi, to Yamaha Hatsudoki Kabushiki Kaisha. Chain-sprocket transmission means in piston-crank mechanism. 3,830,212, 8-20-74, Cl. 123-192.00b.
Seip, Detlev: *See*—
Kuhlkamp, Alfred; Rauterkus, Karl Josef; Schaefer, Horst; and Seip, Detlev, 3,812,072.
Seip, Gunter, to Siemens Aktiengesellschaft. Switching arrangement for remote controlled electrical loads. 3,829,706, 8-13-74, Cl. 307-147.000.
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Seip, Hermann, to ITT Industries, Inc. Load-dependent brake force distributor. 3,841,713, 10-15-74, Cl. 303-22.00r.
Seipel, Arnold J.; Thompson, Basil C.; Haussmann, Robert H.; and Deutsch, Jerome, to International Telephone and Telegraph Corporation. Multiple frequency band frequency synthesizer. 3,854,102, 12-10-74, Cl. 331-1.00a.
Seiple, Richard T.: *See*—
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Seipp, Ronald W.; and McClure, Harold E., to Thermo King Corporation. Heat exchanger defrost apparatus. 3,786,227, 1-15-74, Cl. 219-201.000.
Seipp, William H., to Gulf & Western Industries, Inc. Programmable controller using a random access memory. 3,827,030, 7-30-74, Cl. 340-172.500.
Seippel, Claude, to BBC Brown Boveri & Company Limited. Blading for axial flow turbo-machine. 3,851,994, 12-3-74, Cl. 416-223.000.
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Seitz, Carl R. Fishing bait sinker. 3,785,078, 1-15-74, Cl. 43-43.140.
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Seitz, Marianne. Suspension device for displaceably suspending drapes and curtains. 3,815,174, 6-11-74, Cl. 16-94.00d.
Seitz, Neal B., to Logicon, Inc. Adaptive pulse code modulation system. 3,811,014, 5-14-74, Cl. 179-15.0bw.
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Seitz, William K. Motion transducer. 3,851,292, 11-26-74, Cl. 338-114.000.
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Seitzer, Walter H., to Sun Research and Development Co. Hydrogenation catalyst. 3,832,307, 8-27-74, Cl. 252-455.00z.
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Seiwert, Robert C., to Stahl Metal Products Division. Corrosion-resistant, double-panel, lockable door. 3,789,550, 2-5-74, Cl. 49-503.000.
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Sejbal, Josef; and Curn, Frantisek, to Naradi Narodni podnik. Diamond grinding layer for honing segments. 3,820,966, 6-28-74, Cl. 51-309.000.
Sejpal, Vasant D.; Lueschen, William J.; and Weinstein, Bernard, to American Home products Corporation. Aerosol dispensing system for anhydrous edible fat compositions. 3,849,580, 11-19-74, Cl. 426-116.000.

Sekel, John, to National Cash Register Company, The. Printed curcuit board with plated through holes. 3,797,342, 3-19-74, Cl. 83-55.000.

Sekella, Youston M., to Westinghouse Electric Corporation. Radiation detector of elongated length with electrode support assembly therefor. 3,809,940, 5-7-74, Cl. 313-61.00r.

Sekera, George F., Jr., to Harper-Wyman Company. Safety valve. 3,850,407, 11-26-74, Cl. 251-242.000.

Seki, Chiaki: *See—*
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Seki, Hideki; Furuya, Sachinori; and Hiroyasu, Mamoru, to Matsushita Electric Industrial Co., Ltd. Printed circuit board assembly and heat sink. 3,852,643, 12-3-74, Cl. 317-100.000.

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Seki, Kunio, to Hitachi, Ltd. Phase detector circuit. 3,840,817, 10-8-74, Cl. 328-133.000.

Seki, Kunio, to Hitachi, Ltd. Full-wave rectifier circuit. 3,840,818, 10-8-74, Cl. 329-166.000.

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Seki, Masahiko, to Nippon Steel Corporation. Impeller replacing device for molten metal stirring equipment. 3,814,400, 6-4-74, Cl. 266-1.00r.

Seki, Morisuke: *See—*
Kishino, Shigeo; Yamada, Yasuo; Kudamtsu, Akio; Kurahashi, Yoshio; Sumi, Shoozo; Seki, Morisuke; and Shiokawa, Koozo, 3,798,293.

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Seki, Takeo; Kawamura, Shigenori; Maeda, Itsuji; and Kaneko, Akira, to Hitachi Electronics Co., Ltd. and Nisshin Steel Co. Ltd. Automatic surface inspection device for running object. 3,825,351, 7-23-74, Cl. 356-200.000.

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Seki, Tunekatu: *See—*
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Sekiguchi, Hideto; Matsumoto, Yomohide; Hoten, Masanobu; and Kawasaki, Hideo, to Japan Exlan Company Limited. Mulit-colored textile products with sharp color tone contrasts. 3,802,177, 4-9-74, Cl. 57-140.0by.

Sekiguchi, Hikaru; Rapacoulia, Panayota; and Coutin, Bernard, to Agence Nationale de Valorisation de la Recherche (Anvar). Method for anionic polymerization of alpha-pyrrolidone or alpha-piperidone with quaternary ammonium salts. 3,835,100, 9-10-74, Cl. 26-78.00p.

Sekiguchi, Hisashi: *See—*
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Sekiguchi, Toshio: *See—*
Yamato, Eisaku; Wada, Masao; Sekiguchi, Toshio; Sato, Masanori; Nagao, Taku; Nakajima, Hiromichi; Kiyomoto, Akio; and Kawanishi, Masazumi, 3,818,015.

Sekiguchi, Toyozo; Fujii, Tomio; and Kobayashi, Hideo, to Kakenyaku Kako Kabushiki Kaisha. Compound for restoring radiation injury and process for preparation thereof. 3,803,116, 4-9-74, Cl. 260-112.500.

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Sekine, Hiroyuki, to Yoshida Kogyo Kabushiki Kaisha. Zip fasteners. 3,815,181, 6-11-74, Cl. 24-205.10c.

Sekine, Jiro, to Fuji Photo Film Co., Ltd. Automatic exposure control device for photographic cameras. 3,846,807, 11-5-74, Cl. 354-42.000.

Sekine, Kazuo; Mimura, Michio; and Oniki, Yasuhiko, to Nippon Kokan Kabushiki Kaisha. Cutting apparatus for large plates. 3,815,884, 6-11-74, Cl. 266-23.00k.

Sekine, Kazuo; Mimura, Michio; Oniki, Yasuhiko; and Koyano, Nobushige, to Nippon Kokan Kabushiki Kaisha. Heavy plate cutting apparatus. 3,843,103, 10-22-74, Cl. 266-23.00m.

Sekine, Kunio; Kamata, Yukio; and Yamaishi, Yoshio, to Dowa Mining Co., Ltd., The. Automatic apparatus for stripping deposited metal from a cathode plate in electrowinning process. 3,847,779, 11-12-74, Cl. 204-198.000.

Sekine, Tomio: *See—*
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Sekmakas, Kazys, to De Soto, Inc. Water-dispersible cationic polyurethane resins. 3,804,786, 4-16-74, Cl. 260-18.0pt.

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Sekmakas, Kazys, to De Soto, Inc. Electrodeposition of organopolysiloxane-containing coatings to provide improved gloss and weather resistance. 3,850,772, 11-26-74, Cl. 204-181.000.

Seko, Tsuyoshi: *See—*
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Selby, David Adrian. Insulated concrete block. 3,817,013, 6-18-74, Cl. 52-437.000.

Selby, Roger M., to Union Tank Car Company. Combination pressure-vacuum relief vent-valve. 3,797,511, 3-19-74, Cl. 137-71.000.

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Seldin, Leslie W. Application of dimension indicia to X-ray exposure. 3,848,136, 11-12-74, Cl. 250-476.000.

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Self, Billy. Wire wrapping tool. 3,805,854, 4-23-74, Cl. 140-117.000.

Self, James M.; and Matzek, Norman E., to Dow Chemical Company, The. Stabilization of light metal hydride. 3,844,854, 10-29-74, Cl. 149-6.000.

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Self, Kenneth W.; Crew, Norman B.; and Twyman, Bill I., to Freightliner Corporation. Detachable trailer frame. 3,806,159, 4-23-74, Cl. 280-423.00r.

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Selinko, George J., to Motorola Inc. Electrical and mechanical connector for two part portable electronic device. 3,796,984, 3-12-74, Cl. 339-88.00r.

Selivanov, Anatoly Grigorievich; Makachev, Nikolai Ivanovich; Titov, Dmitry Vladimirovich; and Rotenburg, Alexandr Aronovich. Shedding mechanism for looms. 3,831,638, 8-27-74, Cl. 139-12.000.

Selivanov, Anatoly Grigorievich; Titov, Dmitry Vladimirovich; and Dyachkov, Alexandr Mikhailovich. Harness mechanisms for travelling wave shedding looms. 3,857,417, 12-31-74, Cl. 139-12.000.

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Sell, Abdul Harry, to Darf Corporation. Apparatus for harvesting grapes. 3,822,537, 7-9-74, Cl. 56-330.000.

Sell, Heinz G.; and Stepper, Heinz-J, to Westinghouse Electric Corporation. Method of making non-sag incandescent tungsten filament. 3,820,868, 6-28-74, Cl. 316-1.000.

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Sell, William Henry, Jr., to Isotopes, Incorporated. Thermoelectric generator with thermal expansion block. 3,804,676, 4-16-74, Cl. 136-205.000.

Sellari, Daniele, Jr.; and Richardson, Henry A., to International Telephone and Telegraph Corporation. Multi-frequency receiver. 3,845,249, 10-29-74, Cl. 179-84.0vf.

Sellers, Brian; Usher, Harry Graham; and Kay, Thomas William Lawrie, to Mackness, R., & Company Limited. Sleeping quilt. 3,837,021, 9-24-74, Cl. 55-334.00r.

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Sellers, H. Charles, Jr.; and Hatchel, Ronnis J., to Beloit-Passavant Corporation. Log conveying apparatus. 3,844,399, 10-29-74, Cl. 198-165.000.

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Selliken, Gary M. Removable winch drum for vehicle wheel. 3,820,734, 6-28-74, Cl. 242-95.000.

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Selman, Charles M.; and Hsieh, Henry L., to Phillips Petroleum Company. Increasing polymer functionality through metallation of low molecular weight liquid polymers with menthyllithium. 3,851,000, 11-26-74, Cl. 260-665.00r.
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Selset, Rolf. Apparatus for slidably supporting curtains and the like. 3,823,439, 7-16-74, Cl. 16-94.00d.
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Seltzer, Raymond, to M & T Chemicals Inc. Diaryl perthiocyanates. 3,816,441, 6-11-74, Cl. 260-302.0sd.
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Selwitz, Charles M., to Gulf Research & Development Company. Process for separating sodium nitrilotriacetate from a mixture containing the same sodium chloride. 3,850,984, 11-26-74, Cl. 260-534.00e.
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Seng, Koh Chew. Door installations. 3,826,043, 7-30-74, Cl. 49-360.000.

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Senn, Werner Josef. Apparatus for deciphering cipher code present at information carriers in the form of character groups of the same number of digits. 3,849,599, 11-19-74, Cl. 178-53.10r.

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Sennstrom, Harold R., to Teledyne Mid-America Corporation. Apparatus for forming heat exchangers. 3,818,568, 6-25-74, Cl. 29-202.00d.

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Suzuki, Tsunao; Senuma, Mitsushi; Takakura, Ichiro; and Masuda, Toshio, 3,847,853.

Senyard, Corley P.: *See—*
Winkler, John C.; and Senyard, Corley P., 3,855,187.

Seo, Kiyokazu; Hayashi, Yoshihiro; Hoshino, Tunekichi; and Masuda, Fumiyoshi, to Toyota Jidosha Kogyo Kabushiki Kaisha, Kabushiki Kaisha Tokai Rika Denki Seisakusho and Hoshino Kogyo Kabushiki Kaisha. Webbing and belting means for use in seat belts. 3,820,43, 6-28-74, Cl. 297-387.000.

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Mishimura, Shojiro; Ishizaki, Masao; Seo, Yoshiro; and Akima, Shinobu, 3,789,930.

Sephton, Hugo H. Interface enhancement applied to evaporation of liquids. 3,846,254, 11-5-74, Cl. 203-11.000.

Seppi, Ned F.: *See—*
Duke, Roy B.; and Seppi, Ned F., 3,845,119.

Sequeira, Avilino, Jr., to Texaco Inc. Means and method for optimizing refined oil yield from a solvent refining unit. 3,799,871, 3-26-74, Cl. 208-324.000.

Sequin, Carlo Heinrich, to Bell Telephone Laboratories, Incorporated. Multiple-phase control signal generator. 3,801,827, 4-2-74, Cl. 307-223.000.

Sequin, Carlo Heinrich, to Bell Telephone Laboratories, Incorporated. Charge transfer imaging devices. 3,801,884, 4-2-74, Cl. 317-235.00r.

Serad, George A.; and MacLean, Alexander F., to Celanese Corporation. Process for the production of peroxyacetic acid. 3,829,468, 8-13-74, Cl. 260-502.00r.

Serafin, Marian; and Decubber, Maurice, to Societe Anonyme de Traverses en Beton Arme Systeme Vagneux. Rail fastening. 3,784,098, 1-8-74, Cl. 238-349.000.

Serafin, Robert J. Incoherent turbulence detector. 3,803,601, 4-9-74, Cl. 343-5.00w.

Serania AG Patentverwertungs- und Finanzierungsgesellschaft: *See—*
Schmid, August; and Goens, Georges, 3,809,398.

Serata, Shosei. Borehole stress-property measuring system. 3,796,091, 3-12-74, Cl. 73-88.00e.

Serban, Alexander; and Engel, Phillip Knox, to ICI Australia Limited. Synthesis of 2,3-dihydro-2,2-dimethyl-7-benzo furanyl N-methyl-carbamate. 3,816,473, 6-11-74, Cl. 260-346.200.

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Serbu, Gideon P. Magnetic closure. 3,827,019, 7-30-74, Cl. 335-285.000.

Serdar, Franjo. Hair curling and drying device. 3,802,442, 4-9-74, Cl. 132-9.000.

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Galperin, Alexandr Lvovich; Serebryannikov, Albert Semenovich; Zabotin, Alexandr Alexandrovich; Onikov, Eduard Arshakovich; Lukoshkov, Vladimir Iosifovich; Lileev, Valeryan Petrovich; Loschilin, Evgeny Dmitrievich; Rutkevich, Zinovy Yakovlevich; Sakharov, oris Alexandrovich; and German, Zinovy Antolievich, 3,835,893.

Seredinsky, Avraam Vulfovich: *See—*
Khanovich, Izrail Grigorievich; Raudson, Robert Avgustovich; Portnoi, Mark Saulovich; Yanovsky, Gennady Grigorievich; Konisskaya, Natalia Alexandrovna; Seredinsky, Avraam Vulfovich; Kapranov, Robert Ivanovich; Mulokov, Felix Fomich; Bogachev, Fedor Alexandovich; Sergeev, Jury Grigorievich; Zakharova, Alexandra Fedorovna; Chomova, Nina Grigorievna; Britanishsky, Ruvim Girshevich; Nepomnyaschy, Alexandr Mordukhaevich; Zhuchin, Vladimir Nikiforovich; and Topilin, Valentin Vasilievich, 3,796,974.

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Seregni, Renato. Automatic tuner drive device applicable to radio receivers with an incorporated magnetic tape or wire recorder and/or player. 3,784,762, 1-8-74, Cl. 179-100.110.

Serene Systems Inc.: *See—*
Serrano, Salomon, 3,805,322.

Serfass, Earl J.; Lindsay, Edward R., Jr.; Holmes, Gene Myron; Aid, James D.; and Bishop, French, Jr., to Roy, Milton, Company. Deaerator for dialysis system. 3,827,561, 8-6-74, Cl. 210-180.000.

Sergant, Micheline Y.: *See—*
Fauran, Claude P.; Douzon, Colette; Raynaud, Guy M.; and Sergant, Micheline Y., 3,821,215.

Sergeenkov, Boris Nikolaevich: *See—*
Sheinkman, Vladislav Solomonovich; Pischikov, Sergei Illarionovich; and Sergeenkov, Boris Nikolaevich, 3,792,340.

Sergeev, Alexandr Timofeevich: *See—*
Ignatov, Boris Grigorievich; Alexandrov, Anatoly Leonidovich; Pavlov, Boris Nikolaevich; Sergeev, Alexandr Timofeevich; and Moskovskoi, Fryazino, 3,808,518.

Sergeev, Andrei Ivanovich: *See—*
Balepin, Alexandr Alexeevich; Bobolev, Alexandr Vasilievich; Buslaev, Jury Alexandrovich; Chagin, Vladimir Ivanovich; Emanuel, Nikolai Markovich; and Sergeev, Andrei Ivanovich, 3,818,051.

Sergeev, Georgy Nikolaevich: *See—*
Paton, Boris Evgenievich; Pryanishnikov, Igor Stepanovich; Movchan, Boris Alexeevich; Tikhonovsky, Alexei Lavrentievich; Krivosheykov, Jury Mikhailovich; Ljubarets, Leonid Fedorovich; Timashov, Viktor Alexandrovich; Asoiants, Grigory Bagradovich; Sapko, Alxandr Ivanovich; Topilin, Valentin Vasilievich; Kosyrev, Lev Konstantinovich; Tjulkin, Andrei Alexeevich; Nakhabin, Vyacheslav Vasilievich; Kultygin, Vasily Semenovich; Sergeev, Georgy Nikolaevich; Kucherenko, Pavel Petrovich; Gostry, Petr Dmitrievich; Barnov, Anotaly Alexeevich; and Zaika, Oleg Nikolaevich, 3,821,979.

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Sergeev, Leonid Alexandrovich: *See—*
Buzhinskaya, Antonia Vladimirovna; Sergeev, Leonid Alexandrovich; Trofimov, Vladimir Ivanovich; Perelygina, Tatyana Fedorovna; and Bobrov, Anatoly Borisovich, 3,799,847.

Sergeev, Nikolai Sergeevich: *See—*
Medem, Vulf Matveevich; Boldrev, Sergei Andreevich; Karpenko, Leonty Petrovich; Dolukhanov, Rafik Tsaturovich; and Sergeev, Nikolai Sergeevich, 3,855,116.

Sergeeva, Ljudmila Semenovna: *See—*
Fedjukin, Dmitry Lvovich; Sergeeva, Ljudmila Semenovna; Bakharev, Andrei Nikolaevich; Gorlina, Inna Leonidovna; Aronov, Anatoly Izrailevich; Kravets, Arkady Timofeevich; Korochkin, Petr Evmenovich; and Titov, Alexei Ivanovich, 3,846,611.

Sergeichik, Vladimir Adamovich: *See—*
Gelfand, Mikhail Lvovich; Isipenjuk, Yakov Isaakovich; Podlesnykh, Petr Ivanovich; Sergeichik, Vladimir Adamovich; Rutgaizer, Mikhail Isaakovich; and Antipov, Georgy Afanasievich, 3,804,180.

Sergent, Enoch A.: *See—*
Molitor, Edwin A.; Elsten, Walter; and Sergent, Enoch A., 3,846,961.

Sergeys, Francis J., to Grace, W. R., & Company. Method of preparing a heat exchanger. 3,854,186, 12-17-74, Cl. 29-157.30d.

Serikov, Jury Mitrofanovich: *See—*
Larjukhin, Grigory Artemovich; Chernyshev, Valentin Vasilievich; Nikitin, Vladislav Iosifovich; Serikov, Jury Mitrofanovich; and Kosinov, Vyacheslav Georgievich, 3,828,560.

Serini, Henry O.; and Sutterfield, Douglas, to Universal Tackle Corporation Inc. Apparatus for controlling the tension of the line in a fishing reel. 3,804,349, 4-16-74, Cl. 242-84.50a.

Serino, Yoichi: *See—*
Nagoya, Itaru Niimi; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Mitani, Seishu; and Imanishi, Kunizo, 3,790,352.
Niimi, Itaru; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Ishihara, Ko; Mitani, Seishu; and Imanishi, Kunizo, 3,790,351.
Niimi, Itaru; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Mitani, Seishu; and Imanishi, Kunizo, 3,795,511.
Niimi, Itaru; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Mitani, Seishu; and Imanishi, Kunizo, 3,802,852.
Niimi, Itaru; Hashimoto, Kametaro; Ushitani, Kenzi; Serino, Yoichi; Mitani, Seishu; and Imanishi, Kunizo, 3,806,325.

Serio, John P.: *See—*
Chatterji, Arun K.; Marianne, Custazzo; Demosthemes, Kiriazides K.; Russell, John J., Jr.; and Serio, John P., 3,819,367.

Mammino, Joseph; Jossel, Franklin; Kobey, James M.; Serio, John P.; Solodar, Warren E.; and Walker, Alan H., 3,804,619.

Serio, John P.; and Wieloch, Francis J., to Xerox Corporation. Method of creating color transparencies. 3,833,293, 9-3-74, Cl. 355-17.000.

Serizawa, Akio, to Sony Corporation. Tape loading device for magnetic recording and/or reproducing apparatus. 3,821,805, 6-28-74, Cl. 360-85.000.

Serizawa, Hiroyuki: *See—*
Fukai, Masakazu; Fujiwara, Shinji; Serizawa, Hiroyuki; Eguchi, Osamaru; and Kuramoto, Yukimasa, 3,858,074.

Serman, Edward G., Jr., 20% interest to Lee, Raymond, Organization, Inc., The. Toy simulating gymnastic events. 3,839,820, 10-8-74, Cl. 46-131.000.

Sermanet, Gerard: *See—*
Desperier, Jean-Michel; and Sermanet, Gerard, 3,782,133.

Sernatinger, Franz; and Abad, Maurice, to Etat Francais. Apparatus for automatic dynamic positioning and steering systems. 3,844,242, 10-29-74, Cl. 114-144.00b.

Sernetz, Heinz; and Hirschler, Josef. Bearing arrangement. 3,799,634, 3-26-74, Cl. 308-187.100.

Serniuk, George E.: *See—*
O'Farrell, Charles P.; and Serniuk, George E., 3,836,511.

Sernovitz, Morton A. Lugs and cart therefor. 3,837,667, 9-24-74, Cl. 280-47.340.

Seron, Suren M. Lanyard construction. 3,797,075, 3-19-74, Cl. 24-73.00r.

Serota, Samuel: *See—*
Rothman, Edward S.; and Serota, Samuel, 3,832,415.

Serra, Jean, to A.R.M.I.R.E.S., Association pour la Recherche et le Developpement des Methodes et Processus Industriels. Device for the logical analysis of textures. 3,805,035, 4-16-74, Cl. 235-151.300.

Serra, John J.: *See—*
Casey, Richard C.; Duggan, Robert J.; Grosky, Stephen A.; Jen, Dixon T.; and Serra, John J., 3,792,462.

Serra, Norman R. Coacting wheel ball projecting device. 3,815,567, 6-11-74, Cl. 124-1.000.

Serrand, Jean-Pierre: *See—*
Conruyt, Pierre Y.; and Serrand, Jean-Pierre, 3,803,426.

Serrano, Francisco de A. M.: *See—*
Mercier, Bernard M.; and Serrano, Francisco de A. M., 3,817,412.

Serrano, Leonardo V., to Rosemount Inc. Current transmitter circuitry to provide an output varying as the square root of a measured variable condition. 3,854,039, 12-10-74, Cl. 235-193.500.

Serrano, Pedro, to AMP Incorporated. Folding and inserting machine. 3,805,356, 4-23-74, Cl. 29-203.00h.

Serrano, Pedro, to AMP Incorporated. Terminal inserting apparatus. 3,820,218, 6-28-74, Cl. 29-203.00b.

Serrano, Salomon, to Serene Systems Inc. Foot operated door stop. 3,805,322, 4-23-74, Cl. 16-82.000.

Serratto, Angelo. Local conditioning induction-type apparatus employing primary inlet air as a power means for controlling temperature. 3,841,398, 10-15-74, Cl. 165-123.000.

Serres, Carl; and Stephens, James R., to Standard Oil Company. Preparation of polyamide-imide filaments. 3,839,529, 10-1-74, Cl. 264-205.000.

Serret, Gerard, to Saint-Gobain Industries. Optical method and apparatus for detection of defects. 3,851,975, 12-3-74, Cl. 356-198.000.

Serrill, Dehart M. Fishing lure retriever. 3,805,435, 4-23-74, Cl. 43-17.200.

Serritella, Daniel J. Magnetic vehicle bumper. 3,831,847, 8-27-74, Cl. 293-1.000.

Serritella, James J. Non-spillable cup lid. 3,800,999, 4-2-74, Cl. 229-7.00r.

Serta, Inc.: *See—*
Simon, Leroy J., 3,840,915.

Sertich, Anthony T. Air-vibrator dental scaler. 3,811,190, 5-21-74, Cl. 32-56.000.

Serturini, Giuseppe, to Somet Societa Meccanica Tessile S.p.A. Selvedges forming apparatus. 3,795,261, 3-5-74, Cl. 139-54.000.

Serturini, Giuseppe, to Somet Societa Meccanica Tessile S.p.A. Cutting device for looms. 3,814,140, 6-4-74, Cl. 139-302.000.

Servais, Carlo: *See—*
Kugelberg, Joachim; Servais, Carlo; and Uihlein, Rolf Dieter, 3,837,583.

Servbest Foods, Inc.: *See—*
Kentor, William E., 3,853,999.

Servco Company, The: *See—*
Furse, John H., 3,817,339.

Servco Company, The; division of Smith International Inc.: *See—*
Jackson, Hewy E.; and Myers, Howard B., 3,790,353.

Service (Engineers) Limited: *See—*
Turnock, Frederick Arthur; and Gater, Robert, 3,857,661.

Service Business Forms Inc.: *See—*
Wolfberg, Larry B.; and Harper, John, 3,796,120.

Service d'Exploitation Industrielle des Tabacs: *See—*
Anfossi, Henri, 3,800,936.

Service d'Exploitation Industrielle des Tabacs et des Allumettes: *See—*
Gouy, Jean-Claude, 3,856,227.
Poupin, Raymond; and Anfossi, Henri, 3,854,567.

Service Dynamics, Inc.: *See—*
Strauss, Robert F.; and Lawrenz, Carl F., 3,799,244.

Service Tectonics, Inc.: *See—*
Fossati, Charles G.; and Dalton, Francis B., 3,850,184.

Servicemaster Hospital Corporation: *See—*
DeBoer, Harry F.; and Spowart, Joseph A. N., 3,787,072.

Servici, Cesar Juan: *See—*
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Servis Equipment Company: *See—*
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Servo Corporation of America: *See—*
Gallagher, Cornelius A.; and Glazar, Arthur J., 3,812,343.

Servomat Fast Foods (Proprietary) Limited: *See—*
Marsberg, Stanley G., 3,844,447.

Servos, Gerald H. Automatic velocity component selector for electronysiagmographs. 3,794,017, 2-26-74, Cl. 128-2.10r.

Servotronics, Inc.: *See—*
Trbovich, Nicholas D.; Robinson, William P.; and Trunzo, Eugene R. (said Robinson and said Trunzo assors to), 3,811,674.

Serwetman, Richard: *See—*
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Sery, Robert S.: *See—*
Scarzello, John F.; and Sery, Robert S., 3,824,573.

Sesame Industries, Limited: *See—*
Ellis, Glenn, 3,810,813.

Sescosem-Societe Europeene de Semiconducteurs et de Microelectronique de Microelectronique: *See—*
Boudry, Jean-Marie, 3,802,180.

Sescosem-Societe Europeenne de Semiconducteurs et de Microelectronique: *See—*
Croset, Michel, 3,826,956.

Sessa, Paul A.: *See—*
Ferment, George R.; Prince, Arthur E., Jr.; and Sessa, Paul A., 3,849,529.

Sessions, Robert W.: *See—*
Hunter, James A.; and Sessions, Robert W., 3,834,394.

Sessions, Robert W. Disposable electrode. 3,805,769, 4-23-74, Cl. 128-2.06e.

Sessions, William K., Jr.: *See—*
Tornquist, Nils M.; Kneeland, Howard; and Sessions, William K., Jr., 3,788,061.

Sessody, Donald W., to Applied Power Inc. Lightweight hydraulic jack. 3,844,534, 10-29-74, Cl. 254-93.00h.

Sessoms, Frank E.; and Hardy, Michael E., to Procter & Gamble Company, The. High nutrition food spreads. 3,851,070, 11-26-74, Cl. 426-177.000.

Sessoms, James M. Solenoid controlled paper handling mechanism. 3,815,722, 6-11-74, Cl. 197-127.00r.

Sestanj, Kazimir; Simard-Duquesne, Nicole; and Dvornik, Dusan M., to Ayerst, McKenna and Harrison Limited. Compositions for and a method of treating diabetic complications. 3,821,383, 6-28-74, Cl. 424-258.000.

Sesto, Peter Joseph, to G & S Mold & Die, Inc.; d/b/a AAA Tool & Die. Self-contained die protecting device. 3,825,385, 7-23-74, Cl. 425-137.000.

Seta, Carlo N. Undercollar construction and method for making same. 3,827,084, 8-6-74, Cl. 2-98.000.

Seta, Shigetoshi: *See—*
Saito, Kunio; Ishii, Tatsuo; and Seta, Shigetoshi, 3,842,029.

Setcom Corporation: *See—*
Santori, Charles M., 3,787,641.

Seth, Ram Gopal. Fixed-fluidized bed dry cooling tower. 3,814,176, 6-4-74, Cl. 165-104.000.

Setheny, Michael J.: *See—*
Anderson, Richard T.; and Setheny, Michael J., 3,848,749.

Sethi, Bal Krishan: *See—*
Lahtvee, Toivo; Sethi, Bal Krishan; and Stark, William Hubbard, 3,794,718.

Setlejewski, Frank W.: *See—*
Costanza, Carl; Weber, Walter W.; Setlejewski, Frank W.; and Frystak, Richard, 3,782,816.

Setliff, Bennie Smithers: *See—*
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Seto, David K.: *See—*
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Seto, Eisuke: *See—*
Murayama, Masao; Seto, Eisuke; Okubo, Takashi; Morita, Iwao; and Dobashi, Itsuo, 3,806,541.
Murayama, Masao; Seto, Eisuke; Okubo, Takashi; Morita, Iwao; and Dobashi, Itsuo, 3,808,266.

Seto, Jingo. Process and apparatus for forming the bottom structure of a foamed thermoplastic synthetic resin-made container. 3,792,137, 2-12-74, Cl. 264-45.000.

Seto, Kunihira: *See—*
Hibino, Noburo; Seto, Kunihira; Kobayashi, Teruo; and Inoue, Kazuo, 3,849,139.

Seto, Tatsuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Pneumatically-controlled hydraulically-operated ship steering apparatus. 3,805,727, 4-23-74, Cl. 114-150.000.

Seto, Tetsuki: *See—*
Nakashio, Seizo; Takemura, Toshio; Mauyama, Takashi; Ota, Kunio; and Seto, Tetsuki, 3,787,361.
Nakashio, Seizo; Takemura, Toshio; Maruyama, Takashi; Ota, Kunio; and Seto, Tetsuki, 3,817,919.

Seto, Yoshihiro, to Fuji Photo Film Co., Ltd. Light-intercepting paper for photographic film. 3,832,218, 8-27-74, Cl. 117-76.00p.

Setoguchi, Shinro: *See—*
Nakanishi, Michio; Munakata, Tomohiko; Setoguchi, Shinro; and Fukunari, Sunao, 3,813,395.

Seton, Walter F.: *See—*
Maiste, Arved; and Seton, Walter F., 3,831,356.

Sette, James J. Valve actuating safety cap assembly for pressurized dispensers. 3,844,448, 10-29-74, Cl. 222-153.000.

Setterquist, Robert Alton, to Du Pont de Nemours, E. I., and Company. Method for preparing random copolymers of formaldehyde and olefin oxide silane and/or vinyl ether silyl. 3,786,027, 1-15-74, Cl. 260-67.0fp.

Settineri, William J.; and Wessling, Ritchie A., to Dow Chemical Company, The. Hydrophobic coatings and synthesis by electrochemical reduction of sulfonium compounds. 3,852,174, 12-3-74, Cl. 204-73.00r.

Settlemyer, Bernard W., to Ajax Magnethermic Corporation. Valveless low pressure air dehumidifier. 3,827,218, 8-6-74, Cl. 55-179.000.

Setty, Richard D.: *See—*
Kircher, Robert J.; and Setty, Richard D., 3,797,517.

Setzer, William C.; Cheskis, Harvey P.; and Wirtter, Joseph, to Olin Corporation. Process for preparing aluminum alloys. 3,787,248, 1-22-74, Cl. 148-11.50a.

Setzer, William C.; Cheskis, Harvey P.; and Winter, Joseph, to Swiss Aluminium Ltd., mesne. Aluminum alloy can end and body. 3,851,787, 12-3-74, Cl. 220-273.000.

Seubert, Frederick J. Strut members and connector rings with imperforate, pierceable walls. 3,805,441, 4-23-74, Cl. 46-29.000.

Seuberth, Kurt; and Deyhle, Peter. Apparatus for the diathermic removal of growths. 3,805,791, 4-23-74, Cl. 128-303.140.

Seufert, George E. Multi-purpose cleaning implement. 3,795,933, 3-12-74, Cl. 15-114.000.

Seufert, George E. Utility container assembly for use with sponge applicator. 3,795,939, 3-12-74, Cl. 15-261.000.

Seufert, Ludwig Edward, to Du Pont de Nemours, E. I., and Company. Alumina fiber. 3,808,015, 4-30-74, Cl. 106-65.000.

Seulen, Gerhard; and Reinke, Friedhelm, to AEG-Elotherm GmbH. Method of operation when hot straightening elongated workpieces. 3,785,883, 1-15-74, Cl. 148-131.000.

Seulen, Gerhard; and Scheffler, Friedrich, to AEG-Elotherm GmbH. Workpiece gripper having vibrating means thereon. 3,847,291, 11-12-74, Cl. 214-27.000.

Seunevel, Thierry Bernard, to Societe Anonyme Alpha-Bebe Sante. Sterile feeding unit. 3,796,337, 3-12-74, Cl. 215-11.00c.

Sevelin, Charles V.; and Palmquist, Philip V., to Minnesota Mining and Manufacturing Company. Retro-reflective film. 3,801,183, 4-2-74, Cl. 350-105.000.

Sevenants, Michael Robert, to Procter & Gamble Company, The. Process for producing potato chip flavor concentrate. 3,857,982, 12-31-74, Cl. 426-271.000.

Sevenska Utvecklingsaktiebolaget: *See—*
Sollerud, Soren, 3,853,621.

Severijns, Adrianus Petrus: *See—*
Staas, Frans Adrianus; Melse, Jan Leendert; Van Esdonk, Johannes; Severijns, Adrianus Petrus; and Van de Mosselaer, Adrianus Pieter, 3,823,457.
Staas, Frans Adrianus; and Severijns, Adrianus Petrus, 3,835,662.

Severijns, Adrianus Petrus, to U.S. Philips Corporation. Heat exchanger and method of manufacturing the same. 3,794,110, 2-26-74, Cl. 165-164.000.

Severin, Petrus Johannes Wilhelmus; Poodt, Gerardus Johannes Maria; and Vermeulen, Gerard, to U.S. Philips Corporation. Contact device using conductive fluid for measuring resistance and capacitance of semiconductor. 3,794,912, 2-26-74, Cl. 324-62.000.

Severinghaus, Nelson: *See—*
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Severini, Febo: *See—*
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Severinsson, Lars Mattis: *See—*
Persson, Gert Artur; and Severinsson, Lars Mattis, 3,808,954.

Severinsson, Lars Mattis, to Svenska Aktiebolaget Bromsregulator. Device for passing compressed air at pressures varying in dependence upon forces transmitted through the device. 3,809,110, 5-7-74, Cl. 137-116.500.

Severinsson, Lars Mattis, to Svenska Aktiebolaget Bromsregulator. Force-transmitting device. 3,830,061, 8-20-74, Cl. 60-533.000.

Severn Pumps Limited: *See—*
Scott, George William Pearson; and Lloyd, Kenneth Henry, 3,818,803.

Severov, Sergei Ivanovich: *See—*
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Sharp, James G.; and Sharp, David E. Blade construction for fruit harvesting machine. 3,845,610, 11-5-74, Cl. 56-328.00r.
Sharp, John C., to Upjohn Company, The. Antifungal methods employing certain carbostyrils. 3,836,657, 9-17-74, Cl. 424-258.000.
Sharp, John David, to Foseco International, Limited. Electrodes for arc furnaces. 3,787,336, 1-22-74, Cl. 252-511.000.
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Sharp, Shelby P.; and Sudduth, Lamar F., to Amoco Production Company. Method for dehydration of wet gases. 3,831,346, 8-27-74, Cl. 55-32.000.
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Sharp, William F., Jr.; and Enright, Thomas F., to Du Pont de Nemours, E. I., and Company. Explosion bonded aluminum to steel. 3,798,010, 3-19-74, Cl. 29-196.200.
Sharp, William F., Jr., to Du Pont de Nemours, E. I., and Company. Multilayered metal composite. 3,798,011, 3-19-74, Cl. 29-197.000.
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Sharpe, Anthony Nelson; and Jackson, Adrian Keith, to Lever Brothers Company. Devices for blending materials. 3,819,158, 6-25-74, Cl. 259-72.000.
Sharpe, Anthony Nelson, to Lever Brothers Company. Apparatus for performing bacteriological tests automatically. 3,844,896, 10-29-74, Cl. 195-139.000.
Sharpe, Edgar John, to Coniagas Research, Inc. DIP magnet magnetometer having a damped pendulous support and temperature compensation. 3,790,882, 2-5-74, Cl. 324-48.000.
Sharpe, Floyd L. Reel for electric extension cords. 3,835,267, 9-10-74, Cl. 191-12.400.
Sharpe, Grace S., 20% to Lee, Raymond, Organization, Inc., The. Dog dropping disposal kit. 3,854,578, 12-17-74, Cl. 206-223.000.
Sharpe, Louis F.; and Preuss, Ernest A., to Sun Chemical Corporation. Large field flash sensor. 3,801,821, 4-2-74, Cl. 250-209.000.

Sharpe, Peter S., to Brule, C., E., & E., Inc. Process of burning and apparatus therefor. 3,805,714, 4-23-74, Cl. 110-8.00r.
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Sharpe, Raymond; and Triffit, James Christopher Herbert, to Rotax Limited. Constant speed hydraulically controlled toric transmission with concentric two piston valve and governor means. 3,826,147, 7-30-74, Cl. 74-200.000.
Sharpe, Raymond; and Triffit, James Christopher Herbert, to Rotax Limited. Constant speed hydraulically controlled tork transmission with concentric, two piston valve, governor and constant ratio means. 3,828,618, 8-13-74, Cl. 74-200.000.
Sharpe, Stuart Peter; and Snell, Brian Kenneth, to Imperial Chemical Industries Limited. O(2-Diethylamino-4-methyl-6-pyrimidinyl)O,O-dimethyl phosphorothioate and its salts. 3,784,546, 1-8-74, Cl. 260-256.50r.
Sharpe, Thomas H. Self-starting series jet engine with throttling assemblies. 3,800,529, 4-2-74, Cl. 60-241.000.
Sharpe, Thomas H. Self-starting annular jet engine with plural burner and bypass duet. 3,800,531, 4-2-74, Cl. 60-263.000.
Sharpe, Thomas H. Jet engine method. 3,841,090, 10-15-74, Cl. 60-204.000.
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Sharrow, Clarence C. Load fasteners. 3,848,889, 11-19-74, Cl. 280-179.00a.
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Krjukov, Nikolai Mikhailovich; Shparber, Lazar Yakovlevich; Egorov, Anatoly Fedorovich; Denisov, Jury Petrovich; Bakshinov, Alexi Stepanovich; Shatlin, Alexei Leontievich; Kiyashko, Vladimir Safonovich; Krylov, Vitaly Nikolorvich; Marsuversky, Boris Alexanrovich; Saifutdinov, Rafik Khisamovich; and Vier, Vladimir Ivanovich, 3,792,850.
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Shatto, Howard L., Jr.; and Van Dommelen, Johannes A. W. J., to Shell Oil Company. Well re-entry tool with bumperhead. 3,788,396, 1-29-74, Cl. 166-.500.
Shattuck, Ewart H. Method and apparatus for texturing yarn. 3,805,342, 4-23-74, Cl. 28-1.300.
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Shaumian, Grigor Arutjunovich. Multispindle automatic machine. 3,844,187, 10-29-74, Cl. 82-3.000.
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Shaw, Allen Frederick, to Superflexit Limited. Dissipation of electrostatic charges from insulating materials. 3,845,186, 10-29-74, Cl. 264-104.000.

Shaw, Avey. Fishing line attachment. 3,831,308, 8-27-74, Cl. 43-43.130.

Shaw, Benjamin Chandler, to Bendix Corporation, The. Boost circuit for saturating output stages of high power amplifiers. 3,828,207, 8-6-74, Cl. 307-254.000.

Shaw, Bernard, to General Electric Company. Bulb making method. 3,788,830, 1-29-74, Cl. 65-110.000.

Shaw, Charles H., to Monsanto Company. Belted preforms. 3,823,818, 7-16-74, Cl. 206-390.000.

Shaw, Daniel J. C., to International Harvester Company. Hydraulic control valve. 3,815,631, 6-11-74, Cl. 137-596.000.

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Shaw, David L., to Scott Paper Company. Soft, absorbent, fibrous, sheet material formed by avoiding mechanical compression of the fiber furnish until the sheet is at least 80% dry. 3,821,068, 6-28-74, Cl. 162-111.000.

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Shaw, Donald L.; and McLaughlin, Lawrence D., to General Motors Corporation. Method of forming simulated stitches. 3,847,699, 11-12-74, Cl. 156-251.000.

Shaw, Elliott N., to Polaroid Corporation. Gelatin composition containing a halomethyl ketone of benzyloxycarbonyl phenylalanine. 3,832,198, 8-27-74, Cl. 106-135.000.

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Shaw, Frank D., to American Smelting and Refining Company. Electrical current measurement and rapidly locating and positively identifying cathodes having abnormal electrical conditions associated therewith in an electrolytic copper refining process tankhoue. 3,793,166, 2-19-74, Cl. 204-108.000.

Shaw, Frank D. Therapeutic boot. 3,845,769, 11-5-74, Cl. 128-165.000.

Shaw, Frank Donald, to Saft Batteries Limited. Battery cell spacer. 3,846,179, 11-5-74, Cl. 136-171.000.

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Shaw, Gilbert; and Thompson, Martin Vesper, to Polymers, Inc. Sweeping elements. 3,829,923, 8-20-74, Cl. 15-159.00a.

Shaw, Gordon; and Cusack, Noel James, to University of Bradford, The. 1-Amine nucleosides. 3,816,399, 6-11-74, Cl. 260-211.50r.

Shaw, Gordon Brian, to Pickford, Holland & Company Limited. Electrodes for glass furnaces. 3,813,468, 5-28-74, Cl. 13-6.000.

Shaw, Gray: *See—*
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Shaw, James Thomas; and Lilley, Raymond Percy Arthur, to Baker Perkins Limited. Finishing machine with a workpiece conveying system. 3,828,482, 8-13-74, Cl. 51-121.000.

Shaw, James Thomas; Fawcett,Colin Graham; and Lilley, Raymond Percy Arthur, to Baker Perkins Limited. Clamping mechanism. 3,830,022, 8-20-74, Cl. 51-217.000.

Shaw, John, to Glevum Industrial Designers Limited. Buoyancy weighing scales. 3,786,882, 1-22-74, Cl. 177-207.000.

Shaw, John Arthur, to Colgate-Palmolive Company. Package of collapsible tubes and tray therefor. 3,797,648, 3-19-74, Cl. 206-277.000.

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Shaw, Joseph Denman. Bottom coded programmed dispenser. 3,802,600, 4-9-74, Cl. 221-5.000.

Shaw, Joseph Denman. Programmed article dispensing apparatus. 3,814,281, 6-4-74, Cl. 221-5.000.

Shaw, Joseph Denman. Programmed article dispenser. 3,847,301, 11-12-74, Cl. 221-5.000.

Shaw, Keith E. Information storage and retrieval system and apparatus. 3,826,028, 7-30-74, Cl. 40-70.000.

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Shaw, Malcolm William, to Shaw, M. W., (Steelworkers) Limited. Implements. 3,823,916, 7-16-74, Cl. 254-132.000.

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Shaw, Roy L., Ir., to United States of America, Agriculture. Process for making potato starch without waste. 3,813,297, 5-28-74, Cl. 127-66.000.

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Sheppard, Richard H. Dual hydraulic power steering system with hydrostatic control. 3,848,693, 11-19-74, Cl. 180-79.20r.
Sheppard, Ronald J., to Du Pont De Nemours, E. I., and Company. Acrylic coating composition for refinishing flexible substrates. 3,829,397, 8-13-74, Cl. 260-31.80m.
Sheppard, William Arthur: *See—*
Cairncross, Allan; and Sheppard, William Arthur, 3,817,784.
Sheppard, William L., to AVM Corporation. Exhaust control valve. 3,796,408, 3-12-74, Cl. 251-58.000.
Sheppard, William L., to AVM Corporation. Valve system. 3,805,522, 4-23-74, Cl. 60-290.000.
Sheppard, William L., to AVM Corporation. Linkage system. 3,807,245, 4-30-74, Cl. 74-102.000.
Sheppard, William L. Fluid valves. 3,827,456, 8-6-74, Cl. 137-525.000.
Sherain, Monroe B.: *See—*
Fischer, Leonard G.; Sherain, Monroe B.; and Strum, Klemens, 3,830,948.
Sheran, Carl P., to Du Pont de Nemours, E. I., and Company. Process for making a conductive-mix electrical initiator. 3,793,920, 2-26-74, Cl. 86-1.00r.
Sheratte, Martin B., to McDonnell Douglas Corporation. Fire-resistant functional fluid compositions. 3,795,619, 3-5-74, Cl. 252-78.000.
Sheratte, Martin B., to McDonnell Douglas Corporation. Functional fluid compositions. 3,795,620, 3-5-74, Cl. 252-78.000.
Sheratte, Martin B., to McDonnell Douglas Corporation. Fire-resistant functional fluids. 3,795,621, 3-5-74, Cl. 252-78.000.
Sheratte, Martin B., to McDonnell Douglas Corporation. Functional fluids. 3,849,324, 11-19-74, Cl. 252-78.000.
Sherburne, Arthur E.: *See—*
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Sherby, Oleg D.; Huseby, Irvin C.; and Whalen, Robert E., to United States of America, Navy. Method of making a composite alloy. 3,827,921, 8-6-74, Cl. 148-11.50r.
Shere, Kenneth E., to National Automatic Tool Company, Inc. Method for remelting sprue material. 3,824,298, 7-16-74, Cl. 264-161.000.
Sherer, C. Richard; and Foyle, Russell M., to DND Corporation. Pipe cutting device. 3,807,047, 4-30-74, Cl. 30-97.000.
Sheridan, Anthony Terence; and Stewart, Ian, to British Steel Corporation. Tuyeres. 3,840,219, 10-8-74, Cl. 266-41.000.
Sheridan, David S.: *See—*
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Sheridan, David S. Sterile handling catheter assemblies. 3,853,130, 12-10-74, Cl. 128-349.00r.
Sheridan, John J., III, to Engelhard Minerals & Chemicals Corporation. Process for purifying clay by selective flocculation. 3,837,482, 9-24-74, Cl. 209-5.000.
Sheridan, Robert W.: *See—*
Zysk, Edward D.; Robertson, Allen R.; Cisz, Michael; and Sheridan, Robert W., 3,836,402.
Sheridon, Nicholas K., to Xerox Corporation. Cyclic recording system by the use of an elastomer in an electric field. 3,842,406, 10-15-74, Cl. 340-173.00r.
Sheridon, Nicholas K., to Xerox Corporation. Cyclic recording system by the use of an elastomer in an electric field. 3,853,614, 12-10-74, Cl. 117-217.000.
Sherk, Fred T.: *See—*
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Sherk, Fred T., to Phillips Petroleum Company. Preparation of metal salt slurries from metal salt solutions. 3,787,487, 1-22-74, Cl. 260-515.00p.
Sherk, Fred T.; and Kubicek, Donald H., to Phillips Petroleum Company. Cleavage of aromatic thioether. 3,799,989, 3-26-74, Cl. 260-609.00d.
Sherk, Thomas A.; and Tummala, Rao R., to International Business Machines Corporation. Bi_2O_3 containing PbO-ZnO-B_2O_3 low temperature sealing glass. 3,841,883, 10-15-74, Cl. 106-53.000.
Sherlock, Hugh Paul: *See—*
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Sherlock, John W.: *See—*
Daubman, Edward A.; and Sherlock, John W., 3,814,260.
Sherlock, Margaret, to Schering Corporation. Compositons of 1,2-dilower alkyl arylpyrazolium quarternary salts and method of lowering blood sugar levels with same. 3,818,096, 6-18-74, Cl. 424-273.000.
Sherlock, Margaret H., to Schering Corporation. N-methyl d-glucamine salt of 2(2'-methyl-3'-trifluoromethylanilino) nicotinic acid. 3,839,344, 10-1-74, Cl. 260-295.50r.
Sherlock, Margaret H.; and Sperber, Nathan, to Schering Corporation. Cyclopropane carboxylic acid derivatives. 3,857,880, 12-31-74, Cl. 260-515.00r.
Sherlock, Mary Ellen. Removable table covering. 3,785,419, 1-15-74, Cl. 150-52.00r.
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Chadwick, William H., Jr., 3,844,536.
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Schied, Thomas; and Wright, Edward J., 3,848,542.
Sherman, Carl W.: *See—*
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Sherman, Donald R. Hand propelled cart. 3,797,849, 3-19-74, Cl. 280-47.370.
Sherman, Earle C., to Olinkraft, Inc. Multi-level, in-line system for packaging articles. 3,832,822, 9-3-74, Cl. 53-32.000.
Sherman, Edward: *See—*
Dunlop, Andrew P.; Sherman, Edward; and Wuskell, Joseph P., 3,845,138.
Sherman, Everett L., to Gillette Company, The. Apparatus for assembling razor blade units. 3,795,965, 3-12-74, Cl. 29-208.00d.
Sherman, Frederick A.: *See—*
McClellan, Ronald E.; and Sherman, Frederick A., 3,806,886.
Sherman, Frederick A., to GTE Information Systems Incorporated. Data transfer apparatus. 3,786,435, 1-15-74, Cl. 340-172.500.
Sherman, Frederick A., to GTE Information Systems, Incorporated. System for transferring data. 3,787,820, 1-22-74, Cl. 340-172.500.
Sherman, George R., to General Electric Company. Hinged adapter duct for oven vent. 3,847,135, 11-12-74, Cl. 126-21.00r.
Sherman, Guy J. Contact lens holder and storage container useful in a method for cleaning contact lenses. 3,856,571, 12-24-74, Cl. 134-34.000.
Sherman, James Leonard, to Du Pont de Nemours, E. I., and Company. Deoxidation of copper. 3,844,772, 10-29-74, Cl. 75-76.000.
Sherman, James Webster; and Raab, Ronald Buxton, to Johns-Manville Corporation. Laminated article. 3,837,992, 9-24-74, Cl. 161-89.000.
Sherman, John D.: *See—*
Cioccio, Armand; Whitman, Edward C.; Cottrell, James E., Jr.; McQuitty, Jim B.; Sherman, John D.; and Weinmann, Helmut T., 3,803,543.
Sherman, Lawrence V. Electro-kinetic, parallel-series, dynamic brake for alternating current motors. 3,851,233, 11-26-74, Cl. 318-212.000.
Sherman, Marshall L.: *See—*
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Sherman, Melvin J. Disposable device for applying mouth to mouth resuscitation. 3,802,428, 4-9-74, Cl. 128-145.500.
Sherman, Morton, to Celotex Corporation, The. Easy release suspension system. 3,857,216, 12-31-74, Cl. 52-489.000.
Sherman, Nelson D.: *See—*
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Seltzer, Raymond; Gordon, David A.; and Sherman, Paul D., 3,814,719.
Sherman, Paul L. Re-useable diaper with integral moisture confining means. 3,838,693, 10-1-74, Cl. 128-287.000.

Sherman, Peter M., to Hydrodynamic Development Corporation. Marine propulsion system. 3,793,980, 2-26-74, Cl. 115-39.000.
Sherman, Philip, to Instrument Development Laboratories, Inc. Domain wall propagating device. 3,789,374, 1-29-74, Cl. 340-174.0pw.
Sherman, Philip, to Instrument Development Laboratories, Inc. Method of making a domain wall propagating device. 3,813,769, 6-4-74, Cl. 29-604.000.
Sherman, Ralph H. Table protector. 3,782,435, 1-1-74, Cl. 150-52.00r.
Sherman, Roger M., to Lockwood Corporation. Valve construction for irrigation systems. 3,794,248, 2-26-74, Cl. 239-533.000.
Sherman, Roger M. Adjustable valve for use on irrigation pipes. 3,794,294, 2-26-74, Cl. 251-145.000.
Sherman, Roger M. Adjustable valve for use on irrigation pipes. 3,837,619, 9-24-74, Cl. 251-145.000.
Sherman, Stanley A. Low-pass non-linear filter. 3,796,971, 3-12-74, Cl. 333-17.000.
Sherman Supersonic Industries Western, Inc.: *See—*
Andersen, Dan A., 3,814,053.
Sherman, Thomas D. Fishing reel. 3,795,072, 3-5-74, Cl. 43-25.000.
Sherman Universal Corporation: *See—*
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Sherman, Warren S.; and Verdouw, Albert J., to General Motors Corporation. Recirculating combustion apparatus jet pump. 3,851,467, 12-3-74, Cl. 60-39.650.
Sherman, William F. Method of making grinding wheel mounts. 3,800,483, 4-2-74, Cl. 51-376.000.
Sheroff, Melvin S. Needle bar. 3,799,090, 3-26-74, Cl. 112-221.000.
Sheron, Herman D.: *See—*
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Sherr, Solomon, to North Hills Electronics, Inc. Multi-dimensional liquid crystal assembly addressing system. 3,848,247, 11-12-74, Cl. 340-324.00m.
Sherrard-Smith, Kenneth Irwin, to Imperial Chemical Industries, Limited. Calender rolls. 3,811,165, 5-21-74, Cl. 29-132.000.
Sherrill, Frank Odell, to B/W Metals Company, Inc. Sneeze guard. 3,847,250, 11-12-74, Cl. 186-1.00r.
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Shersher, Yakov Isaevich. Artificial hip-joint with detachable insert. 3,818,512, 6-25-74, Cl. 3-1.000.
Sherstnev, Ebgeny Sergeevich: *See—*
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Schneider, Charles A., 3,829,522.
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Miller, Leon F.; Herbruggen, Henry J.; and Shields, Robert G., 3,815,662.
Sherwood, Donald W.; and Siconolfi, Carmine A., to Hooker Chemical Corporation. Phenolic based unsaturated polyester resin. 3,800,004, 3-26-74, Cl. 260-848.000.
Sherwood, Donald W.; Tideswell, Richard B.; and Kujawa, Francis M., to Hooker Chemical Corporation. Polymerizates of hydroxyetherified phenolic resin esterified with unsaturated polycarboxylic acid and laminates therefrom. 3,800,005, 3-26-74, Cl. 260-848.00.
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Gerard, William L.; and Ruck, John D., 3,783,996.
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Sherwood, Noble, to Textron, Inc. Rotary valve engine. 3,822,682, 7-9-74, Cl. 123-73.00d.
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Sheth, Krishnakant K.: *See—*
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Sheth, Krishnakant K.; Stallings, John P.; and Reiter, William M., to Universal PVC Resins, Inc. Method of reducing polymerization of vinyl chloride in a monomer recovery system. 3,808,184, 4-30-74, Cl. 260-92.80a.
Sheth, Prabhakar Ranchhordas: *See—*
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Shether, Tobias H. R.; and Kelton, William J. Fork lift. 3,799,379, 3-26-74, Cl. 214-515.000.
Shetty, Bola Vithal, to Pennwalt Corporation. 2-Benzazepinylalkylamino-benzamide derivatives. 3,846,408, 11-5-74, Cl. 260-239.0bb.
Shetty, Bola Vithal, to Pennwalt Corporation. 1-(Phthalimido-alkyl)-1,2,3,4-tetrahydroquinazolinones and analogues thereof. 3,846,427, 11-5-74, Cl. 260-256.40q.
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Shevin, Jack R. Means for attaching a key tag to key ring or chain. 3,841,121, 10-15-74, Cl. 70-456.00r.

Shevlin, Robert, to Varisystems Corporation. Programmable controller. 3,833,887, 9-3-74, Cl. 340-172.500.

Shevlin, Thomas S., to Minnesota Mining and Manufacturing Company. Device for storing and cooking food. 3,784,787, 1-8-74, Cl. 219-386.000.

Shevlin, Thomas S., to Minnesota Mining and Manufacturing Company. Device and method for storing and cooking food. 3,830,148, 8-20-74, Cl. 99-359.000.

Shevtsov, Anatoly Ivanovich: *See*—
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Shew, David Sun. Equipment for manufacturing printed matter. 3,824,614, 7-16-74, Cl. 354-292.000.

Sheward, William H., to Foster, Frank H., mesne. Board game apparatus. 3,809,408, 5-7-74, Cl. 273-134.00b.

Shewbridge, George. Binding strap for coiled articles and the like. 3,835,505, 9-17-74, Cl. 24-16.00r.

Shewchuk, John. Coupling for break away pole bases. 3,837,752, 9-24-74, Cl. 403-2.000.

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Shiba, Kamekichi, to Oval Engineering Co., Ltd. Orifice flow meter. 3,805,612, 4-23-74, Cl. 73-211.000.

Shiba, Keisoke; Hinata, Masanao; Yamasue, Koutarou; Sato, Akira; and Ikeda, Tadashi, to Fuji Photo Film Co., Ltd. Photographic silver halide light-sensitive materials. 3,790,390, 2-5-74, Cl. 96-125.000.

Shiba, Keisuke: *See*—
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Shiba, Keisuke; Sano, Kazuya; Okumura, Akio; and Kubodera, Seiiti, to Fuji Photo Film Co., Ltd. Direct positive color photographic materials. 3,790,388, 2-5-74, Cl. 96-100.000.

Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; and Yoshida, Yoshinobu, to Fuji Photo Film Co., Ltd. Color photographic light-sensitive materials for diffusion transfer process. 3,793,031, 2-19-74, Cl. 96-99.000.

Shiba, Keisuke; Kubodera, Seiiti; and Sakai, Takeo, to Fuji Photo Film Co., Ltd. Photographic supersensitized silver halide emulsion. 3,804,634, 4-16-74, Cl. 96-125.000.

Shiba, Keisuke; and Sato, Akira, to Fuji Photo Film Co., Ltd. Spectrally sensitized silver halide photographic emulsion. 3,808,008, 4-30-74, Cl. 96-124.000.

Shiba, Keisuke; and Sato, Akira, to Fuji Photo Film Co., Ltd. Silver halide supersensitized photographic emulsion. 3,814,609, 6-4-74, Cl. 96-124.000.

Shiba, Keisuke; Amano, Hiroyuki; Ueda, Hirozo; and Sato, Akira, to Fuji Photo Film Co., Ltd. Direct positive photographic material containing a color coupler under one micron in size and fogged silver halide grains with substantially no internal sensitivit having adsorbed on the surface a desensitizing dye containing a solubilizing group. 3,816,121, 6-11-74, Cl. 96-97.000.

Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Ogawa, Akira; and Ikeda, Takashi, to Fuji Photo Film Co., Ltd. Silver halide photographic supersensitized emulsions. 3,832,189, 8-27-74, Cl. 96-124.000.

Shiba, Keisuke; Sato, Akira; and Ogawa, Akira, to Fuji Photo Film Co., Ltd. Spectrally sensitized silver halide photographic emulsion. 3,837,862, 9-24-74, Cl. 96-126.000.

Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; and Yoshida, Yoshinobu, to Fuji Photo Film Co., Ltd. Green sensitive silver halide photographic emulsion. 3,840,373, 10-8-74, Cl. 96-77.000.

Shiba, Keisuke; Hinata, Masanao; Oishi, Yasushi; Yoshida, Yoshinobu; and Sato, Akira. Supersensitized color photographic material. 3,840,376, 10-8-74, Cl. 96-99.000.

Shiba, Keisuke; Takei, Haruo; Sonoda, Minoru; Miyasaka, Nobuaki; Sato, Akira; and Ogawa, Akira, to Fuji Photo Film Co., Ltd. Supersensitized silver halide photographic emulsions. 3,840,377, 10-8-74, Cl. 96-124.000.

Shiba, Keisuke; and Sato, Akira, to Fuji Photo Film Co., Ltd. Silver halide supersensitized photographic emulsion. 3,849,147, 11-19-74, Cl. 96-124.000.

Shiba, Keisuke; Amano, Hiroyuki; Ueda, Hirozo; and Sato, Akira, to Fuji Photo Film Co., Ltd. Direct positive-type multi-layer light-sensitive material. 3,854,953, 12-17-74, Cl. 96-101.000.

Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Ogawa, Akira; and Ikeda, Tadashi, to Fuji Photo Film Co., Ltd. Supersensitized silver halide photographic emulsions. 3,854,955, 12-17-74, Cl. 96-124.000.

Shibamoto, Iwao. Safety device for vehicles such as automobiles. 3,791,666, 2-12-74, Cl. 280-150.0ab.

Shibano, Naoki: *See*—
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Shibanuma, Tadao: *See*—
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Shibaoka, Haruo; and Matsushita, Sachio, to Fuji Photo Film Co., Ltd. Composition for processing silver halide photographic light-sensitive elements. 3,811,888, 5-21-74, Cl. 96-66.00r.

Shibasaki, Yukihisa: *See*—
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Shibata, Akio, to Eisai Co., Ltd. Addition of hydroxamic acid derivatives to feeds for reducing odor of poultry excrement. 3,857,946, 12-31-74, Cl. 424-266.000.

Shibata, Akira: *See*—
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Shibata, Akira, to Chugai Electric Industrial Co., Ltd. Graphite-containing ferrous-titanium carbide composition. 3,782,930, 1-1-74, Cl. 75-204.000.

Shibata, Akira, to Chugai Electric Industrial Co., Ltd. Process for preparing composite silber cadmium oxide alloy contact with silver cadmium surface. 3,814,640, 6-4-74, Cl. 148-6.300.

Shibata, Fukuo, to Kawasaki Jukogyo Kabushiki Kaisha. Electric control system of an electric machine arrangement combining electromagnetic coupling with an electric rotating machine. 3,789,281, 1-29-74, Cl. 318-139.000.

Shibata, Fukuo, to Kawasaki Jukogyo Kabushiki Kaisha. Electric control system for driving an electric vehicle. 3,796,278, 3-12-74, Cl. 180-65.000.

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Shoemaker, Leon H., to National Mine Service Company. Dual braking system for a mining locomotive. 3,804,214, 4-16-74, Cl. 188-107.000.

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Shofner, Frederick M., to Environmental Systems Corporation. System for making particle measurements. 3,797,937, 3-19-74, Cl. 356-102.000.

Shoge, Kaoru: *See—*
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Shogren, David K., to Xerox Corporation. Imaging system. 3,788,740, 1-29-74, Cl. 355-51.000.

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Shoichi Ohshima, to Toyota Jidosha Kogyo Kabushiki Kaisha. Governor valve assembly for an automatic transmission. 3,799,183, 3-26-74, Cl. 137-56.000.

Shoikhet, Grigory Yankelevich: *See—*
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Shoji, Akira, to Toyo Automation Co., Ltd. Sensing device of acceleration and vibration. 3,813,505, 5-28-74, Cl. 200-61.45r.

Shoji, Akira; Toda, Takao; Tanaka, Kano; and Hirashima, Takashi, to Canon Kabushiki Kaisha. Film cutting device. 3,822,624, 7-9-74, Cl. 83-208.000.

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Shoji, Masahiro: *See—*
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Shokuhin, S. & B., Co., Ltd.: *See—*
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Sholtes, Carl E., to Westinghouse Electric Corporation. Method of fabricating a cooling chamber for a water cooler. 3,820,214, 6-28-74, Cl. 29-157.30r.

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Shonk, Robert Dean; Wade, Malcolm Smith; and Tolle, Glenn Edwin, to Willchemo, Inc. Solid urea having a deodorizing coating. 3,802,903, 4-9-74, Cl. 117-16.000.

Shono, Tetsuji, to Asahi Kogaku Kogyo Kabushiki Kaisha. Self-timer. 3,804,204, 4-16-74, Cl. 185-39.000.

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Shook, Russel W. Apparatus for controlling flow of blood. 3,825,008, 7-23-74, Cl. 128-327.000.

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Shoot, Lyle E., to Mallory, P. R. & Co., Inc. Cathode electrode for operation under conditions of reverse polarity voltage. 3,845,364, 10-29-74, Cl. 317-230.000.

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Shopsky, Harvey J., to Robertshaw Controls Company. Cased heat resistant alloy to reduce mercury corrosion. 3,812,718, 5-28-74, Cl. 73-368.000.

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Shore, David N.: *See—*
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Shore, David Teignmouth, to A. P. V. Company Limited, The. Heat exchangers. 3,814,172, 6-4-74, Cl. 165-12.000.

Shore, David Teignmouth; and Starkie, Granville Lewis, to A. P. V. Company Limited, The. Heat treatment of flowable solids. 3,837,271, 9-24-74, Cl. 99-468.000.

Shore, Donald Arthur; and Hart, David Edward, to Colodense Limited. Rotary printing machine with stop members for cylinder adjustments. 3,792,658, 2-19-74, Cl. 101-247.000.

Shore, Frank. Frame-selection picture frame simulator. 3,798,798, 3-26-74, Cl. 35-53.000.

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Shore, Paul B., to Shorewood Packaging Corporation. Method of forming phonograph record jacket. 3,802,326, 4-9-74, Cl. 93-61.00r.

Shore, Paul B., to Shorewood Packaging Corporation. Phonograph record jacket. 3,826,360, 7-30-74, Cl. 206-312.000.

Shore, Paul L., to Tapecaster TCM, Inc. Tape cartridge. 3,822,835, 7-9-74, Cl. 242-55.19a.

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Shorin, Joseph E.; and Ricci, Vero, to Aggogle Inc. Muffin separator. 3,828,995, 8-13-74, Cl. 225-94.000.

Shorr, Leonard Marshall; and Waterman, Jacques A. Novel polymeric compositions and their preparation. 3,806,496, 4-23-74, Cl. 260-78.50b.

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Short, George E., to Searle, G. D., & Co. Compositions for the sustained release of 17a-ethyl 19-nortestosterone. 3,830,907, 8-20-74, Cl. 424-19.000.

Short, Glyn David; and Van Ingen, Jan Willem Frederik, to Imperial Chemical Industries Limited. Photosensitive materials sensitized with a substituted isoalloxazine. 3,822,133, 7-2-74, Cl. 96-88.000.

Short, J. R., Milling Company: *See—*
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Short, James L., to Ecodyne Corporation. Method of separating cation and anion exchange resins. 3,826,761, 7-30-74, Cl. 260-2.10r.

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Short, John P.: *See—*
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Short, Oliver A.; and Weaver, Richard V., to Du Pont de Nemours, E. I., and Company. Gold powder. 3,811,906, 5-21-74, Cl. 106-290.000.

Short, Oliver Alton, to Du Pont de Nemours, E. I., and Company. Ceramic capacitors with noble electrodes alloy. 3,798,516, 3-19-74, Cl. 317-258.000.

Short, Oliver Alton, to Du Pont de Nemours, E. I., and Company. Gold alloy metallizations for capacitor electrodes. 3,817,758, 6-18-74, Cl. 106-1.000.

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Short, Thomas W., to Levitz Furniture Corporation. Mezzanine-storage warehouse with integral retail showroom facilities. 3,803,778, 4-16-74, Cl. 52-33.000.

Short, Thomas W., to Levitz Furniture Corporation. Combination warehouse - retail sales facility. 3,846,947, 11-12-74, Cl. 52-236.000.

Shortall, John J.; and Oliver, Calvin C., to Southwire Company. Corona test device and method. 3,783,377, 1-1-74, Cl. 324-72.000.

Shorten, James A. Direct reading specific gravity indicator. 3,854,338, 12-17-74, Cl. 73-433.000.

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Shorter, Robin Ashley Clovis. Anchor head for post-stressed reinforced concrete structures. 3,801,067, 4-2-74, Cl. 254-29.00a.

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Andreev, Oleg Semenovich; Birjukov, Boris Konstantinovich; Byzov, Yury Mikhailovich; Lekhtman, Moisei Abramovich; Perelberg, Azik Iosifovich; Strimbling, Semen Itskhovich; Trachevsky, Boris Sergeevich; Fikhman, Isak Berovich; Cherepakha, Pavel Andreevich; nd Shraifeld, Tamara Yakovlevna, 3,821,749.
Shramovich, John W.: *See—*
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Shreve, Russell L. Brake actuated mechanism. 3,782,507, 1-1-74, Cl. 188-2.00d.
Shrier, Adam L.: *See—*
Leder, Frederic; Savage, David W.; and Shrier, Adam L., 3,848,057.
Shrier, Adam L.; and Danckwerts, Peter V., to Exxon Research and Engineering Company. Promoting scrubbing of acid gases. 3,856,921, 12-24-74, Cl. 423-228.000.
Shriver, Charles S., to Orbit Manufacturing Company. Streamlined diffuser plate for a baseboard heater. 3,815,670, 6-11-74, Cl. 165-55.000.
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Shroeder, Melvin P. Reverberatory furnace with air cooled inlet. 3,802,679, 4-9-74, Cl. 266-33.00r.
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Shroff, James R.; and Bandurco, Victor, to USV Pharmaceutical Corporation. 1,4-Disubstituted piperazines. 3,793,322, 2-19-74, Cl. 260-268.00c.
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Vassiliades, Anthony E.; Nauman, Edward F.; and Shroff, Shrenik, 3,816,169.
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Vassiliades, Anthony E.; Vincent, David N.; and Shroff, Shrenik, 3,824,114.
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Shropshire, Lester F., to Cyclops Industries, Inc. Sight glass assembly. 3,782,809, 1-1-74, Cl. 350-319.000.
Shroyer, Larry L.: *See—*

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Shrum, William M., to Mexton Manufacturing Company. Seismic sensing apparatus. 3,815,710, 6-11-74, Cl. 187-29.00r.
Shtarkman, Boris Petrovich: *See—*
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Shu, Ping; and Dann, Murray, to American Cyanamid Company. Method for the production and isolation of antibiotic AV290 sulfate. 3,819,836, 6-25-74, Cl. 424-124.000.
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Shuart, Barry L. Building panel connection means and method. 3,851,428, 12-3-74, Cl. 52-285.000.
Shubb, Richard; and Coontz, David. Capo for five string banjo. 3,834,267, 9-10-74, Cl. 84-318.000.
Shubeck, John V. Musical tone generating apparatus. 3,800,652, 4-3-74, Cl. 84-404.000.
Shubel, Edward J.: *See—*
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Shubert, Roland H.: *See—*
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Shubert, Roland H. Method for treatment of coal washery waters. 3,856,668, 12-24-74, Cl. 210-21.000.
Shubin, Vladimir Nikolaevich; Silantiev, Viktor Sergeevich; Khlyntsev, Alexandr Sergeevich; and Barsova, Antonina Petrovna. Cantilever bending head of a tube bending machine. 3,845,648, 11-5-74, Cl. 72-173.000.
Shuck, Lowell Zane. Torque transducer and method of measuring torque. 3,782,184, 1-1-74, Cl. 73-101.000.
Shudo, Yasunobu, to Hitachi Shipbuilding and Engineering Co., Ltd. Slurry carrying vessel. 3,810,547, 5-14-74, Cl. 210-242.000.
Shue, Robert S.; and Campbell, Robert W., to Phillips Petroleum Company. Copolyamides of 2,2-bis(4-aminocyclohexyl)propanes and a mixture of alkane dicarboxylic acids. 3,840,501, 10-8-74, Cl. 260-78.00r.
Shue, Robert S., to Phillips Petroleum Company. Olefin coupling in the presence of palladium carboxylates. 3,855,329, 12-17-74, Cl. 260-668.00r.
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Shuey, Kenneth C.; and Baker, Donal E., to Westinghouse Electric Corporation. Alternating current sensing circuit and method. 3,811,073, 5-14-74, Cl. 317-31.000.
Shuey, Scott James; Smith, Wallace Leland; and Wilk, Harold G., to Borg-Warner Corporation. Multi-stage centrifugal pump with means for pulse cancellation. 3,788,764, 1-29-74, Cl. 415-198.000.
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Shuffman, Oscar: *See—*
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Shuford, Lloyd N., to Simplimatic Engineering Company. Quick adjusting guide rail for conveyor. 3,844,405, 10-29-74, Cl. 198-204.000.
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Shuin, Masakazu, to Mitsui Mining & Smelting Co., Ltd. Process for treating electrolytic manganese dioxide. 3,844,912, 10-29-74, Cl. 204-96.000.
Shuji, Irie: *See—*
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Shuki, Albert R.; and Smola, Dennis E., to Standard Oil Company, The. Manufacture of unsaturated polyesters. 3,838,106, 9-24-74, Cl. 260-75.00m.
Shular, Howard Edward, to Pyronics, Inc. Burner apparatus for flame propagation control. 3,836,315, 9-17-74, Cl. 431-9.000.
Shulda, Raymond E.: *See—*
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Shuler, F. William; and Dyck, John. Folding system for multi-sectional implement. 3,844,358, 10-29-74, Cl. 172-311.000.
Shuler, James F., to Park Electrochemical Corporation. Handle replacement apparatus. 3,791,402, 2-12-74, Cl. 137-315.000.
Shulick, Robert J.; Needham, Lyle L.; and Swanson, Harold V., to Babson Bros. Co. Milking stall with forcer gate. 3,805,742, 4-23-74, Cl. 199-27.000.
Shulkin, Robert A. Golf club assembly having interchangeable inner flex members. 3,833,223, 9-3-74, Cl. 273-194.00r.
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Shull, John D., Jr.; Smith, Richard W.; Schneller, Joseph W.; and Burke, William R., to National Gypsum Company. Drywall joint systems and method for making the same. 3,842,551, 10-22-74, Cl. 52-127.000.
Shull, Robert W.: *See—*
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Shull, Robert W., to Anchor Hocking Corporation. Closure cap liner. 3,786,954, 1-22-74, Cl. 215-40.000.
Shull, William A.; and Barker, Gerald C., to Coherent Radiation. Gaseous laser with cathode forming optical resonator support and plasma tube envelope. 3,851,272, 11-26-74, Cl. 331-94.500.
Shulman, Charles R., to Randy Mfg. Co., Inc. Folding mechanism. 3,791,324, 2-12-74, Cl. 112-138.000.
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Shults, Thomas B. Trotline reel. 3,818,625, 6-25-74, Cl. 43-27.400.
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Shumaker, Charles Storer, to Wean United, Inc. Continuous rolling mill. 3,835,681, 9-17-74, Cl. 72-10.000.
Shumaker, Gary Allen, to Lubrizol Corporation, The. Cleaning of metals with compositions containing alkali metal silicate and chloride. 3,847,663, 11-12-74, Cl. 134-2.000.
Shumaker, John F.; and Morehouse, James O., to Case, J. I., Company. Backhoe boom lock. 3,811,582, 5-21-74, Cl. 214-138.000.
Shumaker, Willis L., to Standard Oil Company. Acid gas burner. 3,782,884, 1-1-74, Cl. 431-186.000.
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Meyer, Rich B., Jr.; Shuman, Dennis A.; and Robins, Roland K., 3,852,267.

Shuman, Dennis A.; and Robins, Roland K., to International Chemical & Nuclear Corporation. 2'-O-Methyladenosine 3',5'-cyclic phosphate. 3,816,400, 6-11-74, Cl. 260-211.50r.

Shuman, Dennis A.; and Robins, Roland K. Nucleoside 3,5-cyclic phosphorothioates. 3,853,844, 12-10-74, Cl. 260-211.50r.

Shuman, Richard F., to Merck & Co., Inc. Method for the preparation of 2-acetamidoethyl (4-chlorophenyl)-alpha;haloacetate. 3,828,088, 8-6-74, Cl. 260-453.00r.

Shumate, Marvin T.; and Williams, Bobby G. Fishing reel. 3,784,124, 1-8-74, Cl. 242-84.10r.

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Shupp, Robert W. Lantern tote. 3,797,643, 3-19-74, Cl. 206-1.00r.

Shur, Ira, to Flair Manufacturing Corporation. Fluid flow isolation/regulation valve. 3,799,499, 3-26-74, Cl. 251-290.000.

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Shurgan, Joel: *See*—
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Shurgot, John M.; and Ruebel, Roy D. Sectional ski. 3,797,838, 3-19-74, Cl. 280-11.13k.

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Baglai, Vitaly Mikhailovich; Shuruev, Lev Andreevich; Medovar, Boris Izrailevich; Alferov, Jury Fedorovich; Pentegov, Igor Valerianovich; and Popov, Viktor Andreevich, 3,801,718.
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Shute, Andrew Alfred Thomas. Device for freeing a fouled anchor. 3,809,001, 5-7-74, Cl. 114-206.00r.

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Shute, Wallace B. Surgical instrument. 3,809,091, 5-7-74, Cl. 128-303.000.

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Shwayder, Warren M.; and Sfar, Baruch, said Sfar assor. to said Shwayder, Warren M. Saw and impact resistant security bar and method of making same. 3,844,019, 10-29-74, Cl. 29-420.500.

Shweid, John David, to Morris, John, Company, Inc. Turnout coat. 3,833,938, 9-10-74, Cl. 2-96.000.

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Sibert, Ralph R.; and Misley, Paul R. Fretted stringed instruments. 3,791,252, 2-12-74, Cl. 84-314.000.

Sibeud, Jean Paul, to Automobiles M. Berliet. Device for measuring the specific consumption of internal combustion engines. 3,789,381, 1-29-74, Cl. 340-207.00r.

Sibgatulin, Kharis Malikovich: *See*—
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Sibley, Henry C.; Auer, John H., Jr.; and Smith, Willis R., to General Signal Corporation. Overspeed detector for vehicle control system. 3,825,744, 7-23-74, Cl. 246-182.00c.

Sibley, Louis F., 1/2 to Gillespie Corporation. Foldable jack and/or baggage carrier for a snow mobile. 3,785,541, 1-15-74, Cl. 224-42.080.

Sibley, Louis F., 1/2 to Gillespie Corporation. Vehicle bumper. 3,785,688, 1-15-74, Cl. 293-62.000.

Sibuya, Chisei; Ouchi, Shunji; and Hayashi, Shigeyoshi, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of unsaturated aldehyde cyanhydrins. 3,850,976, 11-26-74, Cl. 260-465.600.

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Sichak, George, to Pullman Incorporated. Lading retention apparatus. 3,850,113, 11-26-74, Cl. 105-482.000.

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Sichel, Leonard H., Jr.: *See*—
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Siciliano, Anthony J., to Diamond International Corporation. End to end egg transfer mechanism. 3,783,990, 1-8-74, Cl. 198-20.00r.

Siciliano, George R., to General Electric Company. Continuous process for producing polysiloxane oils utilizing a carbon black catalyst. 3,853,933, 12-10-74, Cl. 260-448.20e.

Siciliano, George R.; and Holdstock, Norman G., to General Electric Company. Continuous process for producing polysiloxane oils. 3,853,934, 12-10-74, Cl. 260-448.20e.

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Sidebotham, Ernest William; and Jackson, Alan, to United Kingdom Atomic Energy Authority. Cooling fins of radiation shielding material on containers for transporting radioactive material. 3,808,446, 4-30-74, Cl. 250-506.000.

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Sidey, Michael: *See*—
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Sidford, Michael John, to Secretary of State for Defence. Cavity backed dipole-slot antenna for circular polarization. 3,813,674, 5-28-74, Cl. 343-730.000.

Sidi, Henri, to Tenneco Chemicals, Inc. Surface-coating compositions that contain carbamates of P-hydroxybenzoates. 3,808,011, 4-30-74, Cl. 106-18.000.

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Sidiropoulos, Konstantin. Magnetic locking mechanism. 3,857,262, 12-31-74, Cl. 70-276.000.

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Sidles, James, to Goodrich, B. F., Company, The. Mud resistant tire. 3,817,306, 6-18-74, Cl. 152-209.00r.

Sidley, Henry, to Vulco-Sidley Machine Company (Proprietary) Limited. Glove producing apparatus. 3,843,296, 10-22-74, Cl. 425-270.000.

Sidlin, Zinovy Abramovich: *See*—

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Sidwell, Albert Edwin, to Hercules Incorporated. Separation of dioxin and 2,4,5-T from dioxin and 2,4,5-T-contaminated silvex. 3,840,592, 10-8-74, Cl. 260-521.00h.

Sidwell, Albert Edwin, to Hercules Incorporated. Separation of 2,4,5-T and 2,3,7,8 tetrachlorodilenzo-p-dioxin from 2-(2,45-trichlorophenoxy) propionic acid contaminated therewith. 3,840,593, 10-8-74, Cl. 260-521.00h.

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Sieben, Karl Heinrich, to Gebr. Hilgeland. Safety mechanism in the drive of an ejection pin, especially of a bolt press, for guarding against overload. 3,802,014, 4-9-74, Cl. 10-23.000.

Sieben, Karl Heinrich; and Pieper, Wilhelm, to Gebr. Hilgeland. Shearing device in bolt, ball or roller presses for shearing off wire sections. 3,808,930, 5-7-74, Cl. 83-379.000.

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Siebers, Gunter; Prenzel, Karl; and Barthel, Hans. Means for performing gear changes in multi-ratio change-speed gear boxes. 3,808,738, 5-7-74, Cl. 74-339.000.

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Sieffert, William G., to Olinkraft, Inc. Shipping container. 3,820,709, 6-28-74, Cl. 229-40.000.

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Siegal, Burton L., to Tiffany Industries, Inc. Panel locking devices. 3,841,042, 10u15-74, Cl. 52-239.000.

Siegal, Jack. Nail nippers. 3,844,032, 10-29-74, Cl. 30-28.000.

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Siegart, William R.; Suber, Ralph C.; Blackley, William D.; and Dadura, James G., to Texaco Inc. Method for preparing fluorocarbon dispersions. 3,806,455, 4-23-74, Cl. 252-46.700.

Siegart, William R.; Blackley, William D.; and Chafetz, Harry, to Texaco Inc. Process for preparing hydroxy derivatives of fluorinated polymers. 3,847,887, 11-12-74, Cl. 260-93.50a.

Siegel, Edgar, to Bayer Aktiengesellschaft. Phenylacrylic acid-N-[4'-(parasubstituted phenolazo)-phenyl]-amide compounds. 3,793,309, 2-19-74, Cl. 260-207.000.

Siegel, Edgar, to Bayer Aktiengesellschaft. 2-Hydroxy-5-lower alkyl-4'[4-lower alkoxy-6-sulpho or sulphato-hydrocarbylamino-1:3:5-triazine-2-YL amino]-azobenlenc. 3,843,623, 10-22-74, Cl. 260-153.000.

Siegel, Edgar, to Bayer Aktiengesellschaft. Substituted 4-(N-sulphoalkylene-aminosulphonyl)-phenyl-azo-phenyl compounds. 3,852,263, 12-3-74, Cl. 260-205.000.

Siegel, Emil, to Bosch, Robert, Fernsehanlagen GmbH. Vertical deflection circuit for a color television camera having different raster sizes in its channels. 3,821,592, 6-28-74, Cl. 315-13.00c.

Siegel, Israel. Differential temperature fluid motor. 3,841,097, 10-15-74, Cl. 60-517.000.

Siegel, Israel. Temperature differential fluid motor. 3,846,984, 11-12-74, Cl. 60-509.000.

Siegel, Jack. Treatment of grain with yeast and flour produced from said grain. 3,833,737, 9-3-74, Cl. 426-18.000.

Siegel, Leon J., to Weldotron Corporation. Electronic protection and sensing apparatus. 3,836,828, 9-17-74, Cl. 317-146.000.

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Siegel, Norman H. Aerosol spray device with cam activator. 3,841,525, 10-15-74, Cl. 222-70.000.

Siegel, Pierre Louis; and Delorme, Raymond Louis, to Societe Honeywell Bull (Societe Anonyme). Device for adjusting the position of flexible strip provided with lateral perforations. 3,811,609, 5-21-74, Cl. 226-52.000.

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Siegel, Sidney. Drive for sewing machine or the like using magnetic force transmission. 3,831,537, 8-27-74, Cl. 112-220.000.

Siegel, William. Planar work holder. 3,826,483, 7-30-74, Cl. 269-203.000.

Siegel, William A.; Aafjes, Herman C., Jr.; and Marx, Herman, to Fischer & Porter Company. Integral orifice assembly for head meters. 3,822,592, 7-9-74, Cl. 73-211.000.

Siegelman, Abe; Quoss, Robert N.; and Pawlak, Raymond M., to Beckman Instruments, Inc. Low-pressure inking system and ink therefor. 3,856,536, 12-24-74, Cl. 106-22.000.

Siegemund, Gunter: *See*—
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Siegenthaler, Walter, to Maschinenfabrik Scharer. Apparatus for winding materials, such as threads, yarns or bands into cross-wound bobbins. 3,823,886, 7-16-74, Cl. 242-43.100.

Siegfried Aktiengesellschaft: *See*—
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Siegfried, Kofink, to Eberspacher, J. Device for operating a combustion device, such as a space heater. 3,792,958, 2-19-74, Cl. 431-1.000.

Siegl, Herbert: *See*—
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Siegla, Donald C., to General Motors Corporation. Regenerator seal. 3,856,077, 12-24-74, Cl. 165-9.000.

Siegle, John Carl; and Wolfe, Homer Bagenstose, to Du Pont de Nemours, E. I., and Company. Polymeric UV stabilizers for substantially hydrocarbon polymers. 3,849,373, 11-19-74, Cl. 260-47.0up.

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Siegmann, Arnon, to Allied Chemical Corporation. Method of producing polyethylene terephthalate fibers. 3,846,377, 11-5-74, Cl. 260-75.00t.

Siegmann, Robert H., to Shell Oil Company. Process for the purification of isoprene. 3,792,105, 2-12-74, Cl. 260-681.50r.

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Siegmund, Walter P.; and Strack, Richard R., to American Optical Corporation. Fiber razor blade. 3,805,387, 4-23-74, Cl. 30-346.530.

Siegmund, Walter P., to American Optical Corporation. Drawing optical fiber under superatmospheric pressure. 3,837,824, 9-24-74, Cl. 65-4.000.

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Sigal, Michael R. Molding press. 3,843,304, 10-22-74, Cl. 425-411.000.

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Sigg, Conrad. Apparatus for burning waste matter. 3,791,316, 2-12-74, Cl. 110-8.00r.

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Siglow, Joachim; and Witte, Karl, to Siemens Aktiengesellschaft. Method and apparatus for synchronizing a receiver for phase-difference modulated data signals. 3,803,492, 4-9-74, Cl. 325-320.000.

Sigma, Kenji, to Sanyei Merchandise Co., Ltd. Hand muscle developing apparatus with counter enclosed in housing. 3,807,729, 4-30-74, Cl. 272-68.000.

Sigma, Kenji, to Sanyei Merchandise Co., Ltd. Spring type exercising device. 3,822,061, 7-2-74, Cl. 272-83.00r.

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Signore, James C., to AVM Corporation. Cabinet drawer suspension system. 3,836,223, 9-17-74, Cl. 312-350.000.

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Sigott, Siegfried; Zitz, Alfred; and Sussenbeck, Heinrich, to Oesterreichisch-Alpine Montangesellschaft. Device for vertically positioning the props of a mine roof supporting frame. 3,832,856, 9-3-74, Cl. 61-45.00d.

Sigott, Siegfried, to Vereinigte Osterreichische Eisen- und Stahlwerke-Alpine Montan Aktiengesellschaft. Divided tool cutter head have torque yielding coupling. 3,834,763, 9-10-74, Cl. 299-85.000.

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Sigwald, Jacques, to Automobiles Peugeot and Regie Nationale des Usines Renault. Carburetor device for an engine. 3,850,153, 11-26-74, Cl. 123-127.000.

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Sihvonen, Yro T.; and Woodham, Jack D., Jr., to Texas Instruments Incorporated. Selective metallization process. 3,839,083, 10-1-74, Cl. 117-212.000.

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Siirtola, Esko Eemeli. Scoop belt conveyor. 3,854,571, 12-17-74, Cl. 198-162.000.

Sijbring, Pieter Herman, to Instituut voor Bewaring en Verwerking van Landbouwprodukten. Process and apparatus for preparing fried edible products. 3,812,775, 5-28-74, Cl. 99-404.000.

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Sikora, Orwill Granger; Culver, David Wayne; and Kircik, Willis James, to Chicago Bridge & Iron Company. Vessel or tank with supporting system. 3,792,795, 2-19-74, Cl. 220-18.000.

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Silber, Terence Brian. Seat belt actuating means. 3,830,518, 8-20-74, Cl. 280-150.0sb.

Silbereisen, Dieter: *See—*
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Silbereisen, Hermann; Winterberg, Felix; and Ginzel, Severin. Hydraulic metal powder press. 3,788,787, 1-29-74, Cl. 425-78.000.

Silberman, Fernando J.: *See—*
Kline, Luis; and Silberman, Fernando J., 3,797,279.

Silbermann, Erich, to Siemens Aktiengesellschaft. Electrical contact pin receptacle element. 3,805,220, 4-16-74, Cl. 339-258.00r.

Silbermann, Erich, to Siemens Aktiengesellschaft. Partition with openings for plugging through voltage-carrying contacts. 3,846,576, 11-5-74, Cl. 174-67.000.

Silbermann, Karl: *See—*
Dietz, Kurt; Lenert, August; Silbermann, Karl; Appelt, Gunther; and Elsas, Adolf, 3,836,803.

Silberschlag, Russell E., to Borg-Warner Corporation. Floating caliper disc brake. 3,819,015, 6-25-74, Cl. 188-73.300.

Silbersmith, Donald Jack; and Strain, Robert Joseph, to Bell Telephone Laboratories, Incorporated. Detection, inversion, and regeneration in charge transfer apparatus. 3,838,438, 9-24-74, Cl. 357-24.000.

Silbert, Leonard S.; and Konen, Dolores A., to United States of America, Agriculture. Process for the preparation of peroxy acids. 3,819,688, 6-25-74, Cl. 260-502.00r.

Silbert, Leonard S.; and Konen, Dolores A., to United States of America, Agriculture. Phosphoric-carboxylc acid anhydrides. 3,835,203, 9-10-74, Cl. 260-935.000.

Silbert, Leonard S.; Pfeefer, Philip E.; and Konen, Dolores A., to United States of America, Agriculture. 2-Hydroperoxycarboxylic acids and their preparation. 3,847,956, 11-12-74, Cl. 260-413.000.

Silbiger, Jakob: *See—*
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Silec-Semi-Conducteurs: *See—*
Dumas, Guy, 3,795,045.
Dumas, Guy H., 3,848,158.

Siler, Charles A., to Outboard Marine Corporation. Side gas seal means for rotary mechanisms. 3,834,845, 9-10-74, Cl. 418-142.000.

Siler, Joseph T. Method of assembling members having misaligned holes. 3,783,496, 1-8-74, Cl. 29-464.000.

Siler, Lawrence L. Electronic apparatus for detection and identification of energized and/or nonenergized electrical conductors. 3,829,765, 8-13-74, Cl. 324-67.000.

Silicon Technology Corporation: *See—*
Schumacher, Frederick A.; and Wolds, Keith H., 3,827,421.

Silk, Edmond J.; and Moore, Claude A., to Babcock & Wilcox Company, The. Fuel rod fabrication. 3,828,518, 8-13-74, Cl. 53-12.000.

Sill, Arthur D.: *See—*
Fleming, Robert W.; and Sill, Arthur D., 3,856,789.

Sill, Arthur D.; and Sweet, Francis W., to Richardson-Merrell Inc. Xanthene and thioxanthene derivatives. 3,817,992, 6-18-74, Cl. 260-240.100.

Sill, Arthur D., to Richardson-Merrell Inc. Substituted 9,10-dihydroanthracenes. 3,838,177, 9-24-74, Cl. 260-351.000.

Sill, Arthur D., to Richardson-Merrell Inc. Benzanthracene derivatives. 3,842,100, 10-15-74, Cl. 260-364.000.

Sill, Arthur D.; and Fleming, Robert W., to Richardson-Merrell Inc. Anthraquinone derivatives. 3,847,953, 11-12-74, Cl. 260-376.000.

Sillaots, Argo Aleksandrovich; Kuuse, Nikolai Ivanovich; Randmaa, Toenu Romanovich; and Loo, Villo Johannesovich. Apparatus to form fibrous laps from webs. 3,842,465, 10-22-74, Cl. 19-163.000.

Sillay, Roy S., to Celanese Corporation. Stable fiber package comprising overlying wraps of a fibrous tape. 3,785,483, 1-15-74, Cl. 206-59.00a.

Sillion, Bernard: *See—*
Cohen, Choua; Giuliani, Pierre; and Sillion, Bernard, 3,793,291.
Haemmerly, Bernard; Sillion, Bernard; and De Gaudemaris, Gabriel, 3,804,852.
Mileo Jean-Claude; Sillion, Bernard; and de Gaudemaris, Gabriel, 3,824,248.

Sills, Cecil M. Mechanical pipe couplings. 3,851,901, 12-3-74, Cl. 285-112.090.

Sills, John T.: *See—*
Klee, David J.; and Sills, John T., 3,813,895.

Silo Verfahrens AG: *See—*
Lipp, Xaver, 3,838,498.

Silresim Chemical Corporation: *See—*
Miserlis, John G.; and Petrou, Arthur, 3,803,005.

Silva, Antonia Vicente, to Westinghouse Electric Corporation. Automatic extension control. 3,820,365, 6-28-74, Cl. 72-8.000.

Silva, Antonio V. System to compensate for roll eccentricity effects and/or to simulate a mill with variable stretch characteristics. 3,793,860, 2-26-74, Cl. 72-11.000.

Silva, Claudio De Sa E, to Info Systems, Inc. Power output stage for use in low-power radio frequency transmitters. 3,835,390, 9-10-74, Cl. 325-105.000.

Silva, Joseph, 1/2 to Freier, Saul. Fork lift clamp. 3,797,687, 3-19-74, Cl. 214-620.000.

Silva, Joseph W.: *See—*
Irish, Charles G., Jr.; Silva, Joseph W.; and Cowles, Raymond I., 3,795,195.
Irish, Charles G., Jr.; Silva, Joseph W.; and Owles, Raymond I., 3,799,055.
Irish, Charles G., Jr.; Silva, Joseph W.; and Cowles, Raymond I., 3,815,507.

Silva, Lawrence M.: *See—*
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Silva, Manuel F. Lobster trap. 3,841,016, 10-15-74, Cl. 43-100.000.

Silva, Melvin W. Storage unit for pickup trucks. 3,799,605, 3-26-74, Cl. 246-23.0mc.

Silver, Allen S.: *See—*
Feintuch, Martin W.; and Silver, Allen S., 3,787,838.

Silver, David A.: *See—*
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Silver, Frederick. Strip-chart holder. 3,787,990, 1-29-74, Cl. 40-86.00r.

Silver, Jules: *See—*
Zackheim, Eli A., 3,823,840.

Silver, Julius L., to Lith-Kem Corporation. Planographic printing plates and method for their preparation. 3,836,366, 9-17-74, Cl. 96-33.000.

Silver Lining, Inc.: *See—*
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Silver, Marvin: *See—*
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Silver Top Manufacturing Company, Inc.: *See—*
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Silverado Industries, Inc., mesne: *See—*
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Silverberg, Carl G.: *See—*
Defg, Emil W.; Silverberg, Carl G.; and Martel, Leslie B., 3,811,857.

Silverberg, Morton, to Xerox Corporation. Corona generating apparatus. 3,813,547, 5-28-74, Cl. 250-324.000.

Silverberg, Morton, to Xerox Corporation. Corona generating methods and apparatus therefor. 3,813,548, 5-28-74, Cl. 250-324.000.

Silverbow Industries, Inc.: *See—*
Grigg, Donald A., 3,835,487.

Silverman, Alan, to American Can Company. Method for heat treating a polar, dielectric parison. 3,786,221, 1-15-74, Cl. 219-10.570.

Silverman, Arnold B.: *See—*
Gilbert, Verne E.; and Silverman, Arnold B., 3,826,717.

Silverman, Avrum. Photographic coloring element and process. 3,798,037, 3-19-74, Cl. 96-74.000.

Silverman, Bernard, to Monsanto Company. Stabilization of pigmented nylon against actinic radiation. 3,806,487, 4-23-74, Cl. 260-37.00n.

Silverman, Daniel: *See—*
Johnson, Everett A.; and Silverman, Daniel, 3,807,828.

Silverman, Daniel. Vibrator system for generating seismic waves in the earth. 3,789,951, 2-5-74, Cl. 181-.5vm.

Silverman, Daniel. High density information system using multiple strips. 3,790,755, 2-5-74, Cl. 235-61.11e.

Silverman, Daniel; and Johnson, Everett A. Authentication of access to information records. 3,818,190, 6-18-74, Cl. 235-61.70r.

Silverman, Daniel; and Johnson, Everett A. Access control system. 3,829,661, 8-13-74, Cl. 235-61.70b.

Silverman, Daniel. Apparatus for transferring a unique micropattern of microperforations in a first metal layer to an underlying second metal layer. 3,832,547, 8-27-74, Cl. 250-319.000.

Silverman, Daniel. Control means for pressure fluid vibrators for generating seismic waves in the earth. 3,840,090, 10-8-74, Cl. 181-119.000.

Silverman, Edward Jerome: *See—*
Michelet, Robert Wilson; and Silverman, Edward Jerome, 3,811,050.

Silverman, Elliott; and Cohen, Morton. Orthodontic element. 3,797,115, 3-19-74, Cl. 32-14.00a.

Silverman, Emanuel. Centerless grinding fixture for synthetic crystal rods and the like. 3,835,589, 9-17-74, Cl. 51-103.0wh.

Silverman, Robert A.: *See—*
Burness, Donald M.; and Silverman, Robert A., 3,841,872.

Silverman, Robert A.; and Wright, Charles J., to Eastman Kodak Company. Hardening hydrophilic colloid silver halide emulsion layer with a 2-haloethylsulfonyl compound. 3,839,042, 10-1-74, Cl. 96-50.00r.

Silverman, Stephen E. Safety light circuit. 3,836,759, 9-17-74, Cl. 240-6.40w.

Silverman, Sydney H. Method for controlling psoriasis. 3,852,456, 12-3-74, Cl. 424-267.000.

Silvernail, Joe K. Window frame. 3,802,127, 4-9-74, Cl. 49-397.000.

Silverson Machines, Limited: *See—*
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Silverstein, Abraham: *See—*
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Silverstein, Bernard F. Loss-prevention wallet clamp and chain device. 3,822,446, 7-9-74, Cl. 24-3.00h.

Silverstein, Milton M.: *See—*
Ardezzone, Frank J.; and Silverstein, Milton M., 3,848,188.

Silverstein, Murray. Ladies undergarment. 3,852,828, 12-10-74, Cl. 2-224.00a.

Silverstein, Paul, to Applied Synthetics Corporation. Method and apparatus for producing a porous plastic film. 3,789,710, 2-5-74, Cl. 83-16.000.

Silverstein, Steven L.: *See—*
Thompson, Francis T.; Silverstein, Steven L.; and Sun, Shan C., 3,810,138.

Silverstein, Steven L.; and Daggett, Kenneth E., to Westinghouse Electric Corporation. Digital computer apparatus operative with jump instructions. 3,793,631, 2-19-74, Cl. 340-172.500.

Silverstone, Calvin Eric: *See—*
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O'Neill, John Sidney; Surrall, Alan John; and Silverstone, Calvin Eric, 3,821,981.
Penny, Robert Noel; Parker, Peter Harry; and Silverstone, Calvin Eric, 3,824,036.

Silverstri, Anthony J.: *See—*
Williams, Robert H.; Silverstri, Anthony J.; and Gorring, Robert L., 3,816,548.

Silvert, Dellwyn D. Soil pulverizer-screener. 3,802,640, 4-9-74, Cl. 241-101.700.

Silvertown, Cyril, to Rotax Limited. Alternators. 3,784,894, 1-8-74, Cl. 313-47.000.

Silverwater, Bernard F., to Pall Corporation. Magnetic pressure indicator. 3,785,332, 1-15-74, Cl. 116-70.000.

Silveston, Peter L.; and Hudgins, Robert R. Acceleration of oxidation processes over vanadia catalysts. 3,856,927, 12-24-74, Cl. 423-533.000.

Silvestri, Achille: *See—*
Fromm, Bernard W.; Silvestri, Achille; and Jones, Arthur R., Jr., 3,854,885.

Silvestri, Anthony J.: *See—*
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Silvestri, Giuseppe: *See—*
Ercoli, Raffaele; Guainazzi, Mauro; and Silvestri, Giuseppe, 3,791,944.
Ercoli, Raffaele; Silvestri, Giuseppe; Gambino, Salvatore; Guainazzi, Mauro; and Filardo, Giuseppe, 3,833,489.

Silvestri, Luigi; and Arioli, Vittorio, to Gruppo Lepetit S.p.A. Antibacterial compositions containing rifampicin and a pyrimidine derivative. 3,852,450, 12-3-74, Cl. 424-251.000.

Silvestrova, Iraida Mikhailovna: *See—*
Dobrzhansky, Georgy Fedorovich; Chestmir, Barta; Belyaev, Leonid Mikhailovich; Silvestrova, Iraida Mikhailovna; and Pisarevsky, Jury Vladimirovich, 3,843,234.

Silvetti, Anthony N. Method of treating wounds with a medicinal dressing. 3,812,252, 5-21-74, Cl. 424-180.000.

Silvi, James J.: *See—*
Marshall, Preston F.; and Silvi, James J., 3,812,553.

Silvia, Denis A. Initiation aimed explosive devices. 3,820,461, 6-28-74, Cl. 102-22.000.

Sim, Alexander Kennedy: *See—*
Daniels, Peter; and Sim, Alexander Kennedy, 3,787,474.

Sim, Alexander Kennedy. Fibrinolytic activators. 3,790,671, 2-5-74, Cl. 424e230.000.

Sim-Chem Limited (formerly Simon-Carves Chemical Engineering Ltd.): *See*—
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Simak, Lilia Alexeevna: *See*—
Grezdov, Gennady Ivanovich; Gischak, Kondrat Iosifovich; Logvinenko, Jury Pavlovich; Pukhov, Georgy Evgenievich; Simak, Lilia Alexeevna; and Kosmach, July Petrovich, 3,840,725.

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Irmscher, Klaus; Freisberg, Karl-Otto; Orth, Dieter; Nowak, Herbert; and Simane, Zdenek, 3,836,527.
Pohlke, Rolf; Jonas, Rochus; Mehrhof, Werner; Schlier, Hans-Jochen; Becker, Karl Heinz; Nowak, Herbert; and Simane, Zdenek, 3,838,147.

Simard, Albert. Fish Scaling machine. 3,787,927, 1-29-74, Cl. 17-64.000.

Simard, Joseph G. C.: *See*—
Goodnow, Warren H.; Cauvin, Sidney L., Jr.; and Simard, Joseph G. C., 3,812,024.

Simard-Duquesne, Nicole: *See*—
Sestanj, Kazimir; Simard-Duquesne, Nicole; and Dvornik, Dusan M., 3,821,383.

Simbirdt, Rashid I. Plug device. 3,836,035, 9-17-74, Cl. 220-24.500.

Simco Company, Inc., The: *See*—
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Sime, Malcolm A.; Lambeau, Eugene; and Zadoo, Vijay K., to Vapor Corporation. Inline valve with reverse pressure closing means. 3,792,716, 2-19-74, Cl. 137-492.000.

Simecek, Antonin: *See*—
Vosolsobe, Jan; Dohnalek, Rudolf; Kadlec, Bohumil; Michalek, Jiri; Simecek, Antonin; Cap, Miroslav; and Novak, Miroslav, 3,853,790.

Simek, Charles E.: *See*—
O'Neal, Wilbert O.; Page, Burford J.; and Simek, Charles E., 3,840,147.

Simens, Robert R. Apparatus for frying chicken. 3,800,692, 4-2-74, Cl. 99-332.000.

Simeth, Claus: *See*—
Presuss, Friedrich; and Simeth, Claus, 3,819,032.

Simeth, Claus, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Pile delivery with safety device. 3,834,495, 9-10-74, Cl. 187-29.00r.

Simeth, Claus, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Ink fountain blade for printing presses. 3,855,927, 12-24-74, Cl. 101-350.000.

Simhan, Krishna: *See*—
Sopko, John F.; and Simhan, Krishna, 3,850,679.

Simicich, Esperanto J.: *See*—
Tarjan, Peter F.; Goldstein, Jacob; and Simicich, Esperanto J., 3,804,082.

Simila, Pauli, to Valmet Oy. Method for determining the fibre orientation in paper of equivalent by the aid of light reflected by the paper. 3,807,868, 4-30-74, Cl. 356-118.000.

Siminski, Gerald W.: *See*—
Swann, Clifford; and Siminski, Gerald W., 3,813,052.

Simionescu, Radu; Manof, Alexandru-Ioan-Bogdan I.; and Nita, Constantin T., to Industria Tehnico Medicala. Respiratory reanimation and anaesthesia apparatus. 3,814,092, 6-4-74, Cl. 128-188.000.

Simitrov, Lyudmil Vasilev. Driven rotatable and reciprocable spindle operating in cycles of short duration. 3,855,869, 12-24-74, Cl. 74-22.00r.

Simizu, Sigeiti. Escape machine. 3,850,262, 11-26-74, Cl. 182-5.000.

Simizu, Tosio: *See*—
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Simjian, Luther G. Friction type exercising device with separate handgrip exerciser. 3,784,193, 1-8-74, Cl. 272-68.000.

Simjian, Luther G. Chair with moving seat and mirror. 3,806,189, 4-23-74, Cl. 297-185.000.

Simjian, Luther G. Merchandising arrangement utilizing a coded check. 3,824,544, 7-16-74, Cl. 340-147.00a.

Simkhovich, Fridrikh Levikovich: *See*—
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Simkins, Derek: *See*—
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Simko, Aladar O., to Ford Motor Company. Fuel injection pump. 3,856,438, 12-24-74, Cl. 417-270.000.

Simko, David M.: *See*—
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Simko, Gabriel, to PPG Industries, Inc. Glass Distortion scanning system. 3,799,679, 3-26-74, Cl. 356-200.000.

Simkus, Vyto: *See*—
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Jesevich, John; and Simkus, Vyto, 3,854,600.
Jesevich, John; and Simkus, Vyto, 3,856,162.

Simm Motor Units Ltd.: *See*—
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Simmen, Robert; and Chabloz, Olivier, to Mefina S.A. Fuse for non-gyratory missiles. 3,788,229, 1-29-74, Cl. 102-74.000.

Simmer, Eugene B. Charcoal starter structure. 3,799,141, 3-26-74, Cl. 126-25.00b.

Simmers, Charles Donald: *See*—
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Simmers, Charles F., to Pollock, Mayer, Steel Corporation. Shear and hold down device. 3,815,492, 6-11-74, Cl. 100-95.000.

Simmler, Walter: *See*—
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Simmonds, James F.; and Dennis, David S. Color shade analyzer. 3,802,783, 4-9-74, Cl. 356-195.000.

Simmonds, Leonard B.; and Ruffing, Charles R., to Westinghouse Electric Corporation. Stator coil bracing. 3,842,303, 10-15-74, Cl. 310-260.000.

Simmonds, Peter G.: *See*—
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Simmonds, Robert C., Jr.: *See*—
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Simmonds, Robert C., Jr., to USM Corporation. Method and apparatus for mixing and dispensing. 3,794,301, 2-26-74, Cl. 259-7.000.

Simmonds, Robin George: *See*—
Rodway, Ronald Ernest; and Simmonds, Robin George, 3,803,146.

Simmonnet, Jacques Louis Paul: *See*—
Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, 3,828,574.

Simmons, Bjorn Herman Olof, to Aktiebolaget Bofors. Devisible pyrotechnic device. 3,791,299, 2-12-74, Cl. 102-35.400.

Simmons, Bjorn Herman Olof, to Aktiebolaget Bofors. Parachute-borne flare assmblage. 3,834,312, 9-10-74, Cl. 102-35.400.

Simmons, Bjorn Herman Olof, to AB Bofors. Holder for pyrotechnical delay composition. 3,850,104, 11-26-74, Cl. 102-85.200.

Simmons, Carl E.; and Fernandes, Joseph F., to United Aircraft Products, Inc. Surface cooler. 3,783,935, 1-8-74, Cl. 165-44.000.

Simmons, Charles Clair, to Auto Crane Company. Safety reminder system for power machines. 3,827,040, 7-30-74, Cl. 340-267.00r.

Simmons, Clarence C. Frictional exercising apparatus. 3,811,672, 5-21-74, Cl. 272-79.00r.

Simmons Company: *See*—
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Simmons, David Harry, to Litton Systems, Inc. Transistor linearizer circuit. 3,839,647, 10-1-74, Cl. 307-229.000.

Simmons, David M., Jr.: *See*—
Evans, Robert W.; and Simmons, David M., Jr., 3,837,785.

Simmons, Dwane P.: *See*—
Lynn, Ray E.; and Simmons, Dwane P., 3,807,592.

Simmons, Edward E.: *See*—
Brumfield, Robert C.; and Simmons, Edward E., 3,807,958.

Simmons, George A., to Owens-Illinois, Inc. Glass ceramic and process therefor. 3,843,342, 10-22-74, Cl. 65-30.000.

Simmons, George A., to Owens-Illinois, Inc. Glass-ceramic and process therefor. 3,846,099, 11-5-74, Cl. 65-30.000.

Simmons, George M.: *See*—
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Simmons, J. V. Safety door guard. 3,804,454, 4-16-74, Cl. 292-262.000.

Simmons, James. Knife blade switch assembly with adjustable conducting blades. 3,800,106, 3-26-74, Cl. 200-15.000.

Simmons, John H.: *See*—
Daugherty, Donald A.; and Simmons, John H., 3,805,875.

Simmons, John Richard; and Westbury, Roy, to Lucas Aerospace Limited. Electro-hydraulic actuator arrangement. 3,808,947, 5-7-74, Cl. 91-363.00a.

Simmons, John T., Jr. End of page singal device for a typewriter. 3,819,029, 6-25-74, Cl. 197-189.000.

Simmons, Larry A., to Xerox Corporation. Xerographic erase mechanism. 3,792,913, 2-19-74, Cl. 355-7.000.

Simmons, Richard W.; and Berry, Stanley A., to Bendix Corporation, The. Data acquisition interface. 3,801,958, 4-2-74, Cl. 340-147.00g.

Simmons, Ronald L., to Hercules Incorporated. Random orientation of staple in slurry-cast propellants. 3,813,458, 5-28-74, Cl. 264-3.00c.

Simmons, Russell T., to General Electric Company. Oven temperature control. 3,809,862, 5-7-74, Cl. 219-512.000.

Simmons, Samuel P. Force focusing golf club. 3,817,522, 6-18-74, Cl. 273-78.000.

Simmons, Smith H.; and Caraway, Mitchel R., to Standard Fabricated Products Co., The. Prefabricated multi-story stair assembly. 3,788,018, 1-29-74, Cl. 52-185.000.

Simmons, Todd S.; Trinks, Rudolph H.; and Vit, Jaroslav, to National Patent Development Corporation. Organic solvent soluble metal aluminates. 3,852,309, 12-3-74, Cl. 260-347.700.

Simmons, William A., Jr.: *See*—
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Simms, Douglas Leon; Tolk, Norman Henry; and White, Clark Woody, to Bell Telephone Laboratories, Incorporated. Method for doping semiconductor bodies by neutral particle implantation. 3,790,411, 2-5-74, Cl. 148-1.500.

Simms Group Research & Development Limited: *See*—
Glikin, Paul Edgar; Miracki, Zdzislav Stanislav; and Phillips, Ronald, 3,857,374.

Simms, Michael L.: *See*—
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Simms, Robert A., to Corning Glass Works. Image storage device. 3,814,977, 6-4-74, Cl. 315-11.000.

Simoleit, Hartmut; and Schneider, Helmut, to Kali-Chemie Aktiengesellschaft. Process for recovering barium from barium sulfide leashing residures. 3,809,742, 5-7-74, Cl. 423-155.000.

Simon, Alan J.: *See*—
O'Keeffe, Terence W.; and Simon, Alan J., 3,840,749.

Simon, Charles J.: *See*—
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Simon, David: *See*—
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Simon, David Gavin: *See*—
Jennings, James Robert; and Simon, David Gavin, 3,786,032.

Simon, Donald J.; and Fitzmayer, Louis H., to General Electric Company. Electronic oven with mode exciter. 3,798,404, 3-19-74, Cl. 219-10.550.

Simon, Donald J.; and Fitzmayer, Louis H., to General Electric Company. Electronic oven with mode exciter and tuning probes. 3,823,295, 7-9-74, Cl. 219-10.550.

Simon, Edward J. Dispenser holder. 3,837,608, 9-24-74, Cl. 248-313.000.

Simon Engineering Dudley Limited: *See*—
Ashworth, Denis Henry, 3,800,912.
Ashworth, Denis Henry, 3,830,339.

Simon, Etienne: *See*—
Bourdon, Louis; Simon, Etienne; Borrel, Philippe; and Lehureau, Jean, 3,814,702.

Simon, Gerhard: *See*—
Rothgang, Gerhart; and Simon, Gerhard, 3,782,993.

Simon, Hans. Angle type feedthrough cable clamp. 3,809,798, 5-7-74, Cl. 174-59.000.

Simon, Heinz. Cigarette box. 3,851,506, 12-3-74, Cl. 70-271.000.

Simon, Henry, Limited: *See*—
Clancy, James Roger, 3,834,418.

Simon, Ivan: *See*—
Sawdo, Richard M.; and Simon, Ivan, 3,831,287.

Simon, Jack, to Athlone Industries, Inc. Garment fastener assembly and method for making the same. 3,800,368, 4-2-74, Cl. 24-216.000.

Simon, Jack, to Rabinowitz, L. M., & Company, a Division of Athlone Industries, Inc. Apparatus for making a fastener section for securing elastic material thereto. 3,810,435, 5-14-74, Cl. 112-105.000.

Simon, James B.: *See*—
Kolell, Norbert C.; and Simon, James B., 3,840,793.

Simon, James B.; and Bullock, Thomas B., to Giddings & Lewis, Inc. Reduction of servo following errors in position and velocity control systems of the iteratively computing type. 3,798,430, 3-19-74, Cl. 235-151.110.

Simon, Johannes; Etzbach, Volker; Grimm, Peter; and Ford, Wolfgang, to Linde Aktiengesellschaft. One flow cascade cycle with buffer volume bypass. 3,855,810, 12-24-74, Cl. 62-9.000.

Simon, Joseph A. Process for cold forming a metal tube with an inwardly thickened end. 3,837,205, 9-24-74, Cl. 72-260.000.

Simon, Karlheinz A., to Ingersoll-Rand Company. Drill rod handling apparatus. 3,828,943, 8-13-74, Cl. 214-2.500.

Simon, Knud, Industries Limited: *See*—
Simonsen, Knud; Jespersen, Knud; and Buller-Colthurst, Guy Edward, 3,792,508.

Simon, Leroy J., to Serta, Inc. Foundation spring unit. 3,840,915, 10-15-74, Cl. 5-261.000.

Simon, Lewis B.: *See*—
Daughenbaugh, Raymond S.; Simon, Lewis B.; and Braun, Frank R., 3,833,954.

Simon, Manfred: *See*—
Spielau, Paul; Betke, Erich; and Simon, Manfred, 3,850,725.

Simon, Marvin K.: *See*—
United States of America, National Aeronautics and Space Administration, 3,806,815.
United States of America, National Aeronautics and Space Administration, 3,828,138.

Simon, Max M. Golf practice device. 3,814,439, 6-4-74, Cl. 273-181.00r.

Simon, Michael, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Gas transfer system for liquid fuels. 3,803,858, 4-16-74, Cl. 62-52.000.

Simon, Michael, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Air cushion vehicle, especially rail-bound air cushion vehicle. 3,820,468, 6-28-74, Cl. 104-23.0fs.

Simon, Mildred Rackley. Transverse shoe stretcher. 3,818,527, 6-25-74, Cl. 12-115.600.

Simon, Murray L. Battery tool means. 3,802,793, 4-9-74, Cl. 408-204.000.

Simon, Myron S.: *See*—
Cieciuch, Ronald F. W.; and Simon, Myron S., 3,826,801.
Ellis, Ernest W.; MacGregor, Paul T.; and Simon, Myron S., 3,782,937.
Moore, Phylis T.; and Simon, Myron S., 3,856,714.

Simon, Myron S., to Polaroid Corporation. Alpha-cyanophenylacetic acid developing agents. 3,795,518, 3-5-74, Cl. 96-66.00r.

Simon, Myron S., to Polaroid Corporation. Photographic processes and products employing naphthol sulfonamidonaphthalides as optical filter agents. 3,811,881, 5-21-74, Cl. 96-3.000.

Simon, Myron S., to Polaroid Corporation. Phthalides and naphthalides. 3,833,614, 9-3-74, Cl. 260-343.20r.

Simon, Myron S.; and Waller, David P., to Polaroid Corporation. Naphthalides and phthalides. 3,833,615, 9-3-74, Cl. 260-343.20r.

Simon, Paul; and Jones, Robert E., Jr., to International Business Machines Corporation. Method for manufacturing a magnetic head. 3,787,964, 1-29-74, Cl. 29-603.000.

Simon, Paul R.: *See*—
Fernandez-Rana, Victoriano; Simon, Paul R.; and Peserik, James E., 3,842,719.

Simon, Philippe. Illuminated map. 3,824,591, 7-16-74, Cl. 340-381.00r.

Simon, Pierre: *See*—
Challier, Jean-Louis; Jenmart, Claude; Messer, Mayer Naoum; and Simon, Pierre, 3,818,011.
Jeanmart, Claude; Messer, Mayer Naoum; and Simon, Pierre, 3,822,269.

Simon, Stefan: *See*—
Friese, Axel; and Simon, Stefan, 3,845,767.

Simon, Stefan, to Hahn, Dr., Carl, GmbH. Method of and apparatus for looping tape around tampons. 3,814,469, 6-4-74, Cl. 289-1.500.

Simon, Stefan, to Hahn, Carl, Dr., GmbH. Apparatus for pressing absorbent cotton articles, particularly tampons for feminine hygiene. 3,845,520, 11-5-74, Cl. 19-144.500.

Simon, Stefan; Wolff, Justus; and Johst, Wolfgang, to Hahn, Carl, Dr., KG. Shape-retaining closure of a tubular package for tampons. 3,856,143, 12-24-74, Cl. 206-438.000.

Simon, Tibor: *See*—
Geiszler, Lorinc; Simon, Tibor; Varga, Mihaly; and Tolnay, Agoston, 3,843,057.

Simon, Walter: *See*—
Prochnow, Jurgen; and Simon, Walter, 3,791,300.

Simon, Warner H. Reel closure. 3,841,000, 10-15-74, Cl. 34-242.000.

Simon, Warren J.: *See*—
Hix, Velson Max; Simon, Warren J.; and Anderson, Donald Jay, 3,830,943.

Simon, Werner: *See*—
Fritz, Robert; and Simon, Werner, 3,838,231.

Simon, William F.: *See*—
Kristensen, Paul A.; and Simon, William F., 3,835,912.

Simon-Hartley Limited: *See*—
Austin, Eric Paul; Kemp, Geoffrey David; Tonelli, Fernando Antonio Francesca Modesto; and Marshall, Ian, 3,793,178.
Austin, Eric Paul, 3,817,865.
Rowley, Robert, 3,796,508.

Simon-Vermot, Andre, to Les Fabriques d'Assortiments Reunies. Regulating the frequency of an oscillatory system including a balance and a coiled spring. 3,782,169, 1-1-74, Cl. 73-6.000.

Simon-Vermot, Andre; and Hofer, Eric M., to Les Fabriques d'Assortiments Reunies. Method for manufacturing dials for watches and dials for watches manufactured according to said method. 3,793,824, 2-26-74, Cl. 58-91.000.

Simonazzi, Ampelio. Machine adapted for the application of seals or lids to bottles and containers. 3,807,133, 4-30-74, Cl. 53-306.000.

Simond, Jacques: *See—*
Mauvernay, Roland Yves; Busch, Norbert; Simond, Jacques; and Moleyre, Jacques, 3,818,000.
Mauvernay, Roland Yves; Busch, Norbert; Monteil, Andre; Simond, Jacques; and Moleyre, Jacques, 3,857,848.
Mauvernay, Roland-Yves; Busch, Norbert; Simond, Jacques; and Moleyre, Jacques, 3,790,569.

Simond, Ludgar. Ice crampons. 3,795,993, 3-12-74, Cl. 36-7.600.

Simond, Ludger. Joint assembly for striking tool. 3,834,826, 9-10-74, Cl. 403-374.000.

Simone, Dominic; and Herman, Daniel F., to NL Industries, Inc. Cellulose acetate butyrate film forming composition containing titanium dioxide microoxide. 3,789,039, 1-29-74, Cl. 260-17.00r.

Simone, Pasquale; and Schneider, Julius S., to Medi-Spec Corporation. Medical light and combating of hyperbilirubinemia. 3,822,706, 7-9-74, Cl. 128-396.000.

Simoneau, Alex: *See—*
Chaput, Victor B., 3,852,977.

Simoneau, Edward T.; Mueller, Richard E.; and Holdstock, Norman G., to General Electric Company. Silicone resins used as surfactants in vinyl chloride foam. 3,798,189, 3-19-74, Cl. 260-2.50p.

Simoneau, Edward T.; Moeller, Ricahrd E.; and Holdstock, Norman G., to General Electric Company. Silicone resins used as surfactants in vinyl chloride. 3,814,706, 6-4-74, Cl. 260-2.50p.

Simonelic, Joseph J., to GTE Automatic Electric Laboratories Incorporated. Active trimming of film deposited oscillators. 3,829,962, 8-20-74, Cl. 29-593.000.

Simonet, Guy; and Pivard, Claude, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes George Claude. Method of and installation for the fractionation of a gaseous mixture by adsorption. 3,796,022, 3-12-74, Cl. 55-25.000.

Simonetti, Franco: *See—*
Maspero, Federico; Perrotti, Emilio; and Simonetti, Franco, 3,857,867.

Simonetti, Sergio G. Ultrasonically driven cutting knife and method and apparatus for cutting a soft yielding bakery product. 3,817,141, 6-18-74, Cl. 83-651.000.

Simonian, John L.: *See—*
Keating, John T.; and Simonian, John L., 3,843,587.
Zalewski, Edmund J.; Simonian, John L.; and Keating, John T., 3,838,088.

Simonin, Jean-Claude; and Badoux, Jean-Daniel, to Fabrique de Machines Andre Bechler S.A. Movement control device for a single or multi-spindle device on an automatic loose-head machine tool. 3,826,161, 7-30-74, Cl. 82-2.00b.

Simonin, Rene: *See—*
Baillet, Paulin; Simonin, Rene; and Fouard, Jean-Claude, 3,850,541.

Simonini, Franco: *See—*
Drescher, Heinz; Lampe, Hans Hermann; Rudolph, Peter; and Simonini, Franco, 3,810,577.

Simonis, Wolfgang: *See—*
Flockenhaus, Claus; Simonis, Wolfgang; Beck, Kurt-Gunther; and Echterhoff, Heinrich, 3,849,258.

Simonovitch, Chaim: *See—*
Haber, Raphael Ralph G.; and Simonovitch, Chaim, 3,821,235.
Just, George E.; and Simonovitch, Chaim, 3,784,636.
Just, George E.; and Simonovitch, Chaim, 3,794,664.
Just, George E.; and Simonovitch, Chaim, 3,816,508.
Just, George E.; and Simonovitch, Chaim, 3,833,656.
Just, George F.; and Simonovitch, Chaim, 3,784,634.

Simons, Allison K., to Universal Oil Products Company. Vehicle seat suspension with variable spring rate. 3,823,932, 7-16-74, Cl. 267-133.000.

Simons, Charles W.: *See—*
O'Neill, Gerald J.; Simons, Charles W.; and Billings, Charles A., 3,825,606.
Russell, Philip W.; Simons, Charles W.; and Chupka, Francis L., Jr., 3,819,473.
Russell, Philip W.; Simons, Charles W.; and Chupka, Francis L., Jr., 3,833,442.

Simons, Charles W.; and Holdsworth, Robert S., to Grace, W. R., & Co. Anesthetic trifluoromethylcyclobutanes. 3,852,474, 12-3-74, Cl. 424-352.000.

Simons, Charles William: *See—*
O'Neill, Gerald Joseph; Simons, Charles William; and Billings, Charles A., 3,839,589.

Simons, Henry M., to Quaker Oats Company, The. Container orienter. 3,782,526, 1-1-74, Cl. 198-31.0aa.

Simons, Herbert D.; and Timmons, Frank E., to Sun Chemical Corporation. Shielding tapes. 3,819,443, 6-25-74, Cl. 156-204.000.

Simons, Herbert D.; and Timmons, Frank E., to Sun Chemical Corporation. Shielding tapes. 3,848,073, 11-12-74, Cl. 174-36.000.

Simons, Leon, to N & S Co. Turbine engine with valved, rotating combustion chamber. 3,791,139, 2-12-74, Cl. 60-39.340.

Simons, Leon; Lessig, Samuel H., Jr.; and Corrette, Richard H., to NL Industries, Inc. Die for forming lobed threads. 3,800,585, 4-2-74, Cl. 72-469.000.

Simons, Leon, to NL Industries, Inc. Vibration-resistant thread-forming screw. 3,850,074, 11-26-74, Cl. 85-46.000.

Simons, Leonard B. Cube shaped playing device with adjacent faces displaying adjacent countable indicia. 3,799,554, 3-26-74, Cl. 273-146.000.

Simons, Lonzo L.: *See—*
Berry, Ray J.; and Simons, Lonzo L., 3,852,945.

Simons, Michael J., to Eastman Kodak Company. Preparation of a silver salt of a fatty acid. 3,839,049, 10-1-74, Cl. 96-114.600.

Simonsen, Bent Pors; and Imhoff, Hans. Electrical discharge resistor. 3,858,146, 12-31-74, Cl. 338-55.000.

Simonsen, James. Method and apparatus for custom molding shoes and boots. 3,848,287, 11-19-74, Cl. 12-142.00p.

Simonsen, Knud; Jespersen, Knud; and Buller-Colthurst, Guy Edward, to Simon, Knud, Industries Limited. Sausage-supporting apparatus for use in smoke houses and the like. 3,792,508, 2-19-74, Cl. 17-44.400.

Simonte, Antonino: *See—*
Casey, William D.; Frank, William R.; and Simonte, Antonino, 3,819,224.

Simonton, Robert D.: *See—*
Hull, Donald R.; and Simonton, Robert D., 3,802,488.

Simonton, Robert D.; and Axe, Albert A., to Crescent Manufacturing Company. Automatic grinding machine. 3,822,510, 7-9-74, Cl. 51-96.000.

Simonton, Robert D.; Schultz, Carl D.; and Stiger, Clyde W., to Dale Products, Inc. Tube coupling for smooth walled tubes. 3,841,672, 10-15-74, Cl. 285-175.000.

Simorghi, Parviz. Separable key-head latch and case. 3,797,291, 3-19-74, Cl. 70-395.000.

Simoudis, John C., to Continental Can Company, Inc. Cobalt alloy steel composite article. 3,804,602, 4-16-74, Cl. 29-195.500.

Simovits, Stephen S., Jr.: *See—*
Dumas, Christ J.; and Simovits, Stephen S., Jr., 3,828,219.

Simovits, Stephen S., Jr.; and Dumas, Christ J., to American Plasticraft Company. Relay socket. 3,812,450, 5-21-74, Cl. 339-128.000.

Simpkin, William E. Emergency warning system with range control. 3,784,970, 1-8-74, Cl. 340-33.000.

Simpla Plastics Limited: *See—*
Hale, Max, 3,823,716.

Simplec Mfg. Co., Inc.: *See—*
Summers, Gerald C., 3,835,953.

Simplex Time Recorder Co.: *See—*
Danke, Rudolph B., 3,800,301.

Simplicity Manufacturing Co., Inc.: *See—*
Kamlukin, Igor; and Prevost, Michael T., 3,805,421.

Simplicity Manufacturing Company: *See—*
Freier, Edward, Jr., 3,789,684.

Simplimatic Engineering Company: *See—*
Shuford, Lloyd N., 3,844,405.

Simpro Corporation of America: *See—*
Penick, Ib, 3,785,260.

Simpson, Alexander Bowen: *See—*
Evans, David; and Simpson, Alexander Bowen, 3,844,251.

Simpson, Anthony Y.: *See—*
Joyce, Douglas D., Jr.; and Simpson, Anthony Y., 3,786,893.

Simpson, Anthony Yelverton: *See—*
Wright, Raymond Grenville Whitehead; and Simpson, Anthony Yelverton, 3,800,905.

Simpson, Anthony Yelverton, to Textron, Inc. Air cushion vehicle seal. 3,782,494, 1-1-74, Cl. 180-124.000.

Simpson, Arthur R.; and Egloff, Frank S., to Chicago Bridge & Iron Company. Rotating drum with elastomeric pad-mounted supporting rings. 3,783,918, 1-8-74, Cl. 144-208.00b.

Simpson, Arthur William; and Pocock, Frank William, to Spacials Limited. Bag forming machines. 3,838,631, 10-1-74, Cl. 93-19.000.

Simpson, Bruce L., trustee: *See—*
Kauffman, John H., 3,797,659.

Simpson, C. Wayne: *See—*
Baile, Clifton A.; Krabill, Lavern F.; and Simpson, C. Wayne, 3,818,101.

Simpson, Carl H. Neck sling pad. 3,788,308, 1-29-74, Cl. 128-94.000.

Simpson, Charles A.: *See—*
Shick, John W.; Davis, Robert H.; and Simpson, Charles A., 3,826,746.

Simpson, Charles A.; Davis, Robert H.; and Sedlak, Michael, to Mobil Oil Corporation. Nitrite concentration control device for water base metalworking fluids. 3,826,620, 7-30-74, Cl. 23-253.0tp.

Simpson, Charles William, to Rocla Concrete Pipes Limited. Concrete pipe with splayed socket. 3,815,641, 6-11-74, Cl. 138-155.000.

Simpson, Dale O.: *See—*
Carlberg, Edwin W., 3,783,884.

Simpson, David A.: *See—*
Breslow, David W.; and Simpson, David A., 3,847,609.

Simpson, Doyle E.: *See—*
Strickland, Bobby L.; and Simpson, Doyle E., 3,849,806.

Simpson, Eric, Jr.; and Fried, Morton, to Martin Marietta Aluminum Inc. Deck assembly. 3,813,839, 6-4-74, Cl. 52-588.000.

Simpson, Fred E.: *See—*
Clasper, Thomas; Hutton, Wilfred H.; Kessinger, Orville E., Jr.; Randour, Victor; and Simpson, Fred E., 3,842,475.

Simpson, Fred Eugene: *See—*
Freedy, Allan Leslie; Miller, Calvin Lyle; and Simpson, Fred Eugene, 3,847,451.

Simpson, Henry W.: *See—*
Bacon, James L.; Queener, Carl A.; and Simpson, Henry W., 3,821,938.

Simpson, Herbert S., trust: *See—*
Kauffman, John H., 3,797,659.

Simpson, J. C.: *See—*
Ferrill, Herbert E., Jr., 3,803,451.

Simpson, Jack N.; Ruck Heinz E.; and Bowers, Charles E., Jr., to Fibre-Metal Products Company, The. Ear protector. 3,795,014, 3-5-74, Cl. 2-209.000.

Simpson, Jack R.: *See—*
Saunders, Philip G.; Simpson, Jack R.; and Peer, Daniel R., 3,827,322.

Simpson, Jack R., to Container Graphics Corporation. Steel rule rotary die and method of making same. 3,805,657, 4-23-74, Cl. 83-522.000.

Simpson, James H., Jr., to Singer Company, The, mesne. Method and apparatus for sensing chemical process concentrations. 3,858,111, 12-31-74, Cl. 324-.50r.

Simpson, James L.: *See—*
Roy, Prodyot; Simpson, James L.; and Aitken, Edward A., 3,847,653.

Simpson, Joe R.: *See—*
Pan, Yu-Li; and Simpson, Joe R., 3,795,874.

Simpson, John H.: *See—*
Naud, John Raymond; and Simpson, John H., 3,822,542.

Simpson, John I.: *See—*
Hogan, Elmer R.; and Simpson, John I., 3,785,007.
Hogan, Elmer R.; and Simpson, John I., 3,793,675.

Simpson, Lee S. Traffic warning device. 3,800,735, 4-2-74, Cl. 116-63.00p.

Simpson Manufacturing Co., Inc.: *See—*
Gilb, Tyrell T., 3,857,218.

Simpson, Melvin L.: *See—*
Fleming, Donald A.; Garmon, Lee F., Jr.; and Simpson, Melvin L., 3,839,999.

Simpson, Melvyn I.: *See—*
Kallianos, Andrew G.; Warfield, Albert H.; and Simpson, Melvyn I., 3,787,501.
Kallianos, Andrew G.; Mold, James D.; and Simpson, Melvyn I., 3,806,521.
Mold, James D.; Kallianos, Andrew G.; Means, Richard E.; and Simpson, Melvyn I., 3,854,485.

Simpson, Orville, Company, The: *See—*
Lower, William, 3,819,050.

Simpson, Philip J., 50% to Boiteau, Maurice R. Valve assemblies. 3,801,233, 4-2-74, Cl. 417-441.000.

Simpson Pope Limited: *See—*
Burford, Bruce Alfred, 3,838,538.
Burford, Bruce Alfred, 3,853,113.

Simpson, Robert. Ship's hull. 3,822,661, 7-9-74, Cl. 114-56.000.

Simpson, Robert D.: *See—*
Boone, Jimmie H.; Chenkovich, Gary A.; Corcoran, Brian F.; Marley, Arley C., III; and Simpson, Robert D., 3,843,077.

Simpson, Robert D.; Boone, Jimmie H.; and Chenkovich, Gary A., to Boeing Company, The. Automatic approach landing and go-around pitch axis control system for aircraft. 3,801,049, 4-2-74, Cl. 244-77.00a.

Simpson, Robert D.; and Boone, Jimmie H., to Boeing Company, The. Automatic go-around control system for aircraft. 3,847,328, 11-12-74, Cl. 244-77.00a.

Simpson, Ruth M.: *See—*
McHardy, Nicholas; Berger, John; and Simpson, Ruth M., 3,795,737.

Simpson, Torrence, Jr.: *See—*
Haynie, Jack J.; Roland, David H.; and Simpson, Torrence, Jr., 3,801,132.

Simpson, Verne G.: *See—*
Glaister, Frank J.; Simpson, Verne G.; and De Zuba, George P., 3,814,722.

Simpson, William Leslie, to Newey Goodman Limited. Sewing machine attachments. 3,804,039, 4-16-74, Cl. 112-105.000.

Simpson, William Leslie, to Goodman, Newey, Limited. Sewing machines. 3,807,331, 4-30-74, Cl. 112-186.000.

Simpson, William R., to Sandoz-Wander, Inc. 2-Phenyl-4-substituted amino-quinazolines and nitrated thereof. 3,819,628, 6-25-74, Cl. 260-256.40q.

Simpson, William R., to Sandoz-Wander, Inc. Substituted sydnonimine nitrate esters. 3,833,589, 9-3-74, Cl. 260-268.00n.

Simpson, William R., to Sandoz-Wander, Inc. 4-(4-(Hydroxy alkyl)-1-piperazino)-quinazoline benzoates. 3,838,127, 9-24-74, Cl. 260-256.40q.

Simpson, William R., to Sandoz-Wander, Inc. Furo(3,2-c) pyridines[4-(τ-hydroxyalkyl)-1-piperazino]. 3,853,877, 12-10-74, Cl. 260-268.0ft.

Simpson, William R., to Sandoz-Wander, Inc. N-(N-(cyanoalkyl)-N-nitroso)amino-aminoalcohol esters. 3,853,891, 12-10-74, Cl. 260-293.870.

Simpson, William R., to Sandoz-Wander, Inc. Hydroxyalkyl-substituted-amino-quinolines and nitrates thereof. 3,856,796, 12-24-74, Cl. 260-288.00r.

Simpson, William R., to Sandoz-Wander, Inc. 1-Piperazinoisoquinolines as inotropic agents. 3,857,944, 12-31-74, Cl. 424-250.000.

Simpson, William R. J.: *See—*
Gabel, Lloyd; and Simpson, William R. J., 3,833,584.
Gabel, Lloyd P.; and Simpson, William R. J., 3,833,587.

Simpson, William Shaw: *See—*
Sanderson, Gary Warner; and Simpson, William Shaw, 3,787,582.

Simpson-Lawrence, Limited: *See—*
Lyall, Gordon M., 3,792,622.

Sims, Anker V., to Thermo-Mist Company. Sulfur recovery process. 3,838,979, 10-1-74, Cl. 23-293.00s.

Sims, Anson: *See—*
Jones, Lawrence T.; and Sims, Anson, 3,804,416.

Sims, Anson; Stastny, Edwin O.; and Deny, Janos, to Mattel, Inc. Mechanical accelerator for a vehicle toy. 3,789,542, 2-5-74, Cl. 46-1.00k.

Sims, Clarence R. Combination cleaner, polisher and waxing device for walls and floors. 3,820,905, 6-28-74, Cl. 401-140.000.

Sims, De Witt: *See—*
Krenke, Norman O.; and Sims, De Witt, 3,809,265.

Sims, Dewey M., Jr., to Burroughs Corporation. Keyboard switch assembly with improved operating means. 3,856,998, 12-24-74, Cl. 200-5.00a.

Sims, Glenn E.: *See—*
Lee, Paul L.; Wright, Sam B.; and Sims, Glenn E., 3,853,847.

Sims, Homer J.: *See—*
De Benneville, Peter L.; Godfrey, William J.; and Sims, Homer J., 3,804,821.

Sims, John C., Jr., to New England Research Associates, Inc. Motion control device. 3,790,055, 2-5-74, Cl. 226-174.000.

Sims, John C., Jr., to New England Research Associates, Inc. Method and system for digital recording. 3,838,449, 9-24-74, Cl. 360-52.000.

Sims, Larry A.: *See—*
Fortin, Robert F.; and Sims, Larry A., 3,785,367.

Sims, Marc J., to Chevron Research Company. Lubricant containing dispersed borate and a polyol. 3,819,521, 6-25-74, Cl. 252-18.000.

Sims, Marc J., to Chevron Research Company. Lubricant composition containing dispersed alkali metal borate. 3,846,313, 11-5-74, Cl. 252-18.000.

Sims, Paul Donald: *See—*
Hill, Andrew William; and Sims, Paul Donald, 3,847,661.

Sims, Raymond E., to General Binding Corporation. Bookbinding and powered punch machine. 3,793,660, 2-26-74, Cl. 11-1.0ac.

Sims, Robert J., to Westinghouse Electric Corporation. Suds saving system for automatic washer. 3,804,588, 4-16-74, Cl. 8-158.000.

Sims, Roger D.: *See—*
McNally, George S.; and Sims, Roger D., 3,814,029.

Sims, Wilbert N.: *See—*
Robinson, Charles W.; Sims, Wilbert N.; and Archibald, William R., 3,799,620.

Sims, Wilbert Norman; and Miscovich, John A., to Marcona Corporation. Method and apparatus for continuously excavating particulate material and converting it to slurry. 3,813,125, 5-28-74, Cl. 299-7.000.

Sims-Williams, Christopher Temple, to Moore, Alfred George. Therapeutic toy. 3,795,064, 3-5-74, Cl. 35-35.00c.

Sina Aktiengesellschaft fur Instrumentierung und Automatik: *See—*
Hentschel, Michael, 3,848,185.

Sinai Hospital of Detroit: *See—*
Whitty, Albert J., 3,853,158.
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Sinn, Hartmut: *See—*
Wutz, Max; and Sinn, Hartmut, 3,814,306.

Sinn, Hartmut; and Stallmann, Hans, to Heraeus-Christ GmbH. Table top, noise suppressed centrifuge. 3,804,324, 4-16-74, Cl. 233-24.000.

Sinn, Richard: *See—*
Kuerten, Heribert; Nagel, Otto; Platz, Rolf; and Sinn, Richard, 3,833,719.

Sinnema, Feije H.; and Van Zwet, Henry, to Shell Oil Company. Process for preparing higher molecular weight polyepoxide products by reacting a polyepoxide with a phenol in presence of tetraalkylammonium halides. 3,824,212, 7-16-74, Cl. 260-47.0ep.

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Sinnema, Hendrik, to Hubert, W., & Co. Machinefabriek N.V. Endless belt guiding means for feeding material into a series of molds. 3,834,851, 9-10-74, Cl. 425-261.000.

Sinner, Karl-Helmut, to Hoesch Werke, Aktiengesellschaft. Bearing construction. 3,782,793, 1-1-74, Cl. 308-160.000.

Sinner, Karl-Helmut, to Hoesch Werke Aktiengesellschaft. Hydrostatic bearing. 3,827,767, 8-6-74, Cl. 308-9.000.

Sinnott, David J.; and Allecci, Donald E., to Star-New Era, Inc. Photocomposing machine with magnification mechanism. 3,820,127, 6-25-74, Cl. 354-12.000.

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Sinobad, Dosan, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Brightness control for a color cathode ray tube. 3,786,483, 1-15-74, Cl. 340-324.00a.

Sinskey, Anthony J.: *See—*
Frankenfeld, John W.; Karel, Marcus; Labuza, Theodore P.; and Sinskey, Anthony J., 3,806,615.

Sinsky, Joel A., to United States of America, Navy. Accelerometer comparator. 3,830,091, 8-20-74, Cl. 73-1.00d.

Sintermetallwerk Krebsoge G.m.b.H.: *See—*
Zapf, Gerhard, 3,785,038.

Sintokogio, Ltd: *See—*
Fuma, Toyozi; Takeuchi, Hideo; and Ikeda, Susumu, 3,827,188.
Hijikata, Itsuo; Kasazaki, Masayoshi; Terada, Hideto; and Inoue, Takao, 3,832,117.
Hijikata, Itsuo; Kasazaki, Masayoshi; and Terada, Hideto, 3,843,301.
Miura, Takashi; Sugiura, Takashi; and Iyoda, Yoshizi, 3,825,058.

Sinton, Ernest Kennedy: *See—*
Chubb, John Norman; and Sinton, Ernest Kennedy, 3,809,948.

Sintronik; Electronik und Apparatebau GmbH: *See—*
Sieper, Horst, 3,820,279.

Sinyard, James R. Exercising device containing rotatable weights. 3,796,431, 3-12-74, Cl. 272-84.000.

Sinz, Karl; Nirenberg, Karl; and Repphun, Hans, to Moto Meter GmbH, mesne. Apparatus for mounting the magnet shaft of a speedometer. 3,791,224, 2-12-74, Cl. 73-519.000.

Siojima, Katuhiko: *See—*
Kyotani, Hirosi; Murono, Yositaka; and Siojima, Katuhiko, 3,846,802.

Sioles, George W., to Mattel, Inc. Mechanical coupling for connecting a sound pickup to a sound amplifier. 3,790,177, 2-5-74, Cl. 274-1.00a.

Sioli, Giancarlo: *See—*
Giuffre, Luigi; Sioli, Giancarlo; and Mattone, Roberto, 3,835,124.

Sioma, Edward M., to Rohm & Haas Company. Electro-optical coupler unit. 3,813,539, 5-28-74, Cl. 250-206.000.

Siosca, Felix Jerome: *See—*
Castro, Rodolfo; Toscano, Esteban J.; and Siosca, Felix Jerome, 3,784,183.

Sioux Corporation: *See—*
Eitreim, Jacob O., 3,802,717.
Finger, John F., 3,804,063.

Sioux Steam Cleaner Corporation: *See—*
Finger, John F., 3,786,835.
Finger, John F., 3,817,272.
Finger, John F., 3,823,768.
Finger, John F.; Jackson, William C.; and Pochop, Merle E., 3,838,247.
Finger, John F.; and Pochop, Merle E., 3,841,273.

Sioux Tools Inc.: *See—*
Perham, James A.; and Hill, Bernard N., 3,807,348.

Siphar S.A.: *See—*
Ferrari, Iorgio; and Casagrande, Cesare, 3,799,920.

Sippel, Gunter: *See—*
Sellmaier, Alfons, deceased; Noppel, Alban; and Sippel, Gunter, 3,823,569.

Sippel, Nathan J.; and Young, Richard K., to United States of America, Navy. Gelled gasoline incendiary compositions containing triethyl aluminum and a metal. 3,795,556, 3-5-74, Cl. 149-109.000.

Sippel, Nathan J., to United States of America, Navy. Hydrazine gel composition. 3,821,043, 6-28-74, Cl. 149-36.000.

Sipple, H. Smith, Jr.: *See—*
Shang, Jer-Yu; and Sipple, H. Smith, Jr., 3,803,205.

Sippol, Nikolai Karlovich; and Saly, Alexandr Andreevich. Electric machine rotor. 3,821,569, 6-28-74, Cl. 310-64.000.

Sipyagina, Marina Alexandrovna: *See—*
Andrianov, Kuzma Andrianovich; and Sipyagina, Marina Alexandrovna, 3,817,917.

Sir Steak Machinery, Inc.: *See—*
Deckert, Robert, 3,786,536.

Sir, Zdenek: *See—*
Rod, Vladimir; Sir, Zdenek; Bazant, Vladimir; and Strnadova, Ludmila, 3,803,210.

Sira Institute: *See—*
Allnutt, Anthony John; Biddles, Barry John; and Brook, Richard Anthony, 3,814,945.
Baker, Lionel Richard; Biddles, Barry John; and Williams, Thomas Llewellyn, 3,814,520.
Baker, Lionel Richard; Archer, Peter Robert; and West, Patricia Ann, 3,814,943.

Sira Societa Industriale Recerche Automotoristiche: *See—*
Giacosa, Dante, 3,842,787.

Sira Societa Industriale Ricerche Automotoristiche: *See—*
Giacosa, Dante, 3,807,344.

Siragusa, George A.: *See—*
Marshall, Albert H.; and Siragusa, George A., 3,792,535.
Marshall, Albert H.; and Siragusa, George A., 3,811,204.
Marshall, Albert H.; and Siragusa, George A., 3,813,795.

Sirai S.r.L. Societa Italiana Rizolatori Automatici Industriali: *See—*
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Sircar, Jagadish C.: *See—*
Zinnes, Harold; Sircar, Jagadish C.; and Shavel, John, Jr., 3,856,784.

Sircar, Jagadish C.; Zinnes, Harold; and Shavel, John, Jr., to Warner-Lambert Company. Process for the preparation of 4-hydroxy-3-carbamyl-2H-1,2-benzothiazine 1,1-dioxides and 4-hydroxy-3(2H)-1,2-benzothiazine carboxylate 1,1-dioxides. 3,808,205, 4-30-74,Cl. 260-243.00r.

Sircar, Jagadish C.; Zinnes, Harold; and Shavel, John, Jr., to Warner-Lambert Company. Process for the preparation of 4-hydroxy-3-(5-methyl-3-isoxazolylcarbamoyl)-2H-1,2-benzothiazine 1,1-dioxide. 3,821,211, 6-28-74, Cl. 260-243.00r.

Sircom, Richard C., to Federal Pacific Electric Company. Ground fault interrupter with pulsed neutral-to-ground fault detector. 3,794,884, 2-26-74, Cl. 317-18.00d.

Sire, Efim Moiseevich: *See—*
Liakumovich, Alexandr Grigorievich; Linkov, Alexei Dmitrievich; Rutman, Grigory Iosifovich; Michurov, Jury Ivanovich; Belgorodsky, Izrail Markovich; Sire, Efim Moiseevich; and Pantukh, Boris Izrailevich, 3,804,911.

Sire, Gerard, to Thomson-CSF. Amplifier tube for power amplification. 3,825,853, 7-23-74, Cl. 330-53.000.

Siregar, John A., to Liggett & Myers Incorporated. Method of feeding cats thawed frozen fish flavored with 5'-nucleotides. 3,832,471, 8-27-74, Cl. 426-2.000.

Sirianni, Aurelio F.; and Puddington, Ira L., to Canadian Patents and Development, Limited. Process for recovering concentrated phosphoric acid. 3,796,790, 3-12-74, Cl. 423-166.000.

Sirianni, Aurelio F.; and Puddington, Ira E., to Canadian Patents and Development Limited. Laundered amorphous reinforcing lignin. 3,817,974, 6-18-74, Cl. 260-124.00r.

Sirianni, Aurelio F.; Funnell, Norman A.; and Puddington, Ira E., to Canadian Patents and Development Limited. Preparation of reinforcing amorphous silica. 3,857,925, 12-31-74, Cl. 423-339.000.

Sirianni, Aurelio Frederick: *See—*
McIlhinney, Allan E.; Sirianni, Aurelio Frederick; Capes, Charles Edward; and Puddington, Ira E., 3,796,308.
Ruel, Maurice M. J.; and Sirianni, Aurelio Frederick, 3,844,759.

Sirk, Frank L.: *See—*
Tariabini, Joseph J.; and Sirk, Frank L., 3,794,340.

Sirles, Robert A. Mud clip for a horseshoe. 3,811,512, 5-21-74, Cl. 168-34.000.

Sirocka, Richard L.; and Broxterman, David F., to Cal-Tex Semiconductor, Inc. Electronic watch. 3,815,354, 6-11-74, Cl. 58-50.00r.

Sironi, Francesco. Facing panel. 3,783,572, 1-8-74, Cl. 52-599.000.

Sironi, Giovanni, to Centro Sperimentale Metallurgico S.p.A. Device for the permeability control of the layer of material to be sintered in plants for sintering ores, in particular iron ores. 3,802,677, 4-9-74, Cl. 266-20.000.

Sirota, Nikolai Nikolaevich; Mazurenko, Anatoly Mitrofanovich; and Strukov, Nikolai Alexeevich. Device for establishing high pressure and temperature. 3,790,322, 2-5-74, Cl. 425-77.000.

Sirotkin, Nikolai Nikolaevich: *See—*
Brusakov, Jury Ivanovich; Sirotkin, Nikolai Nikolaevich; Kiselev, Vasily Pavlovich; Ilinkov, Dmitry Vladimirovich; Pavlovichavdely, Mikhail; Marin, Semen Panteleevich; Shkarupa, Alexandr Ivanovich; Veisman, Boris Ottovich; Lebedev, Vladimir Nikolaevich; an Gavrilenko, Nikolai Pavlovich, 3,790,692.

Sirovatka, George J.: *See—*
Braathen, Finn N.; and Sirovatka, George J., 3,815,456.

Sirrenberg, Wilhelm; Behrenz, Wolfgang; Hammann, Ingeborg; and Homeyer, Bernhard, to Bayer Aktiengesellschaft. O,O-Dialkyl-O-(1,2-dibromo-2,2-dichlorethyl)-thionophosphoric acid ester. 3,845,174, 10-29-74, Cl. 260-963.000.

Sirrenberg, Wilhelm; and Hammann, Ingeborg, to Bayer Aktiengesellschaft. 0-(1-Methyl-2 -alkylmercapto-vinyl)-phosphoric acid ester amides. 3,856,892, 12-24-74, Cl. 260-948.000.

Sisco, William C.: *See—*
Tam, George M.; Gardner, Delbert J.; Grabe, Frederick G.; Putt, James B.; Owens, Carl D.; and Sisco, William C., 3,789,735.

Sisil, Darrell D.: *See—*
Boirum, Don; and Sisil, Darrell D., 3,807,425.

Sisk, Francis J.; and Garland, Chesley F., to Westinghouse Electric Corporation. Submerged turbine aerator. 3,792,840, 2-19-74, Cl. 261-93.000.

Sisk, Francis J.; and Watson, Robert F., Jr., to Westinghouse Electric Corporation. Apparatus for dissociating collected solids from a filtration membrane. 3,794,169, 2-26-74, Cl. 210-140.000.

Sisk, Francis J., to Westinghouse Electric Corporation. Separating phenol from phenol-water subazeotrope by treatment with brine. 3,846,255, 11-5-74, Cl. 203-18.000.

Sisk, Hollis D., to Wagner Electric Corporation. Dynamoelectric machine rotor. 3,783,317, 1-1-74, Cl. 310-211.000.

Sisk, James M.: *See—*
Pease, Floyd T.; and Sisk, James M., 3,805,725.

Siska, Lubomir: *See—*
Stas, Bretislav; Dlouhy, Ludek; Siska, Lubomir; and Skrabis, Adolf, 3,858,167.

Siskin, Abe, to Geller Shoes, Inc. Shoe construction. 3,832,793, 9-3-74, Cl. 36-2.50r.

Siskin, Michael: *See—*
Mayer, Ivan; Siskin, Michael; and Otchy, Thomas G., 3,830,871.

Siskin, Michael; and Porcelli, Joseph J., to Exxon Research and Engineering Company. Isomerization of reformer feed using a metal halide/hydrogen halide catalyst. 3,852,184, 12-3-74, Cl. 208-64.000.

Sisko, Clifford A.: *See—*
Tunzi, Joseph P.; and Sisko, Clifford A., 3,803,868.

Sisley, James R., to Sweden Freezer. Blood drip chamber. 3,834,386, 9-10-74, Cl. 128-214.00c.

Sislian, Robert J., to Work Wear Corporation. Laparotomy sheet with extended wing sections. 3,856,005, 12-24-74, Cl. 128-132.00d.

Sismore, William W., 1/2 to Harris, Richard T. Tube pulling apparatus. 3,835,520, 9-17-74, Cl. 29-202.00d.

Sissom, John E. Projector and indicator coordinating apparatus. 3,804,503, 4-16-74, Cl. 353-15.000.

Sisson, Albert E., to Bendix Corporation, The. Actuation means responsive to a sensed braking condition for activating a servomotor. 3,795,426, 3-5-74, Cl. 303-21.00f.

Sisson, Jeffrey L.; and Norder, Paul D., to Xerox Corporation. Apparatus for sensing a dimension of sheets of material to be transported through an electrostatic reproduction machine. 3,820,591, 6-28-74, Cl. 165-39.000.

Sisson, Kenneth O., to General Motors Corporation. Bulkhead mounting and sealing arrangement for improved roller drive mechanism. 3,793,855, 2-26-74, Cl. 68-23.700.

Sisson, Purdy L., to Motco, Inc. Hot gas apparatus for recovery of oil values. 3,833,059, 9-3-74, Cl. 166-57.000.

Sisson, Robert B.: *See—*
Epstein, J. Michael; and Sisson, Robert B., 3,792,314.

Sisson, Warren G.: *See—*
Mahlman, Harvey A.; and Sisson, Warren G., 3,835,040.

Sissons, Anthony Chamberlen; and Cairns, Malcolm, Anthony, to Pyrotenax Limited. Method of manufacturing a composite metal sheathed welding electrode. 3,834,002, 9-10-74, Cl. 29-420.500.

Sistig, Wolf: *See—*
Pfannmueller, Helmut; Urban, Friedrich; Buechner, Oskar; Gropper, Hans; and Sistig, Wolf, 3,784,538.

Sit N Rest Golf, Inc.: *See—*
Jeninga, John, 3,807,751.

Sitabkhan, Abdul N.: *See—*
Kramer, Jack M.; and Sitabkhan, Abdul N., 3,788,666.

Sitam Societa' Industriale Telai Automatici Milano S.r.l.: *See—*
Colombo, Arturo, 3,812,556.

Sitaud, Gilbert: *See—*
Biarnais, Paul; Falize, Claude; and Sitaud, Gilbert, 3,849,475.

Sitelines, Inc.: *See—*
McCurdy, Richard H.; and Connelly, Lawrence W., 3,810,331.

Sitges, F. J., to Asturiana de Zinc, S.A. Hydraulic apparatus for removing the zinc deposited on zinc electrolysis cathodes. 3,840,032, 10-8-74, Cl. 134-144.000.

Sitgreaves, Norman E.: *See—*
Wagner, George M.; and Sitgreaves, Norman E., 3,836,423.

Sitler, Donald D.: *See—*
Brothers, Benton H.; Christianson, William O.; Hunter, Larry L.; Hunter, Max R.; Stauder, Bob E.; and Sitler, Donald D., 3,822,598.

Sitler, Rickie L.: *See—*
Graham, Andrew E., Jr.; and Sitler, Rickie L., 3,790,436.
Graham, Andrew E., Jr.; and Sitler, Rickie L., 3,806,567.

Sitnikov, Leonid Semenovich: *See—*
Borisov, Kostantin Grigonievich; Kuzemko, Vitaly Stepanovich; Sitnikov, Leonid Semenovich; Tokovenko, Stepan Emelyanovich; and Utyakov, Lev Lazarevich, 3,805,029.

Sitnikova, Ljudmila Vladimirovna: *See—*
Lazareva, Elena Nikolaevna; Belozerova, Olga Petrovna; Efimova, Tamara Ivanovna; Sitnikova, Ljudmila Vladimirovna; and Krjuchkova, Alexandra Pavlovna, 3,835,190.

Sitnov, Anatoly Georgievich: *See—*
Bashkov, Vladimir Alexeevich; Martynov, Oleg Viktorovich; Sitnov, Anatoly Georgievich; Tikhonov, Sergei Sergeevich; Makarov, Mikhail Nikolaevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Gorlov, Semen Maximovich; Tseitlin, Aron Yakvlevich; Gritsun, Mikhail Danilovich; Ustjuzhanin, Vasily Nikolaevich; Nechaev, Leonid Semenovich; Mazun, Alexandr Ivanovich; Belousov, Vladimir Alexeevich; Scherbakov, Leonid Mikhailovich; Rozhkov, Valentin Pavlovich; and Kutilin, Vladimir Nikolaevich, 3,05,878.
Tseitlin, Aron Yakovlevich; Tikhonov, Sergei Sergeevich; Martynov, Oleg Viktorovich; Makarov, Mikhail Nikolaevich; Ordinartsev, Vladimir Nikolaevich; Ordinartsev, Jury Nikolaevich; Gorlov, Semen Maximovich; Bashkov, Vladimir Alexeevich; and Sitnov, AnatolyGeorgievich, 3,797,557.

Sitt, Rudiger: *See—*
Linke, Siegfried; Sitt, Rudiger; Horstmann, Harald; and Meng, Karl, 3,787,431.

Sitte, Hellmuth, to Reichert, C., Optische Werke AG. Device for an infinite adjustment of the specimen stroke in microtomes and ultramicrotomes. 3,785,234, 1-15-74, Cl. 83-414.000.

Sitte, Hellmuth, to Reichert, C., Optische Werke AG. Apparatus for adjusting the elevation of a specimen in microtomes, particularly ultramicrotomes. 3,828,641, 8-13-74, Cl. 83-703.000.

Sitte, Hellmuth, to C. Reichert Optische Werke AG. Apparatus for an infinite change of the vertical movement of the specimen in microtomes and ultramicrotomes. 3,841,190, 10-15-74, Cl. 83-703.000.

Sittek, Edvin; Katolicky, Jaroslav; Kuba, Jaroslav; and Dvorok, Edmund, to Hutni druhovyroba, generalni reditelstvi. Sectional boiler for flameless combustion of gaseous fuels. 3,842,807, 10-22-74, Cl. 122-225.00r.

Sitter, Matthew M.; Meyers, Robert M.; and Kutch, Edward F., to Novagard Corporation. Insulating glass window assemblies. 3,852,149, 12-3-74, Cl. 161-45.000.

Sittig, Roland; and Zimmerman, Wolfgang, to Brown Boveri & Company Limited. Method and apparatus for testing the doping concentration of semiconductors. 3,850,508, 11-26-74, Cl. 356-209.000.

Sittman, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Front supporting mechanism of a ski safety binding. 3,794,337, 2-26-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Ski safety binding element. 3,782,743, 1-1-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co. G.m.b.H. Heel supporting device of a ski safety binding. 3,785,664, 1-15-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Ski binding with ski brake. 3,794,336, 2-26-74, Cl. 280-11.13b.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co. G.m.b.H. Supporting device of a ski safety binding. 3,801,120, 4-2-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Ski safety binding element with adjustable release force. 3,811,696, 5-21-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Adjusting mechanism for the retaining springs of safety ski bindings. 3,813,110, 5-28-74, Cl. 280-11.35t.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co. GmbH. Fitting for glass panels of doors and windows. 3,821,870, 7-2-74, Cl. 52-624.000.

Sittmann, Brigitte, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Front supporting mechanism for ski safety bindings. 3,850,438, 11-26-74, Cl. 280-11.35t.

Sitton, Ellis A.: *See—*
Alexander, George F.; Helmig, Frank J.; Oestmann, Eldon D.; and Sitton, Ellis A., 3,834,478.
Comer, Glen S., Jr.; and Sitton, Ellis A., 3,841,715.
Muller, Thomas P.; and Sitton, Ellis A., 3,831,718.

Sitton, Robert L.: *See—*
Miller, Walter E., Jr.; Peacher, Teddy J.; Duke, Jimmy R.; and Sitton, Robert L., 3,782,667.
Miller, Walter E., Jr.; Duke, Jimmy R.; and Sitton, Robert L., 3,807,658.

Sivakoff, William J.: *See—*
Laigle, Roger E.; Rakich, Antone F.; and Sivakoff, William J., 3,834,207.

Sivash, Konstantin Mitrofanovich. Artificial hip joint. 3,820,167, 6-28-74, Cl. 3-1.000.

Sivaslian, Armen H., to North American Rockwell Corporation. Shock strut. 3,804,394, 4-16-74, Cl. 267-34.000.

Siverling, Michael McHugh: *See—*
Bjerke, Brian Kenneth; and Siverling, Michael McHugh, 3,792,268.

Siverling, Michael McHugh; and Wilson, Melvin George, to International Business Machines Corporation. Sensitivity compensation for a self scanned photodiode array. 3,830,972, 8-20-74, Cl. 178-7.100.

Sivertsen, David R., to Texas Instruments, Incorporated. Multilayer microelectronic circuitry techniques. 3,789,276, 1-29-74, Cl. 317-235.00r.

Sivertsen, Georg Sigurd: *See—*
Hatlevoll, Jens Bugge; Jordal, Per; and Sivertsen, Georg Sigurd, 3,819,144.

Sivetz, Michael. Preparation of aqueous beverage concentrate of coffee. 3,830,940, 8-20-74, Cl. 426-148.000.

Sivin, Bernard J., to Celotex Corporation, The. Side coiling door. 3,833,045, 9-3-74, Cl. 160-133.000.

Sivov, Ferdo Atanasov: *See—*
Nikolov, Ivan Dimov; Rasheev, Gueorgui Nikolov; Sivov, Ferdo Atanasov; Nikolov, Nikolai Yonkov; and Hristov, Chavdar Asenov, 3,814,127.

Siwersson, Olle Lennart; and Tell, Karl Gunnar, to AB St. Powercell, mesne. Method and apparatus for supplying entirely or substantially entirely consumable metallic material to a magnetic electrode oxygen or metal air cell. 3,811,952, 5-21-74, Cl. 136-86.0a.

Siwersson, Olle Lennart; and Tell, Karl Gunnar, to Miljoteknik, S. T., AB. Gas cleaners. 3,831,349, 8-27-74, Cl. 55-113.000.

Six, Edouard Raymond. Hank carriers. 3,820,735, 6-28-74, Cl. 242-110.000.

Sixt, Marty E.: *See—*
Martin, Lawrence L.; Martin, Ronald C.; and Sixt, Marty E., 3,855,799.
Schaller, Willard W.; Martin, Ronald C.; and Sixt, Marty E., 3,785,682.

Sixt, Marty E., to Advanced Drainage Systems, Inc. Corrugated drainage tube with restraining screen. 3,830,373, 8-20-74, Cl. 210-489.000.

Sixten Englesson Teknisk Konsutt AB: *See—*
Carlstedt, Sven Borje Fredrik, 3,830,995.

Sizer, Phillip S.; and Young, Carter R., to Otis Engineering Corporation. Apparatus for treating wells. 3,848,668, 11-19-74, Cl. 166-72.000.

Sjardijn, Willem: *See—*
van der Bend, Herman Th.; and Sjardijn, Willem, 3,857,795.

Sjoberg, Enhorna Berndt Olof Harald: *See—*
Bamberg, Peter; and Sjoberg, Enhorna Berndt Olof Harald, 3,838,008.

Sjoberg, John B. Floating or land based modular assembly for housing or commercial use. 3,791,080, 2-12-74, Cl. 52-79.000.

Sjoberg, Nils W.: *See—*
Perry, Reginald P.; and Sjoberg, Nils W., 3,802,387.
Perry, Reginald P.; and Sjoberg, Nils W., 3,846,920.

Sjoberg, Sven; Fagerstad, Herlov; and Weng, August, to Allmanna Svenska Elektriska Aktiebolaget. Stator for a direct current machine. 3,809,938, 5-7-74, Cl. 310-254.000.

Sjogren, Bengt-Ake Harald: *See—*
Nilsson, Per-Erik; and Sjogren, Bengt-Ake Harald, 3,829,852.

Sjogren, Sven Wilhelm: *See—*
Ein, Yrjo Armin; Ek, Klas Goran Gunnarsson; Ekwall, Karl Gosta Bernhard; Engovist, Eric Johan Anders; Jagerstrom, Axel Henry; and Sjogren, Sven Wilhelm, 3,802,514.

Sjoman, Carl F., to Team Industries. Knitted T-shirt hot presser and folder and method. 3,846,924, 11-12-74, Cl. 38-2.000.

Sjoquist, John Axel. Method for separating a polypeptide from microorganisms. 3,850,798, 11-26-74, Cl. 210-31.00c.

Sjoqvist, Lennart S. G., to Aktiebolaget Svenska Flaktfabriken. Air inlet throat for fans. 3,814,538, 6-4-74, Cl. 415-182.000.

Sjostrand, Gerald D.: *See—*
Linder, Joseph; Sjostrand, Gerald D.; and Carter, Richard L., 3,796,355.

Sjostrand, Gerald D., to Rodac Pneumatic Tools. Sanding shoe and clip therefor. 3,822,518, 7-9-74, Cl. 51-386.000.

Sjostrand, Staffan Gunnar: *See—*
Jansson, Klas Einar; and Sjostrand, Staffan Gunnar, 3,857,318.

Sjostrand, Uno: *See—*
Folkesson, Bertil; Nilsson, Lennart; and Sjostrand, Uno, 3,788,028.

Sjostrom, Carl H.: *See—*

Bridges, Thomas F.; Lalangas, Petros; and Sjostrom, Carl H., 3,811,593.

Sjotun, Kvrre: *See—*
Rognmo, Tore; and Sjotun, Kvrre, 3,826,193.

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Skagerberg, William E., to General Mills Chemicals, Inc. Process for forming borehole plugs. 3,794,115, 2-26-74, Cl. 166-294.000.

Skagerlund, Lars-Erik, to Aktiebolaget Bofors. Device for facilitating the adjustment of an optical system. 3,827,806, 8-6-74, Cl. 356-138.000.

Skaggs, Frank L.; Harrap, Victor; and Bean, Kenneth E., to Texas Instruments, Incorporated. Method of forming dielectrically isolated silicon diode array vidicon target. 3,810,796, 5-14-74, Cl. 156-8.000.

Skaggs, Robert L.: *See—*
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Skagit Corporation: *See—*
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Wudtke, Donald J., 3,842,776.

Skala, George Frank, to Environment/One Corporation. Oil contamination monitor with digital signal processing. 3,790,279, 2-5-74, Cl. 356-70.000.

Skalatsky, Viktor Klimentievich: *See—*
Glushko, Mikhail Fedorovich; Skalatsky, Viktor Klimentievich; Anastasiadi, Emmanuil Filippovich; and Davydov, Jury Lvovich, 3,823,543.

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Skamatsu, Takashi: *See—*
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Skandalakis, Sharon C., 20% to Lee, Raymond, Organization, Inc., The. Heated eyelash curler. 3,838,699, 10-1-74, Cl. 132-31.00a.

Skarbo, Roald R., to Kennecott Copper Corporation. Separation of nickel from salt mixtures containing nickel and other metal salts. 3,798,307, 3-19-74, Cl. 423-143.000.

Skarbo, Roald R.; and Miguel, Antonio H., to Kennecott Copper Corporation. Metal recovery from salt mixtures of copper and metals more electropositive than copper. 3,810,971, 5-14-74, Cl. 423-565.000.

Skarbo, Roald R., to Kennecott Copper Corporation. Cobalt stripping. 3,849,534, 11-19-74, Cl. 423-139.000.

Skarbo, Roald R., to Kennecott Copper Corporation. Selective stripping process. 3,853,725, 12-10-74, Cl. 204-112.000.

Skarbo, Roald R., to Kennecott Copper Corporation. Process for recovering nickel selectively. 3,855,090, 12-17-74, Cl. 204-106.000.

Skardal, Karl Arvid. Toroidal vortex cleaner. 3,804,244, 4-16-74, Cl. 209-211.000.

Skarecky, Rudolf E., to Furnofan Limited, mesne. Heat exchange apparatus. 3,807,495, 4-30-74, Cl. 165-122.000.

Skarin, Carl R.; Dietzel, Kenneth H.; and Gendron, Roger J., to Baker Perkins Inc. Magnetic transfer apparatus. 3,831,780, 8-27-74, Cl. 214-6.0ds.

Skarky, Floyd E. Table apparatus. 3,828,695, 8-13-74, Cl. 108-26.000.

Skarnes, Robert C.; and Howard, Lucille A., to Worcester Foundation for Experimental Biology, Inc. Process for producing prostaglandins. 3,843,467, 10-22-74, Cl. 195-29.000.

Skarvinko, Eugene R., to International Business Machines Corporation. Photoresist composition useful for making chromium film masks. 3,802,889, 4-9-74, Cl. 96-115.00p.

Skater Fountain Pen Co., Ltd., The: *See—*
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Skatsche, Othmar: *See—*
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Skatsche, Othmar; Thien, Gerhard; and Kirchweger, Karl, to List, Hans. Internal combustion engine with two intake and two exhaust valves. 3,824,971, 7-23-74, Cl. 123-75.00b.

Skattman; Rune Carl Valfrid; and Bjork, Olov Richard. Mobile, rock drill supporting rig. 3,784,159, 1-8-74, Cl. 254-45.000.

Skau, Evald L.: *See—*
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,787,455.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,787,456.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,787,457.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,794,640.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,803,186.
Mod, Robert R.; Magne, Frank C.; and Skau, Evald L., 3,808,241.

Skavnak, James Edward, to Minnesota Mining and Manufacturing Company. Photocopier light box. 3,850,523, 11-26-74, Cl. 355-70.000.

Skedgell, Anthony Northcott; Hart, Anthony Christopher; and Smith, Victor Albert, to International Nickel Company, Inc., The. Reproducibility of color in coloring stainless steel. 3,839,096, 10-1-74, Cl. 148-6.200.

Skedgell, Anthony Northcott; Smith, Victor Albert; and Evans, Thomas Ernest, to International Nickel Company, Inc., The. Electrolytic treatment of stainless steel having an oxidic film. 3,850,767, 11-26-74, Cl. 204-56.00r.

Skeels, Gary W., Jr.: *See—*
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Skeen, Gary R.: *See—*
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Skeen, Gary Robert, to Pace, Anthony and Pace, Virginia. Picker stick check mechanism. 3,815,644, 6-11-74, Cl. 139-162.000.

Skeen, Lawrence; Jewell, Jack; Landis, Franklin E.; and Mc Neil, William M., to Bauer Bros, Co., The. Refiner base. 3,799,461, 3-26-74, Cl. 241-251.000.

Skeen, Lawrence E.: *See—*
Jewell, Jack D.; and Skeen, Lawrence E., 3,799,456.

Skees, Hugh B., to Standard Register Company, The. Continuous manifold assembly. 3,806,165, 4-23-74, Cl. 282-11.50a.

Skelcey, James S.; Richards, David W.; and Hart, Alan M., to Dow Chemical Company, The. Cereal products containing magnesium compounds as nutritional supplements. 3,852,497, 12-3-74, Cl. 426-74.000.

Skelding, Geoffrey Harry; and Tracey, Wilbur G., to Gloucester Engineering Co., Inc. Printing press. 3,791,294, 2-12-74, Cl. 101-248.000.

Skelley, John W. Manual transmission shift control. 3,818,779, 6-25-74, Cl. 74-473.00r.

Skelly, David W.: *See—*
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Skelly, David W.; and Wagner, Bernard C., to General Electric Company. Aqueous dispersions of finely divided lubricants in polyamide acid. 3,787,338, 1-22-74, Cl. 260-29.20n.

Skelton, Billy Keith: *See—*
Sanford, Norman Ray; Wainscott, Alan Dale; and Skelton, Billy Keith, 3,828,477.

Skelton, Harry Leslie: *See—*
Doggart, John; Skelton, Harry Leslie; and Gleave, Paul Rogerson, 3,793,129.

Skelton, John; and Freeston, W. Denney, Jr., to United States of America, Air Force. Thermal stabilization of polybenzimidazole fiber fabrics. 3,827,904, 8-6-74, Cl. 117-7.000.

Skerlos, Peter C.: *See—*
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Skerlos, Peter C., to Zenith Radio Corporation. Video signal processing system and method with above-white-level noise inversion. 3,812,921, 5-28-74, Cl. 173-7.30r.

Skeu, Evald L.: *See—*
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SKF Compagnie d'Applications Mecaniques: *See—*
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SKF Industrial Trading and Development Company B.V.: *See—*
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Dergling, Folke Gunnar, 3,790,356.
Fernlund, Lars Martin Ingemar, 3,796,472.
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Ingemar, Fernlund; and Stig, Hallerback, 3,809,447.
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Norlander, Lars Gosta, 3,817,131.
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Schurger, Rainer; Walter, Lothar; Brandenstein, Manfred; and Feldle, Kurt, 3,822,605.
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Hallerback, Stig Lennart, 3,858,070.
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Memmel, Manfred, 3,819,241.
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Tiberg, Magnus Gustav Georg, 3,819,361.
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Hingley, Colin G., 3,829,183.
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SKF Kugellagerfabriken GmbH: *See—*
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Skiba, John: *See—*
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Skidmore, Frank O. System for wheel balancing. 3,815,425, 6-11-74, Cl. 73-457.000.

Skidmore, Paul H., to Hercules Incorporated. Case bonding system for cast composite propellants. 3,813,308, 5-28-74, Cl. 149-109.000.

Skidmore, Paul H., to United States of America, Navy. Linear composition for rocket motors comprising cross linked carboxy terminated polybutadiene with inert filler. 3,855,176, 12-17-74, Cl. 260-42.280.

Skidmore, Richard H., to Sprayon Products Inc. Power operated means for filling aerosol cans. 3,797,534, 3-19-74, Cl. 141-3.000.

Skidmore, Richard H., to Welding Engineers, Inc. Countercurrent vapor stripping in screw devolatilizer. 3,799,234, 3-26-74, Cl. 159-2.00e.

Skiens, William E.; Lipps, Ben J.; McLain, Earl A.; and Dubocq, Donald E., to Dow Chemical Company, The. Gas permeable membranes and process for making same. 3,798,185, 3-19-74, Cl. 260-2.50m.

Skierski, Edwin J., to USM Corporation. Self tapping fastener and method and dies for making same. 3,831,415, 8-27-74, Cl. 72-88.000.

Skierski, Edwin J. Dies for making a self tapping fastener. 3,835,694, 9-17-74, Cl. 72-469.000.

Skiiki, Zenya: *See—*
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Skil Corporation: *See—*
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Skildum, John D. Apparatus protector. 3,836,077, 9-17-74, Cl. 239-60.000.

Skiles, David O.: *See—*
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Skiles, Richard D.: *See—*
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Pilgram, Kurt H. G.; and Skiles, Richard D., 3,823,135.

Skillern, John A. Concentric target assembly having side storage compartments. 3,790,174, 2-5-74, Cl. 273-105.00a.

Skillern, John A. Elastic band gun. 3,812,833, 5-28-74, Cl. 124-19.000.

Skilling, Derek: *See—*
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Skingley, Brian Stanley; and Curtis, Anthony Thomas, to Marconi Company Limited, The. Diversity combining arrangements. 3,794,926, 2-26-74, Cl. 328-104.000.

Skinner, Barry: *See—*
Beet, Roy; and Skinner, Barry, 3,813,738.

Skinner, Charles A., to Baxter Laboratories, Inc. Electric surface type heating element and insulator combination. 3,812,321, 5-21-74, Cl. 219-451.000.

Skinner, David I., to Beloit Corporation. Hopper with variable level hopper feed tube. 3,809,133, 5-7-74, Cl. 141-198.000.

Skinner, Davis A., to Union Oil Company of California. Calcium-strontium smoke inhibitors for diesel fuels. 3,849,084, 11-19-74, Cl. 44-76.000.

Skinner, Denis J., to Shell Oil Company. Method of installing a combination pedestal conductor and conductor string at an offshore location. 3,782,460, 1-1-74, Cl. 166-.500.

Skinner, Eugene S.; Crist, Elmer E.; and Phelps, Louis D., to Beloit Corporation. Rotary steam seal for dryer drum. 3,837,658, 9-24-74, Cl. 277-26.000.

Skinner, Harvey G., to Westmoreland Plastics Company. Pipe spacers. 3,783,907, 1-8-74, Cl. 138-106.000.

Skinner, Harvey G., to Westmoreland Plastics Company; division of Vulcan, Inc. Two-piece chair. 3,847,435, 11-12-74, Cl. 297-443.000.

Skinner, James A. Dental hygiene appliance. 3,822,432, 7-9-74, Cl. 15-23.000.

Skinner, James L.: *See—*
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Wunderlich, Donald K.; and Skinner, James L., 3,841,994.
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Wunderlich, Donald K.; and Skinner, James L., 3,844,930.
Wunderlich, Donald K.; and Skinner, James L., 3,850,739.

Skinner, James R., to M.V. Engineering & Mfg., Inc. Holder for disc-like objects. 3,788,464, 1-29-74, Cl. 206-.820.

Skinner, James R.; Uitz, Mark O.; and Hait, Paul W., to Action Films, Inc., mesne. Motion picture apparatus with removable cartridge. 3,817,610, 6-18-74, Cl. 352-129.000.

Skinner, James R., to M.U. Engineering & Mfg., Inc. Filter cup construction. 3,819,055, 6-25-74, Cl. 210-232.000.

Skinner, Jerald Paul. Interlocking structural units. 3,789,556, 2-5-74, Cl. 52-93.000.

Skinner, Joseph L.: *See—*
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Skinner, Kenneth Romayn, to Magnavox Company, The. Automatic focus control for image pickup devices. 3,816,848, 6-11-74, Cl. 358-47.000.

Skinner, Michael John, to Solartron Electronic Group Limited, The. Input circuits for electrical instruments. 3,803,507, 4-9-74, Cl. 330-185.000.

Skinner, Robert Ivan. Torisonal energy absorber. 3,831,924, 8-27-74, Cl. 267-154.000.

Skinner, Robert Thomas John. Rotary hydraulic machines. 3,806,281, 4-23-74, Cl. 417-225.000.

Skinner, Robert Thomas John, to Lucas Aerospace Limited. Fuel control apparatus for gas turbine engine. 3,824,786, 7-23-74, Cl. 60-243.000.

Skinner, Stanley J.: *See—*
Sen, Durgacharan; Skinner, Stanley J.; and Foster, William R., 3,810,965.

Skinner, William A., Jr.: *See—*
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Skippon, Robert T.; Robinson, Charles M.; Tinney, David C.; and Koopman, Simon O. M. Unloader. 3,830,383, 8-20-74, Cl. 214-17.0db.

Skirde, Gerhard: *See—*
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Skirpan Lighting Control Corporation: *See—*
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Skirpan, Stephen J., to Skirpan Lighting Control Corporation. Solid state electronic dimmer. 3,816,797, 6-11-74, Cl. 315-291.000.

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Skkita, Akira: *See—*
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Sklar, David F.; deceased (by Stein, Frances S.; executrix). Oppositely reciprocating container inspecting machine. 3,814,241, 6-4-74, Cl. 209-80.000.

Sklar, Richard E.: *See—*
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Sklarchuk, Jack C., to ESB Incorporated. Bi-functional gas electrode. 3,791,896, 2-12-74, Cl. 136-86.00d.

Sklover, Isadore T.: *See—*
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Skobel, Max, to Royle, John & Sons. Measurement of dimension of elongated material during its continuous vulcanization. 3,856,595, 12-24-74, Cl. 156-64.000.

Skobelev, Konstantin Ivanovich: *See—*
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Skogen, Ole Jan: *See—*
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Skogland, Thorbjorn, to General Electric Company. Method of producing electrical resistance heaters, and the improved heater products. 3,813,771, 6-4-74, Cl. 29-615.000.

Skogsagarnas Industri Aktiebolag: *See—*
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Skogsberg, Gunnar. Device for determined batch-wise collection and discharge of articles. 3,831,505, 8-27-74, Cl. 93-93.0dp.

Skogsholm, Einar A.; and Tracy, John G., to General Electric Company. Commutation control for inverter circuit. 3,852,657, 12-3-74, Cl. 321-18.000.

Skogsholm, Einar Aasen: *See—*
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Skok, Jean: *See—*
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Skok, Jean, to Commissariat a l'Energie Atomique. Nuclear fuel subassembly. 3,798,125, 3-19-74, Cl. 176-78.000.

Skokan, Zdenek E., to Hewlett-Packard Company. Multiemitter coupled logic gate. 3,795,822, 3-5-74, Cl. 307-215.000.

Skold, Mats Folke. Method for joining crosswisely extending reinforcing bars. 3,789,474, 2-5-74, Cl. 29-155.00r.

Skold, Mats Folke. Apparatus for joining and supporting crosswisely extending reinforcing bars. 3,789,491, 2-5-74, Cl. 29-212.00r.

Skolnick, Michael L.: *See—*
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Skolnik, Jacob: *See—*
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SKOMAB International Maschinen und Stahl Handelsgesellschaft m. b. H.: *See—*
Spengler, Ernst M., 3,851,518.

Skone-Palmer, John R. Remotely operable trigger actuator. 3,828,458, 8-13-74, Cl. 42-69.00r.

Skopin, Harold Cyril: *See—*
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Skora, Robert F.: *See—*
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Skorcz, Joseph A.: *See—*
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Skorecki, Jan; and Wheble, Victor Henry, to National Research Development Corporation. Prosthetic shoulder joint devices. 3,815,157, 6-11-74, Cl. 3-100.000.

Skornyakov, Jury Pavlovich; Tjutjunnikov, Jury Borisovich; Petrukhno, Anatoly Semenovich; and Schelkunov, Filipp Savelievich. Method of heat treatment of coal. 3,836,435, 9-17-74, Cl. 201-27.000.

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Skorovarov, Vladimir Efremovich: *See—*
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Slobod, Robert L.; and Burcik, Emil J. Method of sealing coal against methane emission. 3,845,632, 11-5-74, Cl. 61-36.00r.

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Slocum, Chester D., Jr. Electrostatic for deionizing air and other gases. 3,812,399, 5-21-74, Cl. 317-2.00f.

Slocum, Fred H., to Robroy Industries. Fitting for flexible conduits. 3,784,236, 1-8-74, Cl. 285-45.000.

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Smales, Herbert, to BBA Group Limited. Clutch disc with removable friction pads. 3,809,200, 5-7-74, Cl. 192-107.00c.

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Small, Kathryn; and Vranko, Thomas. Fabric weave. 3,822,727, 7-9-74, Cl. 139-383.00r.

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Small, Robert C., to General Motors Corporation. Engine cooling system radiator and fan shroud. 3,799,128, 3-26-74, Cl. 123-41.490.

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Small, Terence S. Transposing device for musical instruments. 3,800,651, 4-2-74, Cl. 84-386.000.

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Smallwood, Ross H. Storage box for fishing lures. 3,797,161, 3-19-74, Cl. 43-57.50r.

Smalser, Paul Joseph, to RCA Corporation. Rotator system including a remote drive motor and a local indicator-control motor. 3,831,074, 8-20-74, Cl. 318-265.000.

Smart, Bruce E., to Du Pont de Nemours, E. I., and Company. Perfluoromethylenecyclopropane. 3,816,553, 6-11-74, Cl. 260-648.00f.

Smart, Daniel Henry, to Communications Patents Limited. Wired broadcasting systems. 3,835,244, 9-10-74, Cl. 178-5.600.

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Smart, Orpha J. Paint can pour spout with brush support and attachment. 3,844,457, 10-29-74, Cl. 222-570.000.

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Smart, William L.; and Gregg, Paul S., to Ransburg Corporation. Electrostatic hand gun cable. 3,792,409, 2-12-74, Cl. 338-214.000.

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Smith, Addison M.; and Recla, Eugene B., to Allied Chemical Corporation. Purification of crude maleic anhydride by treatment with dimethylbenzophenone. 3,850,758, 11-26-74, Cl. 203-38.000.

Smith, Alan B.; and Goller, Warren W., to Sperry Rand Corporation. Method and means for reducing domain pinning in magnetic wall domain devices. 3,820,093, 6-25-74, Cl. 340-174.0tf.

Smith, Alan George: *See—*
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Smith, Alan George, to Imperial Chemical Industries Limited. Injection molded resin articles having a foamed resin core. 3,793,415, 2-19-74, Cl. 264-45.000.

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Smith, Albert Charles, Jr.: *See—*
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Smith, Albert E.: *See—*
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Smith, Albert Ernest, to Polysar Limited-Polysar Limitee. Microporous polymer sheets. 3,849,528, 11-19-74, Cl. 264-49.000.

Smith, Alexander M., II, to Fiberwoven Corporation. Needled textile fabric. 3,817,820, 6-18-74, Cl. 161-154.000.

Smith, Alfred A. Foldable invalid walker. 3,840,034, 10-8-74, Cl. 135-45.00a.

Smith, Allen E.: *See—*
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Smith, Anthony J.: *See—*
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Smith, Arnold Ray: *See—*
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Smith, Arthur A.; Christensen, Dean E.; Campbell, Billy H.; Strickland, Raymond I.; and Eubanks, James E., to United States of America, Army. Target illuminator. 3,803,399, 4-9-74, Cl. 240-61.000.

Smith, Arthur F.: *See—*
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Smith, Arthur G.: *See—*
Huff, John C.; Ludwig, Frank A.; and Smith, Arthur G., 3,846,182.

Smith, Arthur H., to Wagner Electric Corporation. Automotive security system and solenoid lock for same. 3,827,526, 8-6-74, Cl. 180-114.000.

Smith, Arthur J. Impact tool. 3,813,993, 6-4-74, Cl. 91-220.000.

Smith, Arthur W.: *See—*
Collins, Leslie C.; and Smith, Arthur W., 3,785,464.

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Smith, Austin John: *See—*
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Smith, Bart A.; Lass, James L.; and Venier, Dominic A., to General Electric Company. Nuclear fuel assembly with bypass coolant control. 3,809,610, 5-7-74, Cl. 176-78.000.

Smith, Basil G., to Smith, Basil, Seals Limited. Machanical seal for rotary shaft. 3,811,688, 5-21-74, Cl. 277-39.000.

Smith, Basil, Seals Limited: *See—*
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Smith, Baynard R. Composition and method of bonding gold to a ceramic substrate and a bonded gold article. 3,799,890, 3-26-74, Cl. 252-514.000.

Smith, Baynard R. Gold composition for bonding gold to a ceramic substrate utilizing copper oxide and cadmium oxide. 3,799,891, 3-26-74, Cl. 252-514.000.

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Smith, Bob L., to United States Surgical Corporation. Multi-passage fluid flow control system. 3,805,830, 4-23-74, Cl. 137-601.000.

Smith, Bob L. Phased array antenna with phase shifter cooling. 3,852,764, 12-3-74, Cl. 343-778.000.

Smith, Bradford Knox, to RCA Corporation. Method for coating only the convex major surface of an apertured mask for a cathode-ray tube. 3,811,926, 5-21-74, Cl. 117-101.000.

Smith, Brian Frederick: *See—*
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Smith, Bruce G., to Searle, G. D., & Co. Fluorescence quantitative thin layer chromatographic method. 3,817,706, 6-18-74, Cl. 23-230.00b.

Smith, Calvin S.; and McLeod, William J., to Chevron Research Company. Hydrogen manufacture using centrifugal compressors. 3,801,708, 4-2-74, Cl. 423-650.000.

Smith, Calvin S.; and McLeod, William J., to Chevron Research Company. Hydrogen manufacture using centrifugal compressors. 3,843,512, 10-22-74, Cl. 208-212.000.

Smith, Calvin S., Jr., 1/3 each to Sigworth, Harrison W. and Finical, Thomas N., Jr. Process and apparatus for separating water from non-volatile solutes. 3,856,631, 12-24-74, Cl. 203-111.000.

Smith, Cantrell, to General Electric Company. Direct current voltage regulator. 3,809,999, 5-7-74, Cl. 323-17.000.

Smith, Carl A.: *See—*
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Smith, Carl G. Lock for trap shot guns. 3,827,171, 8-6-74, Cl. 42-69.00b.

Smith, Carl M., to Schlegel Company Canada, Limited. Core trays. 3,786,932, 1-22-74, Cl. 211-60.00r.

Smith, Carlowen, to Industrial Contracting of Fairmont, Inc. Anti-blocking valve apparatus. 3,840,038, 10-8-74, Cl. 137-637.100.

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Smith, Charles F.: *See—*
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Smith, Charles Giles, to Upjohn Company, The. Adenosine 3,5-cyclic monophosphate palmitates. 3,810,883, 5-14-74, Cl. 260-211.50r.

Smith, Charles H. Vehicular road sweep device. 3,831,689, 8-27-74, Cl. 180-1.00r.

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Smith, Chrisman O., to Westinghouse Electric Corporation. Apparatus for manufacturing an electric lamp base that has a snag-proof terminal. 3,796,528, 3-12-74, Cl. 425-123.000.

Smith, Christopher I.; and Poliak, John M., to Leviton Manufacturing Co., Inc. Electrical terminal for connection to a conductor of a cable. 3,793,607, 2-19-74, Cl. 339-217.00r.

Smith, Christopher Paul Relf, to Sperry Rand Limited. Data storage systems. 3,792,453, 2-12-74, Cl. 340-174.10a.

Smith, Clarence R., to Rohm and Haas Company. Reinforced plastic structures containing cured polyester resin. 3,832,268, 8-27-74, Cl. 161-162.000.

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Smith, Clayton S.: *See—*
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Smith, Clive W.: *See—*
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Smith, Clyde W., to Columbia Broadcasting System, Inc. Automatic sharpness-enhancing equipment for television picture signals. 3,800,077, 3-26-74, Cl. 178-6.800.

Smith, Colin F. G.; and Hayward, Malcolm L., to International Standard Electric Corporation. Tensile rope joint and method of making same. 3,844,665, 10-29-74, Cl. 403-267.000.

Smith, Curtis P.; and Ulrich, Henri, to Upjohn Company, The. 1-Halophospholenes. 3,803,225, 4-9-74, Cl. 260-543.00p.

Smith, Curtis P.; and Ulrich, Henri, to Upjohn Company, The. Cycloalkane, cycloalkene, and cycloalkanone phosphonates. 3,855,363, 12-17-74, Cl. 260-944.000.

Smith, Dallas F., to General Electric Company. Wire protecting coil placing method and apparatus. 3,815,206, 6-11-74, Cl. 29-205.00d.

Smith, Dallas F.; and Arnold, Richard B., to General Electric Company. Apparatus and method for forming shaped insulators. 3,831,255, 8-27-74, Cl. 29-25.00e.

Smith, Daniel Paul, Jr., to Sperry Rand Corporation. Corona charging device with semiconductive shield. 3,783,283, 1-1-74, Cl. 250-324.000.

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Smith, David B.; and Gribens, Joel A., to Grace, W. R., & Co. Flowed-in polyurethane gaskets for pail and drum covers. 3,834,578, 9-10-74, Cl. 220-46.00r.

Smith, David C.; and Solomon, Peter R., to United Aircraft Corporation. Gas breakdown laser pulse selector. 3,836,867, 9-17-74, Cl. 331-94.50r.

Smith, David F. Plaster of Paris bandages to make water-resistant casts. 3,785,373, 1-15-74, Cl. 128-91.000.

Smith, David F. Plaster of Paris bandages to make casts of improved strength, water-resistance and physiological properties. 3,785,479, 1-15-74, Cl. 206-47.00a.

Smith, David F. Dextran as bonding agent for plaster of Paris bandages. 3,791,837, 2-12-74, Cl. 106-115.000.

Smith, David J., to Bard, C. R., Inc. Release mechanism for back rest support. 3,800,338, 4-2-74, Cl. 5-74.000.

Smith, David J., to Bard, C. R., Inc. Wheeled stretcher. 3,815,164, 6-11-74, Cl. 5-81.000.

Smith, David K., to United States of America, Army. Pulse width selector. 3,790,881, 2-5-74, Cl. 328-112.000.

Smith, David L., Sr.: *See—*
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Smith, David P. Motorized swimming aid. 3,789,792, 2-5-74, Cl. 115-6.100.

Smith, David R.: *See—*
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Smith, Dean G., to Goodrich, B. F., Company, The. Sealing ring. 3,813,104, 5-28-74, Cl. 277-94.000.

Smith, Dennis D., to Zenith Radio Coroporation. Television channel indicating tab with automatic VHF/UHF switching. 3,835,395, 9-10-74, Cl. 325-459.000.

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Smith, Dexter William; and Lumby, Roland John, to Lucas, Joseph, (Industries) Limited. Method of producing hot pressed components. 3,857,157, 12-31-74, Cl. 29-420.500.

Smith, Don Francis, to Otis Elevator Company. Elevator control system for indicating damage to an elevator structure. 3,791,490, 2-12-74, Cl. 187-29.00r.

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Smith, Donald G. Dental apparatus. 3,792,530, 2-19-74, Cl. 32-54.000.
Smith, Donald M.; and Nelson, Allen C. Method for monitoring gravel packed wells. 3,796,883, 3-12-74, Cl. 250-260.000.
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Smith, Dudley C.; Hurley, Jasper E.; and Harris, John D., to Mitchell, John E., Company. Machine for dispensing a semi-frozen carbonated beverage including a system for automatically controlling the quality of the beverage through timed modes. 3,823,571, 716-74, Cl. 62-136.000.
Smith, E. D.; and Knight, Robert C., to Soper-Macey Enterprises, Inc. Single or multiple stage bottom hole will pump. 3,822,970, 7-9-74, Cl. 417-552.000.
Smith, Earl Louis; Wetenkamp, Clifford Edward; and Ferguson, Thomas Kelly, to Brunswick Corporation. Two piece golf club cover. 3,821,976, 7-2-74, Cl. 150-52.00g.
Smith, Eastman. Instrument for improved eyesight-refraction testing. 3,825,326, 7-23-74, Cl. 351-32.000.
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Smith, Edward Payson; and Nadherny, Rudolph E., to Illinois Railway Equipment Company. Lading tie anchor. 3,831,532, 8-27-74, Cl. 105-369.00a.
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Smith, Emmett M. Detachable handle to fit a certain size and appropriate container. 3,821,832, 7-2-74, Cl. 16-114.00a.
Smith, Erdis L. Combination camper and boat. 3,831,208, 8-27-74, Cl. 9-1.00r.
Smith, Ernest L., to Phillips Petroleum Company. Tray with strengthening member. 3,785,544, 1-15-74, Cl. 229-14.0be.
Smith, Ernest L.; Duffy, Arthur R.; and Lyman, Eugene S. Liner. 3,795,573, 3-5-74, Cl. 161-165.000.
Smith, Ernest L., to Phillips Petroleum Company. Generally frustoconical container and blank therefor. 3,851,813, 12-3-74, Cl. 229-17.00g.
Smith, Ernest L., to Phillips Petroleum Company. Two-piece shield. 3,856,314, 12-24-74, Cl. 277-1.000.
Smith, Eugene J., to General Signal Corporation. Sedimentation apparatus with plural sludge discharge feature. 3,857,788, 12-31-74, Cl. 210-520.000.
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Smith, Floyd E. Track escapement and counter. 3,791,555, 2-12-74, Cl. 221-198.000.
Smith, Floyd O., to Esco Corporation. Shackle for kiln chain. 3,811,270, 5-21-74, Cl. 59-86.000.
Smith, Floyd Reid. Stook invertor. 3,825,140, 7-23-74, Cl. 214-768.000.
Smith, Forest D., to Electric Machinery Mfg. Company. Temperature measuring system for rotating machines. 3,824,857, 7-23-74, Cl. 73-351.000.
Smith, Francis Hughes, to Vickers Limited. Photometric instruments. 3,820,870, 6-28-74, Cl. 350-33.000.
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Smith, Frank T.; and Smith, Robert D., to Du Pont de Nemours, E. I., and Company. Liquid heat exchange system. 3,854,523, 12-17-74, Cl. 165-1.000.
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Smith, Fred T. Noise reduction apparatus and method. 3,822,551, 7-9-74, Cl. 60-428.000.
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Smith, Frederick R., to FMC Corporation. Regenerated cellulose-polyethylene glycol high fluid-holding fiber mass. 3,843,378, 10-22-74, Cl. 106-168.000.
Smith, Frederick R., to FMC Corporation. Absorbent mass of alloy fibers of regenerated cellulose and polyacrylic acid salt of alkali-metals or ammonium. 3,844,287, 10-29-74, Cl. 128-285.000.
Smith, Frederick R., to FMC Corporation. Absorbent alloy fibers of salts of carboxyalkylated starch and regenerated cellulose. 3,847,636, 11-12-74, Cl. 106-168.000.
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Smith, George Frederick. Fork-lift wheeled vehicle. 3,790,013, 2-5-74, Cl. 214-674.000.
Smith, George H., to Minnesota Mining and Manufacturing Company. Photosensitive material containing a diaryliodium compound, a sensitizer and a color former. 3,808,006, 4-30-74, Cl. 96-88.000.
Smith, George O., to General Motors Corporation. Procedure for charging an oleo-pneumatic shock absorber. 3,798,744, 3-26-74, Cl. 29-436.000.
Smith, George O., to General Motors Corporation. By-pass valve control. 3,829,294, 8-13-74, Cl. 23-288.00f.
Smith, George Rogers. Self-contained variable fluid bearing for skidding heavy loads. 3,841,719, 10-15-74, Cl. 308-5.000.
Smith, George W.; and Hayden, Daniel B., to General Motors Corporation. Homeotropic alignment additive for liquid crystals. 3,848,966, 11-19-74, Cl. 350-160.0lc.
Smith, Gerald P. Shingle cutting guide. 3,797,122, 3-19-74, Cl. 33-174.00g.
Smith, Gerald R. Pocket pill box. 3,817,372, 6-18-74, Cl. 206-42.000.
Smith, Glen C.; and Williams, Carson E., to Eastman Kodak Company. Swivelly mounted tailpipe for the jet device of a yarn bulking apparatus. 3,816,887, 6-18-74, Cl. 28-1.400.
Smith, Glen C., to Eastman Kodak Company. Apparatus for sensing and measuring tension of tow entering a staple fiber cutter. 3,834,263, 9-10-74, Cl. 83-346.000.
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Smith, Gordon E., to Medidyne Corporation. Catheter delivery device. 3,826,256, 7-30-74, Cl. 128-214.400.
Smith, Grace Lechner: *See—*
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Smith, Grant N., to Dow Chemical Company, The. Photo-chemical reaction apparatus. 3,858,051, 12-31-74, Cl. 250-527.000.
Smith, Graydon. Continuous incremental feed filtration process and apparatus. 3,855,126, 12-17-74, Cl. 210-77.000.
Smith, Gregory A., to Lyall Electric, Inc. Power cord hatch. 3,792,414, 2-12-74, Cl. 339-36.000.
Smith, Harold D.; and Chambers, Richard E., to United States of America, Air Force. Module construction system. 3,826,056, 7-30-74, Cl. 52-284.000.
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Smith, Harold Vernon, to Pennwalt Corporation. Aluminum etching process. 3,802,973, 4-9-74, Cl. 156-22.000.
Smith, Harris L. Trestle for a flexible hose. 3,819,137, 6-25-74, Cl. 248-49.000.
Smith, Harry A.; and Kobel, Erwin H., to Dow Chemical Company, The. Rubber and amine modified phenolic resins. 3,784,496, 1-8-74, Cl. 260-29.300.
Smith, Harry A., to Dow Chemical Company, The. Epoxy resin compositions containing aromatic disulfonamide salts. 3,819,581, 6-25-74, Cl. 260-47.0en.
Smith, Harry A., to Dow Chemical Company, The. Latent curing epoxy resin-aromatic disulfonamide compositions. 3,849,375, 11-19-74, Cl. 260-47.0en.
Smith, Harry A., to Dow Chemical Company, The. Rapid setting formaldehyde epoxy resin compositions. 3,852,240, 12-3-74, Cl. 260-47.0ep.
Smith, Harry A.; and Kobel, Erwin H., to Dow Chemical Company, The. Polyglycol-modified phenolic resins. 3,857,815, 12-31-74, Cl. 260-51.500.
Smith, Harry D., Jr.: *See—*
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Smith, Harry D., Jr., to Texaco Inc. Method for thermal well logging. 3,807,227, 4-30-74, Cl. 73-154.000.
Smith, Harry Davis, Jr., to Texaco Inc. Neutron-inelastic gamma radiation well logging method and apparatus with background accounted for. 3,796,877, 3-12-74, Cl. 250-270.000.
Smith, Harry E., to Hartman Metal Fabricators, Inc. Null track for automatic stacker. 3,790,005, 2-5-74, Cl. 214-16.40a.
Smith, Harry Niles. Fishing sinker. 3,823,503, 7-16-74, Cl. 43-43.130.
Smith, Harvell M., to Johns-Manville Corporation. Method and apparatus for direct formation of glass fiber slurry. 3,838,995, 10-1-74, Cl. 65-2.000.
Smith, Harvell Morton: *See—*
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Smalley, Rodney Roger; Staudinger, John Vendel; Smith, Harvell Morton; and Meeker, Brian Lee, 3,827,210.
Smith, Harvell Morton; and Hengstler, Robert Edward, to Johns-Manville Corporation. Apparatus for producing a mat. 3,801,243, 4-2-74, Cl. 425-80.000.
Smith, Harvey E.: *See—*
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Smith, Herman W.; and Berka, Paul H., to Aluminum Company of America. System and method for monitoring a press load. 3,825,811, 7-23-74, Cl. 318-646.000.
Smith, Homer A., Jr., to Eastman Kodak Company. Method and apparatus for capture and retention of a transient image. 3,824,008, 7-16-74, Cl. 353-26.000.
Smith, Horace L., to Smitherm Industries, Inc. Drying methods with moisture profile control. 3,791,049, 2-12-74, Cl. 34-16.000.

Smith, Horace L., Jr., to Smitherm Industries, Inc. Drying apparatus with moisture profile control. 3,793,741, 2-26-74, Cl. 34-48.000.

Smith, Horace L., Jr., to Smitherm Industries, Inc. Apparatus for producing soluble coffee concentrates. 3,799,049, 3-26-74, Cl. 99-470.000.

Smith, Horace L., Jr., to Smitherm Industries, Inc. Roasting apparatus. 3,823,662, 7-16-74, Cl. 99-468.000.

Smith, Horace L., Jr., to Smitherm Industries, Inc. Method for expanding tobacco. 3,823,722, 7-16-74, Cl. 131-140.00p.

Smith, Horace L., Jr., to Smitherm Industries, Inc. Valves for roasting apparatus and other applications. 3,825,221, 7-23-74, Cl. 251-62.000.

Smith, Hosea E., to Esso Research and Engineering Company. Heat exchanger. 3,805,887, 4-23-74, Cl. 165-76.000.

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Smith, Howard F., III, to Smith, Howard, Company. Clamping apparatus for resistance welding of multiple wires forming a well screen. 3,785,409, 1-15-74, Cl. 140-92.200.

Smith, Howard I. Power driven hammer. 3,847,322, 11-12-74, Cl. 227-132.000.

Smith, Hoyt L.: *See*—
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Smith, Ian E.: *See*—
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Smith, Ian E., to Savin Business Machines Corporation. System for reducing background developer deposition in an electrostatic copier. 3,782,818, 1-1-74, Cl. 355-10.000.

Smith, Ian E.; and Scroggs, Dennis I., to Savin Business Machines Corporation. Centrifugal mill for contact transfer electrostatic copier. 3,825,191, 7-23-74, Cl. 241-46.110.

Smith, Ian Edward: *See*—
Vermeulen, Marinus Cornelus; Smith, Ian Edward; and Hastwell, Peter John, 3,843,538.

Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, to Savin Business Machines Corporation. Apparatus for developing electrostatic images. 3,789,794, 2-5-74, Cl. 118-7.000.

Smith, Ian Edward; Hastwell, Peter John; and Grove, Elizabeth, to Savin Business Machines Corporation. Method of contact transfer of developed electrostatic images. 3,839,032, 10-1-74, Cl. 96-1.400.

Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, to Savin Business Machines Corporation. Developing liquid for electrostatic images. 3,850,829, 11-26-74, Cl. 252-62.100.

Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, to Savin Business Machines Corporation. Contact transfer electrostatic copying apparatus. 3,851,964, 12-3-74, Cl. 355-10.000.

Smith Industries Limited: *See*—
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Embling, Clifford Arthur, 3,803,596.

Smith International, Inc.: *See*—
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Smith, Irwin Donald; Tull, Thomas W.; and Fenton, Frank W. Pallet loading machine. 3,844,422, 10-29-74, Cl. 214-6.00p.

Smith, Ivan O. Tire caliper. 3,783,523, 1-8-74, Cl. 33-203.130.

Smith, Jack, to Eddy Match Company, Limited. Ice skate sharpening apparatus. 3,827,185, 8-6-74, Cl. 51-5.000.

Smith, Jack C.: *See*—
Garner, Kenneth B.; Martin, James R.; and Smith, Jack C., 3,802,245.

Smith, Jack Edward, to Dumont Aviation Associates. Pneumatic swivel assembly. 3,848,899, 11-19-74, Cl. 285-98.000.

Smith, Jack T., 25% to Dunn, Robert T. System for remote reading the angular position of a surface by detecting polarized light reflected therefrom. 3,804,522, 4-16-74, Cl. 356-114.000.

Smith, James: *See*—
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Smith, James. Acoustical device. 3,792,753, 2-19-74, Cl. 181-31.00b.

Smith, James, to General Electric Company. Gas turbine with removable self contained power turbine module. 3,823,553, 7-16-74, Cl. 60-39.16r.

Smith, James; and Baxter, John Kenneth, Jr., to General Electric Company. Modular gas turbine engine. 3,842,595, 10-22-74, Cl. 60-39.360.

Smith, James, & Son, Inc.: *See*—
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Smith, James A.; Kaiser, Robert G.; and Moffatt, Bruce S., to Clark & Vicario Corporation. Vacuum aeration of liquid waster effluent. 3,840,216, 10-8-74, Cl. 261-29.000.

Smith, James B. Well fluid separation method and apparatus. 3,789,583, 2-5-74, Cl. 55-171.000.

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Smith, James D. B., to Westinghouse Electric Corporation. Latent organic phosphonium salt catalysts for curing glycidyl ether epoxy resins. 3,784,583, 1-8-74, Cl. 260-830.0tw.

Smith, James D. B.; and Kauffman, Robert N., to Westinghouse Electric Corporation. Low cost resinous compositions comprising non-glycidyl ether epoxides. 3,792,011, 2-12-74, Cl. 260-37.0ep.

Smith, James J.: *See*—
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Smith, James J. Hand vise. 3,843,110, 10-22-74, Cl. 269-254.00r.

Smith, James Lanson: *See*—
Kish, Donald Eugene; and Smith, James Lanson, 3,812,480.

Smith, James M.; and Drennan, George A., to Hewlett-Packard Company. Microcircuit package assembly. 3,784,726, 1-8-74, Cl. 174-52.00s.

Smith, James M., to Hewlett-Packard Company. Coil diffusion welds in a microcircuit package assembly. 3,786,559, 1-22-74, Cl. 29-470.100.

Smith, James O.; and Delagrange, Carl R., to Celanese Corporation. Bulk yarn. 3,852,946, 12-10-74, Cl. 57-140.00r.

Smith, James P.: *See*—
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Smith, James S.: *See*—
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Smith, James S., Jr.; and Williams, James W., to General Electric Company. Ternary code error detector for a time-division multiplex, pulse-code modulation system. 3,842,401, 10-15-74, Cl. 340-146.1ab.

Smith, James S., Sr. Brush unit and replacement brush therefor. 3,846,861, 11-12-74, Cl. 15-179.000.

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Jecmen, James M.; Jecmen, John J.; Riley, Robert; and Smith, James W., 3,838,245.

Smith, Jay E., to United States of America, Atomic Energy Commission, mesne. Single-lamp ground detector for converter-inverter power supplies. 3,857,070, 12-24-74, Cl. 317-18.00r.

Smith, Jay G., Jr.; and Joyce, Jerry R., to Reynolds, R. J., Tobacco Company. Pepper harvester. 3,855,760, 12-24-74, Cl. 56-13.200.

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Smith, Jay N.; and Schantz, Robert I., to Impala Industries, Inc. Catalytic heater head. 3,857,669, 12-31-74, Cl. 431-328.000.

Smith, Jay R. Gun holder or rack for vehicles. 3,802,612, 4-9-74, Cl. 224-1.00r.

Smith, Jerry L.; and Powling, Frank F., to Carlisle Corporation. Bridging push-button switch with plastic mating housing portions. 3,829,633, 8-13-74, Cl. 200-16.00a.

Smith, Jessop; and Kocis, Thomas R., to Triple-S Development Co., Inc. Automatic shotgun choke. 3,797,155, 3-19-74, Cl. 42-79.000.

Smith, Jimmie D. Multi-use utility vehicle. 3,840,077, 10-8-74, Cl. 172-258.000.

Smith, Joe H.: *See*—
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Smith, Joe H., to United States Steel Corporation. Trolley apparatus for preventing or arresting the fall of an individual. 3,814,022, 6-4-74, Cl. 104-89.000.

Smith, Joe H., to United States Steel Corporation. Apparatus for and methods of lining a furnace. 3,853,204, 12-10-74, Cl. 182-128.000.

Smith, John. Emergency rotating warning lamp. 3,784,809, 1-8-74, Cl. 240-49.000.

Smith, John, to Dominion Auto Accessories Limited. Lamp construction. 3,801,810, 4-2-74, Cl. 240-7.10r.

Smith, John. Lamp housing and electrical terminal construction. 3,820,060, 6-25-74, Cl. 339-220.00l.

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Smith, John A.; and Miller, Stephen A., to Columbia Broadcasting System, Inc. Toy blocks having panelled construction. 3,787,996, 1-29-74, Cl. 46-25.000.

Smith, John A., to Halliburton Company. Process for removing copper deposits from surfaces. 3,853,618, 12-10-74, Cl. 134-3.000.

Smith, John Allen. Audio-visual display apparatus. 3,808,720, 5-7-74, Cl. 40-28.300.

Smith, John Cambridge, to Hydro-Mite Limited. Rotary couplings. 3,789,627, 2-5-74, Cl. 64-31.000.

Smith, John Cambridge, to Hydro-Mite, Limited. Radial piston hydraulic machines. 3,793,923, 2-26-74, Cl. 91-488.000.

Smith, John D., to Wellman Industries. Coin controlled vending apparatus. 3,782,518, 1-1-74, Cl. 194-54.000.

Smith, John D., to Wellman Industries. Carousel aligning apparatus. 3,785,524, 1-15-74, Cl. 221-122.000.

Smith, John E., to Tescom Corporation. Torch aparatus. 3,847,355, 11-12-74, Cl. 239-424.500.

Smith, John Edwin Latham; and Witheridge, Philip Henry, to Coal Industry (Patents) Limited. Method and apparatus for detecting pinholes in sheet material. 3,792,458, 2-12-74, Cl. 340-259.000.

Smith, John F., to Narco Scientific Industries, Inc. Audio threshold leveler with noise level suppressor. 3,825,851, 7-23-74, Cl. 330-29.000.

Smith, John Graham; and Sporle, Allen William, to United Glass Limited. Induction heat sealing of a container. 3,808,074, 4-30-74, Cl. 156-69.000.

Smith, John H., to Continental Oil Company. Reaction apparatus. 3,807,963, 4-30-74, Cl. 23-288.00k.

Smith, John H. Minimum tillage tool. 3,815,684, 6-11-74, Cl. 172-694.000.

Smith, John H., to Continental Oil Company. Method for preparing hydrogen sulfide. 3,851,049, 11-26-74, Cl. 423-564.000.

Smith, John I.; and McKinley, William R., to Rolm Corporation. Memory cell with reduced voltage supply while writing. 3,813,653, 5-28-74, Cl. 340-173.0df.

Smith, John J.: *See*—
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Smith, John Liberty, to Dunlop Limited. Polyurethane foams. 3,793,240, 2-19-74, Cl. 260-2.5ab.

Smith, John Lynn, to International Business Machines Corporation. Recirculating block cipher cryptographic system. 3,796,830, 3-12-74, Cl. 178-22.000.

Smith, John M.: *See*—
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Smith, John Paul: *See*—
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Smith, John R.; and Bray, James A., to National Steel Corporation. Lubricated metallic container stocks and method of preparing the same and applying an organic coating thereto. 3,826,675, 7-30-74, Cl. 117-75.000.

Smith, John R., to Parke, Davis & Company. Strip chart recording roll and system for supporting roll during recording. 3,827,544, 8-6-74, Cl. 197-133.00r.

Smith, John W.: *See*—
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Smith, John W.; and Long, John H., to Muirhead, Inc. Electrostatic marking system with a load stabilized power supply. 3,831,178, 8-20-74, Cl. 346-74.0es.

Smith, John W. Tray unit. 3,848,745, 11-19-74, Cl. 211-49.00d.

Smith, John W., Jr.: *See*—
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Smith, John William: *See*—
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Smith, John William, to Chloride Batteries Australia Limited. Battery and intercell connector. 3,821,029, 6-28-74, Cl. 136-134.00r.

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Smith, Joseph B., to Pipe Line Development Company, The. Method for plugging pipe. 3,785,041, 1-15-74, Cl. 29-471.300.

Smith, Joseph B., to Pipe Line Development Company, The. Apparatus for plugging pipe. 3,833,020, 9-3-74, Cl. 138-94.000.

Smith, Joseph D.: *See*—
Harris, Sterling G.; Smith, Joseph D.; McCall, David D.; Moore, Glenn S.; Hidden, William P.; and Svendsen, Noel, 3,828,398.

Smith, Joseph E.: *See*—
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Smith, Joseph E., to Wolverine-Pentronix, Inc. Boat steering and reversing system. 3,796,178, 3-12-74, Cl. 114-144.00r.

Smith, Joseph E., to Wolverine-Pentronix, Inc. Boat propulsion system. 3,799,102, 3-26-74, Cl. 115-18.00r.

Smith, Joseph E., to Wolverine-Pentronix, Inc. Boat steering and reversing system. 3,802,376, 4-9-74, Cl. 115-12.00r.

Smith, Joseph E.; Desantis, Raymond P.; and Detroyer, Georges D., to Wolverine-Pentronix, Inc. Apparatus for making annular parts. 3,822,622, 7-9-74, Cl. 83-100.000.

Smith, Joseph F. Method and apparatus for applying a false twist to yarns. 3,831,365, 8-27-74, Cl. 57-77.400.

Smith, Joseph L., Jr.; and Thullen, Philip, to Massachusetts Institute of Technology. Rotor structure for supercooled field winding. 3,816,780, 6-11-74, Cl. 310-52.000.

Smith, Joseph L., Jr.; and Thullen, Philip, to Massachusetts Institute of Technology. Relatively rotatable cryogenic transfer system. 3,845,639, 11-5-74, Cl. 62-505.000.

Smith, Joseph Leland: *See*—
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Smith, Joseph W.; and Hollencamp, Eugene A., to Carrier Corporation. Hydraulic valve seat expander. 3,824,667, 7-23-74, Cl. 29-200.00b.

Smith, Judson L. Turntable car wash. 3,797,059, 3-19-74, Cl. 15-201.00d.

Smith, Karl H.: *See*—
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Smith, Kenneth A.; and Stempnik, William, to General Motors Corporation. Dielectric embossing apparatus. 3,795,562, 3-5-74, Cl. 156-380.000.

Smith, Kenneth A., to General Motors Corporation. Method of dielectrically embossing risers in a trim assembly. 3,833,439, 9-3-74, Cl. 156-219.000.

Smith, Kenneth C., to Dayco Corporation. Printing blanket bar assembly with edging strip locking means. 3,844,214, 10-29-74, Cl. 101-415.100.

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Smith, Kenneth E.; and Smith, Charles A., to Sperry Rand Corporation. Positive detent device for the neddle yoke of a hay bale. 3,802,334, 4-9-74, Cl. 100-19.00a.

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Smith, Kobert Reynierson, II. Bicycle lock and alarm apparatus. 3,824,540, 7-16-74, Cl. 340-63.000.

Smith, Larry Charles. Pitcher. 3,851,860, 12-3-74, Cl. 259-55.000.

Smith, Laurence H., to Atlas Pacific Engineering Company. Machine for orienting pears. 3,797,639, 3-19-74, Cl. 198-33.0aa.

Smith, Laurence Michael: *See*—
Birchall, James Derek; Cassidy, John Edward; Priddle, John Edward; and Smith, Laurence Michael, 3,793,105.

Smith, Lawrence B., to Bioelectric Systems, Inc. Electric field propagating grid for inducing beneficial physiological effects in animals. 3,840,020, 10-8-74, Cl. 128-404.000.

Smith, Lawrence Edward; and Neal, David Lynn, to RCA Corporation. Jitter immune transistorized vertical deflection circuit. 3,794,877, 2-26-74, Cl. 315-27.0td.

Smith, Lawrence M.: *See*—
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Smith, Lawrence S. Slope indicator and roll-over warning indicator for earth moving equipment. 3,846,781, 11-5-74, Cl. 340-267.00r.

Smith, Lawson A. Sawmill with adjustable guides and spreaders. 3,828,635, 8-13-74, Cl. 83-102.100.

Smith, Layle V., to Dow Chemical Company, The. Foam plastic loose fill packing. 3,829,269, 8-13-74, Cl. 425-308.000.

Smith, Leary W.: *See*—
McCarty, John O.; and Smith, Leary W., 3,787,637.

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Smith, Leon E., Jr.: *See—*
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Smith, Leslie William; Wates, Michael John; and Tait, Robert John, to Norgren, C. A., Co. Means for coupling fluid control components in fluid lines. 3,848,626, 11-19-74, Cl. 137-269.000.
Smith, Lester C.; Ziffer, Garret F.; and Nelson, John Russell, to Coulter Electronics Inc., mesne. Automatic method and system for analysis and review of a plurality of stored slides. 3,851,972, 12-3-74, Cl. 356-72.000.
Smith, Lester L., to H C Products Co. Fabricated plastic panels. 3,797,186, 3-19-74, Cl. 52-314.000.
Smith, Lester L. Hinges for use on folding doors and the like. 3,813,730, 6-4-74, Cl. 16-135.000.
Smith, Leward N., to Marbark Industries, Inc. Sawmill log holder assembly. 3,797,349, 3-19-74, Cl. 83-404.100.
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Smith, Lionel S., Jr.: *See—*
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Smith, Lloyd M.; and Sayano, Kanji Frank, to United States of America, Navy. Passive ranging technique. 3,789,410, 1-29-74, Cl. 343-112.00d.
Smith, Lonnie W.; and Reddoch, Julius W. Insect exterminator. 3,807,083, 4-30-74, Cl. 43-138.000.
Smith, Loren William: *See—*
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Smith, Lowell R., to Monsanto Company. Preparation of 1,1,2,3-tetrachloropropene from 1,2,3-trichloropropane. 3,823,195, 7-9-74, Cl. 260-654.00r.
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Smith, Luther A. Emergency escape device for high rise building. 3,831,711, 8-27-74, Cl. 192-40.000.
Smith, Luther W., Jr., to American Optical Corporation. Method and apparatus for inspecting surface treated opthalmic lenses. 3,807,867, 4-30-74, Cl. 356-114.000.
Smith, Lyle B., to General Motors Corporation. Fluid operated starting clutch with centrifugally actuated control valves. 3,819,020, 6-25-74, Cl. 192-103.0fa.
Smith, Lynwood Vincent, to Gulf & Western Manufacturing Company. Clasp. 3,836,049, 9-17-74, Cl. 24-201.00r.
Smith, M. Kent. Dice maze puzzle. 3,785,651, 1-15-74, Cl. 273-113.000.
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Smith, Maurice N., to United States of America, Navy. Three-phase power disturbance monitor. 3,813,667, 5-28-74, Cl. 340-248.00a.
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Smith, Peter R., to Stone-Platt Crawley Limited. Combustion chambers. 3,840,332, 10-8-74, Cl. 431-351.000.
Smith, Peter W., to United Aircraft Corporation. Zoom interferometer antenna. 3,854,141, 12-10-74, Cl. 343-777.000.
Smith, Peter William; and Wood, Obert Reeves, III, to Bell Telephone Laboratories, Incorporated. Transversely-excited waveguide gas laser. 3,815,047, 6-4-74, Cl. 331-94.50r.
Smith, Pryer C., Sr. Programming system. 3,809,812, 5-7-74, Cl. 179-1.00b.
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Smith, Ray E., to Meadox Medicals, Inc. Compaction of polyester fabric materials. 3,853,462, 12-10-74, Cl. 8-130.100.
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Smith, Richard E., to Xerox Corporation. Developer blade cleaning. 3,848,992, 11-19-74, Cl. 355-15.000.
Smith, Richard F. Welding electrode having frictional loop engaging portion. 3,798,412, 3-19-74, Cl. 219-145.000.
Smith, Richard F., to GAF Corporation. Preparation of other adducts of N-vinyl-2-pyrrolidone. 3,823,160, 7-9-74, Cl. 260-326.5fl.
Smith, Richard J., to McGill Manufacturing Company, Inc. Shaft locking device for a bearing assembly. 3,797,901, 3-19-74, Cl. 308-236.000.
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Smith, Richard N., to Sybron Corporation. Electrodialytic recovery of acid and insoluble products from spent liquors. 3,844,927, 10-29-74, Cl. 204-301.000.
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Smith, Richard Root; and Cheney, Lee Cannon, to Bristol-Myers Company. Production of o-aminomethylphenyl acetic acid lactam. 3,796,717, 3-12-74, Cl. 260-289.00r.
Smith, Richard Terence, to Rubery, Owen & Co., Limited. Load carrying vehicles. 3,804,189, 4-16-74, Cl. 180-24.020.
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Smith, Robert. Ophthalmic screen for motorists. 3,848,919, 11-19-74, Cl. 296-97.00f.
Smith, Robert B., to National Steel Corporation. Recovering chromium values for stabilization of tin-plate surfaces. 3,847,757, 11-12-74, Cl. 204-40.000.
Smith, Robert C.; and Steffensen, Roger J., to Amoco Production Company. Temperature well logging. 3,795,142, 3-5-74, Cl. 73-154.000.
Smith, Robert C., to Rochester Shoe Tree Company, Inc. Spreader for shoe stretcher. 3,823,433, 7-16-74, Cl. 12-117.200.
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Smith, Robert L., to Roart Plastics, Inc. Cable splice housing. 3,823,254, 7-9-74, Cl. 174-92.000.
Smith, Robert Lewis, to Chemetron Corporation. Feeding apparatus for elongated masses of material. 3,857,475, 12-31-74, Cl. 198-137.000.
Smith, Robert M. Security coupling. 3,785,670, 1-15-74, Cl. 280-79.100.
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Smith, Robert T., Jr., to Philco-Ford Corporation. Radio tuning apparatus. 3,854,342, 12-17-74, Cl. 74-10.500.
Smith, Robert W.; Ordway, Fred; Taylor, Charles A.; and Zimmerman, William, III, to Artech Corporation. Irreversible warm-up indicator. 3,786,777, 1-22-74, Cl. 116-114.0ab.
Smith, Robert William George; Barron, David Michael Arthur; and Wingrove, Arthur George, to Dialled Despatches Limited. Conveyor system. 3,813,058, 5-28-74, Cl. 243-16.00r.
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Smith, Ross Alexander; and Lambrou, Andreas, to Bush Boake Allen Limited. Encapsulated flavoring composition. 3,819,838, 6-25-74, Cl. 426-89.000.
Smith, Ross Francis. Furniture. 3,807,792, 4-30-74, Cl. 297-54.000.
Smith, Roy A., to TRW Inc. Optical imaging of sound fields by heterodyning. 3,831,135, 8-20-74, Cl. 340-3.00r.
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Smith, Roy E., to Textron, Inc., mesne. Method for securing door frame components. 3,791,017, 2-12-74, Cl. 29-432.000.
Smith, Roy E., to Packard Instrument Company, Inc. Vial transfer mechanism. 3,852,599, 12-3-74, Cl. 250-328.000.
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Smith, Stanley D.; and Hamilton, Stephen B., Jr., to General Electric Company. Alkanedioxy titanium chelates. 3,856,839, 12-24-74, Cl. 260-429.500.
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Smith, Stanley E., to General Motors Corporation. Shielded instrument panel for use with a windshield radio antenna. 3,816,836, 6-11-74, Cl. 343-713.000.
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Smith, Stephen Clifford, to International Computers Limited. Switching circuits for energising a load. 3,818,310, 6-18-74, Cl. 321-18.000.
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Smith, Sterling F. Sewage flow control system. 3,805,817, 4-23-74, Cl. 137-8.000.
Smith, Stuart B., to Foster Grant Co., Inc. Process for dyeing expandable thermoplastic polymers. 3,850,860, 11-26-74, Cl. 260-2.50b.
Smith, Stuart L. Apparatus and method for the application of a continuous somatic nerve block. 3,854,477, 12-17-74, Cl. 128-213.000.
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Smith, Thomas B., to Ikor Incorporated. Apparatus for and method of sensing particulate matter. 3,794,909, 2-26-74, Cl. 324-32.000.
Smith, Thomas D.; and Weston, Jasper B., Jr., to Scientific-Atlanta, Inc. Antenna array for minimizing co-channel interference. 3,790,950, 2-5-74, Cl. 343-792.500.
Smith, Thomas Gordon: *See—*
Eastham, Gerard; and Smith, Thomas Gordon, 3,805,516.
Smith, Thomas R.: *See—*
Noneman, Thomas S.; Smith, Thomas R.; and Stokes, John B., 3,796,474.
Smith, Thomas R.; Pond, Robert W.; and Rivers, Richard D., to American Air Filter Company, Inc. Ceiling filter system for clean room. 3,782,082, 1-1-74, Cl. 55-494.000.
Smith, Thomas R. Drive belt. 3,792,621, 2-19-74, Cl. 74-231.00r.
Smith, Thomas R., to Maytag Company, The. Bulkhead seal for clothes dryer. 3,816,942, 6-18-74, Cl. 34-242.000.
Smith, Thomas R., to Pyramid, Inc. Flexible coupling. 3,823,577, 7-16-74, Cl. 64-11.00r.
Smith, Thomas W., to McNeil Corporation. Method and apparatus for controlling the cure of a rubber article. 3,819,915, 6-25-74, Cl. 235-151.000.
Smith, Tom F., to United States T.R.A.D. Corporation. Converter lens. 3,844,639, 10-29-74, Cl. 350-181.000.
Smith, Traner J.: *See—*
Lazzarini, Louis P.; and Smith, Traner J., 3,851,753.
Smith, Traver J., to Hanscom, Genevieve I.; (formerly Magnuson, Genevieve I.) and 1/2 to Hansom, Genevieve I.; Magnuson, Robert; Thomson, Lois J.; formerly Duggan, Lois J., as trustees of the estate of Magnuson, Roy M. Dry blanching process. 3,801,715, 4-274, Cl. 425-314.000.
Smith, Treva M.: *See—*
Lipscomb, Charles A., Jr.; and Smith, Treva M., 3,821,120.
Smith, Troy F., Jr., to Mead Corporation, The. Clipboard and novel hinge connections. 3,833,970, 9-10-74, Cl. 24-67.500.
Smith, Vernon O., to Overhead Door Corporation. Dockboard safety stop. 3,835,497, 9-17-74, Cl. 14-71.000.
Smith, Victor Albert: *See—*
Skedgell, Anthony Northcott; Hart, Anthony Christopher; and Smith, Victor Albert, 3,839,096.
Skedgell, Anthony Northcott; Smith, Victor Albert; and Evans, Thomas Ernest, 3,850,767.
Smith, Vigo N.; and Bowers, Richard C., to Shell Oil Company. Scanning infrared spectroscopic analyzer using rotating variable filter. 3,794,425, 2-26-74, Cl. 356-51.000.
Smith, Wade O.; and Toft, Albert R., to United States of America, National Aeronautics and Space Administration. Formation of star tracking reticles. 3,799,793, 3-26-74, Cl. 117-45.000.
Smith, Wallace Leland: *See—*
Shuey, Scott James; Smith, Wallace Leland; and Wilk, Harold G., 3,788,764.
Smith, Walter E.: *See—*
Fedor, Robert J.; and Smith, Walter E., 3,797,084.
Smith, Walter E. Fret board for guitar. 3,785,239, 1-15-74, Cl. 84-314.000.
Smith, Walter E. Slide bar apparatus for guitar. 3,822,629, 7-9-74, Cl. 84-314.000.
Smith, Walter J.; and Bukey, John R., to Firestone Tire & Rubber Company, The. Spinnable compositions of nylon and a fatty diamide, and drawn articles spun therefrom. 3,801,521, 4-2-74, Cl. 260-28.000.
Smith, Walter S., to Rockwell International Corporation. Means for overcoming fan-out in lithograph press. 3,833,213, 9-3-74, Cl. 271-254.000.
Smith, Ward C., to Corning Glass Works. Identification system. 3,818,897, 6-25-74, Cl. 128-2.00f.
Smith, Ward Harris. Portable cleaning and sanitizing system. 3,797,744, 3-19-74, Cl. 239-172.000.
Smith, Warren K., to United States of America, Navy. Incendiary capture device. 3,854,332, 12-17-74, Cl. 73-167.000.
Smith, Warren M., to Esso Research and Engineering Company. Flue gas desulfurization using surface impregnated sorbent. 3,816,597, 6-11-74, Cl. 423-244.000.
Smith, Wayne A.: *See—*
Cornell, Thomas V.; Smith, Wayne A.; and Wilkinson, Lester, 3,825,697.
Smith, Wayne G.: *See—*
Klee, Maurice; and Smith, Wayne G., 3,840,094.
Smith, Werner G., Inc.: *See—*
Zipt, Robert L., 3,850,827.
Smith, Wesley A. Door operator. 3,785,089, 1-15-74, Cl. 49-139.000.

Smith, Wesley E.; and Horne, Ottis J., Jr., to United States of America, Atomic Energy Commission. Method for increasing the carbon yield of indene-derived carbon precursors. 3,792,155, 2-12-74, Cl. 423-448.000.
Smith, Willard G.: *See—*
Caywood, James A.; McKeron, Charles E.; and Smith, Willard G., 3,827,336.
Smith, Willfred F.: *See—*
Allen, Charles H.; and Smith, Willfred F., 3,814,130.
Smith, William: *See—*
Bennet, Stanford M.; Smith, William; and Thomas, Joseph J., 3,825,001.
Smith, William, to Steel Company of Canada Limited, The. Method for rolling hot metal workpieces. 3,803,891, 4-16-74, Cl. 72-231.000.
Smith, William, to Steel Company of Canada, Limited, The. Method and apparatus for rolling hot metal workpieces and coiler for use in coiling hot metal workpieces. 3,805,570, 4-23-74, Cl. 72-146.000.
Smith, William A.; and Butler, John R., to Raytheon Company. Multisignal magnetron having plural signal coupling means. 3,792,306, 2-12-74, Cl. 315-39.570.
Smith, William Arthur, to Babcock & Wilcox Limited. Valve proving system. 3,830,250, 8-20-74, Cl. 137-312.000.
Smith, William E.: *See—*
Florence, Jack M.; and Smith, William E., 3,841,927.
Smith, William E. Process for making diaryl methanes. 3,799,991, 3-26-74, Cl. 260-613.00r.
Smith, William E., to GSW Appliances Limited. Hinge structure. 3,810,275, 5-14-74, Cl. 16-189.000.
Smith, William E. Line pulling apparatus. 3,819,155, 6-25-74, Cl. 254-175.500.
Smith, William E., to General Electric Company. Process for making aromatic aldehydes. 3,833,660, 9-3-74, Cl. 260-599.000.
Smith, William F. Adaptable gear housing for linear actuator construction. 3,798,983, 3-26-74, Cl. 74-89.150.
Smith, William H. Vehicle power system. 3,828,880, 8-13-74, Cl. 180-66.00r.
Smith, William M., to Redy-Tow, Inc. Tow trailer for vehicles. 3,841,506, 10-15-74, Cl. 214-86.00a.
Smith, William Michael, Jr.: *See—*
Garnache, Richard Raymond; and Smith, William Michael, Jr., 3,841,926.
Smith, William Michael, Jr., to International Business Machines Corporation. Field effect transistor integrated circuit and memory. 3,811,076, 5-14-74, Cl. 317-235.00r.
Smith, William Paul, to Graphic Arts Packaging Corporation. Box blank. 3,814,303, 6-4-74, Cl. 229-38.000.
Smith, William R.: *See—*
Baumann, Frederick W.; La Bahn, William C.; Mac Nary, Robert G.; and Smith, William R., 3,799,240.
Baumann, Frederick William; Kaczkowski, Bernard Ceasar; Rosenberry, George Mowry, Jr.; and Smith, William R., 3,825,057.
La Bahn, William C.; MacNary, Robert G.; and Smith, William R., 3,821,980.
La Bahn, William C.; MacNary, Robert G.; and Smith, William R., 3,833,049.
Smith, William R., to Cincinnati Milacron Inc. Dispensing shipping container with funnel-type pallet. 3,785,534, 1-15-74, Cl. 222-460.000.
Smith, William R., to Textron, Inc. Turret lathe. 3,845,532, 11-5-74, Cl. 29-40.000.
Smith, William Ralph; and Deutsch, Herman, to Tele/Resources, Inc. Time division multiplex branch exchange. 3,825,693, 7-23-74, Cl. 179-15.0at.
Smith, William Russell, to General Electric Company. Apparatus for pouring molten metal from a ladle. 3,818,985, 6-25-74, Cl. 164-300.000.
Smith, William Stephens, to Dresser Industries, Inc. Nut collecting and retaining socket for power tools. 3,789,706, 2-5-74, Cl. 81-57.290.
Smith, Willis R.: *See—*
Sibley, Henry C.; Auer, John H., Jr.; and Smith, Willis R., 3,825,744.
Smith, Willis R.; and Kure, Leonard J., to General Signal Corporation. Printed circuit connector and keying structure. 3,818,280, 6-18-74, Cl. 317-101.0dh.
Smith, Willis R.; and Turner, Daniel E., to General Signal Corporation. Noise suppression system for car retarders. 3,838,646, 10-1-74, Cl. 104-26.00r.
Smith, X. S., Inc.: *See—*
Gahler, Charles C., 3,791,076.
Gahler, Charles C., 3,830,033.
Smith-Berger Manufacturing Corporation: *See—*
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Smith-Gates Corporation: *See—*
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Smith-Inland, A.O., Inc.: *See—*
Fiser, James T.; Jackman, Robert M.; and James, Ray R., 3,794,081.
Smith-Johannsen, Robert, to Raychem Corporation. Method of making self limiting heat elements. 3,793,716, 2-26-74, Cl. 29-611.000.
Smith-Vaniz, William R.: *See—*
Kuring, Victor M.; Smith-Vaniz, William R.; Carley, Jay L.; Shine, William P.; and Darling, Richard H., 3,801,408.
Smith-Vaniz, William Reid: *See—*
Russo, John J.; and Smith-Vaniz, William Reid, 3,793,595.
Smith-Veniz, William Reid: *See—*
Teass, Horace A., Jr.; and Smith-Veniz, William Reid, 3,831,083.
Smith-Williston, Inc.: *See—*
Pearson, Bernard A., 3,791,463.
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Smithe, F. L., Machine Company, Inc.: *See—*
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Bethke, Erwin, 3,847,384.
Helm, Herbert W., 3,782,233.
Helm, Herbert W., 3,790,163.
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Smitherm Industries, Inc.: *See—*
Smith, Horace L., 3,791,049.
Smith, Horace L., Jr., 3,793,741.
Smith, Horace L., Jr., 3,799,049.
Smith, Horace L., Jr., 3,823,662.
Smith, Horace L., Jr., 3,823,722.
Smith, Horace L., Jr., 3,825,221.
Smitherman, John B. Pollution control apparatus for smoke emitter. 3,785,126, 1-15-74, Cl. 55-228.000.
Smithers, James P.: *See—*
Anderson, Benjamin M.; and Smithers, James P., 3,822,525.
Smithers, Michael James: *See—*
Hayward, Christopher Frederick; and Smithers, Michael James, 3,819,606.
Smithers, Philip G. K., to Frico Products Corporation, mesne. Windscreen wipers. 3,843,994, 10-29-74, Cl. 15-250.320.
Smithey, Walter A., to American Cyanamid Company. High luster, antisoiling acrylic fibers. 3,846,226, 11-5-74, Cl. 161-178.000.
Smithfield Fibers, Inc.: *See—*
Blezard, Robert C.; and Millard, William E., 3,808,840.
Smithkey, John C., Jr., to Goodyear Tire & Rubber Company, The. Tire with folded breaker belt splicing. 3,830,276, 8-20-74, Cl. 152-361.0fp.
Smithkline Corporation: *See—*
Actor, Philip Paul; Enrico, Cesare; and Pellerano, Giuseppe (said Actor assor. to), 3,810,984.
Baile, Clifton A.; McLaughlin, Carol Lynn; and Webb, Robert Lee, 3,812,255.
Baile, Clifton A.; Krabill, Lavern F.; and Simpson, C. Wayne, 3,818,101.
Bender, Paul E.; and Loev, Bernard, 3,856,822.
Blackburn, Dale W.; Devenney, Robert F.; and Jen, Timothy Yu-Wen, 3,790,573.
Blackburn, Dale W.; Devenney, Robert F.; and Mlynarski, John J., 3,856,704.
Brenner, L. Martin; and Loev, Bernard, 3,853,865.
Brenner, Martin; and Loev, Bernard, 3,842,173.
Chow, Alfred W.; Dunn, George L.; Hoover, John R. E.; and Weisbach, Jerry A., 3,821,207.
Craig, Paul N.; and Zirkle, Charles L., 3,800,044.
De Marinis, Robert M.; and Hoover, John R. E., 3,828,037.
Fare, Louis R.; Goore, Moshe; Naylor, James F., III; and Valenta, Joseph R., 3,821,193.
Goore, Moshe, 3,800,035.
Guarini, Joseph R., 3,796,801.
Hoover, John R. E.; and Stedman, Robert John, 3,795,695.
Jen, Timothy Yu-Wen; and Weisbach, Jerry A., 3,799,922.
Kaiser, Carl; and Ross, Stephen T., 3,793,460.
Kaiser, Carl; and Ross, Stephen T., 3,843,794.
Loev, Bernard, 3,799,946.
Loev, Bernard, 3,804,854.
Loev, Bernard, 3,821,386.
Loev, Bernard, 3,825,547.
Loev, Bernard, 3,856,820.
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Loev, Bernard, 3,856,823.
McGusty, Elizabeth R.; and Sutton, Blaine M., 3,784,687.
McGusty, Elizabeth R.; and Sutton, Blaine M., 3,792,165.
Mendelson, Wilford L., 3,840,547.
Pagano, Joseph F., 3,794,723.
Parish, Roger C.; and Trei, John E., 3,796,797.
Parish, Roger C.; and Trei, John E., 3,798,330.
Parish, Roger C.; and Trei, John E., 3,801,710.
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Sutton, Blaine M., 3,818,092.
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Sutton, Blaine M., 3,821,398.
Sutton, Blaine M.; Walz, Donald T.; and Wilson, James W., 3,826,839.
Sutton, Blaine M.; and Weinstock, Joseph, 3,842,107.
Sutton, Blaine M.; and Weinstock, Joseph, 3,842,108.
Sutton, Blaine M., 3,843,626.
Weinstock, Joseph, 3,816,627.
Weinstock, Joseph, 3,839,321.
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Whitecar, Alten E., 3,813,956.

Smithlin, John R., to United States of America, Navy. Method and apparatus for decoding a manchester waveform. 3,820,031, 6-25-74, Cl. 328-119.000.

Smiths Industries Limited: *See—*
Ashby, Robin; and Adams, Terence Ernest, 3,787,758.
Boult, Cecil Leslie, 3,796,041.
Boult, Cecil Leslie, 3,823,612.
Cleare, Ian Martin, 3,791,680.
Cross, David Edward, 3,810,474.
Gordon, Alfred Kenneth; and Willmott, Kenneth Eardley, 3,853,475.
Goss, Alan P.; Shepherd, Brian; and Williams, David A., 3,796,470.
Shepherd, Brian, 3,816,759.

Smithson, Harold R.; Conroy, Joseph E., Jr.; and Kardan, Cevat, to Oxy-Catalyst, Inc. Apparatus and method for increasing the temperature of an effluent burner. 3,830,618, 8-20-74, Cl. 431-5.000.

Smithwick, Edward L., Jr., to Lilly, Eli, and Company. O-methyl acronycine salt. 3,843,658, 10-22-74, Cl. 260-279.00r.

Smithwick, Edward L., Jr., to Lilly, Eli, and Company. Process for preparing a protected arginine. 3,856,848, 12-24-74, Cl. 260-482.00c.

Smithwick, Edward L., Jr., to Lilly, Eli, and Company. Process for purifying blocked synthetic peptides. 3,857,829, 12-31-74, Cl. 260-112.500.

Smits, Denis L., to Superseal Corporation. Double glazed window assembly. 3,834,097, 9-10-74, Cl. 52-172.000.

Smitzer, Louis A., to Ovonic Image Systems, Inc. Microfiche reader with indexed fiche magazine. 3,797,925, 3-19-74, Cl. 353-27.000.

Smitzer, Louis A.; and Amtmann, Jurgen, to Ovonic Image Systems, Inc. Flash copier. 3,829,215, 8-13-74, Cl. 355-113.000.

Smock, Edmund G. Air-bag elevated dump vehicle. 3,784,255, 1-8-74, Cl. 298-8.00t.

Smokontrol Corporation of America: *See—*
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Smol, Robert: *See—*
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Smola, Dennis E.: *See—*
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Smolderen, Albert Emiel, to Agfa-Gevaert N.V. Method and apparatus for continuously wrapping flexible sheets. 3,782,067, 1-1-74, Cl. 53-28.000.

Smolderen, Albert Emiel; and Cappuyns, Joseph Marie, to Agfa-Gevaert N.V. Method for packaging. 3,795,080, 3-5-74, Cl. 53-14.000.

Smolderen, Albert Emiel; and Cappuyns, Joseph Marie, to Agfa-Gevaert N.V. Web tensioning device. 3,817,468, 6-18-74, Cl. 242-56.900.

Smolen, James J. Molded decorative accessories for jack-O'-lanterns. 3,822,170, 7-2-74, Cl. 161-12.000.

Smolin, Edwin M.: *See—*
Field, Nathan D.; Smolin, Edwin M.; and Williams, Earl P., 3,839,310.
Kiss, Kornel D.; Mills, George S.; and Smolin, Edwin M., 3,790,647.

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Smolinski, Manfred: *See—*
Winter, Hermann; Smolinski, Manfred; Wolf, Hans-George; Roll, Harry; Hoffmann, Kurt; and Jacob, Helmut, 3,805,869.

Smolinski, Richard C. Practice golf club. 3,834,714, 9-10-74, Cl. 273-183.00d.

Smolinsky, Gerald; Tien, Ping King; and Vasile, Michael Joseph, to Bell Telephone Laboratories, Incorporated. Thin film light guide. 3,822,928, 7-9-74, Cl. 350-96.0wg.

Smolka, Carl M. Automatic antenna coupler utilizing system for measuring the real part of the complex impedance or admittance presented by an antenna or other network. 3,825,825, 7-23-74, Cl. 324-57.00r.

Smolka, Frank R.: *See—*
Gillig, Frederick S.; Smolka, Frank R.; and Trembly, Lynn D., 3,813,784.

Smolka, Kurt. Garbage press. 3,826,187, 7-30-74, Cl. 100-53.000.

Smolka, Thomas Gordon: *See—*
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Turnheim, Georg; and Smolka, Thomas Gordon, 3,802,715.

Smolka, Thomas Gordon; and Hrachowitz, Franz, to Gertsch AG. Spring lock. 3,788,660, 1-29-74, Cl. 280-11.35t.

Smolka, Thomas Gordon; and Schweizer, Gottfried, to Gertsch AG, mesne. Safety release ski bindings. 3,794,338, 2-26-74, Cl. 280-11.35t.

Smolka, Thomas Gordon, to Gertsch AG, mesne. Releasable ski binding. 3,794,339, 2-26-74, Cl. 280-11.35m.

Smolka, Thomas Gordon; and Schweizer, Gottfried, to Gertsch AG, mesne. Ski binding. 3,797,839, 3-19-74, Cl. 280-11.35c.

Smolka, Thomas Gordon; and Schweizer, Gottfried, to Gertsch AG, mesne. Ski binding. 3,797,844, 3-19-74, Cl. 280-11.35c.

Smolka, Thomas Gordon; and Schweizer, Bottfried, to Gertsch AG, mesne. Sole support apparatus. 3,799,563, 3-26-74, Cl. 280-11.35c.

Smolka, Thomas Gordon; and Schweizer, Gottfried, to Gertsch AG, mesne. Ski binding. 3,819,199, 6-25-74, Cl. 280-11.35m.

Smolka, Thomas Gordon, to Gertsch AG, mesne. Safety ski binding. 3,826,509, 7-30-74, Cl. 280-11.35m.

Smollinger, Carl W., to Bethlehem Steel Corporation. Vibration damped fitting. 3,846,033, 11-5-74, Cl. 403-220.000.

Smolyaninov, Vladimir Georgievich: *See—*
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Smoot, Charles H.; Kleven, Lowell A.; and Wirth, Gary J., to Uniflo Systems Company. Switch for vehicle guideway. 3,808,977, 5-7-74, Cl. 104-130.000.

Smoot, Charles W.; and Saldenais, Arvids, to Apeco Corporation. Carriage adjusting mechanism for camera. 3,790,274, 2-5-74, Cl. 355-55.000.

Smoot, Edward H., to Schlegel Manufacturing Company, The. Spare tire removal system. 3,787,953, 1-29-74, Cl. 29-427.000.

Smoot, Edward H., to Schlegel Manufacturing Company, The. Clothes dryer seal. 3,828,445, 8-13-74, Cl. 34-242.000.

Smoot, Edward H., to Schlegel Manufacturing Company, The. Refrigerator door-making method. 3,832,768, 9-3-74, Cl. 29-428.000.

Smorenburg, Johannes Jacobus, to Stork Amsterdam N.V. Device for cutting through a block of plastic material. 3,805,651, 4-23-74, Cl. 83-160.000.

Smorenburg, Johannes Jacobus, to Stork Amsterdam N.V. Apparatus for liquid extraction form liquid-containing material with an adjustable discharge opening. 3,830,153, 8-20-74, Cl. 100-121.000.

Smorodinov, Alexandr Nikolaevich: *See—*
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Smrcek, Bruno, to Schiess Aktiengesellschaft. Duplicating grinding machine. 3,813,824, 6-4-74, Cl. 51-101.00r.

Smrcka, Joseph G., to Alderson Research, Laboratories, Inc. Training dummy with simulated wound. 3,852,893, 12-10-74, Cl. 35-17.000.

Smrt, Thomas J. Sprayer with wind screen and adjustable wheels. 3,796,353, 3-12-74, Cl. 222-176.000.

Smrt, Thomas J. Actuator for aerosol can valve. 3,817,429, 6-18-74, Cl. 222-402.220.

Smrt, Thomas J. Method of filling aerosol spray cans. 3,835,896, 9-17-74, Cl. 141-3.000.

Smrt, Thomas J. Actuating assembly for aerosol spray can. 3,854,632, 12-17-74, Cl. 222-182.000.

Smtih, Jack E., to International Business Machines Corporation. Platen brake and paper blousing eliminator. 3,799,314, 3-26-74, Cl. 197-133.00r.

Smtih, Thomas R.; and Faust, Stewart W., to Maytag Company, The. Fluid control system. 3,810,480, 5-14-74, Cl. 134-104.000.

Smucker, Clayton A.: *See—*
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Smuland, Robert J.; and Ward, Richard K., to General Electric Company. Combustion liner cooling slot stabilizing dimple. 3,826,082, 7-30-74, Cl. 60-39.650.

Smulka, Roman, to Honeywell Inc. Fastening device for fastening a member through a hold in a wall from the inside surface of the wall. 3,797,866, 3-19-74, Cl. 285-208.000.

Smutny, Frank D.; and Hassen-Plug, Maurice M. Portable blind. 3,799,608, 3-26-74, Cl. 297-184.000.

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Smykal, Robert C.; and Koryta, Leonard D., to Durox Equipment Company. Water pump. 3,796,507, 3-12-74, Cl. 415-111.000.

Smylie, Charles Albert; and Rest, David Howard, to Y & S Candies, Inc. Process for preparing licorice type candy. 3,806,617, 4-23-74, Cl. 426-380.000.

Smyser, Clarence M. Thermal shock-resistant clay. 3,817,763, 6-18-74, Cl. 106-45.000.

Smyser, Clarence Michael. Process of making thermal shack-resistant ceramic ware. 3,818,087, 6-18-74, Cl. 264-65.000.

Smyth Europea S.p.A.: *See—*
Depetris, Lorenzo, 3,797,419.

Smyth Manufacturing Company, mesne: *See—*
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Streeter, Daniel I., 3,797,420.

Smyth, Michael James; Murdoch, Robert; and Gibson, John Anderson, to United Kingdom Atomic Energy Authority. Separation apparatus. 3,844,926, 10-29-74, Cl. 204-299.000.

Smyth, Robert M.: *See—*
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Smythe, George Edward, to U.S. Philips Corporation. Medical ventilator including a fail-safe device. 3,844,280, 10-29-74, Cl. 128-145.600.

Smythe, George Edward; and Orton, Geoffrey Keith, to U.S. Philips Corporation. Electronically-controlled gas pressure meter. 3,848,591, 11-19-74, Cl. 128-145.800.

Smythe, John W.; Reichman, Steven H.; and Weaver, Don M., to Federal-Mogul Corporation. Process for compacting metal powder. 3,824,097, 7-16-74, Cl. 75-226.000.

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King, Tommie G.; and Snyder, Merlyn J., 3,817,531.
Snyder, Michael D.; and Radice, John G., to Singer Company, The. Timing assembly. 3,796,107, 3-12-74, Cl. 74-397.000.
Snyder, Paul F.: *See*—
Snyder, Raymond C.; and Snyder, Paul F., 3,820,612.
Snyder, Paul W., Jr., to Mobil Oil Corporation. Device for injecting easily coked fluids into a high temperature vessel. 3,812,029, 5-21-74, Cl. 208-113.000.
Snyder, Raymond C.; and Snyder, Paul F. Method for lubricating an unsealed boring bit. 3,820,612, 6-28-74, Cl. 175-70.000.
Snyder, Richard C.; and Bodinger, Donald C., to Pullman Incorporated. Freight car end construction. 3,791,312, 2-12-74, Cl. 105-423.000.
Snyder, Richard C.; and Mundinger, William D., to Pullman Incorporated. Strap anchor and belt rail mounting arrangement. 3,853,071, 12-10-74, Cl. 105-409.000.
Snyder, Richard N.: *See*—
Cervenec, Stephen William; Orr, Albert Stanford; and Snyder, Richard N., 3,830,344.
Snyder, Richard Paul: *See*—
Teague, Roger W.; and Snyder, Richard Paul, 3,856,216.
Snyder, Richard Paul Largo: *See*—
Teague, Roger W.; and Snyder, Richard Paul Largo, 3,836,463.
Snyder, Robert G. Multipath conference system with switching. 3,818,139, 6-18-74, Cl. 179-1.0cn.
Snyder, Robert H., to Uniroyal, Inc. Steel-belted radial ply tires with 0 textile cap band. 3,850,219, 11-26-74, Cl. 152-361.0dm.
Snyder, Robert W., to Armstrong Cork Company. Embossing and valley printing of carpets by hot melt ink. 3,850,095, 11-26-74, Cl. 101-32.000.
Snyder, Roderick C., to Loed Corporation. Convertible snow plow with auxiliary ground support. 3,793,752, 2-26-74, Cl. 37-42.00r.
Snyder, Ronald R., to United States of America, Air Force. Cartridge link guide assembly. 3,855,686, 12-24-74, Cl. 29-208.00e.
Snyder, Stephen L.: *See*—
Jungersen, Thoger G.; and Jungersen, Thoger G., Jr., 3,805,336.
Snyder, Stephen L. Riser controls for gliding parachutes. 3,829,045, 8-13-74, Cl. 244-152.000.
Snyderman, Joseph, to Eppler, John, Machine Works, Inc. Spiral tube winding machine. 3,793,929, 2-26-74, Cl. 93-80.000.
Snyders, Nicolaas Johannes Cornelius: *See*—
Stoltz, Andries Johannes; Snyders, Nicolaas Johannes Cornelius; and Pickard, Elin, 3,842,512.
Soag Machinery Ltd.: *See*—
Bloomfield, Francis Richard; and Cooper, Gordon Davis, 3,823,760.
Soakup, Robert J.: *See*—
Parliment, Thomas H.; Epstein, Martin P.; Clinton, William P.; Scarpellino, Richard; and Soakup, Robert J., 3,824,321.
Soames, Michael Richard, to Image Analysing Computers Limited. Field illumination for image analysis. 3,835,247, 9-10-74, Cl. 178-7.200.

Soana, Renzo, to S.p.A. Luigi Franchi. Arrangement for pre-selecting the sequence of firing of a double-barrelled gun having a single trigger. 3,786,588, 1-22-74, Cl. 42-42.00r.
Soardo, Paolo; and Pasta, Mario, to Istituto Elettrotecnico Nazionale Galileo Ferraris. Digital display optical pyrometer. 3,849,000, 11-19-74, Cl. 356-45.000.
Soares, Edward W., Jr., to Gulf & Western Precision Engineering Company. Method of forming workpieces by abrading. 3,811,234, 5-21-74, Cl. 51-323.000.
Sobajima, Masaru; and Kato, Jinichi, to Nippon Kogaku K.K. Measurement microscope. 3,846,008, 11-5-74, Cl. 350-10.000.
Sobajima, Shigenobu; Takagi, Norio; and Chiba, Kiyoshi, to Teijin Limited. Process for producing plastic articles having transparent electroconductive coatings. 3,847,659, 11-12-74, Cl. 117-211.000.
Sobel, Jack: *See*—
Turner, Robert A., 3,856,941.
Sobel, Jay E.: *See*—
Hayes, John C.; and Sobel, Jay E., 3,814,782.
Sobel, Jay E., to Universal Oil Products Company. Butenes isomerization, separation and alkylation. 3,800,003, 3-26-74, Cl. 260-683.490.
Sobel, Jay E., to Universal Oil Products Company. Butene separation and alkylation. 3,810,955, 5-14-74, Cl. 260-683.490.
Sobel, Jay E., to Universal Oil Products Company. Mat of inorganic oxide fibers, its method of preparation and its impregnation with catalytic materials. 3,843,561, 10-22-74, Cl. 252-465.000.
Sobel, Jay E., to Universal Oil Products Company. Alkylation process with fluorination step utilizing recycled HF catalyst. 3,845,158, 10-29-74, Cl. 260-683.490.
Sobel, Johannes; Nittel, Fritz; Pelz, Willibald; and Himmelmann, Wolfgang, to Agfa-Gevaert Aktiengesellschaft. Photographic layers which contain UV-absorbers. 3,794,493, 2-26-74, Cl. 96-84.00r.
Sobel, Leonard H., to Collision Devices, Inc. Deformable shock absorbing guard. 3,784,182, 1-8-74, Cl. 267-140.000.
Sobel, Robert. Flexible hinge assembly. 3,843,996, 10-29-74, Cl. 16-150.000.
Sobel, Sydney Murray, to OSF Industries, Limited. Floor area divider. 3,788,378, 1-29-74, Cl. 160-135.000.
Sober, John V., to United States of America, Air Force. Pulse press tester. 3,842,665, 10-22-74, Cl. 73-93.000.
Sobey, Albert J.; McQueen, Norman; and Larsen, Robert R., to Otis Elevator Company. Vehicle body construction. 3,856,106, 12-24-74, Cl. 180-116.000.
Sobieniak, Mathew G.: *See*—
Burr, John W.; Fricke, Hans D.; and Sobieniak, Mathew G., 3,812,671.
Sobieski, John C.: *See*—
Baldrige, John, Jr.; and Sobieski, John C., 3,816,054.
Soboleski, Adam: *See*—
Barron, Joseph E.; Soboleski, Adam; and McIntire, William S., 3,792,996.
Sobolev, Igor; and Woycheshin, Elias A., to Kaiser Aluminum & Chemical Corporation. Modified alumina hydrate flame retardant filler for polypropylene. 3,826,775, 7-30-74, Cl. 260-42.450.
Sobolev, Igor; and Panusch, Erwin, to Kaiser Aluminum & Chemical Corporation. Process for fluorinating chloroalkanes and fluorinating composition therefor. 3,843,546, 10-22-74, Cl. 252-182.000.
Sobolev, Jury Vasilievich: *See*—
Paton, Boris Evgenievich; Medovar, Boris Izrailevich; Andreev, Vladimir Prokhorovich; Boiko, Georgy Alexandrovich; Emelyanenko, July Georgievich; Sobolev, Jury Vasilievich; Shavrin, Adolf Ivanovich; Dolbenko, Evgeny Tikhonovich; Chernykh, Viktor Vasilievic; and Dykan, Vitaly Grigorievich, 3,823,242.
Sobolev, Valerian Mikhailovich: *See*—
Gurvich, Yakov Abramovich; Grinberg, Alexandr Afroimovich; Styskin, Evgeny Lvovich; Kumok, Simona Tevievna; Sobolev, Valerian Mikhailovich; Sorokin, Eduard Sergeevich; Shelkova, Irina Sergeevna; Liakumovich, Alexandr Grigorievich; Michurov, Jury Ivanovich;and Rutman, Grigory Iosifovich, 3,845,142.
Sobon, Leon E.: *See*—
Buchanan, Robert A.; Alves, Ronald V.; Maple, T. Grant; and Sobon, Leon E., 3,825,436.
Sobota, Herbert, to Siepmann-Werke KG. Mesh fabric mountable on a vehicle tire. 3,802,477, 4-9-74, Cl. 152-231.000.
Sobotta, Reinhard, to Rollei-Werke Francke & Heidecke. Slide projector for ring magazines. 3,790,269, 2-5-74, Cl. 353-117.000.
Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Feeding mechanism for slide magazines of picture projectors. 3,825,334, 7-23-74, Cl. 353-103.000.
Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Slide projector magazine positioning means. 3,841,749, 10-15-74, Cl. 353-117.000.
Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Integrally molded circular tray for photographic slides. 3,843,247, 10-22-74, Cl. 353-117.000.
Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Dual photographic slide projector. 3,847,472, 11-12-74, Cl. 353-94.000.
Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Slide projector with variable timing means for slide change. 3,847,473, 11-12-74, Cl. 353-114.000.
Sobrefina S.A.: *See*—
Rausing, Hans Anders, 3,848,760.
Sobrevin Societe de Brevets Industriels Etablissement: *See*—
Vischiani, Giuseppe; and Sarfati, Alberto Gustavo, 3,791,598.
Sobrinho, Leonardo Pricoli. Air shock wave generator for any frequency. 3,830,193, 8-20-74, Cl. 116-137.00a.
Sobukawa, Masukuni: *See*—
Yoshino, Takachika; Saito, Shigeru; Sobukawa, Masukuni; Nagase, Isao; Niikura, Masao; Ishikura, Jun; and Sasaki, Yutaka, 3,784,560.
Soc, Aza di Pirovano & C.S. A.S.: *See*—
Pirovano, Camillo, 3,850,349.
Soc. S. A. M. E. R.: *See*—
Olivett, Alessandro, 3,782,005.
Soceite Anonyme dite: Societe Francaise des Petroles B.P.: *See*—
Pladys, Nestor, 3,782,124.
Soceite Anonyme pour Tous Apparcielages Mecaniques S.A.: *See*—
Huvey, Michel; and Le Meur, Germain, 3,790,418.
Sochaczewer, Eliahou: *See*—
Alkalay, Esther; and Sochaczewer, Eliahou, 3,830,692.
Social Dynamics Inc.: *See*—
Ford, Sanders, Jr., 3,847,565.
Socibre: *See*—
Wermuth, Camille Georges; Cahn, Jean; and Rottenberg, Eugene, 3,793,458.
Sociedade de Representacoes Santos Guimaraes & Oliverira, S.A.R.L.: *See*—
Oliveira, Alvaro Manoel Noya Dias, 3,807,545.
Societa Accomondita Simplice Saldatrice Rotative Antomatiche de Georgio Bitti & Co.: *See*—
Marzocchi, Franco, 3,805,479.
Societa' Angelo Guala di Piergiacomo e Roberto Guala & C.S.A.S.: *See*—
Guala, Piergiacomo, 3,815,770.
Societa' Applicazioni Gomma Antivibranti "Saga" S.p.A.: *See*—
Morini, Emilio, 3,788,260.
Tavella, Corrado, 3,808,083.
Societa Farmaceutici Italia: *See*—
Arcamone, Federico; Franceschi, Giovanni; and Penco, Sergio, 3,803,124.
Bernardi, Luigi; De Castiglione, Roberto; Fregnan, Gian Carlo; and Goffredo, Onofrio, 3,792,032.
Bernardi, Luigi; Patelli, Bianca; and Temperilli, Aldemio, 3,814,765.
Franceschi, Giovanni; and Grein, Arpad, 3,822,352.
Societa' Farmaceutici Italia S.p.A.: *See*—
Cotta, Ernesto; Julita, Piera; and Sanfilippo, Aurora, 3,853,991.
Societa Generale Semiconduttori S.p.A.: *See*—
Bondini, Arnaldo; and Murari, Bruno, 3,792,316.
Societa' Italiana per Azioni per la Produzione di Calci e Cementi di Segni: *See*—
Rio, Arturo; Cerrone, Marcello; and Saini, Alberto, 3,826,680.
Societa' Italiana Resine S.I.R. S.p.A.: *See*—
Ackerman, Jacob; and Radici, Pierino, 3,843,643.
Bertoline, Natale; Calcagno, Benedetto; and Ghirga, Marcello, 3,801,665.
Cocuzza, Giacchino; and Calcagno, Benedetto, 3,856,484.
Cocuzza, Gioacchino, 3,849,262.
Colombo, Paolo; and Galliverti, Marco, 3,835,065.
Craveri, Renato; Manachini, Luigi; and Aragozzini, Fabrizio, 3,813,319.
Di Fiore, Lucio; and Quarta, Sergio, 3,807,139.
Di Fiore, Lucio; and Calcagno, Benedetto, 3,846,334.
DiFiore, Lucio; and Calcagno, Benedetto, 3,823,197.
Forni, Lucio; and Invernizzi, Renzo, 3,853,786.
Ligorati, Ferdinando; Colombo, Paolo; and Galliverti, Marco, 3,840,470.
Messina, Giuseppe; Lorenzoni, Loreno; and Bertolini, Natale, 3,856,878.
Piccolo, Luigi; Calcagno, Benedetto; and Ghirga, Marcello, 3,811,908.
Piccolo, Luigi; Ghirga, Marcello; and Calcagno, Benedetto, 3,812,241.
Vargiu, Silvio; Giovanni, Sesto S.; and Pitzalis, Mario, 3,825,522.
Vargiu, Silvio; Giovanni, Sesto S.; Mazzoleni, Giorgio; and Nistri, Ugo, 3,842,039.
Societa' Italiana S.I.R. S.p.A.: *See*—
Ackermann, Jacob; and Radici, Pierino, 3,786,026.
Ackermann, Jacob; and Radici, Pierino, 3,819,573.
Barilli, Filippo; Cozza, Giorgio; and Bareggi, Vittorio, 3,812,242.
Calcagno, Benedetto; and Colombo, Paolo, 3,843,619.
Canavesi, Roberto; Aglietti, Giancarlo; and Calcagno, Benedetto, 3,804,777.
Mancini, Corrado; and Gaspari, Raffaele, 3,806,499.

Montanari, Fernando; Calcagno, Benedetto; and Conti, Luciano, 3,839,466.
Paleologo, Teo; and Nistri, Ugo, 3,806,556.
Piccolo, Luigi; Calcagno, Benedetto; and Ghirga, Marcello, 3,787,556.
Reni, Cesare; Lugo, Luigi; and Gualdi, Giorgio, 3,816,554.
Reni, Cesare; Lugo, Luigi; and Gualdi, Giorgio, 3,836,588.
Vargiu, Silvio; Giovanni, Sesto S.; Passalenti, Beprino; and Nistri, Ugo, 3,795,717.
Vargiu, Silvio; Mazzoleni, Giorgio; and Nistri, Ugo, 3,830,783.
Societa Italiana Superior S.r.L.: *See*—
Fauser, Hans, 3,791,370.
Societa Italiana Telecomunicazioni Siemens S.p.A.: *See*—
Candiani, Giampiero, 3,789,392.
Candiani, Giampiero, 3,798,635.
Cavalieri d'Oro, Enzo; and Salari, Luciano, 3,821,741.
Costa, Gianmario; Monti, Giancarlo; Poretti, Isidoro; and Bagnoli, Alvaro, 3,804,990.
Costa, Gianmario; Monti, Giancarlo; Poretti, Isidoro; and Bagnoli, Alvaro, 3,811,013.
De Marco, Franco; and Manghi, Carlo A., 3,828,141.
Lamartina, Alfonso; Cicognani, Enrico; Caldarella, Riccardo; and Antonini, Athos, 3,819,869.
Lovadina, Armando; and Morelli, Franco, 3,836,856.
Marchetti, Gianfranco; and Tronconi, Alterto, 3,796,894.
Marini, Roberto, 3,818,306.
Montefusco, Nicola; and Manca, Marcello, 3,843,943.
Mosca, Virgilio, 3,808,460.
Mosca, Virgilio; and Solarino, Carmelo, 3,843,835.
Perna, Aldo; and Valbonesi, Giuseppe, 3,828,136.
Piacente, Luigi; and Gandolfi, Giovanni, 3,798,381.
Sarati, Luigi; and Intini, Vincenzo, 3,808,537.
Societa' per La Strada Guidata S.r.l.: *See*—
Pevararo, Cesare, 3,826,197.
Peveraro, Cesare, 3,855,938.
Societe a Responsabilite Limitee dite: Filtres Siebec: *See*—
Villette, Guy J., 3,833,152.
Societe a Responsabilite Limitee dite: Institut de Recherches Chimiques ET Biologiques Appliquees, I.R.C.E.B.A.: *See*—
Debat, Jacques, 3,855,317.
Societe a Responsabilite Limitee dite: MAR-PHA Societe d'Etudes d'Exploitation de Marques: *See*—
Mardiguian, Jean; and Fournier, Pierre, 3,786,060.
Societe a Responsabilite Limitee dite: MAR-PHA Societe d'Etudes et d'Exploitation de Marques: *See*—
Mardiguian, Jean; and Fournier, Pierre, 3,833,671.
Societe a Responsabilite Limitee dite: Societe d'Etude et d'Exploitation de Marques Mar-Pha: *See*—
Mardiguian, Jean; and Fournier, Pierre, 3,835,112.
Societe Airborne S.A.: *See*—
Bernard, Charles, 3,829,913.
Societe Alexandre: *See*—
Saurano, Marina, 3,828,105.
Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique (Alcatel): *See*—
De Bergh, Guy; and Fontaine, Jean, 3,849,716.
Societe Alsacienne de Constructions Mecaniques de Mulhouse: *See*—
Gerard, Stierlein, 3,809,009.
Jullard, Yves, 3,831,637.
Le Chatelier, Jacques, 3,798,887.
Societe Anonyme: *See*—
Coeurderoy, Yves G., 3,814,471.
Gautier, Joel P., 3,782,572.
Vialle, Michel; and Turpin, Michel (said Vialle and said Turpin assors. to said), 3,826,681.
Societe Anonyme Aerazur Constructions Aeronautiques: *See*—
Bernard, Jean Paul, 3,787,067.
Societe Anonyme Alpha-Bebe Sante: *See*—
Seunevel, Thierry Bernard, 3,796,337.
Societe Anonyme Antar-Petroles de L'Atlantique: *See*—
Patouillet, Jean, 3,785,953.
Societe Anonyme Automobiles Citroen: *See*—
Cadiou, Jean Georges, 3,791,475.
Cadiou, Jean Georges, 3,794,847.
Cadiou, Jean Georges, 3,813,151.
Durin, Michel, 3,834,236.
Durin, Michel, 3,840,440.
Fleury, Jacques, 3,802,453.
Grosseau, Albert, 3,802,404.
Grosseau, Albert, 3,802,460.
Grosseau, Albert, 3,805,635.
Grosseau, Albert, 3,814,928.
Grosseau, Albert, 3,824,878.
Grosseau, Albert, 3,831,966.
Grosseau, Albert, 3,837,712.
Grosseau, Albert, 3,848,934.
Grosseau, Albert, 3,851,722.
Grosseau, Albert, 3,851,912.
Grosseau, Albert, 3,851,929.
Grosseau, Albert, 3,851,930.
Societe Anonyme Centre Europeen de Recherches Mauvernay: *See*—
Mauvernay, Roland Yves; Busch, Norbert; Monteil, Andre; Simond, Jacques; and Moleyre, Jacques, 3,857,848.
Societe Anonyme D.B.A.: *See*—
Bourgoin, Guy, 3,832,012.
Carre, Jean-Jacques, 3,805,671.
Carre, Jean-Jacques, 3,811,738.
Carre, Jean-Jacques, 3,831,494.
Carre, Jean-Jacques, 3,855,905.
Hamelin, Gilbert, 3,838,891.
Le Marchand, Alain, 3,800,539.
Le Marchand, Alain, 3,811,472.
Le Marchand, Claude, 3,782,251.
Lefevre, Jean-Pierre; and Vermillet, Bernard, 3,839,643.
Mangold, James, 3,856,364.
Marouby, Guy, 3,782,784.
Marouby, Guy, 3,795,425.
Marouby, Guy, 3,819,237.
Marouby, Guy, 3,832,011.
Morin, Gerard, 3,831,400.
Papiau, Guy, 3,800,540.
Papiau, Guy, 3,825,706.
Remillieux, Paul, 3,838,571.
Remillieux, Paul, 3,838,572.
Schoenhenz, Daniel, 3,805,925.
Schoenhenz, Daniel, 3,838,754.
Tanguy, Christian, 3,785,393.
Toulier, Pierre, 3,814,223.
Toulier, Pierre, 3,820,406.
Tourneur, Roger, 3,848,709.
Societe anonyme de la fabrique d'horlogerie Le Coultre & Cie: *See*—
Challandes, Claude, 3,817,110.
Societe Anonyme de Recherches de Mecanique Appliquee: *See*—
Adelmann, Robert Witsenhausen, 3,825,276.
Societe Anonyme de Telecommunications: *See*—
Ameurlaine, Jacques Francois; and Cohen-Solal, Gerard David, 3,845,494.
Baillet, Gerard Eugene; and Chabonat, Andre Marcel, 3,858,002.
Boutmy, Patrick E.; Le Fort, Gilbert J.; and Betoule, Daniel J. M., 3,818,360.
Roger, Jacques, 3,793,082.
Societe Anonyme de Traverses en Beton Arme Systeme Vagneux: *See*—
Serafin, Marian; and Decubber, Maurice, 3,784,098.
Societe Anonyme de Vehicules Industriels et d'Equipements Mecaniques Saviem: *See*—
Brille, Maurice G., 3,795,231.
Brille, Maurice G.; and Baguelin, Yves E., 3,797,562.
Societe Anonyme D.E.A.: *See*—
Papiau, Guy, 3,855,797.
Societe Anonyme des Anciench Etablissements Wurth, Paul: *See*—
Mahr, Rene, 3,799,369.
Societe Anonyme des Establissements Neu: *See*—
Ueu, Henri, 3,829,934.
Societe Anonyme des Etablissements Roure Bertrand Fils & Justin Dukent: *See*—
Teisseire, Paul Jose; and Auger, Bernard, 3,786,075.
Societe Anonyme des Forges de Bologne: *See*—
Portal, Pierre, 3,800,475.
Societe Anonyme des Usines Chausson: *See*—
Chartet, Andre, 3,783,938.
Chartet, Andre, 3,793,701.
Chartet, Andre, 3,823,464.
Chartet, Andre, 3,852,873.
Chartet, Andre, 3,855,682.
Chartet, Andre, 3,857,164.
Plegat, Alain Edouard, 3,803,966.
Plegat, Alain Edouard, 3,805,654.
Plegat, Alain Edouard, 3,808,861.
Plegat, Alain Edouard, 3,808,923.
Plegat, Alain Edouard, 3,808,928.
Plegat, Alain Edouard, 3,857,595.
Societe Anonyme des Usines de Callenelle en abrege Saluc: *See*—
Delmotte, Roger Edmond, 3,825,646.
Societe Anonyme dite Compagnie Francaise de Raffinage: *See*—
Siard, Michel; and Pellerin, Daniel, 3,806,318.
Societe Anonyme dite "ETUD": *See*—
Marrie, Paul, 3,827,640.
Societe Anonyme dite; Societelorraine de Laminage Continu: *See*—
Chantereau, Robert, 3,831,761.
Societe Anonyme dite: Aquitaine Total Organico Tour Aquitaine: *See*—
Bruant, Philippe, 3,826,785.
Fassy, Henri; Lalet, Philippe; and Miletto, Andre, 3,804,814.
Hebert, Remy, 3,799,912.
Kern, Rene; Poulain, Claude; and Tock, Francois, 3,825,532.
Morival, Genevieve; and Hebert, Remy, 3,823,105.

Morival, Genevieve, 3,846,357.
Societe Anonyme dite: Compagnie Francaise de Raffinage: *See—*
Kennel, Michael; and Quiquerez, Joseph, 3,832,200.
Societe Anonyme dite: Hexachimie: *See—*
Cognacq, Jean-Claude, 3,846,436.
Societe Anonyme dite: Innovations pour l'Elegance Masculin: *See—*
Belpaume, Charles H., 3,813,697.
Societe Anonyme dite: Laboratoire L. Lafon: *See—*
Lafon, Victor, 3,793,318.
Societe Anonyme dite: L'Oreal: *See—*
Bore, Pierre, 3,803,138.
Bouillon, Claude; Dufaure, Pierre; and Rosenbaum, Georges, 3,819,671.
Bugaut, Andree; and Estradier, Francoise, 3,817,995.
Bugaut, Andree; and Laudon, Monique, 3,824,074.
Handjani, Rose-Marie, nee Vila; and Zabotto, Arlette, nee Arribau, 3,846,556.
Kalopissis, Gregoire; Bouillon, Claude; Manoussos, Georges; and Berrebi, Claudine, 3,784,685.
Kalopissis, Gregoire; Bugaut, Andree; and Estradier, Francoise, 3,792,090.
Kalopissis, Gregoire, 3,797,994.
Kalopissis, Gregoire; Bugaut, Andree; and Gaston-Breton, Hubert, 3,817,698.
Kalopissis, Gregoire; Bugaut, Andree; and Estradier, Francois, 3,817,699.
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Kalopissis, Gregoire; Bugaut, Andree; and Estradier, Francoise, 3,838,965.
Kalopissis, Gregoire, 3,849,547.
Kalopissis, Gregoire, 3,849,576.
Kalopissis, Gregoire; Bugaut, Andree; and Estradier, Francoise, 3,853,464.
Kalopissis, Gregoire; and Bugaut, Andree, 3,856,810.
Kalopissis, Gregorie; and Vanlerberghe, Paris Guy, 3,824,294.
Lachampt, Felix; Viout, Andre; and Vanlerberghe, Guy, 3,846,546.
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Soderberg, Rolf Harald; and Helmer, Clas Erik, to Sandvik Aktiebolag. Nickel-chromium iron alloy. 3,826,649, 7-30-74, Cl. 75-124.000.
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Soejima, Kazuo; Sugahara, Takeshi; Fukuda, Kazuo; and Hashimura, Kazuya, to Nippon Oils and Fats Company Limited. Tubular composite welding wire filled with potassium compounds containing flux. 3,805,016, 4-16-74, Cl. 219-146.000.
Soejima, Shigeo; Ohmura, Akira; and Watanabe, Koichiro, to NGK Insulators, Ltd. Glasslined product and a process for glasslining. 3,829,326, 8-13-74, Cl. 117-70.00b.
Soejima, Shigeo; and Irokawa, Hideo, to NGK Insulators, Ltd. Method for producing manganese-zinc ferrite. 3,836,472, 9-17-74, Cl. 252-62.570.
Soelberg, R. Keith, to Gore, W. L., & Associates, Inc. Easily strippable ribbon cables. 3,833,755, 9-3-74, Cl. 174-117.00f.
Soeller, Richard, to Tektronix, Inc. Machine for shearing and stripping cable insulation. 3,817,127, 6-18-74, Cl. 81-9.510.
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Sofianek, Joseph C., to General Electric Company. Method of detecting a leak in a vacuum interrupter located inside a housing containing pressurized gas. 3,814,885, 6-4-74, Cl. 200-144.00b.
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Sohma, Akio, to Hitachi, Ltd. Turbine rotor cooling mechanism. 3,817,654, 6-18-74, Cl. 415-103.000.
Sohn, David. TLC method and device for detecting the presence of target substances in unknown solutions. 3,832,134, 8-27-74, Cl. 23-230.00b.
Sohn, Fred; Hunter, Larry C.; and Holmes, James Frederick, to Sun Studs, Inc. Method and apparatus for determining the surface configuration of elongate objects, particularly logs. 3,852,579, 12-3-74, Cl. 235-151.300.

Sohn, Jesse S.; and Gunther, Louis A., to Curtiss-Wright Corporation. Method of welding a tube to a tube sheet. 3,824,663, 7-23-74, Cl. 29-157.400.
Sohnchen, Ernst; and Feldmann, Ernst, to Vaillant, Joh., K.G. Solenoid assembly and thermoelectric flame failure device. 3,821,675, 6-28-74, Cl. 335-281.000.
Sohnemann, Richard, to Continental Gummi-Werke Aktiengesellschaft. Printing blanket, especially for offset printing. 3,819,471, 6-25-74, Cl. 161-162.000.
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Sokol, Gunter; and Kleebaru, Karl, to Bosch, Robert, G.m.b.H. Constructions in AC generators. 3,831,047, 8-20-74, Cl. 310-68.000.
Sokol, Kurt Rudolf Franz. Apparatus for measuring blood pressure with corresponding cuff section and indication ranges. 3,812,844, 5-28-74, Cl. 128-2.05g.
Sokol, Michael; and Kent, Frederick M., to Bio/Data Corporation. Apparatus for detecting a change in turbidity of a solution. 3,847,482, 11-12-74, Cl. 356-40.000.
Sokol, Phillip Edward; and Tsai, Hu-Chu, to Gillette Company, The. Dyeing hair with nitro-substituted phenylene compounds. 3,836,326, 9-17-74, Cl. 8-10.100.
Sokol, Vincent G. Disposable dilution system. 3,811,326, 5-21-74, Cl. 73-425.40p.
Sokoloff, Boris Alexandre. Electronic control unit for the linking of symmetrical closed chains of words in a random-access memory. 3,821,708, 6-28-74, Cl. 340-172.500.
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Sokolov, Leonid Pavlovich: *See—*
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Sokolov, Veniamin Prokofievich: *See—*
Kainson, Anatoly Yakovlevich; Razygraev, Jury Sergeevich; Sorokin, Nikolai Elizarovich; Dobrokhotov, Sergei Alexandrovich; Sokolov, Veniamin Prokofievich; Zaitsev, Nikolai Ivanovich; Zandman, Boris Genikhovich; Telyatnikov, Boris Peisakhovich; Kholin, Nikoai Dmitrievich; and Ryazanov, Alexei Nikolaevich, 3,815,525.
Sokolow, Nickolas N., to Plasti-Mac, Inc., mesne. Parison cutoff and sealing apparatus. 3,837,248, 9-24-74, Cl. 83-375.000.
Sokolow, Nickolas N., to Beloit Corporation. Method and apparatus for forming continuous thermoplastic pipe having corrugated segments. 3,844,700, 10-29-74, Cl. 425-326.00r.
Sokolowski, Peter F., to Westinghouse Electric Corporation. Formed vane elements for liquid-vapor separators. 3,805,496, 4-23-74, Cl. 55-440.000.
Sokolowski, Peter F., to Westinghouse Electric Corporation. Flow restrictor for an evaporator. 3,841,270, 10-15-74, Cl. 122-7.00r.
Sokolski, Michael: *See—*
Oberg, Gary R.; and Sokolski, Michael, 3,808,406.
Sokolski, Michael; and Poole, Thomas J., to Scan-Tron Corporation, mesne. Test scoring apparatus. 3,800,439, 4-2-74, Cl. 35-48.00b.
Sol, Jack. Apparatus and method for manufacturing weld nuts. 3,786,528, 1-22-74, Cl. 10-76.00r.
Sola Basic Industries, Inc.: *See—*
Vander Ploog, Cornelius J.; Henry, Arnold W.; and Connolly, Franklin J., 3,852,516.
Vantine, Lynn R., 3,818,167.
Wentworth, Hobart L., 3,817,712.
Wentworth, Hobart L.; and Seelandt, Karl H., 3,841,240.
Wentworth, Hobert L., 3,850,318.
Werych, Ewald R., 3,804,967.
Sola, Manuel Mamerto. Shaping head for plastic molding machines. 3,854,859, 12-17-74, Cl. 425-466.000.
Solar, Serge: *See—*
Gandon, Louis; and Solar, Serge, 3,846,117.
Solari & C/Udine S.p.A.: *See—*
Solari, Fermo, 3,811,019.
Solari, Fermo, to Solari & C/Udine S.p.A. Rotary-drum programming timer device. 3,811,019, 5-14-74, Cl. 200-38.0ca.
Solarino, Carmelo: *See—*
Mosca, Virgilio; and Solarino, Carmelo, 3,843,835.
Solaroli, Sergio, to Finike Italiana Marposs-Soc, In accomandita Semplice di Mario Possati & C. Device for transport and gauging of mechanical pieces particularly used on automatic measuring machines. 3,834,532, 9-10-74, Cl. 209-82.000.
Solartron Electronic Group Limited, The: *See—*
Ashford, David William, 3,847,396.
Catherall, Reginald; and Knowles, Susan, 3,789,203.
Dorey, Howard Anthony, 3,794,930.
Dorey, Howard Anthony, 3,796,880.
Jackson, Barrie, 3,808,526.
Ley, Anthony John; and Dorey, Howard Anthony, 3,845,388.
Metcalf, Eric; and Dorey, Howard Anthony, 3,792,352.
Parmenter, George Shearer, 3,812,439.
Skinner, Michael John, 3,803,507.
Solbeck, Erik. Extrusion apparatus. 3,849,051, 11-19-74, Cl. 425-376.000.
Solbeck, Erik. Machine for producing non-woven nettings. 3,855,036, 12-17-74, Cl. 156-426.000.
Solberg, Olav: *See—*
Bognaes, Ragnar; and Solberg, Olav, 3,828,709.
Solberg, Per: *See—*
Onarheim, Thor; and Solberg, Per, 3,800,865.
Solco Basel AG: *See—*
Buchmann, Paul; and Beringer, Monique, 3,788,471.
Buchner, Stanisulaus; and Fischer, Dragica, 3,855,201.
Von Castelmur, Hans, 3,824,251.
Solda, Robert B.: *See—*
Sterman, Albert P.; Solda, Robert B.; and Auxier, Thomas A., 3,844,678.
Soldan, Gerd. Lauter tub and method. 3,782,551, 1-1-74, Cl. 210-179.000.
Soldati, Gianluigi; and Smith, Allen E., to Uniroyal, Inc. 3-nitropropionic acid derivatives. 3,786,092, 1-15-74, Cl. 260-561.00r.
Soldatov, Nikolai Konstantinovich: *See—*
Leonov, Oleg Borisovich; Arapov, Viktor Viktorovich; Pavljukov, Vladimir Grigorievich; Oblasti, Zhukovsky Moskovskoi; Patrakhaltsev, Nikolai Nikolaevich; Manuilov, Nikolai Nikolaevich; and Soldatov, Nikolai Konstantinovich, 3,818,882.
Solder Removal Company: *See—*
Einarson, Norman S., 3,797,092.
Soldner, Richard; and Naefe, Gerhard, to Siemens Aktiengesellschaft. Ultrasound doppler applicator. 3,824,988, 7-23-74, Cl. 128-2.00v.
Solenberger, John Carl, to Du Pont de Nemours, E. I., and Company. Stabilized acidic hydrogen peroxide solutions. 3,801,512, 4-2-74, Cl. 252-186.000.
Solender, Peter E., to Sylvania Electric Products Inc. Analog to digital converter with variable quantization and dynamic range. 3,855,589, 12-17-74, Cl. 340-347.0ad.
Soleri, Richard A. Shoe with flexible height adjustment sole and assorted heights interchangeable heels. 3,797,136, 3-19-74, Cl. 36-42.000.
Soletanche, Societe Anonyme: *See—*
Caron, Claude; and Hurtado, Jean, 3,820,344.
Solheim, Karsten. Gold club indicia. 3,845,955, 11-5-74, Cl. 273-77.00a.
Solid State Technology Inc.: *See—*
Willis, John George, 3,794,852.
Willis, John George, 3,818,467.

Willis, John George, 3,827,038.

Solidyne, Inc.: *See—*
Rothstein, Milton; Kaplan, Martin; and Barton, Lloyd, 3,829,341.

Solie, Leland P., to Sperry Rand Corporation. Acoustic surface wave convolver with bidirectional amplification. 3,833,867, 9-3-74, Cl. 333-30.00r.

Soligny, Marcel Robert; Bouiller, Jean Georges; and Menoiux, Claude Charles Felix, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Variable-geometry nozzles for jet propulsion engines. 3,807,639, 4-30-74, Cl. 239-265.190.

Soligny, Marcel Robert; and Bouiller, Jean Georges, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Gas ducted fan engines. 3,824,785, 7-23-74, Cl. 60-226.00a.

Soliichuk, Kornei Denisovich: *See—*
Pilat, Izrail Moiseevich; Samoilovich, Anatoly Grigorievich; Soliichuk, Kornei Denisovich; and Osipov, Eduard Vaganovich, 3,785,875.

Soliman, Frank Yassin, to Allied Chemical Corporation. Silica-filled, high molecular weight polyolefin. 3,788,923, 1-29-74, Cl. 156-244.000.

Soliman, Georges; and Personnaz, Leon Felix, to Societe Industrielle Honeywell Bull (Societe Anonyme). Read-head for an optical character-recognition system. 3,812,460, 5-21-74, Cl. 340-146.3ma.

Soliman, Mustafa: *See—*
Huttenbrauck, Herbert; Poklekowski, Helmut; and Soliman, Mustafa, 3,841,706.
Huttenbrauck, Herbert; Ostrop, Berthold; Soliman, Mustafa; and Polkekowski, Helmut, 3,847,438.

Solin, Stuart A.; and Doehler, Joseph, to United States of America, Atomic Energy Commission. Recirculating liquid-nitrogen-coolant system for solid-state lasers. 3,851,274, 11-26-74, Cl. 331-94.50p.

Solite Corporation: *See—*
Holm, Thomas A.; and Childress, Lester K., 3,792,608.

Solitech, Inc.: *See—*
Gregory, Robert O., 3,842,243.

Solitron Devices, Inc.: *See—*
Adams, Guy; and Defilippis, Joseph, 3,853,108.
Adams, Guy, 3,854,465.
Adams, Guy E., 3,828,751.
Friedman, Benjamin; and Adams, Guy E., 3,854,119.
Nordstrom, Donald B.; and Napierkowski, Peter, 3,821,615.
Perkins, Carroll R.; and Lucks, Irwin A., 3,784,725.

Soll, Wilhelm. Feeding device for a roller drier or the like. 3,799,252, 3-26-74, Cl. 165-91.000.

Soll, Wolfgang: *See—*
Glockler, Otto; Eichler, Dieter; Gansert, Willi; Schulzke, Peter; Singer, Erich; Soll, Wolfgang; and Eisele, Hermann, 3,807,376.
Scholl, Hermann; Mauch, Harald; Rittmannsberger, Norbert; and Soll, Wolfgang, 3,782,339.

Sollami, Blase J.; Bulat, Thomas J.; and Dray, Walter L., to Bendix Corporation, The. Cryogenic surgical instrument. 3,800,552, 4-2-74, Cl. 62-293.000.

Sollerud, Soren, to Sevenska Utvecklingsaktiebolaget. Method for cleaning surfaces. 3,853,621, 12-10-74, Cl. 134-21.000.

Sollerud, Soren Elof Mauritz, to Maskin AB Selco. Apparatus for making food units. 3,782,270, 1-1-74, Cl. 99-450.400.

Sollerud, Soren Elof Mauritz. Process of manufacturing open or closed packagings of foam plastics, preferably foam polystyrene. 3,799,820, 3-26-74, Cl. 156-69.000.

Sollima, Vincent: *See—*
Langer, Helmut; and Sollima, Vincent, 3,855,492.

Sollinger, Hans: *See—*
Barnscheidt, Wolfgang; Sollinger, Hans; and Krautzberger, Franz, 3,817,208.

Solmax, Gungor M.: *See—*
Allman, William T.; and Solmax, Gungor M., 3,823,748.

Solodar, Warren E.: *See—*
Mammino, Joseph; Jossel, Franklin; Kohey, James M.; Serio, John P.; Solodar, Warren E.; and Walker, Alan H., 3,804,619.

Solomadina, Elizaveta Andreevna: *See—*
Kheifeis, Georgy Naumovich; Plyatskovsky, Oskar Alexandrovich; Yankovsky, Vladimir Mikhailovich; Akhmedov, Baba Abbas Ogly; Lange, Zelman Iosifovich; Golubev, Jury Vasielevich; Solomadina, Elizaveta Andreevna; Statnikov, Vladimir Mikhailovich; Ibragimov, Irafil Naftali Ogly; Guliev, Tagi Rza Ogly; and Porokhovnikov, Jury Zinovievich, 3,782,160.

Soloman, Nathan L. Hair clasp device. 3,841,340, 10-15-74, Cl. 132-48.00a.

Solomon, Alvin I., to Durable International, Inc. Steam generating and control system. 3,823,497, 7-16-74, Cl. 38-77.600.

Solomon, Archie. Shelf rack. 3,827,376, 8-6-74, Cl. 108-91.000.

Solomon, Arieh, to British & Foreign Tobacco Company Limited. Hinged container. 3,813,025, 5-28-74, Cl. 229-2.500.

Solomon, Arieh. Method for applying pattern to candles. 3,839,119, 10-1-74, Cl. 156-234.000.

Solomon, Carola: *See—*
Podesva, Ctirad; and Solomon, Carola, 3,855,294.

Solomon, David Henry: *See—*
Hodgkin, Jonathan Howard; Hawthorne, David Geoffrey; Swift, Jean Drummond; and Solomon, David Henry, 3,834,923.
Merry, Lorraine Anne; and Solomon, David Henry, 3,829,564.
Swift, Jean Drummond; Hawthorne, David Geoffrey; Loft, Bryan Clarence; and Solomon, David Henry, 3,849,149.

Solomon, Georges P. J. Resilient attachment for skis. 3,823,955, 7-16-74, Cl. 280-11.35t.

Solomon, Gustave, to TRW Inc. Error-correcting decoder for group codes. 3,818,442, 6-18-74, Cl. 340-146.1a1.

Solomon, James E.: *See—*
Russell, Ronald W.; and Solomon, James E., 3,801,923.

Solomon, James E.; and Zias, Arthur R., to National Semiconductor Corporation. Semiconductor pressure transducer employing novel temperature compensation means. 3,836,796, 9-17-74, Cl. 307-310.000.

Solomon, Karl; and Allen, John Ross, to RCA Corporation. Time division multiple access synchronization technique. 3,843,843, 10-22-74, Cl. 179-15.0bs.

Solomon, Leon R.: *See—*
Darboven, Ernest F.; and Solomon, Leon R., 3,794,771.
Goetz, Philip J.; and Solomon, Leon R., 3,789,316.

Solomon, Marwich, H.: *See—*
Ling, Ting H.; Wade, Robert M.; and Solomon, Marwich, H., 3,836,482.

Solomon, Paul W., to Phillips Petroleum Company. Preparation of carbonyl compounds. 3,843,732, 10-22-74, Cl. 260-599.000.

Solomon, Peter R.: *See—*
Smith, David C.; and Solomon, Peter R., 3,836,867.

Solomon, Peter R., to United Aircraft Corporation. Variable coupling DC superconducting transformer. 3,790,880, 2-5-74, Cl. 323-44.00f.

Solomon, Raymond Lewis, 1/2 to Trayler, William J. and Trayler, Lois J. Apparatus for treating noxious effluents. 3,812,793, 5-28-74, Cl. 110-8.00r.

Solomon, William H.; Davies, John R.; and Eorward, Carrel M., to Oliver Machinery Company. Method of applying halide and checking the same. 3,783,058, 1-1-74, Cl. 156-64.000.

Solomon, William H., to Oliver Machinery Company. Packaging apparatus. 3,800,500, 4-2-74, Cl. 53-180.000.

Solomons, Alexander, to Grafton Furniture Manufacturers Limited. Anchors for springs for furniture. 3,841,618, 10-15-74, Cl. 267-110.000.

Solonitsyn, Rem Alexandrovich; Vjukov, Ivan Elizarovich; Gorbachev, Leonid Alexeevich; Belonogov, Anatoly Mikhailovich; Vorobiev, Gennady Afanasievich; and Efimov, Alexandr Vasilievich. Method and apparatus utilizing the effects of cavitation in the treatmnt of fibrous suspensions. 3,834,982, 9-10-74, Cl. 162-1.000.

Solop, Eli, to Phillips Petroleum Company. Extra high molecular weight particle form polyethylene-polyisobutylene blend. 3,821,332, 6-28-74, Cl. 260-897.00a.

Solop, Eli, to Phillips Petroleum Company. Extruder with deckle bar having heating and cooling means. 3,840,318, 10-8-74, Cl. 425-461.000.

Soloshenko, Nina Ivanovna: *See—*
Ovcharenko, Fedor Danilovich; Chugai, Alexei Dmitrievich; Tsantker, Karl Lazarevich; Logvinenko, Dmitry Danilovich; Shelyakov, Oleg Parfirovich; Chechik, Ljudmila Efimovna; Belonozhko, Alla Mikhailovna; Morozko, Ekaterina Alexandrovna; Kuzmina, Ljudmila Niolaevna; Vdovenko, Nadezhda Vasilievna; Vasiliev, Nikolai Grigorievich; and Soloshenko, Nina Ivanovna, 3,829,028.

Soloviev, Igor Nikolaevich: *See—*
Sukhov, Ivan Alexeevich; Sjundjukov, Nikolai Matveevich; and Soloviev, Igor Nikolaevich, 3,823,645.

Solovieva, Nadezhda Konstantinovna: *See—*
Zhdanovich, Jury Vasilievich; Lokshin, Galina Borisovna; Kuzovkov, Alexandr Dmitrievich; Rudaya, Sarra Markovna; and Solovieva, Nadezhda Konstantinovna, 3,821,085.

Soloway, Barry Howard, to Bell Telephone Laboratories, Incorporated. Field effect transistor logic gate with improved noise margins. 3,839,646, 10-1-74, Cl. 307-205.000.

Soloway, Samuel B.: *See—*
Johnson, Elmer R.; Reed, Walter T.; Tieman, Charles H.; and Soloway, Samuel B., 3,830,921.

Solt, Paul E., to Fuller Company. System for conveying solid particulate materials. 3,844,446, 10-29-74, Cl. 222-61.000.

Soltau, John Peter, to Lucas, Joseph, (Industries) Limited. Fuel control arrangement for an internal combustion engine. 3,805,754, 4-23-74, Cl. 123-97.00b.

Solter, Helmut Adolf, to Schat Davits, Limited. Winch mechanism for lowering a lifeboat, launch or the like, suspended from two falls, into the water and hoisting it out of the water. 3,788,606, 1-29-74, Cl. 254-185.000.

Solter, Robert L.; and Hansen, Franklin A., to Continental Disc Corporation. Reverse buckling disc arrangement for direct mounting. 3,834,581, 9-10-74, Cl. 220-89.00a.

Soltesz, Carl R.: *See—*
Brunton, Donald C.; and Soltesz, Carl R., 3,790,796.

Soltez, David Michael, to Rockwell International Corporation. Retail tool switch adaptor with key lock. 3,816,677, 6-11-74, Cl. 200-42.00t.

Soltovets, Galina Nikolaevna: *See—*
Smirnov, Vladimir Alexandrovich; Kulnevich, Vladimir Grigorievich; Soltovets, Galina Nikolaevna; and Semchenko, Dmitry Platonovich, 3,847,952.

Soltys, Michael N., to Tektronix Inc. Storage tube with target having conductive surface exposed through random cracks in dielectric coating. 3,798,477, 3-19-74, Cl. 313-68.00r.

Solum, Dallas H., to Envirotech Corporation. Feed distribution means for vacuum filters. 3,782,555, 1-1-74, Cl. 210-404.000.

Solvay & Cie: *See—*
Bequet, Jean Francois; Dubois, Paul; and Van Asbroeck, Roger, 3,834,853.
Chauffoureaux, Jean, 3,783,011.
Coppens, Guillaume, 3,801,660.
Dassesse, Pierre; and Delwiche, Marius, 3,841,381.
Degueldre, Louis; Gobillon, Yves; Clerbois, Lucien; and Bourgeois, Louis, 3,839,181.
Degueldre, Louis; Killens, Charles; and Bourgeois, Louis, 3,849,282.
Del Piero, Elio, 3,804,573.
Demillecamps, Edmond; and Danguy, Ghislain, 3,826,774.
Denaeyer, Jose Luis; and Kegelart, Willy, 3,844,726.
Duikers, Marcel; and Minsart, Maurice, 3,800,638.
Dumoulin, Joseph; and Obsomer, Marc, 3,789,083.
Forlano, Luigi, 3,848,007.
Giacopelli, Umberto, 3,790,465.
Malfroid, Pierre, 3,817,877.
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Sarot, Pierre; Delattre, Michel; and Decamps, Alain, 3,816,319.
Sluse, Guy; and Joannes, Gustave, 3,837,879.
Stevens, Jacques; and George, Michel, 3,787,384.

Solymos, Frederick: *See—*
Tosato, Lawrence; and Solymos, Frederick, 3,810,529.

Solymos, Frederick, to Westinghouse Electric Corporation. Elevator system. 3,835,959, 9-17-74, Cl. 187-22.000.

Solymos, Frederick, to Westinghouse Electric Corporation. Elevator system. 3,856,117, 12-24-74, Cl. 187-95.000.

Solymosi, Frank. Wheeled board toy assembly. 3,856,321, 12-24-74, Cl. 280-87.040.

Soma, Hisashi, to Mitsui Shipbuilding and Engineering Co., Ltd. Cargo vessel. 3,827,385, 8-6-74, Cl. 114-85.000.

Soma, Ikuo; and Ando, Yujiro, to Canon Kabushiki Kaisha. Developing method for electrophotography. 3,783,352, 1-1-74, Cl. 317-262.00h.

Soma, Shigeo: *See—*
Mizutani, Hirohiko; Morimiya, Osami; and Soma, Shigeo, 3,818,164.

Soma, Shoji; and Sato, Ikuro, to Nippon Electric Company, Limited. Antenna system. 3,845,483, 10-29-74, Cl. 343-761.000.

Soma, Takenobu: *See—*
Asako, Tsunehiko; Soma, Takenobu; Masuya, Hirotomo; Harukawa, Tadatsugu; and Miki, Takuichi, 3,824,237.

Soman, George O.: *See—*
Lawson, Jimmie Brown; Richardson, Edwin A.; and Soman, George O., 3,782,466.

Somani, Pitambar: *See—*
Jones, Peter Hadley; and Somani, Pitambar, 3,840,663.

Somann, Gert: *See—*
Catlos, Peter V.; and Somann, Gert, 3,846,875.

Somasekhara, Shankar; and Desai, Dinesh Maganlal, to Karamchand Premchand Private Limited. Novel-5-nitro furfuraldehyde derivatives and process for their preparation and pharmaceutical compositions containing same. 3,847,912, 11-12-74, Cl. 260-240.00a.

Somasekhara, Shanker; and Upadhyaya, Navinchandra Vasantrai, to Karamchand Premchand Private Limited. 8-Hydroxy quinoline derivatives. 3,857,877, 12-31-74, Cl. 260-283.00s.

Somekawa, Akira: *See—*
Taira, Tetsuro; and Somekawa, Akira, 3,810,408.

Somekh, George S.: *See—*
Cupper, Robert A.; and Somekh, George S., 3,834,166.
Kosseim, Alexander J.; and Somekh, George S., 3,789,077.

Somekh, George S., to Union Carbide Corporation. Working fluids for external combustion engines. 3,841,099, 10-15-74, Cl. 60-671.000.

Somekh, George Solomon: *See—*
Kubek, Daniel John; Kosseim, Alexander Jean-Marie; and Somekh, George Solomon, 3,788,980.

Somekh, Sasson R.: *See—*
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Someno, Kenji: *See—*
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Somers, Ernest A.: *See—*
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Somers, Gerardus Henricus Johannus: *See—*
Gieles, Antonius Cornelis Maria; and Somers, Gerardus Henricus Johannus, 3,798,967.

Somers, S. Brice L. Flexible tubular conveyor. 3,802,551, 4-9-74, Cl. 198-213.000.

Somers, Stanley Brice Lascelles. Cassette containing two hubs carrying a magnetic tape, for use with recording/reproducing apparatus. 3,828,363, 8-6-74, Cl. 360-60.000.

Somerville, Alvis J.; and Yager, Edwin K., to General Dynamics Corporation. Method and apparatus for surveying the velocities of a flow field. 3,809,480, 5-7-74, Cl. 356-103.000.

Somerville Industries Limited: *See—*
Dagostine, Leslie James, 3,833,164.
Zimmermann, John, 3,840,172.

Somerville, Robert: *See—*
Marquis, Byron; and Somerville, Robert, 3,835,215.

Somerville, Robert L. Potassium phosphate fertilizer process. 3,834,886, 9-10-74, Cl. 71-34.000.

Somet Societa Meccanica Tessile S.p.A.: *See—*
Serturini, Giuseppe, 3,795,261.
Serturini, Giuseppe, 3,814,140.

Someya, Atsushi: *See—*
Sakaguchi, Keiichi; Someya, Atsushi; and Hirata, Noritsugu, 3,810,206.

Someya, Shinzo: *See—*
Shigehara, Itaru; Nishiyama, Ryuzo; Takahashi, Ryohei; Fujikawa, Kanichi; Toki, Tadaaki; Takagi, Hidetoshi; Nasu, Rikuo; Yokomichi, Isao; Kimura, Fumio; and Someya, Shinzo, 3,849,503.

Someya, Taichi: *See—*
Komatsu, Akira; Akutagawa, Susumu; Sakaguchi, Toshiaki; and Someya, Taichi, 3,794,692.
Komatsu, Akira; Akutagawa, Susumu; and Someya, Taichi, 3,801,668.

Someya, Teruo; Kobayashi, Nobuyuki; and Goto, Toshinori, to Nihon Denshi Kabushiki Kaisha. Constant current field emission electron gun. 3,825,839, 7-23-74, Cl. 328-9.000.

Somfai, Eva: *See—*
Huhn, Magda; Toth, Geza; Resofszki, Gabor; Somfai, Eva; and Horvath, Gabor, 3,833,561.
Huhn, Magda; Toth, Geza; Resofszki, Gabor; Somfai, Eva; and Horvath, Gabor, 3,846,407.
Matyas, Jakab; Petroczy, Istvan; Somfai, Eva; and David, Agoston, 3,846,567.

Somip: *See—*
Huteaux, Andre, 3,799,112.

Somlo, Tibor; and Stagi, Mauro, to Ciba-Geigy AG. Process for the manufacture of 1,3-diphenyl-4-methyl-5-alkyl-pyrazolines. 3,836,522, 9-17-74, Cl. 260-239.900.

Somlo, Tibor; Rochat, Alain Claude; and Murphy, James, to Ciba-Geigy AG. Process for the regeneration of phosphorus oxychloride or oxybromide from reaction mixtures. 3,845,194, 10-29-74, Cl. 423-300.000.

Somlyody, Arpad: *See—*
Kuchinsky, Saul; Shesser, Arthur B.; Somlyody, Arpad; and Fehnel, Richard B., 3,849,693.

Sommer, Alfred, to Ceramic Magnetics Inc. Method of making thin film thermistor. 3,831,269, 8-27-74, Cl. 29-612.000.

Sommer, Alfred, to Ceramic Magnetics, Inc. Thin film thermistor. 3,851,291, 11-26-74, Cl. 338-22.00r.

Sommer, Alfred Hermann, to RCA Corporation. Method for making a negative effective-electron-affinity silicon electron emitter. 3,806,372, 4-23-74, Cl. 148-1.500.

Sommer, Alfred W.: *See—*
Rosales, Louis A.; Sommer, Alfred W.; and Ono, Kanju, 3,794,528.

Sommer, Dieter: *See—*
Baer, Jurgen; Sommer, Dieter; and Toplak, Ernst, 3,809,934.

Sommer, Donald W., to Sperry Rand Corporation. Flow meter with bypass. 3,813,940, 6-4-74, Cl. 73-198.000.

Sommer, Edward G., Jr.: *See—*
Cahoe, James R.; and Sommer, Edward G., Jr., 3,806,308.

Sommer, G. M., Co., Inc.: *See—*
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Sommer, Gordon M., 3,834,502.
Sommer, Gordon M.; Williams, Alfred C.; and Carlson, Donald C., 3,851,742.

Sommer, Gordon M., to Sommer, G. M., Co., Inc. Variable speed drive. 3,800,930, 4-2-74, Cl. 192-104.00p.

Sommer, Gordon M., to Sommer, G. M., Co., Inc. Variable speed drive with electronic control means. 3,834,502, 9-10-74, Cl. 192-104.00f.

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Sommer, Siegfried: *See*—
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Somogye, Steve, Jr., to Measuregraph Company, The. Fabric measuring and cost computing apparatus. 3,787,981, 1-29-74, Cl. 33-133.000.

Somogyi, Francis Paul. Fluid flow discharging apparatus. 3,833,153, 9-3-74, Cl. 222-193.000.

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Sondell, Jan Ivar: *See*—
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Sondergaard, Per: *See*—
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Sondergard, Richard D.: *See*—
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Sonderhouse, Ronald G.: *See*—
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Sondermeyer, Jack C., to RCA Corporation. Amplifier protection circuit. 3,796,967, 3-12-74, Cl. 330-207.00p.

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Sone, Toshia: *See*—
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Carter, Warren E.; and Songer, Hubert D., 3,817,640.

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Sonia, John, to Union Carbide Corporation. Printing plate saddle. 3,805,701, 4-23-74, Cl. 101-415.100.

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Sonn, George Frank; and McGonigle, Frank Michael, to Inmont Corporation. Pigmented plastics. 3,784,393, 1-8-74, Cl. 106-288.00g.

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Sonneborn, Lambertus Johannes, to Applied Power Inc. Lost motion connection means for hydraulic piston-cylinder device. 3,831,999, 8-27-74, Cl. 296-35.00r.

Sonnek, Werner: *See*—
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Rolke, Eckehard Herbert; and Sonnek, Werner, 3,802,688.

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Sonobe, Noriyoshi: *See*—
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Sonoda, Ryuichi; and Ohmae, Tadayuki, to Sumitomo Chemical Company, Ltd. Selective hydrogenation of naphthalenes. 3,825,610, 7-23-74, Cl. 260-667.000.

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Sorensen, Robert: *See—*
Scarnato, Thomas J.; Gordon, Paul C.; Sorensen, Robert; and Lawler, Craig M., 3,786,620.

Sorensen, Robert N. Inflatable crib. 3,833,947, 9-10-74, Cl. 5-94.000.

Sorensen, Robert P.; and Strombeck, Leo, to Anderson Bros. Mfg. Co. Apparatus for wrapping articles. 3,782,072, 1-1-74, Cl. 53-229.000.

Sorensen, Sven Ake Lennart; and Valentin, Georg, to Hoganas AB. Sliding roof for a skylight opening provided in a building or over a court enclosed on all sides. 3,815,299, 6-11-74, Cl. 52-66.000.

Sorenson, Charles E.; and Grimmer, Jon M., to Hahn, Inc. High-clearance agricultural vehicle. 3,788,416, 1-29-74, Cl. 180-27.000.

Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., to Hahn, Inc. Turf maintenance machine. 3,816,985, 6-18-74, Cl. 56-7.000.

Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., to Hahn, Inc. Turf maintenance machine. 3,824,772, 7-23-74, Cl. 56-7.000.

Sorenson Engineering Inc.: *See—*
Sorenson, Jess Frank, 3,823,595.
Sorenson, Jess Frank, 3,827,318.

Sorenson, James L.: *See—*
Pannier, Karl A., Jr.; Reynolds, Gordon S.; and Sorenson, James L., 3,786,810.

Sorenson, Jess Frank, to Sorenson Engineering Inc. Workpiece positioner and ejector. 3,823,595, 7-16-74, Cl. 72-312.000.

Sorenson, Jess Frank, to Sorenson Engineering, Inc. Automatic lathe with rotary cutter. 3,827,318, 8-6-74, Cl. 82-1.00c.

Sorenson, Lon A.: *See—*
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Sorenson, Marius W.: *See—*
Perry, William O.; Sorenson, Marius W.; and Hairston, Thomas J., 3,804,795.

Sorenson, Merle H.: *See—*
Klund, Robert N.; and Sorenson, Merle H., 3,810,407.

Sorenson, Perc C. Engine efficiency determining apparatus. 3,812,711, 5-28-74, Cl. 73-114.000.

Soret, Jean-Claude Georges: *See—*
Chaulet, Roger Louis; Guichard, Claude Pierre Albert Louis; Menissier, Pierre Lucien; and Soret, Jean-Claude Georges, 3,800,848.

Sorg, Dieter, to Wander Ltd.; a/k/a Wander AG. 1 Substituted 4 piperazine cycloalkylthiazoles. 3,822,267, 7-2-74, Cl. 260-268.0bc.

Sorge, Arthur L. Golfing accessory. 3,826,502, 7-30-74, Cl. 273-183.00b.

Sorgenfrei, Malachy E.: *See—*
Aepli, Otto T.; and Sorgenfrei, Malachy E., 3,796,817.

Sorgenti, Harold A., to Atlantic Richfield Company. Process for the desulfrization of hydrocarbons. 3,816,301, 6-11-74, Cl. 208-208.00r.

Soriano, Rene: *See—*
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Sorice, Edward L.: *See—*
Barkley, George G.; Sorice, Edward L.; and Niebauer, Kenneth L., 3,837,058.

Sorimachi, Kanehiro: *See—*
Ito, Tadashi; and Sorimachi, Kanehiro, 3,787,108.

Sorimachi, Kanehiro; and Matsuda, Mutsuhide, to Canon Kabushiki Kaisha. Variable resistor for a camera. 3,797,029, 3-12-74, Cl. 354-235.000.

Sorimachi, Mitsuo, to Tokyo Hoshiden Kabushiki Kaisha. Current limiter. 3,846,729, 11-5-74, Cl. 337-343.000.

Sorkin, Howard, to RCA Corporation. Fabrication of liquid crystal devices. 3,853,391, 12-10-74, Cl. 350-160.0lc.

Sorkin, Jack L.: *See—*
Thomas, Daniel C.; and Sorkin, Jack L., 3,808,004.

Sorkin, Sam A., to Teledyne Exploration Company. Sweep signal seismic exploration. 3,786,409, 1-15-74, Cl. 340-15.5cc.

Sorlan Valve Company: *See—*
Barbier, William J.; and Knaebel, Thomas C., 3,818,398.

Sorli, Duncan C.: *See—*
Pasieka, John F.; and Sorli, Duncan C., 3,788,205.

Sorli, Duncan C., to Polaroid Corporation. Large format, self-developing, photographic film unit. 3,802,887, 4-9-74, Cl. 96-76.00r.

Sorli, Duncan C., to Polaroid Corporation. Photographic film unit cassette. 3,804,625, 4-16-74, Cl. 96-67.000.

Sorli, Duncan C., to Polaroid Corporation. Photographic processor for large format film units. 3,854,812, 12-17-74, Cl. 354-312.000.

Sorm, Frantisek: *See—*
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Dolejs, Ladislav; Beran, Pavel; Kahovcova, Jitka; Machkova, Zuzana; Slama, Karel; and Sorm, Frantisek, 3,803,211.
Dolejs, Ladislav; Machkova, Zuzana; Beran, Pavel; Kahovcova, Jitka; Slama, Karel; and Sorm, Frantisek, 3,847,907.
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Sorokin, Eduard Sergeevich: *See—*
Gurvich, Yakov Abramovich; Grinberg, Alexandr Afroimovich; Styskin, Evgeny Lvovich; Kumok, Simona Tevievna; Sobolev, Valerian Mikhailovich; Sorokin, Eduard Sergeevich; Shelkova, Irina Sergeevna; Liakumovich, Alexandr Grigorievich; Michurov, Jury Ivanovich;and Rutman, Grigory Iosifovich, 3,845,142.

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Sorokin, Peter P.: *See—*
Hodgson, Rodney T.; Lankard, John R.; Sorokin, Peter P.; and Wynne, James J., 3,816,754.

Soros, Paul. Shipside cargo conveyance device. 3,856,159, 12-24-74, Cl. 214-14.000.

Sorrells, Frank D.: *See—*
Lee, Charles A.; Sorrells, Frank D.; and Hood, James R., 3,822,159.

Sorrentino, Anthony P.: *See—*
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Sorrentino, Benjamin J. Method and apparatus for decontaminating a rinse liquid. 3,849,197, 11-19-74, Cl. 134-10.000.

Sortex Company of North America, Inc.: *See—*
Chapman, Robert R., 3,845,705.
Gillespie, Robert M., 3,845,703.
Gillespie, Robert M., 3,851,074.
Rhys, Hugh R., 3,802,558.

Sortwell, Edwin T.: *See—*
Reid, George; and Sortwell, Edwin T., 3,807,701.

Sorvall, Ivan, Inc.: *See—*
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Sosalia, Harry, to Royal Industries, Inc., mesne. Hinge construction. 3,785,441, 1-15-74, Cl. 172-311.000.

Sosalla, Harry, to Royal Industries, Inc. Mounting clamp for spring tooth. 3,827,505, 8-6-74, Cl. 172-707.000.

Sosalla, Harry, to Royal Industries, Inc. Multiple-piece wing sections for cultivator and selectively locking means for same. 3,841,412, 10-15-74, Cl. 172-311.000.

Sosedov, Viktor Ivanovich: *See—*
Voronin, Mjud Izrailevich; Gnusarev, Gennady Petrovich; Mekler, Abram Grigorievich; and Sosedov, Viktor Ivanovich, 3,815,509.

Soshea, Richard W., to Hewlett-Packard Company. Efficient red emitting electroluminescent semiconductor. 3,790,868, 2-5-74, Cl. 317-235.00r.

Sosjurko, Vladimir Georgievich: *See—*
Vydrin, Vladimir Nikolaevich; Ageev, Leonid Matveevich; and Sosjurko, Vladimir Georgievich, 3,811,307.

Sosner, Jury Moiseevich: *See—*
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Sosnowski, John: *See—*
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Sosnowski, Thomas Patrick: *See—*
Bjorkholm, John Ernst; Shank, Charles Vernon; and Sosnowski, Thomas Patrick, 3,786,368.

Sosnowski, Thomas Patrick, to Bell Telephone Laboratories, Incorporated. Devices for varying thin film waveguiding properties. 3,802,760, 4-9-74, Cl. 350-96.0wg.

Sosnowski, Thomas Patrick; and Weber, Heinz Paul, to Bell Telephone Laboratories, Incorporated. Method of making a thin film wave guide employing stress induced birefringence by deposition in a polymer from solution. 3,839,067, 10-1-74, Cl. 117-33.300.

Soss, John B.; and Stachowiak, John E., to American Aero Industries, Inc. Safety apparatus. 3,799,440, 3-26-74, Cl. 239-120.000.

Sosson, Guy. Apparatus for separating comminuted electrical wire. 3,823,820, 7-16-74, Cl. 209-44.000.

Sostero, Carlo. Record sequentially positioning device for automatic phonograph record players. 3,827,698, 8-6-74, Cl. 274-10.00s.

Sotak, John B.; and Williamson, Harold A. Power mower safety mechanism. 3,783,591, 1-8-74, Cl. 56-10.200.

Soter, Ernest J., to United States of America, National Aeronautics and Space Administration. Modification of one man life raft. 3,781,933, 1-1-74, Cl. 9-11.00a.

Soto, Enrique. Machine for sizing and processing drapery material. 3,795,565, 3-5-74, Cl. 156-465.000.

Soto, Jose J. Accident prevention device. 3,854,438, 12-17-74, Cl. 116-28.00r.

Sotodate, Akiyoshi: *See—*
Ishida, Shinnosuke; Harada, Kunio; Kiyoshe, Tadashi; Takeuchi, Reizi; Itoh, Susumu; Sotodate, Akiyoshi; and Wachi, Tadashi, 3,795,334.

Sotogoshi, Teruhito: *See—*
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Sottile, Michael R.; and Sanducci, Anthony F., to Singer Company, The. Optical solid state switches. 3,851,328, 11-26-74, Cl. 340-337.000.

Sottle, William: *See—*
Orrick, W. W.; Sottle, William; and DeHart, John R., 3,797,350.

Soubitez, Pierre. Device for fixing a shaft to a member. 3,830,271, 8-20-74, Cl. 151-28.000.

Soubrier, Juan Gomez, to Regalos, Promociones y Servicios, S.A. Interlocking figures for a chess set. 3,801,105, 4-2-74, Cl. 273-137.00r.

Soucek, Josef. Bullet-proof tire. 3,857,427, 12-31-74, Cl. 152-196.000.

Souchek, Dwaine G.: *See—*
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Soudelier, Morris A., to Houma Valve Service, Inc. Fluid sampling device. 3,812,722, 5-28-74, Cl. 73-422.0tc.

Souders, Marvyn L.: *See—*
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Soudijn, Willem: *See—*
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Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, to Janssen Pharmaceutica N.V. [(Thioxanthenyl) propyl]-piperidyl-benzimidazolinones. 3,838,118, 9-24-74, Cl. 260-240.0tc.

Soudijn, Willem; van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, to Janssen Pharmaceutica N.V. Novel triazas piro(4,5)decan-4-one derivatives. 3,842,076, 10-15-74, Cl. 260-240.00r.

Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, to Janssen Pharmaceutica N.V. Benzimidazolinone derivatives. 3,843,634, 10-22-74, Cl. 260-240.0tc.

Soudijn, Willem; Van Wijngaarden, Ineke; and Janssen, Paul Adriaan Jan, to Janssen Pharmaceutica, N.V. [(Thioxanthenyl) propyl]-triazaspiro[4,5] decan-4-ones. 3,843,635, 10-22-74, Cl. 260-240.0tc.

Souers, George, to United States Steel Corporation. Gas venting in the manufacture of chilled rolls. 3,851,701, 12-3-74, Cl. 164-127.000.

Souffie, Robert David: *See—*
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Souffle, Robert David: *See—*
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Souillard, Georges J.; and Van Quaethoven, Frederic Francois. Lubricating compositions. 3,838,049, 9-24-74, Cl. 252-32.70e.

Souillard, Georges Jules Pierre; and Van Quaethoven, Frederic Francois Paul, to Cosden Oil & Chemical Company. Lubricant compositions. 3,852,204, 12-3-74, Cl. 252-33.400.

Souillard, Michel, to Compteurs Schlumberger. Method and apparatus for localizing phase-to-phase and phase-to-ground faults in power lines. 3,800,215, 3-26-74, Cl. 324-52.000.

Soukeras, John E. Safe personal effects pouches and strap means for under arm or shoulder wear. 3,845,522, 11-5-74, Cl. 24-74.00a.

Soukup, Victor G.: *See—*
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Soulal, Maurice John; and Utting, Kenneth, to Beecham Group Limited. Acetoxy methyl and pivaloyloxymethyl 5-acetamido-2,4,6-triiodo-N-methyliaphthalamates. 3,795,698, 3-5-74, Cl. 260-471.00r.

Soulant, Herman A., Jr., to United States of America, Navy. Sea sensor and descriptor system. 3,800,601, 4-2-74, Cl. 73-170.00a.

Soule, Frank A. Safety belt for use on motor vehicles. 3,834,758, 9-10-74, Cl. 297-389.000.

Soule, Stanley B.: *See—*
Gerow, Raymond F.; and Soule, Stanley B., 3,802,910.

Soulier, Joel Henri Auguste. Device for adjusting the microwave energy applied to a band or a sheet to be treated in a resonant cavity furnace. 3,783,221, 1-1-74, Cl. 219-10.550.

Soulier, Joel Henri Auguste. Microwave furnace for the treatment of sheets or plates made of a material absorbing said waves. 3,784,777, 1-8-74, Cl. 219-10.550.

Soulos, George D., to Gem Insect Control, Inc. Electrical discharge insect control system. 3,835,577, 9-17-74, Cl. 43-112.000.

Soultanian, Yeghia. Hydro-broom. 3,806,261, 4-23-74, Cl. 401-42.000.

Sound Technology, Inc.: *See—*
Mazalas, Anthony P., 3,831,175.

Soundcoat Co., Inc., The: *See—*
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Source/Inc.: *See—*
Hansen, James G.; and Fahnstrom, Dale E., 3,817,191.

Souriau & Cie: *See—*
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Soury, Jean-Pierre: *See—*
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Soury, Jean-Pierre; Lambert, Andre; and Barandon, Rene, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Gate valve for the transfer of high purity gas. 3,844,307, 10-29-74, Cl. 137-271.000.

Sousa, Anthony A.: *See—*
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Sousan, Andre Levy. Electronic random predictor. 3,834,710, 9-10-74, Cl. 273-138.00a.

Souse, Anthony A.: *See—*
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Sousek, Eugene A., to Koehring Company. Single blade recutter for forage harvester. 3,817,464, 6-18-74, Cl. 241-222.000.

South African Inventions Development Corporation: *See—*
Berrange, Aubrey Ralph, 3,788,757.
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Kuhn, Stephanus Hendrik; Freeme, Charles Richard; Beulink, Rombout; and Basson, John Edgar Baron, 3,782,486.

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South Bend Range Corporation: *See—*
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South Seas International (NZ) Limited: *See—*
Toulson, Ronald Garnett; and Nix, Ronald George, 3,841,040.
South Wall Corporation: *See—*
Busby, Daniel, 3,838,857.
Southam, Donald L.; and Gaffney, John Marshall, to Harris-Intertype Corporation. Lithographic printing apparatus and wash-up device. 3,842,735, 10-22-74, Cl. 101-145.000.
Southam, Earl A.: *See—*
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Southard, James S., to Conn. C. G., Ltd. Organ pedal tone generator. 3,837,254, 9-24-74, Cl. 84-1.010.
Southco Inc.: *See—*
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Southeastern Aluminum Products, Inc.: *See—*
Tanner, Homer C., 3,838,548.
Souther, George L., to Southern Railway Company. Device for locating the particular railroad car causing an emergency brake application. 3,807,808, 4-30-74, Cl. 303-1.000.
Souther, Louis C. Seal wear indicating mechanisms. 3,842,792, 10-22-74, Cl. 116-114.00q.
Southern, Edward M.: *See—*
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Pantermuehl, Pontie J.; and Munsch, George F., 3,823,608.
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Greatline, Stanley E.; and Grismore, Fred Leland, 3,787,860.
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Southern Iron & Equipment Company: *See—*
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Southern Machinery Company: *See—*
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Southern Mills, Inc.: *See—*
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Southern Pacific Transportation Company, mesne: *See—*
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Southern Railway Company: *See—*
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Southgate, Al Paiso; and Battle, Jno R. Horse shoe. 3,794,119, 2-26-74, Cl. 168-18.000.
Southgate, Peter David, to RCA Corporation. Contact array and method of making the same. 3,842,189, 10-15-74, Cl. 174-52.00s.
Southgate, Peter David, to RCA Corporation. Thermal radiation detector. 3,842,276, 10-15-74, Cl. 250-336.000.
Southland, John Robert, to Omark-Winslow Aerospace Tool Co. End mill grinder. 3,813,823, 6-4-74, Cl. 51-94.0cs.
Southwell, William H.; and Walters, Richard M., to Owens-Illinois, Inc. Method and apparatus for measuring the index of refraction. 3,784,308, 1-8-74, Cl. 356-128.000.
Southwest Petro-Chem, Inc.: *See—*
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Southwest Research Institute: *See—*
Birdwell, James A.; Barton, John R.; and Gardner, Clarence G., 3,783,370.
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Ludwig, Allen C.; and Dale, John M., 3,840,232.
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Southwestern Portland Cement Company: *See—*
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Southwick, J. Wanless: *See—*
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Southwick, Russell D.; and Smith, Everett C., to Glass Container Manufacturers Institute, Inc. Method for applying an inorganic tin coating to a glass surface. 3,819,346, 6-25-74, Cl. 65-24.000.
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Chia, Enrique C.; and Schoerner, Roger J., 3,794,484.
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Cofer, Daniel B.; Chia, Enrique Calixto; Burnitt, John E.; and Kaltenberg, Theodor W., 3,806,366.
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Southworth, Charles Peter: *See—*
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Southworth, Christopher John Morrison, to Machine Tool Divisional Services Limited. Gear hobbing machines. 3,812,761, 5-28-74, Cl. 90-4.000.
Southworth, Glen R.; Robbins, Peter M.; and Wills, Frank, to American Metal Climax, Inc. Automatic means for remote sweep-scanning of a liquid level and for controlling flow to maintain such level. 3,842,894, 10-22-74, Cl. 164-4.000.
Southworth, Hamilton, Jr., to Bell Telephone Laboratories. Pin connector switch. 3,796,848, 3-12-74, Cl. 200-175.000.
Southworth Machine Company: *See—*
Atwood, Lamar T.; Radomski, Joseph E.; and Wilson, David E., 3,791,047.
Atwood, Lamar T.; Radomski, Joseph E.; and Wilson, David E., 3,815,259.
Southworth, Richard Alvin, to International Business Machines Corporation. Synchronized static mosfet latch. 3,812,388, 5-21-74, Cl. 307-291.000.
Souvenir Incorporated: *See—*
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Souza, Anthony J.; and Martin, Harlan W., to Woodstream Corporation, mesne. Live animal trap. 3,834,063, 9-10-74, Cl. 43-61.000.
Souza, Augustine A., to Polygon Concepts, Inc. Cassette. 3,796,394, 3-12-74, Cl. 242-199.000.
Souza, Augustine A., to Noyce, Robert N. Flow control assembly. 3,822,720, 7-9-74, Cl. 137-525.100.
Souza, Augustine A., to Polygon Concepts, Inc. Cassette. 3,837,599, 9-24-74, Cl. 242-199.000.
Souza, Edward A.: *See—*
Karlik, Steven, Jr.; Hyland, William J.; and Souza, Edward A., 3,855,505.
Souza, Joseph Francis, to Shipley Company, Inc. Electroless nickel plating. 3,782,978, 1-1-74, Cl. 106-1.000.
Sova, Vladimir, to Brown Boveri & Company Limited. Process for depositing a metal layer upon a plastic. 3,847,649, 11-12-74, Cl. 117-47.00a.
Sovenyhazi, Josef. Electromechanical clock. 3,798,891, 3-26-74, Cl. 58-29.000.
Sovex Limited: *See—*
Rooke, Sydney W.; Grice, Alan; and Davey, Malcolm F., 3,838,763.
Sovijarvi, Arvi A. I.; and Jaronen, Niilo N. Apparatus and method for making X-ray films. 3,819,937, 6-25-74, Cl. 250-505.000.
Sowards, Norman K., to Environmental Products, Inc. Low pollution incineration of solid waste. 3,834,326, 9-10-74, Cl. 110-8.00r.
Sowell, John B., mesne: *See—*
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Enderlein, Hans Dieter Friedrich Konrad, 3,811,826.
Sowell, Lyles Howard, to Du Pont de Nemours, E. I., and Company. Textile core with a breakaway stringup slot. 3,794,260, 2-26-74, Cl. 242-125.100.
Sower, Vernon K. Electrical primer. 3,850,101, 11-26-74, Cl. 102-46.000.
Sowerby, Austen Edgar; and Akred, Brian John, to Albright & Wilson Limited. Production of sulphonated material. 3,829,484, 8-13-74, Cl. 260-545.00r.
Sowers, Blaine E.; and Hunnicutt, Vaughn E., to North American Van Lines, Inc. Loading and unloading device. 3,845,869, 11-5-74, Cl. 212-65.000.
Sowinski, Francis Alexander: *See—*
Bernstein, Jack; and Sowinski, Francis Alexander, 3,804,894.
Sowinski, Leonard A.: *See—*
Biba, Edward A.; and Sowinski, Leonard A., 3,783,432.
Sowman, Harold G., to Minnesota Mining and Manufacturing Company. Refractory fibers of zirconia and silica mixtures. 3,793,041, 2-19-74, Cl. 106-57.000.
Sowman, Harold G., to Minnesota Mining and Manufacturing Company. Aluminum borate and aluminum borosilicate articles. 3,795,524, 3-5-74, Cl. 106-65.000.
Soya, Masahiro, to Tokico Ltd. System for detecting abnormalities in pipelines. 3,848,458, 11-19-74, Cl. 73-40.50r.
Soyana, Ryoji, to Kitamura Valve Mfg. Co., Ltd. Ball valve apparatus. 3,794,291, 2-26-74, Cl. 251-171.000.
Soykan, Ferhun H.; Huntington, John S.; and Darmara, Falih N., to Special Metals Corporation. Control apparatus for continuously casting liquid metal produced from consumable electrodes. 3,847,205, 11-12-74, Cl. 164-155.000.
S.p.A. (Fabbrica Accessori Auto Bolognese): *See—*
Fontana, Toriddo, 3,792,712.

S.p.A. Giuseppe Ratti Industria Ottica: *See—*
Blumenthal, Oreste, 3,796,482.
S.p.A. Lavorazione Materie Plastiche L.M.P.: *See—*
Colombo, Roberto, 3,823,047.
S.p.A. Luigi Franchi: *See—*
Soana, Renzo, 3,786,588.
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Zanoni, Ernesto, 3,845,689.
S.p.A. Virginio Rimoldi & C.: *See—*
Marforio, Nerino, 3,783,809.
Marforio, Nerino, 3,783,810.
Marforio, Nerino, 3,785,310.
Marforio, Nerino, 3,799,088.
Marforio, Nerino, 3,810,436.
Spa-Societa Prodotti Antibiatics S.p.A.: *See—*
Bruzzese, Tiberio, 3,822,273.
Spaan, Harry C., to Carando Machine Works. Die-stabilizing mechanism for a split flanging die unit. 3,845,656, 11-5-74, Cl. 72-392.000.
Space Age Industries, Inc.: *See—*
Hemmelsbach, Richard J., 3,788,335.
Space and Tactical Systems Corporation: *See—*
Shute, Donald William, 3,805,626.
Space Paper Products: *See—*
Pascua, Don F.; and Stearns, Harold C., 3,842,506.
Spacesaver Corporation: *See—*
Staller, Marvin A., 3,829,189.
Spacetac Incorporated: *See—*
Cocca, Theadore, 3,806,629.
Cocca, Theodore F.; and Sanders, Paul J., 3,787,965.
Jehu, Robert Ramsay, 3,816,813.
Provanzano, Salvatore R., 3,789,244.
Spachner, Sheldon A.; Lose, John G.; and Friedland, Martin, to Gulf & Western Industrial Products Company. Low-impact four-bar press. 3,795,168, 3-5-74, Cl. 83-617.000.
Spachner, Sheldon Arthur: *See—*
Desai, Prakash Khirubhai; and Spachner, Sheldon Arthur, 3,817,139.
Spacials Limited: *See—*
Simpson, Arthur William; and Pocock, Frank William, 3,838,631.
Spacil, Henry S., to General Electric Company. Hydrogen production by dissociation of steam with liquid tin. 3,821,362, 6-28-74, Cl. 423-657.000.
Spacko, Roman F.: *See—*
Nelson, Axel B.; and Spacko, Roman F., 3,791,618.
Spadafora, Joe. Brake signal device for a vehicle. 3,813,542, 5-28-74, Cl. 250-221.000.
Spadano, Vinvenzo. Machine for heat sealing together the edges of plastic sheets and the like. 3,793,120, 2-19-74, Cl. 156-499.000.
Spadaro, James J.: *See—*
Lambou, Madeline G.; and Spadaro, James J., 3,856,700.
Spademan, Charles F.: *See—*
Marsalka, Joseph P.; and Spademan, Charles F., 3,833,892.
Spademan, Richard G. Antifriction device. 3,829,112, 8-13-74, Cl. 280-11.35c.
Spademan, Richard G. Elastic sealing member. 3,853,127, 12-10-74, Cl. 128-214.400.
Spadini, Paolo. Alarm wrist watch. 3,788,059, 1-29-74, Cl. 58-23.0ba.
Spadolini, Pierluigi, to IP Industria Chimica per l'Arredamento S.p.A. Funiture unit. 3,822,078, 7-2-74, Cl. 297-140.000.
Spadon, Luciano J.: *See—*
Klaassen, Dirk; Spadon, Luciano J.; and Tiessens, Meindert, 3,835,106.
Spaeder, Carl E., Jr., to United States Steel Corporation. Method of forming composite rolls. 3,820,212, 6-28-74, Cl. 29-148.40d.
Spaenig, Hermann; Dockner, Toni; and Frank, Anton, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of substituted imidazoles. 3,843,676, 10-22-74, Cl. 260-309.000.
Spaeth, Edwin B., Jr. Crossarm. 3,803,345, 4-9-74, Cl. 174-149.00r.
Spahn, Robert G.: *See—*
Weiss, Armin K.; and Spahn, Robert G., 3,832,298.
Spahr, Philip K.: *See—*
Martines, Francis M.; and Spahr, Philip K., 3,829,752.
Spahrbier, Dieter, to Varta Batterie Aktiengesellschaft. Arrangement of a fuel cell battery. 3,817,792, 6-18-74, Cl. 136-86.00c.
Spahrbier, Dieter, to Verta Aktiengesellschaft. Fuel cell power station. 3,843,410, 10-22-74, Cl. 136-86.00r.
Spahrkas, Heinrich: *See—*
Komarek, Ernst; and Spahrkas, Heinrich, 3,826,610.
Spain, Ian L.: *See—*
Woollam, John A.; Beale, Harry A.; and Spain, Ian L., 3,849,875.
Spain, Robert J., to Cambridge Memories, Inc. Magnetic thin film shift register having bidirectional transmission elements and alternately-paired block sites. 3,786,451, 1-15-74, Cl. 340-174.0fb.
Spain, Robert J.; and Jauvtis, Harvey I., to Cambridge Memories, Inc. Multiplexing system for thin film magnetic propagation channels. 3,806,900, 4-23-74, Cl. 340-174.0fb.
Spain, Roy C.: *See—*
Oliver, Roy N.; and Spain, Roy C., 3,795,174.
Spain, Stanley R., to Kidde, Walter, & Company, Inc. Mechanism for positioning and restricting crane control levers to prevent dangerous load condition. 3,792,780, 2-19-74, Cl. 212-39.00r.
Spair, Herbert S.: *See—*
Lockwood, John E.; Spair, Herbert S.; and Spair, Richard A., Sr., 3,838,392.
Spair, Richard A., Sr.: *See—*
Lockwood, John E.; Spair, Herbert S.; and Spair, Richard A., Sr., 3,838,392.
Spairani, Luciano. Fluid flow control device. 3,855,798, 12-24-74, Cl. 60-585.000.
Spalding Engineering Company, Limited: *See—*
Mumford, Michael Anthony, 3,799,018.
Spaleny, George R.: *See—*
Parenti, Frank V.; Abney, Paul C.; and Spaleny, George R., 3,823,934.
Spaleny, George R.; McCalley, Edward W.; and DeYoung, James H., to Standard Register Company, The. Film viewer and control apparatus. 3,824,009, 7-16-74, Cl. 353-27.000.
Spaller, Albert E., Jr.: *See—*
Stockbridge, Bruce W.; and Spaller, Albert E., Jr., 3,824,827.
Spaller, Albert E., Jr.; and Stockbridge, Bruce W., to Eastman Kodak Company. Method for applying pressure in cutting elongated flexible material into predetermined shorter lengths and apparatus for practicing the improved method. 3,826,163, 7-30-74, Cl. 8-18.000.
Spampanato, Gavino A.: *See—*
Block, Lawrence Allan; De Wilde, Robert N.; and Spampanato, Gavino A., 3,853,477.
Spampinato, Dominic P.: *See—*
Dennnard, Robert H.; and Spampinato, Dominic P., 3,834,959.
Parrish, James T.; Spampinato, Dominic P.; and Terman, Lewis M., 3,808,462.
Span-Deck, Inc.: *See—*
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Spanco Yarns, Inc.: *See—*
Northup, Francis B.; and Hart, Donald R., 3,831,369.
Spanel, Abram N.: *See—*
Spanel, Abram N.; Wittler, Bernard H.; and Leszczak, Nicholas (said Leszczak and said Wittler assors. to said), 3,812,799.
Spanel, Abram N.; and Jacobs, David R. (said Jacobs assor to), 3,824,939.
Spanel, Abram N.; Wittler, Bernard H.; and Leszczak, Nicholas, said Leszczak and said Wittler assors. to said Spanel, Abram N. Method and means of tufting. 3,812,799, 5-28-74, Cl. 112-79.00r.
Spanel, Abram N.; and Jacobs, David R., said Jacobs assor to Spanel, Abram N. Method and means of threading and implanting tufting yarn. 3,824,939, 7-23-74, Cl. 112-79.0ff.
Spanel, Abram N. Dry color applicator for hair. 3,828,802, 8-13-74, Cl. 132-9.000.
Spanel, Abram Nathaniel. Hair cutters featuring rotatable blade. 3,803,712, 4-16-74, Cl. 30-30.000.
Spanel, Abram Nathaniel. Hair cutters. 3,855,695, 12-24-74, Cl. 30-30.000.
Spanel, Abram Nathaniel. Hair cutters. 3,855,696, 12-24-74, Cl. 30-30.000.
Spang, Kjell: *See—*
Egerborg, Bo Malte Staffan; Gadefelt, Goran Robert; Magbjer, Gunnar Ingemar; and Spang, Kjell, 3,828,504.
Spang, Kjett Knut I.: *See—*
Egerbork, Bo Malte S.; Gadefelt, Goran R.; Hagbjer, Gunnar Ingemar; and Spang, Kjett Knut I., 3,790,078.
Spange, Arno; and Deubel, Reinhold, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of pigment compositions for coloring polyolefins. 3,808,019, 4-30-74, Cl. 106-271.000.
Spangemacher, Kurt, to Maschinenbau-Aktiengesellschaft Balcke. Method of preventing the formation of clouds of gas or smoke on cooling towers, and cooling tower for carrying out the method. 3,846,519, 11-5-74, Cl. 261-151.000.
Spangenberg, William C.: *See—*
Nordyke, John S.; and Spangenberg, William C., 3,846,148.
Nordyke, John S.; and Spangenberg, William C., 3,852,087.
Spangler, Edward O.: *See—*
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Spangler, Herbert D., to Merck & Co., Inc. Cereals containing discrete nutrient particle on the surface. 3,784,716, 1-8-74, Cl. 426-289.000.
Spanheimer, Willi: *See—*
Mengeringhausen, Max; Quenzel, Hermann; Gehrig, Reinhold; and Spanheimer, Willi, 3,783,232.
Spanjer, Keith G., to Motorola, Inc. Ultrasonic bond control apparatus. 3,784,079, 1-8-74, Cl. 228-1.000.
Spanjersberg, Arie Adriaan: *See—*
Brok, Wilhelm Fredrik; Spanjersberg, Arie Adriaan; and Van Staveren, Joannes, 3,832,682.
Spanjersberg, Arie Adriaan, to De Staat der Nederlanden, Ten deze Vertegenwoordigd Door de Directeur-General der Posterijen,

Telegrafie en Telefonie. Automatic address detection system. 3,846,753, 11o5-74, Cl. 340-146.30d.
Spanjersberg, Arie Adriaan, to De Staat der Nederlanden, Ten deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. System for automatically reading symbols. 3,858,180, 12-31-74, Cl. 340-146.30f.
Spanke, Edwin A.; Carrieri, Louis F.; and Francey, Melvin H., to Gulf & Western Manufacturing Company. Fluid operated clutch and brake. 3,835,971, 9-17-74, Cl. 192-18.00a
Spannagel, Ulrich, to Amdahl Corporation. Dual output adder and method of addition for concurrently forming the differences A-B and B-A. 3,814,925, 6-4-74, Cl. 235-175.000.
Spano, Eduardo Victor; Sueiro, Otilia; Gonzalez, Oscar Pedro; and Campiani, Noem Mabel. Machine for continuously filling measured quantities of materials. 3,794,087, 2-26-74, Cl. 141-131.000.
Spanoudis, Louis, to Owens-Illinois, Inc. Method for making coated receptacle for microwave cooking of food. 3,853,612, 12-10-74, Cl. 117-212.000.
Spanur, Frank G., to Union Carbide Corporation. Resealable vent closure for sealed galvanic dry cell. 3,802,923, 4-9-74, Cl. 136-178.000.
Spar Aerospace Products Limited: *See*—
Kerr, Howard Stewart, 3,796,826.
Sparapany, John J.: *See*—
Fetscher, Charles A.; and Sparapany, John J., 3,842,141.
Sparber, Frederick J.; and Whiting, Glen H., to United States of America, Atomic Energy Commission. Radioisotope fueled heat transfer system. 3,801,446, 4-2-74, Cl. 176-39.000.
Sparer, Seno: *See*—
Newcomb, Harley M.; Sparer, Seno; and Abrahamson, Robert K., 3,815,990.
Sparks, Allen K.; and Louvar, James J., to Universal Oil Products Company. Preparation of coumarin compounds. 3,803,175, 4-9-74, Cl. 260-343.20r.
Sparks, Allen K., to Universal Oil Products Company. Paraffin halogenation process. 3,848,006, 11-12-74, Cl. 260-660.000.
Sparks, Byran: *See*—
Fontana, C. Michael; and Sparks, Byran, 3,856,760.
Sparks, Charles H. Method of making cloth reinforcing member for tissue grafts. 3,806,573, 4-23-74, Cl. 264-137.000.
Sparks, James E., to Bourns, Inc. State and sequence detector. 3,854,055, 12-10-74, Cl. 307-115.000.
Sparks, James I.; and Spivy, Paul L., to Dayco Corporation. Apparatus for and method of making a multiple layer sheet. 3,820,583, 6-28-74, Cl. 156-190.000.
Sparks, John W.: *See*—
Bader, Henry; Feingold, Michael H.; January, Susan C.; and Sparks, John W., 3,822,293.
Sparks, Meredith P. Parking aid. 3,793,981, 2-26-74, Cl. 116-28.00r.
Sparks, Olin B. Method of constructing an index clip. 3,839,118, 10-1-74, Cl. 156-227.000.
Sparks, William J.: *See*—
Oseroff, Herbert B.; and Sparks, William J., 3,848,480.
Sparlin, Derry D.: *See*—
McGuire, Lindell V.; and Sparlin, Derry D., 3,815,680.
Sparling, Kenneth P., to Lockheed Aircraft Corporation. Process for removing surface distortion from a metal article. 3,852,990, 12-10-74, Cl. 72-342.000.
Sparr, Albert E. Anti-fishtail device for trailers. 3,810,521, 5-14-74, Cl. 180-103.000.
Sparr, Anders V., Sr. Teat disinfecting cup for use after milking. 3,828,776, 8-13-74, Cl. 128-248.000.
Sparr, Erik Einar: *See*—
Forsberg, Rolf Erik; and Sparr, Erik Einar, 3,847,334.
Sparrendahl, Gunnar Erik William: *See*—
Edstrom, Nils Herbert; Lindqvist, Stig Gustaf Wilhelm; and Sparrendahl, Gunnar Erik William, 3,818,142.
Sparrow, Donald B.: *See*—
Iannazzi, Fred D.; Rafferty, John W.; Sparrow, Donald B.; and Strauss, Richard, 3,833,460.
Sparser, Frederick J. Pressure sensitive fluid injector and pogo stick utilizing same. 3,782,352, 1-1-74, Cl. 123-139.0aj.
Spartanics, Ltd.: *See*—
Mohan, William L.; and Willits, Samuel P., 3,790,759.
Mohan, William L.; and Willits, Samuel P., 3,813,523.
Sparton Corporation: *See*—
Karr, Willis F., 3,837,300.
Spasuik, Paul. Bale loader. 3,841,504, 10-15-74, Cl. 214-78.000.
Spath, Frank-Volker: *See*—
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Spatz Corporation: *See*—
Spatz, Walter B., 3,794,432.
Spatz, Walter B., 3,802,023.
Spatz, Walter B., 3,837,749.
Spatz, Walter B., to Spatz Corporation. Applicator for fluids. 3,794,432, 2-26-74, Cl. 401-262.000.
Spatz, Walter B., to Spatz Corporation. Brush. 3,802,023, 4-9-74, Cl. 15-192.000.
Spatz, Walter B., to Spatz Corporation. Cosmetic applicator. 3,837,749, 9-24-74, Cl. 401-130.000.
Spaulding, David B.: *See*—
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Spaulding, Forrest D.: *See*—
Bresson, Clarence R.; and Spaulding, Forrest D., 3,856,732.
Spaulding, Milton K. Gutter-type swimming pool construction. 3,813,705, 6-4-74, Cl. 4-172.180.
Spaulding, Milton K. Circulating hand-hold for swimming pools. 3,824,635, 7-23-74, Cl. 44-172.180.
Spaulding, Richard A., to Eastman Kodak Company. Multi-color acoustooptic modulator. 3,783,185, 1-1-74, Cl. 178-5.200.
Spaulding, Tedford H., to Bunker Ramo Corporation. Electrical connector unit for leadless circuit device. 3,846,737, 11-5-74, Cl. 339-174.000.
Spaulding, Tedford Hollace: *See*—
Kehl, Lawrence Joseph; Janis, Robert Gerald; and Spaulding, Tedford Hollace, 3,842,497.
Spaun, Rodiger: *See*—
Harris, Roger Lawrence Newton; and Spaun, Rodiger, 3,801,583.
Spaw, Robert L. Automatic level measuring and control system. 3,807,231, 4-30-74, Cl. 73-290.00r.
Spayd, Richard W.: *See*—
Babbitt, John M.; Spayd, Richard W.; and Irani, Nayyir F., 3,811,897.
Speak, Richard C., to United States Borax & Chemical Corporation. Device for dispensing liquid or paste material. 3,840,154, 10-8-74, Cl. 222-181.000.
Speaker Motion Systems, Inc.: *See*—
Wolbrink, David W., 3,782,531.
Speakman, Peter Roscoe Hartley: *See*—
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Spear, Reginald G.: *See*—
Tracy, Richard R.; and Spear, Reginald G., 3,791,157.
Spear, Richard S., to B-A-L Products Corporation; a division of Nova Products of California. Trailer jack. 3,826,470, 7-30-74, Cl. 254-86.00r.
Spear Systems, Inc.: *See*—
Speer, Billy Logan, 3,850,121.
Spear, Woodrow. Data entry system and apparatus. 3,806,166, 4-23-74, Cl. 283-55.000.
Spears, Esten W., Jr.: *See*—
Beam, Paul E., Jr.; Hunt, Albert L., Jr.; and Spears, Esten W., Jr., 3,814,313.
Corrigan, Leo A.; and Spears, Esten W., Jr., 3,841,789.
Spears, Esten W., Jr., to General Motors Corporation. Fuel drain system. 3,808,796, 5-7-74, Cl. 60-39.09f.
Spears, Jesse W.: *See*—
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Specht, Dieter, to Stein, Hans Von, OHG. Tubular roller. 3,793,689, 2-26-74, Cl. 29-116.00r.
Specht, Donald P.: *See*—
Drexhage, Karl H.; Reynolds, George A.; and Specht, Donald P., 3,786,369.
Specht, Glenn E., to American La France, Inc. Nozzle. 3,784,113, 1-8-74, Cl. 239-460.000.
Specht, Hans; Kroll, Bruno; and Gruttner, Alfred, to Continental Gummi-Werke Aktiengesellschaft. Electrical conductor element for checking possible damage to conveyor belts, and conveyor belt equipped with such conductor element. 3,834,518, 9-10-74, Cl. 19840.000.
Specht, Theodore R., to Westinghouse Electric Corporation. Transformer internal fault detector. 3,832,600, 8-27-74, Cl. 317-14.00d.
Specht, Thomas F.; and Babecki, Robert J., to Union Special Corporation. Sliding ejector pad attachment for use with sliding bolster plate for presses. 3,835,691, 9-17-74, Cl. 72-427.000.
Specht, Viktor: *See*—
Kling, Alfred; and Specht, Viktor, 3,833,517.
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Specialized Tapes Limited: *See*—
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Specialty Coatings & Chemicals, Inc.: *See*—
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Specialty Converters, Inc.: *See*—
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Specialty Instruments Corporation: *See*—
Balko, Jack E.; Moffatt, Davis F.; and Searcy, Durward F., 3,829,869.

Specialty Manufacturing Company: *See*—
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Catanzarite, Vincent O., 3,837,942.
Lynch, Robert W., 3,827,715.
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Timmerman, Hubert G., 3,785,149.
Speck, Hans-Reimer: *See*—
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Speck, Stanley B., to Du Pont de Nemours, E. I., and Company. Aqueous dye baths containing mixtures of acidic dyes for deep-dyeing nylon yarns. 3,802,836, 4-9-74, Cl. 8-26.000.
Speck, Walter. Centrifugal pumps composed primarily of plastic components. 3,829,238, 8-13-74, Cl. 415-197.000.
Speckhart, Bernard S.: *See*—
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Specovius, Joachim: *See*—
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Spector, Donald, to Rubin, Sam. Double-acting hydraulic exerciser. 3,834,696, 9-10-74, Cl. 272-79.00c.
Spector, George: *See*—
Brown, Joseph E.; and Spector, George, 3,796,855.
Franklin, Chester A.; and Spector, George, 3,817,605.
Loose, Randy J.; and Spector, George, 3,843,125.
Vitack, George; Vitack, Rose; Vitack, Josephine; and Spector, George, 3,833,192.
Watson, Sidney Y.; and Spector, George, 3,853,090.
Williamson, Allen O.; and Spector, George, 3,796,454.
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Spector, Marshall L.; and Brian, P. L. Thibaut, to Air Products and Chemicals, Inc. Removal of sulfur oxides from stack gas. 3,843,789, 10-22-74, Cl. 423-242.000.
Spector, Saul R.: *See*—
Gilfillan, William C.; and Spector, Saul R., 3,815,764.
Spector, Sidney, to Hoffmann-La Roche Inc. Tubocurarine antigens and antibodies specific therefor. 3,809,782, 5-7-74, Cl. 260-121.000.
Spector, Sidney; and Parker, Charles W., to Hoffmann-La Roche Inc. Opium alkaloid specific antibodies. 3,822,245, 7-2-74, Cl. 260-112.00b.
Spectra-Physics, Inc., mesne: *See*—
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Keller, Toni W.; and Tschopp, Werner H., 3,787,760.
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Spedden, Henry Rush: *See*—
Platzke, Ronald N.; and Spedden, Henry Rush, 3,783,158.
Spedden, Henry Rush; and Malouf, Emil Edward, to Kennecott Copper Corporation. Controlled in-situ leaching of mineral values. 3,815,957, 6-11-74, Cl. 299-5.000.
Spedden, Henry Rush; and Malouf, Emil Edward, to Kennecott Copper Corporation. Cyclic leach-precipitation process for recovering copper values from bodies of ore material containing copper minerals. 3,819,797, 6-25-74, Cl. 423-27.000.
Spedden, Henry Rush; and Malouf, Emil Edward, to Kennecott Copper Corporation. In-situ generation of acid for in-situ leaching of copper. 3,834,760, 9-10-74, Cl. 299-5.000.
Spedden, Henry Rush; and Last, Arthur W., to Kennecott Copper Corporation. Process for recovering molybdenum values from molybdenite ore materials. 3,834,894, 9-10-74, Cl. 75-2.000.
Speece, Richard E. Recycling gas contact apparatus. 3,804,255, 4-16-74, Cl. 210-194.000.
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Speed King Manufacturing Company, Inc.: *See*—
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Speekman, Bernardus Willebrordus, to U.S. Philips Corporation. Longitudinally watertight cable. 3,803,339, 4-9-74, Cl. 174-23.00c.
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Speer, Billy Logan, to Spear Systems, Inc. Hemming machine. 3,850,121, 11-26-74, Cl. 112-121.290.
Speer, Lawrence, to Vinyltron Corporation. Method for patching materials such as plastic. 3,810,801, 5-14-74, Cl. 156-94.000.
Speer, Rolland Orin. Process and apparatus for separation of mineral ore from gangue material. 3,811,623, 5-21-74, Cl. 241-1.000.
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Speer, Walter Franklin; and Reed, Lloyd Edward, to RCA Corporation. Parity of tuning apparatus. 3,824,507, 7-16-74, Cl. 334-47.000.
Speers, Daniel E., to General Film Development Corporation. High contrast, high capacity monobath processing method and composition for monochrome film. 3,857,710, 12-31-74, Cl. 96-61.00m.
Speers, Daniel Earle, to General Film Development Corporation. Three-component developer photographic processing monobath composition and method. 3,806,344, 4-23-74, Cl. 96-61.00m.
Speers, Daniel Earle, to General Film Development Corporation. Fine grain high speed photographic processing monobath composition. 3,819,378, 6-25-74, Cl. 96-61.00m.
Speers, Samuel F.; Stewart, David F.; Leboda, Henry J.; and Quattrochi, Michael E., said Speers assor. to Hasbro Industries, Inc. Combination drinking straw and wheel spoke cover. 3,796,370, 3-12-74, Cl. 239-33.000.
Spees, Arthur T., to Visu-Flex Company. Filing system and elements thereof. 3,785,520, 1-15-74, Cl. 220-221.000.
Speich, Carl F.; and Roach, Jerome C., to Trane Company, The. Compressor valve apparatus. 3,830,253, 8-20-74, Cl. 137-525.000.
Speich, Francisco, to Muller, Jakob. Apparatus for moving thread guide devices of textile machines. 3,835,894, 9-17-74, Cl. 139-55.000.
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Speigel, Kenneth, to GTE Sylvania Incorporated Process for removing coating from a cathode ray tube mask member. 3,823,080, 7-9-74, Cl. 204-141.500.
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Speiser, Jeffrey M.: *See*—
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Speiser, Jeffrey M.; and Whitehouse, Harper John, to United States of America, Navy. Unidirectional surface wave transducer device. 3,800,248, 3-26-74, Cl. 333-30.00r.
Speiser, Jeffrey M., to United States of America, Navy. Coded grating transducer. 3,831,044, 8-20-74, Cl. 310-9.800.
Speissegger, Werner; and Baumeler, Hans, to Gebrueder Buehler AG. Shaft cooler construction. 3,842,516, 10-22-74, Cl. 34-170.000.
Speitschka, Ernst; and Landler, Josef, to Farbwerke Hoechst Aktiengesellschaft, vormals Meister Lucius & Bruning. Process for preparing compounds of the benzothioxanthene series. 3,829,439, 8-13-74, Cl. 260-328.000.
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Spellman, Francis T., to Symons Corporation. Power-actuated distributing conveyor system for a ready-mix concrete truck. 3,828,949, 8-13-74, Cl. 214-83.260.

Spellman, Patrick J. Miniature dry cell battery. 3,801,373, 4-2-74, Cl. 136-109.000.
Spelman, Dennis Gerald; Kent, Bromley; and Jones, David Thomas, to Viscose Development Company, Limited. Tamper proof secondary closure device. 3,827,591, 8-6-74, Cl. 215-7.000.
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Spence, John R., to North American Rockwell Corporation. Multiplexing system for address decode logic. 3,806,880, 4-23-74, Cl. 340-172.500.
Spence, Mack L. Method and apparatus for automatic ranging with variable power telescopic gun sight. 3,782,822, 1-1-74, Cl. 356-21.000.
Spence, Thomas William Matches, to Procter & Gamble Company, The. Novel ammoniophenolate compounds. 3,809,646, 5-7-74, Cl. 252-8.800.
Spence, Wendell, to National Cash Register Company, The. Stored charge transducer. 3,786,495, 1-15-74, Cl. 340-365.00c.
Spence, William George. Individual vehicle wheel drive and suspension assembly. 3,822,757, 7-9-74, Cl. 180-43.00a.
Spencer, Alexander; and Spicer, Leonard Alfred, to Gestetner Limited. Lithographic printing. 3,803,070, 4-9-74, Cl. 260-29.650.
Spencer, Bruce G., Jr., to Governor, Woodward, Company. Motor control apparatus with Geneve-type switch actuating mechanism. 3,832,617, 8-27-74, Cl. 318-673.000.
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Spencer, David R., to EG & G, Inc. Apparatus and method for transmitting a bandwidth compressed digital signal representation of a visible image. 3,830,964, 8-20-74, Cl. 178-6.000.
Spencer, Davis. Pin forming and inserting machine. 3,829,949, 8-20-74, Cl. 29-203.00b.
Spencer, Denzil Reginald Frank; and Wooldridge, David Clifford, to Steetley (Mfg) Limited. Refractory magnesia. 3,808,014, 4-30-74, Cl. 106-57.000.
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Spencer, Grover C., to Monitor Manufacturing Co. Support bracket for refuse containers. 3,838,839, 10-1-74, Cl. 248-99.000.
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Spencer, Harvey J., to Paper Converting Machine Company, Inc. Machine and method for winding. 3,844,501, 10-29-74, Cl. 242-56.00a.
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Spencer, James M., Jr., to Sperry Rand Corporation. Cathode ray tube high speed electromagnetic deflection system. 3,816,792, 6-11-74, Cl. 315-27.0td.
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Spencer, Lloyd. Continous tube trickle irrigator. 3,797,754, 3-19-74, Cl. 239-542.000.
Spencer, Louis L. Firearm chamber lubricating and cleaning device. 3,814,525, 6-4-74, Cl. 401-190.000.
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Spencer, Owen C. U-frame scaffolding assembly. 3,817,347, 6-18-74, Cl. 182-115.000.
Spencer, Owen C., to Metropolitan Chicago Baptist Association, S.B.C. Apparatus for carrying construction materials. 3,830,380, 8-20-74, Cl. 214-10.50e.
Spencer, Owen C., to Metropolitan Chicago Baptist Association S.B.C. Apparatus and method for constructing reinforcements for concrete columns. 3,838,484, 10-1-74, Cl. 29-155.00c.
Spencer, Paul R., to Xerox Corporation. Control arrangement for transfer roll power supply. 3,837,741, 9-24-74, Cl. 355-3.00r.
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Spencer-Foote, Ronald, 1/3 to Curran, James J. and 1/3 to O'Connell, Robert J. Bandage shock absorbers for safety helmets. 3,806,950, 4-30-74, Cl. 2-3.00r.
Spencer-Foote, Ronald. Multipurpose implement for performing destructive operations. 3,837,023, 9-24-74, Cl. 7-8.10r.
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Spengler, Ernst M. Blank punching method and apparatus. 3,800,641, 4-2-74, Cl. 83-50.000.
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Spengler, Ernst Maximilian, to Stanzlechnik GmbH Roeder & Spengler. Punching apparatus. 3,813,978, 6-4-74, Cl. 83-401.000.
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Spicer, Denis F.; and Rodger, Andrew C., to Texas Instruments Incorporated. Manufacture of masks. 3,855,023, 12-17-74, Cl. 156-11.000.

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Spicer, John J. Mobile leaf pulverizer. 3,790,094, 2-5-74, Cl. 241-101.100.

Spicer, Larry Dean; and Hand, John James, to American Cyanamid Company. Method of using substituted imidazo[2,1-b]-thiazoles as anthalmintic agents. 3,792,166, 2-12-74, Cl. 424-270.000.

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Spiegel, Bernt, to Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH. Braking sail for skiers. 3,830,512, 8-20-74, Cl. 280-11.37s.

Spiegel, Gerald M., Jr.: *See*—
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Spiegel, Norman, to Nasta Industries, Inc. Moving figure toy roundabout. 3,854,716, 12-17-74, Cl. 272-31.00r.

Spiegel, Ray W.; Wassilak, Chester W.; and Corn, Adolph D., to Whirlpool Corporation. Rotary handle door latch for dishwashers. 3,854,762, 12-17-74, Cl. 292-197.000.

Spiegel, Richard G. Shipping and display carton and blank therefor. 3,829,006, 8-13-74, Cl. 229-51.0ts.

Spiegel, Robert M., to Trygon Electronics Inc. Power supply with nonlinear foldback current limiter circuit. 3,801,894, 4-2-74, Cl. 323-91.000.

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Spielberg, David H.; Janowski, Kenneth R.; and Levesque, Charles J., to Universal Oil Products Company. Sintering process for metallizing non-metal substrates. 3,844,830, 10-29-74, Cl. 117-160.00r.

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Spierings, Ferdinand Hubert Franciscus Gerardus. Hall-voltage device. 3,823,333, 7-9-74, Cl. 310-11.000.

Spiertz, Elisabeth Jacoba; and Van Beek, Leendert Klaas Hellinga, to U.S. Philips Corporation. Photosensitive material. 3,802,886, 4-9-74, Cl. 96-75.000.

Spies, Anton; Stephan, Alfred; and Sellmaier, Alfons, deceased (by Sellmaier, Anne-Rose, co-heir), to Linde Aktiengesellschaft. Closed refrigerant cycle for the liquefaction of low-boiling gases. 3,828,564, 8-13-74, Cl. 62-9.000.

Spies, George R.: *See*—
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Spies, Harvey A., to Maryland Cup Corporation. Apparartus for handling and transporting cylindrical articles and the like. 3,831,732, 8-27-74, Cl. 198-20.00r.

Spies, Henry J. Dispensing device. 3,815,787, 6-11-74, Cl. 222-92.000.

Spies, Klaus, to Bochumer Eisenhutte Heintzmann & Co. Lining for underground excavations. 3,854,293, 12-17-74, Cl. 61-45.00d.

Spiess, C. F., & Sohn: *See*—
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Spietschka, Ernst; and Ische, Friedrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thiophenyl-substituted quinophthalone dispersion dyestuffs. 3,823,147, 7-9-74, Cl. 260-283.00s.

Spietschka, Ernst; and Landler, Josef, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing compounds of the benzothioxanthene series. 3,828,072, 8-6-74, Cl. 260-328.000.

Spigerverk, Christiana: *See*—
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Spight, James S.: *See*—
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Spillane, Leo J.; Alexander, Stephen H.; and Bramble, Reba H., to Gulf States Asphalt Co. Inc. Method of joining and sealing asphalt planks for a reservoir or the like. 3,849,229, 11-19-74, Cl. 156-304.000.

Spiller, Lester L. Electrostatic spraying of thermosetting acrylic solution coating compositions modified to include thixotropic agent. 3,796,590, 3-12-74, Cl. 117-93.40r.

Spiller, Lester L., to Ransburg Electro-Coating Corporation. Modification of clay to improve electrostatic deposition. 3,833,467, 9-3-74, Cl. 162-181.00d.

Spiller, Rex S., to Spiller Spring Company. Shipping containers. 3,797,654, 3-19-74, Cl. 206-326.000.

Spiller, Richard; Moser, Gottfried; and Berthold, Walter, to Klockner-Humboldt-Deutz Aktiengesellschaft. Motor vehicle with two driving units, especially for agricultural purposes. 3,810,513, 5-14-74, Cl. 172-114.000.

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Spillmann, Werner; Christ, Alfred; Lehmann, Rolf; and Muehle, Erwin, to Escher Wyss Limited. Controlled deflection roll. 3,802,044, 4-9-74, Cl. 29-113.0ad.

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Spincic, Johann: *See*—
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Spindle, Harvey E.; Meyer, Jeffry R.; and Hess, Robert L., to Westinghouse Electric Corporation. Gas insulated switch with adjustable overcenter toggle actuator therefore. 3,794,799, 2-26-74, Cl. 200-153.00g.

Spindler, Robert G., to PPG Industries, Inc. Temperature sensor. 3,789,191, 1-29-74, Cl. 338-24.000.

Spindler, Robert G., to PPG Industries, Inc. Electrically heated window with a temperature sensor. 3,789,192, 1-29-74, Cl. 219-522.000.

Spindt, Charles A.; Shoulders, Kenneth R.; and Heynick, Louis N., to Stanford Research Institute. Field emission cathode structures, devices utilizing such structures, and methods of producing such structures. 3,789,471, 2-5-74, Cl. 29-25.170.

Spindt, Charles A.; and Heynick, Louis N., to Stanford Research Institute. Methods of producing field ionizer and field emission cathode structures. 3,812,559, 5-28-74, Cl. 29-25.180.

Spinella, S. Charles. Dental articulator trays. 3,808,689, 5-7-74, Cl. 32-32.000.

Spinelli, John; and Koury, Barbara Jean, to United States of America, Commerce. Preparation of functional fish protein concentrates and isolates. 3,826,848, 7-30-74, Cl. 426-7.000.

Spinello, Joseph A.: *See*—
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Spinello, Ronald P. Dental mirror apparatus for holding expendable demisting sleeves. 3,826,005, 7-30-74, Cl. 32-69.000.

Spink, John: *See*—
Kaestner, Erwin A.; and Spink, John, 3,819,329.

Spink, Robert w., to Cutler-Hammer, Inc. Controlled rectifier systems and flexible gate pulse control circuits therefor. 3,824,444, 7-16-74, Cl. 321-5.000.

Spinks, Chester I. Hydraulic drive apparatus. 3,808,813, 5-7-75, Cl. 60-486.000.

Spinks, Heyward Taylor: *See*—
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Spinks, Ralph William, to Girling Limited. Vehicle suspension units. 3,811,664, 5-21-74, Cl. 267-66.000.

Spinner, Georg. Plug fitting for HF transmission lines. 3,786,377, 1-15-74, Cl. 333-98.00r.

Spinner, Georg. Coaxial cables. 3,792,419, 2-12-74, Cl. 339-177.00r.

Spinner, Georg. Coaxial plug connector. 3,818,120, 6-18-74, Cl. 174-75.00c.

Spinner, George. HF coaxial plug connector. 3,829,800, 8-13-74, Cl. 333-97.00r.

Spinner GmbH Elecktrotechnische Fabrik: *See*—
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Spinner Osakeyhtio: *See*—
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Spinner, Robert E. Data communication system. 3,792,444, 2-12-74, Cl. 340-172.500.

Spinner, Walter: *See*—
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Spinnett, Raymond G. Rotary converters having specialized interleaving elements. 3,843,284, 10-22-74, Cl. 418-191.000.

Spinning Pipe Service, Inc.: *See*—
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Spino, Robert E.: *See*—
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Spinosa, Dom; Riely, Phyllis; and Hodgson, Fred, to East/West Medical Products, Inc., mesne. Retaining catheter. 3,815,608, 6-11-74, Cl. 128-349.00r.

Spinosa, Dom; and Varga, John M., to East/West Medical Products, Inc., mesne. Medical cassette pump. 3,841,799, 10-15-74, Cl. 417-477.000.

Spinosa, Dominic: *See*—
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Spira, Joel S.; and Licata, Joseph, to Lutron Electronics Co., Inc. High frequency fluorescent tube lighting circuit and A-C driving circuit therefor. 3,824,428, 7-16-74, Cl. 315-105.000.

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Spirax Sarco Limited: *See*—
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Spiri, Willy H., to Cavins Co., The. Well slip assembly. 3,846,877, 11-12-74, Cl. 24-263.0ca.

Spiridonov, Konstantin Alexeevich: *See*—
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Spiringer, Arthur James, to Porter, H. K., Company, Inc. Adjustable rail support. 3,826,881, 7-30-74, Cl. 191-32.000.

Spiro, Irving. Elastic exercise belt. 3,819,177, 6-25-74, Cl. 272-82.000.

Spiroff, Carl M., 20% to Fenlon, Joseph A., Jr. Angiographic and arteriographic catherters. 3,828,767, 8-13-74, Cl. 128-2.050.

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Spisak, Andrew J.; and Dillman, Thayer L., to Westinghouse Electric Corporation. Rectifier assembly for brushless excitation systems. 3,852,628, 12-3-74, Cl. 310-68.00d.

Spisak, Edward G., to S&S Product Engineering Service, Inc. Hub cap for molded vehicle wheel. 3,823,982, 7-16-74, Cl. 301-37.00p.

Spisak, Steve, to TRW Inc., mesne. Stud welding tool and stud loading device therefor. 3,792,223, 2-12-74, Cl. 219-98.000.

Spisak, Steve, to TRW Inc. Welding tool. 3,809,849, 5-7-74, Cl. 219-98.000.

Spitahny, Arnold; Breitbart, George; and Sporn, Stanley R., to Atron Industries, Inc. Remote condition monitoring device. 3,787,624, 1-22-74, Cl. 179-2.00a.

Spitalnik, Robert, to U.S. Philips Corporation. Microwave oscillator. 3,824,489, 7-16-74, Cl. 331-107.00r.

Spiteri, Joseph, to Rem Research, Inc. Ballast circuit for a plurality of lamps. 3,828,221, 8-6-74, Cl. 315-161.000.

Spitz, David A., to Industrial Nucleonics Corporation. Refiner network controller. 3,822,828, 7-9-74, Cl. 241-33.000.

Spitz, Erich: *See—*
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Ostrowsky, Daniel B.; and Spitz, Erich, 3,789,318.

Spitz, Erich; and Bismuth, Guy, to Thomson-CSF. Small-sized optical correlator. 3,785,736, 1-15-74, Cl. 356-71.000.

Spitz, Erich; Leiba, Eugene; and Assouline, Georges, to Thomson-CSF. Image intensifiers. 3,798,452, 3-19-74, Cl. 250-213.00r.

Spitz, Jean; and Viguie, Jean-Claude, to Commissariat a l'Energie Atomique. Method for the preparation of thin films by ultra-sonically vaporing solutions into an aerosol. 3,840,391, 10-8-74, Cl. 117-106.00r.

Spitz, Leonard, to Advertisers Display & Exhibits, Inc. Advertising and promotional display apparatus. 3,823,500, 7-16-74, Cl. 40-219.000.

Spitz, Melvin P. Connection device for adjustable bedframe. 3,781,930, 1-1-74, Cl. 5-201.000.

Spitz, William R.: *See—*
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Spitzer, James Edward: *See—*
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Spivack, John D.: *See—*
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Dexter, Martin; Spivack, John D.; and Steinberg, David Herbert, 3,839,278.

Spivack, John D., to Ciba-Geigy Corporation. Metal complexes of n,n-dialkylesters of ethylenedinitrilo-tetraacetic acid stabilizers for polymers. 3,821,163, 6-28-74, Cl. 260-45.75r.

Spivack, John D.; and Klemchuk, Peter P., to Ciba-Geigy Corporation. Light stabilized polyolefin compositions. 3,839,277, 10-1-74, Cl. 260-45.75n.

Spivack, John Denon: *See—*
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Spivack, Mark A.; Stewart, Donald D.; and Tutman, Frederick R., to Union Carbide Corporation. Diffusion membranes of controlled permeability, apparatus and process. 3,830,733, 8-20-74, Cl. 210-22.000.

Spivey, Allen. Spray gun. 3,840,184, 10-8-74, Cl. 239-415.000.

Spivy, Paul L.: *See—*
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Splakman, Eugene R., to McDonnell Douglas Corporation. Ring pad stress coining tooling. 3,803,898, 4-16-74, Cl. 72-416.000.

Splan, Robert E. Fluid substance dispenser. 3,837,533, 9-24-74, Cl. 222-94.000.

Splitt, Theodore B.: *See—*
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Spodig, Heinrich. Apparatus for magnetically suppressing oscillations. 3,829,805, 8-13-74, Cl. 335-289.000.

Spoelman, Leonard A., to Westinghouse Electric Corporation. Circuit interrupter comprising electromagnetic opening means. 3,815,059, 6-4-74, Cl. 335-16.000.

Spoerle, F. Steven; and Palmer, Elmer W., to Nalco Chemical Company. Latices for industrial waste coagulation. 3,790,476, 2-5-74, Cl. 210-47.000.

SPOFA, United Pharmaceutical Works: *See—*
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Jilek, Jiri; Protiva, Miroslav; Metysova, Jirina; and Pomykacek, Josef, 3,830,814.

Spofford, Walter R., Jr., to Analog Devices, Incorporated. High resolution monolithic digital-to-analog converter. 3,842,412, 10-15-74, Cl. 340-347.0da.

Spohr, Albert R.: *See—*
Gallanis, George P.; and Spohr, Albert R., 3,783,364.
Waters, Robert S.; and Spohr, Albert R., 3,815,614.

Spohr, Guenter. Method and apparatus for treating sludge. 3,847,808, 11-12-74, Cl. 210-66.000.

Spoida, Hagen; and Wohlfart, Kurt, to Rowenta-Werke GmbH. Brush devices. 3,805,425, 4-23-74, Cl. 38-69.000.

Spokas, John J., to United States of America, Atomic Energy Commission. Vibrating fiber electrometer. 3,851,248, 11-26-74, Cl. 324-109.000.

Spolek Pro Chemickou a Hutni Vyrobu: *See—*
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Spon, Carroll V., to Keystone Consolidated Industries, Inc. Universal key lock, privacy latch and door knob. 3,823,585, 7-16-74, Cl. 70-146.000.

Sponaas, Richard M.: *See—*
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Spong, Frederick W. Pipetting device. 3,830,108, 8-20-74, Cl. 73-425.600.

Sponholz, Richard: *See—*
Riethmuller, Lothar H.; Sponholz, Richard; Kiefer, Hans; and Spreitzhofer, Ernst, 3,828,259.

Sponholz, Richard; and Kiefer, Hans, to Bodenseewerk Perkin-Elmer & Co., GmbH. Circuit arrangement for automatic zero level compensation. 3,824,481, 7-16-74, Cl. 328-162.000.

Sponseller, David L.: *See—*
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Morrow, Hugh, III; and Sponseller, David L., 3,854,941.

Sponseller, Harold P., to Owens-Illinois, Inc. Precision glass pressing mold and method of molding glass. 3,796,557, 3-12-74, Cl. 65-77.000.

Sponseller, Robert Lee: *See—*
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Sponseller, Trent A.: *See—*
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Spontelli, Leonard P., to Crawford Fitting Company. Apparatus for testing swaged ferrules. 3,786,677, 1-22-74, Cl. 73-88.00r.

Spontelli, Leonard P., to Crawford Fitting Company. Method of swaging and testing ferrules. 3,810,296, 5-14-74, Cl. 29-407.000.

Spooner, Archer Michael: *See—*
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Spooner, Robert E. Shaft position and wear indicator switch device. 3,783,210, 1-1-74, Cl. 200-61.400.

Spooner, Robert J., to Cashin Systems Corporation. Apparatus for stacking and weighing sliced food products. 3,835,742, 9-17-74, Cl. 83-77.000.

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Spoor, Herbert: *See—*
Kempter, Fritz Erdmann; and Spoor, Herbert, 3,830,782.

Sporck, Christian R., to National Semiconductor Corporation. Molding composition and molded product. 3,838,094, 9-24-74, Cl. 260-37.0ep.

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Sporre, Sten Ragnar, to Forsheda Ideutveckling AB. Method of forming pipes. 3,836,622, 9-17-74, Cl. 264-249.000.

Sporrer, Ludwig: *See—*
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Spot-O-Gold Corporation: *See—*
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Sprague & Henwood, Incorporated: *See—*
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Sprague, Brinton. Abrasive recovery system. 3,790,007, 2-5-74, Cl. 214-17.00d.

Sprague, Dennis R.: *See—*
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Sprague, Ernest H., to Olin Corporation. Removal of odors from impure sulfuric acid. 3,817,738, 6-18-74, Cl. 71-40.000.

Sprague, Ernest H., to Olin Corporation. Removal of available chlorine from alkali metal chlorate-chloride solution and production of chlorin dioxide from said solution. 3,823,225, 7-9-74, Cl. 423-478.000.

Sprague, Gordon P.: *See—*
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Sprague, Gordon V., Jr.: *See—*
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Sprague, Hallie W.; and Sprague, James R. Tool for adjustably repositioning a camber/caster adjusting bar. 3,830,467, 8-20-74, Cl. 254-1.000.

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Sprague, James M.; and Ziegler, Carl, to Merck & Co., Inc. N-Acyl and N-pyridylcarbonyl of sulfonyl mono-or di-substituted sulfamoylbenzenesulfonamides. 3,828,054, 8-6-74, Cl. 260-294.80f.

Sprague, James R.: *See—*
Sprague, Hallie W.; and Sprague, James R., 3,830,467.

Sprague, Richard Galen: *See—*
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Sprague, Robert A., to Itek Corporation. Optical device for measuring surface roughness. 3,804,521, 4-16-74, Cl. 356-109.000.

Sprague, Roland E., to Sperry Rand Corporation. Fuser low voltage sensor for photocopy machine. 3,783,235, 1-1-74, Cl. 219-216.000.

Sprague, Stephen B. Device for insulating material holding adjacent lengths of semi-rigid electrical conductors joined. 3,813,480, 5-28-74, Cl. 174-92.000.

Sprague-Goodman Electronics, Inc.: *See—*
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Sprain, Edward F. Combustion engine apparatus having compression cylinders and power cylinders. 3,811,271, 5-21-74, Cl. 60-39.600.

Spraker, Lester L. Roller chain breaker. 3,816,900, 6-18-74, Cl. 29-267.000.

Sprang, Richard W.: *See—*
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Spransy, Brower C.; Harper, Norman G.; and Steele, Joseph Clayton. Guard for paint applicator. 3,790,984, 2-12-74, Cl. 15-248.00a.

Spratlen, James H. Trailer attachment. 3,791,676, 2-12-74, Cl. 280-475.000.

Spratt, Richard J. Balanced fork lift truck. 3,814,272, 6-4-74, Cl. 214-660.000.

Sprauer, Jerome William, to Du Pont de Nemours, E. I., and Company. Room temperature soluble melt-condensed polyamide interpolymers. 3,784,495, 1-8-74, Cl. 260-18.00n.

Sprauer, Jerome William, to Du Pont de Nemours, E. I., and Company. Melt-condensed polyamide interpolymers. 3,852,226, 12-3-74, Cl. 260-18.00n.

Spray Engineering Company: *See—*
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Spray Steelmaking Ltd.: *See—*
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Spray-A-Matic Products, Inc.: *See—*
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Spraying Systems Co.: *See—*
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Spraymould (Bahamas) Limited: *See—*
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Sprecher, Raymond G., to General Motors Corporation. Vehicle occupant restraint belt retractor. 3,851,836, 12-3-74, Cl. 242-107.700.

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Spreckelmeyer, Bernhard; Hinsche, Friedrich; and Schabach, Werner, to Bayer Aktiengesellschaft. Production of synthetic anhydrite. 3,834,917, 9-10-74, Cl. 106-109.000.

Spreckelmeyer, Bernhard W., to Kennecott Copper Corporation. Process for chlorinating copper sulfide minerals. 3,832,440, 8-27-74, Cl. 423-40.000.

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Sprengling, Gerhard R.: *See—*
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Springer, Charles H. Apparatus for producing a laterally directed spray of fluid. 3,782,641, 1-1-74, Cl. 239-598.000.

Springer, Earl W. Automatic reset system for altitude encoding. 3,815,419, 6-11-74, Cl. 73-384.000.

Springer, Earl W. Altitude encoder system with foot marker reset. 3,815,420, 6-11-74, Cl. 73-384.000.

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Springer, Howard D.: *See—*
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Springer, Joseph E. Quick release stopper rod for steel mill ladle. 3,848,781, 11-19-74, Cl. 222-559.000.

Springer, Lamar D.; Mullendore, David L.; and Marcum, Alfred L., Jr., to Price Brothers Company. Method and apparatus for controlling bevel wrapping mechanism. 3,820,729, 6-28-74, Cl. 242-7.210.

Springer, Mary Lou; and Borom, Lisle K. Pet carrier. 3,850,144, 11-26-74, Cl. 119-19.000.

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Sprinkle, Leland W., to United States of America, Interior. Audio-visual presentation system. 3,809,467, 5-7-74, Cl. 353-15.000.
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Spurgeon, Richard C. Texturing yarns by false twisting. 3,782,091, 1-1-74, Cl. 57-34.0hs.
Spurr, Robert, to Notifier Company. Flow controlled switch operated by a pivotal shaft. 3,845,259, 10-29-74, Cl. 200-81.90r.
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Stack, Roy E., to PPG Industries, Inc. Process for polymerizing vinyl chloride. 3,812,086, 5-21-74, Cl. 260-87.100.
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Stadelman, Raymond J.: *See*—
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Stadler, Paul; Stutz, Peter; and Guttmann, Stephan, to Sandoz Ltd., a/k/a Sandoz AG. Process for preparing ergot alkaloids. 3,846,433, 11-5-74, Cl. 260-285.500.
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Staehlin, John H.; and Meyer, William J., to United States of America, Air Force. Positive tri-position linear actuator. 3,791,262, 2-12-74, Cl. 92-52.000.
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Staendeke, Horst; and Klose, Werner, to Knapsack Aktiengesellschaft. Process for the manufacture of dialkylphosphine oxides. 3,833,662, 9-3-74, Cl. 260-606.50p.
Staendeke, Horst, to Hoechst Aktiengesellschaft, mesne. Production of dialkylphosphines. 3,855,311, 12-17-74, Cl. 260-606.50p.
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Stafford, David C. Hidden maze puzzle contained ball. 3,787,054, 1-22-74, Cl. 273-109.000.
Stafford, Donald Claude; Burns, Gerald Edward; and McKenna, Kerry Charles, to Chicago Bridge & Iron Company. Offshore underwater storage tank. 3,824,942, 7-23-74, Cl. 114-.50t.
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Stafford, John P., to Honeywell Information Systems, Inc. Binary arithmetic, logical and shifter unit. 3,811,039, 5-14-74, Cl. 235-175.000.
Stafford, John P.; Cuccio, Allen B. J.; and Johnson, J. Arthur, to Honeywell Information Systems, Inc. Universal interface system using a controller to adapt to any connecting peripheral device. 3,828,325, 8-6-74, Cl. 340-172.500.
Stafford, John P.; Cuccio, Allen B. J.; and Johnson, J. Arthur, to Honeywell Information Systems, Inc. General purpose digital processor for terminal devices. 3,833,888, 9-3-74, Cl. 340-172.500.
Stafford, Larry O.; Wentworth, William P.; and Melead, James J., to Beloit Corporation. Metering bar. 3,785,340, 1-15-74, Cl. 118-101.000.
Stafford, Larry O., to Beloit Corporation. Flat film extrusion die. 3,836,313, 9-17-74, Cl. 425-463.000.
Stafford, Lawrence R. Rope grab assembly. 3,811,155, 5-21-74, Cl. 24-126.00r.
Stafford, Milton C. Low speed high torque rotary drive for turning a furnace vessel or the like. 3,802,320, 4-9-74, Cl. 91-411.00r.
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Stahel, Alwin J., II; and Nelson, Terry N., to Salm, Arthur, Inc. Foldable implement and method of manufacture thereof. 3,832,775, 9-3-74, Cl. 30-152.000.
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Stahle, Helmut; Koppe, Herbert; Summer, Werner; and Hoefke, Wolfgang, to Boehringer Ingelheim GmbH. 2-Phenylimino-imidazolidines their 2-anilino-2-imidazoline tautomers and salts thereof. 3,804,833, 4-16-74, Cl. 260-253.000.
Stahle, Helmut; Koppe, Herbert; Kummer, Werner; and Hoefke, Wolfgang, to Boehringer Ingelheim GmbH. 2,3-Dihydro-oxo-imidazo(1,2-a)pyrimidines and salts. 3,816,422, 6-11-74, Cl. 260-256.40f.
Stahle, Helmut; Koppe, Herbert; Zeile, Karl; Hoefke, Wolfgang; and Samtleben, Hans-Wolfgang, to Boehringer Ingelheim G.m.b.H. Hypotensive pharmaceutical compositions containing certain 2-anilino-1,3-diazacyclopentenes-(2). 3,818,094, 6-18-74, Cl. 424-273.00.

Stahle, Helmut; Koppe, Herbert; Kummer, Werner; and Wick, Helmut, to Boehringer Ingelheim G.m.b.H. 2-(N-substituted-phenylamino)imidazolines-(2). 3,850,926, 11-26-74, Cl. 260-253.000.
Stahle, Karl, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Fluid operated automatic wear take-up adjusting device for electromagnetic, spring loaded, friction engaging mechanism. 3,833,102, 9-3-74, Cl. 192-111.00a.
Stahle, Karl, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Electromagnetic, spring loaded friction engaging mechanism with flux gap limiting means. 3,833,103, 9-3-74, Cl. 192-111.00a.
Stahle, Kurt, to Concordia Maschinen- und Elektrizitats-GmbH. Device for monitoring control elements. 3,815,057, 6-4-74, Cl. 335-1.000.
Stahlecker, Fritz, to Spindelfabrik Suessen, Schurr, Stahlecker & Grill G.m.b.H. Spindle for spinning or twisting machines. 3,782,100, 1-1-74, Cl. 57-135.000.
Stahlecker, Fritz, to Stahlecker, Wilhelm, G.m.b.H. Spinning turbine. 3,797,962, 3-19-74, Cl. 415-169.000.
Stahlecker, Fritz, to Stahlecker, Wilhelm, GmbH. Drive mechanism for opening rollers. 3,802,176, 4-9-74, Cl. 57-105.000.
Stahlecker, Fritz, to Stahlecker, Wilhelm, GmbH. Mounting for spinning turbines. 3,805,506, 4-23-74, Cl. 57-78.000.
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Stahlecker, Fritz, to Stahlecker, Wilhelm, GmbH. Spinning turbine. 3,837,154, 9-24-74, Cl. 57-58.890.
Stahlecker, Fritz, to Stahlecker, Wilhelm, G.m.b.H. Bearing unit for open-end spinning turbines. 3,838,560, 10-1-74, Cl. 57-58.890.
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Staib, Estel G., 25% to Head & Johnson. Atmospheric pollution control system for an internal combustion engine. 3,817,222, 6-18-74, Cl. 123-25.00f.
Staifer, Earl Franklin. Appliance storage apparatus. 3,814,366, 6-4-74, Cl. 248-286.000.
Staiger, Bruno, to International Standard Electric Corporation. Automatic wiring system. 3,807,019, 4-30-74, Cl. 29-203.00b.
Stain, S. Douglas, Jr.; Liu, Gordon Y. T.; and Hutchinson, Lloyd B., to Dow Chemical Company, The. Incorporation of reinforcing fibers into olefin polymers. 3,857,813, 12-31-74, Cl. 260-42.180.
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Stalder, Otto, to Establissement Temova. Waist support and hip girdle. 3,783,879, 1-8-74, Cl. 128-570.000.
Stalego, Charles J., to Owens-Corning Fiberglas Corporation. Method and apparatus for processing glass and controlling the thermal pattern in a stream feeder. 3,810,741, 5-14-74, Cl. 65-2.000.
Stalego, Charles J., to Owens-Corning Fiberglas Corporation. Apparatus for producing fibrous material. 3,836,346, 9-17-74, Cl. 65-1.000.
Stalego, Joseph P., to Owens-Corning Fiberglas Corporation. High temperature insulation-binder compositions. 3,846,225, 11-5-74, Cl. 161-175.000.
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Staley, John, to G&G Industries, Inc. Tandem compacting and molding apparatus with continuous inverted flask removal. 3,840,063, 10-8-74, Cl. 164-194.000.
Stalfors, Rolf Lennart, to AB Bofors. Device for determining the angle between two directions. 3,824,019, 7-16-74, Cl. 356-145.000.
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Stalker, Edward A., to Stalker Corporation, The. Axial flow compressor. 3,846,039, 11-5-74, Cl. 415-206.000.
Stalker, Gerald C.; and Pearce, Roscoe L., to Dow Chemical Company, The. Purification of oxygenated organic compounds. 3,846,450, 11-5-74, Cl. 260-340.200.
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Stalter, Neil J., to Du Pont de Nemours, E. I., and Company. Stabilized hydrogen peroxide compositions containing ammonium ions, and process for bleaching therewith. 3,811,833, 5-21-74, Cl. 8-111.000.
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Stambera, Adolf; and Schmid, Eberhard. Weighing and price calculating device. 3,851,151, 11-26-74, Cl. 235-61.90r.
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Stang, Karl H., to General Motors Corporation. Sewing machine apparatus. 3,855,955, 12-24-74, Cl. 112-152.000.

Stang, Louis G., Jr.: *See—*
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Stange, Klaus K., to Xerox Corporation. Pneumatic stripping apparatus. 3,804,401, 4-16-74, Cl. 271-80.000.

Stange, Klaus K., to Xerox Corporation. Donor apparatus. 3,848,566, 11-19-74, Cl. 118-637.000.

Stangel, Frank J., to Fingerhut Corporation. Marketing device. 3,856,115, 12-24-74, Cl. 186-1.00r.

Stangeland, Bruce E.; and Egan, Clark J., to Chevron Research Company. Production of stable lubricating oils by sequential hydrocracking and hydrogenation. 3,852,207, 12-3-74, Cl. 208-58.000.

Stangl, Helmut: *See—*
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Staniland, Philip Anthony; and Jarrett, Graham, to Imperial Chemical Industries, Limited. Aromatic poly sulfones. 3,787,363, 1-22-74, Cl. 260-49.000.

Stanislav, Krmela; and Klinecky, Ladislav, to Zbrojovka Vsetin, Narodni podnik and Vyzkumny ustav Lykovych Vlaken. Yarn feeding device for textile machines. 3,799,212, 3-26-74, Cl. 139-122.00r.

Stanislawski, Melvern B.; and McKinney, Daniel F. Adjustable bowstring release for archery bow. 3,853,111, 12-10-74, Cl. 124-35.000.

Stankard, Donald Rider; and Wilson, Thomas William, to English Calico Limited. Printing web materials. 3,801,275, 4-2-74, Cl. 8-149.000.

Stanke, Walter; Wortberg, Werner; and Fuckert, Karl Otto, to Heinrich Koppers Gesellschaft mit beschrankter Haftung. Apparatus

for cleaning the ascension pipes of coke ovens. 3,841,977, 10-15-74, Cl. 202-241.000.

Stankevich, Ljudmila Ivanovna: *See—*
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Stankewitz, Hans-Werner, to Leitz, Ernst, GmbH. Illumination equipment for microscopes. 3,833,283, 9-3-74, Cl. 350-87.000.

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Stanley, Gerald R., to International Radio & Electronics Corporation. High power bridge audio amplifier. 3,808,545, 4-30-74, Cl. 330-30.00r.

Stanley, James M., to Multi-Systems, Inc. Apparatus for fabricating a structural frame in horizontal position. 3,820,704, 6-28-74, Cl. 227-110.000.

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Stanley, Michael Richard; and Kimes, Lucas James, to Boeing Company, The. Aircraft engine installation. 3,848,832, 11-19-74, Cl. 244-54.000.

Stanley, Raymond Eric: *See—*
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Stanley, Robert K., to Textured Yarn Co., Inc., mesne. Method and apparatus for compressively crimping textile strands. 3,781,951, 1-1-74, Cl. 28-1.600.

Stanley, Robert K. Textile treatment method and apparatus. 3,781,952, 1-1-74, Cl. 28-1.600.

Stanley, Robert K., to Textured Yarn Co., Inc. Strand treatment. 3,826,438, 7-30-74, Cl. 242-45.000.

Stanley, Robert K., to Textured Yarn Co., Inc., mesne. Strand treatment apparatus. 3,830,421, 8-20-74, Cl. 226-97.000.

Stanley, Robert K. Draw crimping textile film strands. 3,835,513, 9-17-74, Cl. 28-72.140.

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Stanley, Robert Kenneth. Textile treatment method. 3,808,654, 5-7-74, Cl. 28-72.140.

Stanley, Robert M., to Stanley Aviation Corporation. Rocket escape apparatus. 3,847,329, 11-12-74, Cl. 244-122.0ad.

Stanley, Russell A., to Babcock & Wilcox Company, The. Industrial technique. 3,851,603, 12-3-74, Cl. 110-56.000.

Stanley, Thomas Osborne, to RCA Corporation. High-density capacitive information records and playback apparatus therefor. 3,783,196, 1-1-74, Cl. 179-100.10b.

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Burgeson, Oscar Burge, 3,792,725.
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Stansbury, Benjamin H.; and Holmes, Frank A., to Jaybee Manufacturing Corporation. Springless self-latching hinge. 3,822,440, 7-9-74, Cl. 16-142.000.

Stansbury, Patrick H., to ASC Industries, Inc. Belling and handling apparatus for plastic pipe. 3,852,015, 12-3-74, Cl. 425-392.000.

Stansbury, Patrick H. Bell and spigot PVC pipe joint. 3,856,315, 12-24-74, Cl. 277-188.000.

Stansbury, Thomas A. Hydraulic jet stern steering control. 3,854,437, 12-17-74, Cl. 115-12.00r.

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Stapfer, Christian H.; and Racz, William B., to Cincinnati Milacron Chemicals, Inc. Novel silicate containing stabilizers and rigid halogen-contaoning resin compositions stabilized therewith. 3,830,751, 8-20-74, Cl. 252-400.00r.
Stapfer, Christian H., to Cincinnati Milacron Chemicals, Inc. Organotin mercaptocarboxylates. 3,846,459, 11-5-74, Cl. 260-429.700.
Stapleford, Stuart H.; and Nutter, Charles E., to Owens-Corning Fiberglas Corporation. Method of producing a board of fibrous glass. 3,850,601, 11-26-74, Cl. 65-3.000.
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Staples, John, to Mitchel & King Skates Limited. Ice skates. 3,785,662, 1-15-74, Cl. 280-11.170.
Staples, John, to Mitchel & King Skates Limited. Hockey skate end cap. 3,814,453, 6-4-74, Cl. 280-11.170.
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Stapleton, Robert E.; and Hunter, Robert O., Jr., to United States of America, Atomic Energy Commission. Multisided electron beam excited electrically pumped gas laser systems. 3,818,375, 6-18-74, Cl. 331-94.500.
Stapleton, Thomas T.; and Farrar, Reed A., to General Motors Corporation. Method and apparatus for surface defect detection using detection of non-symmetrical patterns of non-specularly reflected light. 3,834,822, 9-10-74, Cl. 356-200.000.
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Starks, Charles M., to Continental Oil Company. Cuprous chloride as a catalyst for the reaction of an aldehyde with an olefin. 3,818,043, 6-18-74, Cl. 260-340.700.
Starks, Charles M.; Johnson, Morris A.; and Yang, Kang, to Continental Oil Company. Production of organic cyanides. 3,839,399, 10-1-74, Cl. 260-465.00r.
Starks, Charles M., to Continental Oil Company. Telomers from dichlorobutenes and vinyl chloride. 3,839,474, 10-1-74, Cl. 260-654.00r.
Starkweather, Howard W., Jr., to Du Pont de Nemours, E. I., and Company. Oriented polymer strip. 3,800,008, 3-26-74, Cl. 260-897.00b.
Starling, Benjamin F. Structural method and apparatus. 3,798,867, 3-26-74, Cl. 52-724.000.
Starling, Inc.: *See—*
Elwick, Keith D., 3,788,052.
Starmen, Harold A.; and Bruns, Eugene G., to Crown Controls Corporation. Motion selector device for a lift truck. 3,791,474, 2-12-74, Cl. 180-77.00h.
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Starns, Robert M.; and Witt, William W., said Witt assor. to said Starns, Robert M. Portable guitar chorder. 3,837,255, 9-24-74, Cl. 84-317.000.
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Staron, Philippe: *See—*
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Staron, Thadee Joseph, to Etablissement Public Institut National de la Recherche Agronomique. Process for improving the value of cakes of vegetable origin, notably to obtain proteins. 3,803,328, 4-9-74, Cl. 426-44.000.
Starostin, Jury Stepanovich; Plokhov, Viktor Ivanovich; Erokhov, Veniamin Kuzmich; Ivanov, Vladimir Prokopievich; Krotkov, Vladimir Nikolaevich; Anisimov, Albert Viktorovich; Ajupov, Rustem Nurievich; and Golovinov, Mikhail Fedortovich. Method of producingpipes with internal helical fins. 3,824,832, 7-23-74, Cl. 72-285.000.
Starr, Carrol Dean; and Wang, Teh Po, to Driver, Wilbur B., Company. Nickel-silicon-magnesium alloy. 3,820,983, 6-28-74, Cl. 75-170.000.
Starr Corporation, The: *See—*
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Starr, Donald G. Threaded pin-collar system with retention means. 3,805,863, 4-23-74, Cl. 151-2.00r.
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Starr, Fowler K. Support cushion for childrens and invalids seats. 3,788,699, 1-29-74, Cl. 297-390.000.
Starr, James E., to Vishay Intertechnology, Inc. Strain multiplier. 3,782,182, 1-1-74, Cl. 73-88.50r.
Starr, John R.; and Drennan, Arthur P., to Cotton, Incorporated. Primary backing for tufted carpets. 3,819,462, 6-25-74, Cl. 161-62.000.
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Starrett, Rupert M. Automatic key-selector key case. 3,827,263, 8-6-74, Cl. 70-456.00r.
Stars, William K., to Craftool Company, Inc., The. Shuttle for a hand loom. 3,812,887, 5-28-74, Cl. 139-29.000.
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Starzenski, Bruce R.; and Reitsema, Robert H., to Marathon Oil Company. Combined wulff process and coking process. 3,796,768, 3-12-74, Cl. 260-683.00r.

Stas, Bretislav; Dlouhy, Ludek; Siska, Lubomir; and Skrabis, Adolf, to Vedeckovyzkumny uhelny ustav. Arrangement for determination of the continuity of thickness and of structural-tectonic elements of mineable layers, particularly of coal seams. 3,858,167,12-31-74, Cl. 340-15.55w.

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Stasiuk, Michael, to Versatile Manufacturing Ltd. Power transmission device. 3,847,035, 11-12-74, Cl. 74-687.000.

Staskus, Edward J., to Krueger, W. A., Co. Shipping folder. 3,826,362, 7-30-74, Cl. 206-424.000.

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Stastny, Fritz; Gaeth, Rudolf; and Ikert, Boris, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of expanded ethylene polymers. 3,818,086, 6-18-74, Cl. 264-55.000.

Stastny, Fritz; Trieschmann, Hans-Georg; and Gaeth, Rudolf, to BASF Aktiengesellschaft. Production of chlorinated polyethylene foams. 3,819,543, 6-25-74, Cl. 260-2.5ha.

Stastny, Fritz; Gaeth, Rudolf; and Trieschmann, Hans-Georg. Production of expanded moldings of olefin polymers. 3,823,213, 7-9-74, Cl. 264-51.000.

Stastny, Fritz; Trieschmann, Hans Georg; Gaeth, Rudolf; and Koerner, Heinz-Hermann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Manufacture of resilient compound foams. 3,840,628, 10-8-74, Cl. 264-46.000.

Stastor, Richard A.: *See—*
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Miller, David T., 3,788,092.
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Stati, Wayne H.; and Boone, Jack L., to Dow Corning Corporation. Method of inhibiting blood clot on silicone rubber medical devices. 3,829,903, 8-20-74, Cl. 3-1.000.

Statkus, Frank D. Rotary internal-combustion engine. 3,855,977, 12-24-74, Cl. 123-43.00c.

Statler, Lowell E., 40% to Kovacs, Frank F. and 20% to Oldham, Edwin W. Leather and method of making it. 3,796,069, 3-12-74, Cl. 69-21.000.

Statler, Lowell E. Blackboard eraser. 3,797,061, 3-19-74, Cl. 15-223.000.

Statler, Richard L.: *See—*
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Statman, Max; and Page, Ralph E., Jr., to Eastman Kodak Company. Recovery of diethyl ether from an olefin hydration product stream by extractive distillation with water. 3,847,756, 11-12-74, Cl. 203-92.000.

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Statz, Robert G. Suspension system for snow vehicle. 3,799,625, 3-26-74, Cl. 305-24.000.

Staub, Alfred: *See—*
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Staub, Alfred, to Ciba-Geigy AG. Quaternary anthraquinone dyestuffs. 3,823,169, 7-9-74, Cl. 260-378.000.

Staub, Anthony F.; and Staub, Norman T. Photographic print marker. 3,844,253, 10-29-74, Cl. 118-242.000.

Staub, Charles H., Jr., to Mine Safety Appliances Company. Closed circuit breathing apparatus. 3,815,592, 6-11-74, Cl. 128-142.000.

Staub, David E.: *See—*
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Staub, David E.; and Foltz, Carl L., to Concept, Inc. Variable output nerve locator. 3,830,226, 8-20-74, Cl. 128-2.10r.

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Staubli Ltd.: *See—*
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Staudenrausch, Georg, to Handtmann, Albert, Metallgusswerk, Armaturen- und Fleischereimaschinenfabrik. Method and apparatus for regulating pumps. 3,809,500, 5-7-74, Cl. 417-222.000.

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Staudt, Heinrich; Hofmann, Eberhard; and Knorreck, Peter, to Bosch, Robert, G.m.b.H. Support and guide means for the fuel rack contained in a fuel injection pump. 3,804,559, 4-16-74, Cl. 417-499.000.

Staudt, Heinrich; Hofmann, Eberhard; and Djordjevic, Ilija, said Staudt and said Hofmann assors. to Bosch, Robert, G.m.b.H. Elastic rotary coupling for a centrifugal governor of an RPM regulator associated with an internal combustion engine. 3,841,111, 10-5-74, Cl. 64-27.0nm.

Staudt, Heinrich, to Bosch, Robert, G.m.b.H. Centrifugal RPM governor for fuel injected internal combustion engines. 3,847,127, 11-12-74, Cl. 123-140.00r.

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Stauffer, Harry C.; Titmus, Robert A.; and Murphy, James R., to Gulf Research & Development Company. Thermally stable jet fuel. 3,824,181, 7-16-74, Cl. 208-143.000.

Stauffer, John D.: *See—*
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Stauffer, Norman L., to Honeywell Inc. Multi-stylus through field recording head. 3,810,191, 5-7-74, Cl. 346-74.0mc.

Stauffer, Norman L., to Honeywell Inc. Detecting apparatus for determining when image is in focus. 3,836,772, 9-17-74, Cl. 250-204.000.

Stauffer, Norman L., to Honeywell Inc. Detecting apparatus for determining when image is in focus. 3,838,275, 9-24-74, Cl. 250-204.000.

Stauffer, Norman L., to Honeywell Inc. Sensitivity balancing apparatus for photo responsive detecting circuits. 3,846,629, 11-5-74, Cl. 250-201.000.

Stauffer, Norman L., to Honeywell Inc. Recording and playback apparatus. 3,846,830, 11-5-74, Cl. 360-56.000.

Stauffer, Reuben L.: *See—*
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Stauffer, Reuben L., to Bendix Corporation, The. Means for providing thermocouple failure detection in a multiple probe system. 3,829,849, 8-13-74, Cl. 340-248.00e.

Stauffer, Rita A. Hand saver. 3,800,361, 4-2-74, Cl. 16-116.000.

Stauffer, Rudolf, to Wyss, Samuel. Releasable heel hold down mechanism for ski bindings. 3,830,510, 8-20-74, Cl. 280-11.35t.

Stauffer, Thomas Arlo: *See—*
Tomisawa, Norio; Uchiyama, Yasuji; Okumura, Takatoshi; and Stauffer, Thomas Arlo, 3,844,379.

Stauffer-Wacker Silicone Corporation, mesne: *See—*
Lengnick, Guenther Fritz; and Pande, Kailash Chandra, 3,796,674.

Staut, Ronald; and Mortl, Gunther L., to General Refractories Company. Development of hot strength in synthetic magnesia refractories having high B_2O_3 content. 3,833,390, 9-3-74, Cl. 106-58.000.

Stauter, John C.: *See—*
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Stavenau, Harold L.: *See—*

Bates, Wayne C.; and Stavenau, Harold L., 3,796,009.
Stavenau, Harold L.; and Bates, Wayne C., to Truth Incorporated. Window hinge. 3,838,537, 10-1-74, Cl. 49-24.00p.
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Flower, Robert A.; Gamertsfelder, George R.; and Stavis, Gus, 3,838,924.
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Stavis, Gus, to Singer Company, The. Velocimeter with improved signal to noise ratio. 3,820,896, 6-28-74, Cl. 356-28.000.
Stavis, Gus; and Odell, Thomas W., to Singer Company, The, mesne. Missile guidance system. 3,844,506, 10-29-74, Cl. 244-3.150.
Stavropoulos, Napoleon: *See—*
Reeves, Robert C.; Mansky, Michael; Stavropoulos, Napoleon; Kaleda, William W.; and Richards, William J., 3,821,430.
Stavropoulos, Napoleon. Beverage maker. 3,853,043, 12-10-74, Cl. 99-306.000.
Stavropoulos, William S.; and Crouch, Robert D., to Dow Chemical Company, The. Determination of acid phosphatase. 3,799,843, 3-26-74, Cl. 195-103.50r.
Stawicky, Wolfgang: *See—*
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Stay, Bernard John; and Willis, Harry Arthur, to Imperial Chemical Industries Limited. Method and apparatus for measuring a transmission spectrum of a film. 3,854,044, 12-10-74, Cl. 250-338.000.
Stayton, Leroy M.; and Herling, Theodore L., to United States of America, Navy. Bone mill. 3,856,219, 12-24-74, Cl. 241-263.000.
Stazinger, Gerhard: *See—*
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Ste. Calais, Bernard S.a.r.L.: *See—*
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Stead, Jerry A.: *See—*
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Steadman, Howard L., to Tymshare, Inc. Error checking method and apparatus for group of control logic units. 3,805,233, 4-16-74, Cl. 340-146.0ag.
Steam Engine Systems Corporation: *See—*
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Steanson, Norman Grant, Jr. Furniture tray. 3,807,319, 4-30-74, Cl. 108-42.000.
Stearley, John W.; and Warner, Roger L., to Robertshaw Controls Company. Switch housing assembly held together by swaged terminals. 3,803,342, 4-9-74, Cl. 174-59.000.
Stearn, Leathem S. Stream-stay. 3,851,608, 12-3-74, Cl. 114-105.000.
Stearn, Leathem Smith. Two groove headstay. 3,851,609, 12-3-74, Cl. 114-105.000.
Stearns, Burdett K.; Graham, David A.; Seemauo, James M.; and Zink, George, to General Electric Company. Firearm chamber seal. 3,799,560, 3-26-74, Cl. 277-212.000.
Stearns, Charles F.: *See—*
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Stearns Electric Corporation: *See—*
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Stearns, Gabriel E., to Boeing Company, The. Translating sleeve variable area nozzle and thrust reverser. 3,829,020, 8-13-74, Cl. 239-265.130.
Stearns, Gabriel E.; to Boeing Company, the. Variable ramp exhaust nozzle and clamshell reverser. 3,844,482, 10-29-74, Cl. 239-265.370.
Stearns, George H., to Rolie's Machineworks, Inc. Incinerator draft system. 3,807,325, 4-30-74, Cl. 110-18.00r.
Stearns, George W., to Wagner Electric Corporation. Control valve and system. 3,820,854, 6-28-74, Cl. 303-9.000.
Stearns, Harold C.: *See—*
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Stearns, Stanley D. Bicycle carrier for vehicles. 3,794,227, 2-26-74, Cl. 224-42.010.
Stearns, William P., to Shalako Resource Systems, Inc. Method and apparatus for providing electronic sound clarification for aurally handicapped persons. 3,784,745, 1-8-74, Cl. 179-1.00n.
Stearns, William P.; and Lauchner, John K., to Shalako Resource Systems, Inc. Apparatus and prosthetic device for providing electronic correction of auditory deficiencies for aurally handicapped persons. 3,784,750, 1-8-74, Cl. 179-1.00n.
Stearns, William P.; Blackledge, Vernon O.; and Rohrer, John S., to Shalako International, Inc. Prosthetic device for providing corrections of auditory deficiencies in aurally handicapped persons. 3,818,149, 6-18-74, Cl. 179-107.0fd.
Stearns, William P.; and Elpern, Barry S., to Holmes, John L., mesne. Method of fitting a prosthetic device for providing corrections of auditory deficiencies in aurally handicapped persons. 3,848,091, 11-12-74, Cl. 179-1.00n.
Stease, Ralph E. Method for coating and/or impregnating substantially planar articles. 3,793,056, 2-19-74, Cl. 117-60.000.
Steatite and Porcelain Products Limited: *See—*
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Stechler, Bernard G. Deep ocean mining, mineral harvesting and salvage vehicle. 3,812,922, 5-28-74, Cl. 175-6.000.
Stechmann, Helmut, to Kienzle Uhrenfabriken GmbH. Electronic circuit for stabilizing the swing amplitude of a mechanical vibrating system. 3,805,132, 4-16-74, Cl. 318-130.000.
Steck, Edward James. Support bracket for lanterns and the like. 3,785,604, 1-15-74, Cl. 248-231.000.
Steck, James R.: *See—*
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Steck, William F., III, to Weaver, W.R., Company. Mount for gunsight. 3,834,052, 9-10-74, Cl. 42-1.00s.
Steckel, Elmer A.; Schaffer, William G.; and Payne, Roger A., to Gates Rubber Company, The. Continuously wrapped hose and method of making the same. 3,813,314, 5-28-74, Cl. 156-162.000.
Steckelberg, Willi: *See—*
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Sehickfluss, Rudolf; and Steckelberg, Willi, 3,847,909.
Stecker, Edmund J. Frame hangers. 3,804,360, 4-16-74, Cl. 248-489.000.
Steckle, Charles, to United States Steel Corporation. Safety snubber for counterweight. 3,854,387, 12-17-74, Cl. 98-59.000.
Steckler, Robert; Folliot, John M.; and Warren, Morris J., to Alcolac Inc. Alkyl aromatic polysulfonate surfactants. 3,816,354, 6-11-74, Cl. 252-558.000.
Steckler, Robert, to Alcolac Inc. Ammonium and alkali metal salts of sulfato-alkane acrylates and methacrylates. 3,839,393, 10-1-74, Cl. 260-458.000.
Steckler, Robert, to Alcolac Inc. Phosphate esters of hydroxyalkyl acrylates and hydroxyalkyl methacrylates. 3,855,364, 12-17-74, Cl. 260-952.000.
Steckler, Steven Alan, to RCA Corporation. Controlled oscillator. 3,815,051, 6-4-74, Cl. 331-117.00r.
Steckler, Steven Alan, to RCA Corporation. Signal combining circuit. 3,840,819, 10-8-74, Cl. 330-30.00d.
Steding, Jerry A. Method and apparatus for installing concrete piles. 3,851,484, 12-3-74, Cl. 61-53.520.
Steding, Jerry A. Method and apparatus for installing concrete piles. 3,851,485, 12-3-74, Cl. 61-53.520.
Stedman, David: *See—*
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Webber, Raymond E.; Boggs, Roger L.; and Stedman, Robert N., 3,841,716.
Stedman, Robert N.; and Boggs, Roger L., to Caterpillar Tractor Company. Track links for cushion track. 3,815,962, 6-11-74, Cl. 305-19.000.
Stedman, Robert N., to Caterpillar Tractor Company. Master track link. 3,822,923, 7-9-74, Cl. 302-58.000.
Stedman, Robert N.; and Purcell, Robert J., to Caterpillar Tractor Company. Interacting bulldozer stabilizer and equalizer bar. 3,825,074, 7-23-74, Cl. 172-803.000.
Stedman, Robert N., to Caterpillar Tractor Company. Sealed pin joint for track assemblies. 3,829,173, 8-13-74, Cl. 305-11.000.
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Steel Company of Canada Limited, The: *See—*
Addinall, Ramon Leonard; Lewis, William Trevor; and Mudroch, Otokar, 3,826,628.
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Smith, William, 3,803,891.
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Steel, Frances R., to Motorola, Inc. Crystal oscillator having spurious oscillation suppression circuit. 3,845,410, 10-29-74, Cl. 331-116.00r.
Steel, John F. Apparatus for removing particles for a gaseous stream. 3,805,495, 4-23-74, Cl. 55-435.000.
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Tacke, William H.; Ormiston, Robert B.; and McKay, Robert H., 3,831,330.
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Wolters, Richard H., 3,799,485.
Steele, Astor Andrew, to Steele's (Contractors) Ltd. Panels with an optional through-vision facility. 3,814,506, 6-4-74, Cl. 350-272.000.
Steele, Barbara A.; and Gevaert, Lieven H., to Consumers Glass Company Limited. Identification of remnants of mould releasing agents on glass containers. 3,817,729, 6-18-74, Cl. 65-26.000.
Steele, Bernard Robert, to United Kingdom Atomic Energy Authority. Production of porous ceramic nuclear fuel employing dextrin as a volatile pore-former. 3,812,050, 5-21-74, Cl. 252-301.10r.
Steele Chemicals Co., Ltd.: *See—*
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Steele, Duane F., to Tecumseh Products Company. Compressor construction. 3,827,314, 8-6-74, Cl. 74-606.000.
Steele, Fred W.; and Sannella, Joseph L., to Ball Corporation. Method of forming a photoresist with acrylamide photopolymers. 3,850,634, 11-26-74, Cl. 96-35.100.
Steele, Gilbert V., to Bowmar Instrument Corporation. Rotor member for rotary magnetic position indicator. 3,801,844, 4-2-74, Cl. 310-156.000.
Steele, Howard R.: *See—*
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Steele, Joseph Clayton: *See—*
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Steele, Joseph R., Jr. Basket ball deflector. 3,799,543, 3-26-74, Cl. 273-1.50a.
Steele, Malcolm S.: *See—*
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Steele, Raymond Ernest, to Kwikform, Limited. Formwork for use in supporting shuttering. 3,784,151, 1-8-74, Cl. 249-18.000.
Steele, Raymond Ernest; and Smith, Austin John, to Kwikform Limited. Builders scaffolding. 3,817,641, 6-18-74, Cl. 403-256.000.
Steele, Rebecca D. Combination multiple residential apartments and service areas building. 3,839,833, 10-8-74, Cl. 52-90.000.
Steele, Richard C., to Cleveland Twist Drill Company, The, mesne. Rotary indexing machine. 3,785,223, 1-15-74, Cl. 74-815.000.
Steele, Richard K.; and Roudabush, Douglas E., to California Crime Technological Research Foundation. Laser fence. 3,825,916, 7-23-74, Cl. 340-258.00b.
Steele, Roger B.: *See—*
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Steele, Roger B.; Katzakian, Arthur, Jr.; Scigliano, Joseph J.; and Hamel, Edward E., to Aerojet-General Corporation. Reactions between an organic diimide and an epoxy resin with a chromium III tricarboxylate catalyst. 3,838,101, 9-24-74, Cl. 260-47.0en.
Steele, Wallace Lee Roy, to United States of America, Army. Force transmitting system. 3,856,289, 12-24-74, Cl. 267-154.000.
Steele's (Contractors) Ltd.: *See—*
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Steen, Carl E., to Collins Radio Company. Automatic intensity control for electronic displays. 3,836,797, 9-17-74, Cl. 307-311.000.
Steen, Douglas Rodney, to Bell Telephone Laboratories, Incorporated. Apparatus for launching a soil burrowing mole. 3,814,192, 6-4-74, Cl. 173-44.000.
Steen, Floyd L., to General Electric Company. Commutation directing circuit for fault current limiting static switch. 3,823,343, 7-9-74, Cl. 317-20.000.
Steenbeck, Ulf; and Weidinger, Hans, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Magnetic guide for a rail-way vehicle. 3,828,686, 8-13-74, Cl. 104-148.0ms.
Steenbeck, Ulf, to Messerschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Suspended railway having a magnetic suspended guide of its vehicles. 3,847,086, 11-12-74, Cl. 104-130.000.
Steenhoudt, Jan, to N.V. Bekaert S.A. Method of making a composite panel. 3,801,396, 4-2-74, Cl. 156-622.000.
Steenstrup, Robert V.: *See—*
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Sarnacki, Frank H.; and Steenstrup, Robert V., 3,796,610.
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Steeoerm, Donald E.: *See—*
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Steeper, Hugh, (Roehampton) Limited: *See—*
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Steere, David E.; and Younghouse, Edwin C., to Exxon Research and Engineering Company. Ashless oil additive combination composed of nitrogen-containing ashless dispersant, phosphosulfurized olefin and phosphorothionyl disulfide. 3,850,822, 11-26-74, Cl. 25-34.00f.
Steers, Thomas Grant. Bicycle locking apparatus. 3,820,662, 6-28-74, Cl. 211-5.000.
Steetley (Mfg) Limited: *See—*
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Gilpin, William Cecil; Bown, Barry; and Hedley, Christopher Stelling, 3,857,698.
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Stefancin, James M.: *See—*
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Stefanelli, William L. Cargo Handling system. 3,837,508, 9-24-74, Cl. 214-83.220.
Stefanescu, Corneliu Nicolae: *See—*
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Stefani, Joseph P., to General Electric Company. Pawl and ratchet indexing mechanism for on-off switching. 3,785,215, 1-15-74, Cl. 74-142.000.
Stefani, Joseph P., to General Electric Company. Isolation mounting for semiconductor device. 3,801,874, 4-2-74, Cl. 317-100.000.
Stefani, Joseph P., to General Electric Company. Be-cu contact for nema outlet. 3,812,445, 5-21-74, Cl. 339-32.00r.
Stefaniak, Ferdynand: *See—*
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Stefanka, Joseph Anthony, to Norbalt Rubber Corporation. Method of forming corrugated tubing using a mandrel having inflatable sleeves adjacent the ends. 3,833,699, 9-3-74, Cl. 264-94.000.

Stefano, Nicholas M., to TRW Inc. Multiface automobile rear-view mirror system. 3,806,233, 4-23-74, Cl. 350-307.000.

Stefanska, Barbara: *See*—
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Stefanutti, Oscar E., to D.A.B. Industries, Inc. Fluid actuated double acting clutch with fluid metering means. 3,791,500, 2-12-74, Cl. 192-87.120.

Stefek, Oldrich; Triska, Vojtech; and Bednar, Ladislav, to Nova Hut Klementa Gottwalda narodni podnik. Apparatus for turning pipes between rolling passes. 3,811,310, 5-21-74, Cl. 72-252.000.

Stefensen, Leslie M.: *See*—
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Steffan, William J., to Burke Concrete Accessories, Inc. Concrete form snap-tie rod and method of forming the head therefor. 3,783,462, 1-8-74, Cl. 10-27.00h.

Steffel, Horst, to Collmann GmbH & Co. Spezialmaschinenbau KG. Apparatus for the continuous, overall X-ray examination of a motor vehicle tire. 3,809,900, 5-7-74, Cl. 250-321.000.

Steffen, Jurg: *See*—
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Steffen, Jurg, to Institut fur angewandite Physik der Universitat Bern and Holding, Pierres, S.A. Apparatus for optical excitation of a laser rod. 3,803,509, 4-9-74, Cl. 331-94.500.

Steffen, Jurg; and Lortscher, Hans-Peter, to Pierres Holding SA. Resonator device for the production of laser beams. 3,821,661, 6-28-74, Cl. 331-94.50c.

Steffen, William L.: *See*—
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Steffens, George L.: *See*—
Tso, Tien C.; and Steffens, George L., 3,824,094.

Steffens, Hans: *See*—
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Steffens, Lester R., to Mobil Oil Corporation. Dispensing volatile hydrocarbon fuels. 3,826,291, 7-30-74, Cl. 141-59.000.

Steffensen, Roger J.: *See*—
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Steffes, William J., to Coleman Company, Inc., The. Tent stake. 3,788,336, 1-29-74, Cl. 135-15.0oe.

Steffy, Jack J.; and Duffield, Peter L., to Mead Corporation, The. Catching apparatus for a jet drop recorder. 3,813,675, 5-28-74, Cl. 346-75.000.

Steffy, Robert M.: *See*—
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Stegelman, Albert F.: *See*—
Gunnell, Thomas J.; and Stegelman, Albert F., 3,793,438.

Stegelman, Albert F., to Phillips Petroleum Company. Yarn processing apparatus. 3,781,953, 1-1-74, Cl. 28-71.300.

Stegelman, Albert F.; and Michalski, Arnold, to Phillips Fibers Corporation. Method of repairing spinnerettes. 3,857,012, 12-24-74, Cl. 219-69.00m.

Stegeman, Berend, to Eddy Match Company, Limited. Vending machine having lever actuated converter panel. 3,790,024, 2-5-74, Cl. 221-77.000.

Stegeman, Berend. Dispenser with adjustable paddle vending member. 3,810,560, 5-14-74, Cl. 221-116.000.

Stegeman, Bernardus Hendrikus Marinus Johannes; and Venker, Hilrich Jan Matthijs, to Honeywell Bull (Nederland) N.V. (Societe anonyme). Device for transforming a rotational motion into a translational motion. 3,824,420, 7-16-74, Cl. 310-89.000.

Steger, Donald June, to International Business Machines Corporation. Method of making a compact fluid actuator. 3,807,015, 4-30-74, Cl. 29-157.000.

Steger, John F., to Morton-Norwich Products, Inc. Magnesium oxide steel coating composition and process. 3,841,925, 10-15-74, Cl. 148-113.000.

Steggerda, Willem A., to Compagnie Francaise de Raffinage. Method for the recovery of isobutylene. 3,794,690, 2-26-74, Cl. 260-677.00a.

Stegmaier, Louis T.: *See*—
Pekrul, Ronald G.; and Stegmaier, Louis T., 3,840,717.

Stegmaier, Wilhelm, to Daimler-Benz Aktiengesellschaft. Seat in particular co-driver seat in a motor vehicle. 3,806,191, 4-23-74, Cl. 297-216.000.

Stegmann, Carolyn: *See*—
Manowitz, Milton; Sharpell, Frederick H., Jr.; and Stegmann, Carolyn, 3,843,519.

Stegmeier, William J. Skimmer throat entrance form. 3,831,897, 8-27-74, Cl. 249-1.000.

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Russell, Lee E.; and Stegner, Douglas M., 3,810,573.

Stehle, Heinz, to Porsche, Dr.-Ing. H.c.F., K.G., Firma. Brake disk for disk brakes. 3,809,192, 5-7-74, Cl. 188-218.0xl.

Stehle, Peter Fallon; Dickstein, Jack; and Loshaek, Samuel, to Borden, Inc. Stable vinyl acetate/N-methylolacrylamide latex with fully hydrolyzed polyvinyl alcohol. 3,806,402, 4-23-74, Cl. 161-251.000.

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Stehling, Norman P. Armor joint jack. 3,837,060, 9-24-74, Cl. 29-200.00p.

Steiber, Theodore E. Pole-encircling Christmas tree. 3,808,082, 4-30-74, Cl. 161-22.000.

Steidel, Charles A., to Bell Telephone Laboratories, Incorporated. Thin film resistors. 3,784,951, 1-8-74, Cl. 338-262.000.

Steidel, Franz, to Deutsche Tecalemit Gasellschaft m.b.H. Device for the production of an annular bulge at the end of a plastic pipe serving as a sealing element. 3,807,930, 4-30-74, Cl. 425-392.000.

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Steidl, Robert Elling, to Bell Telephone Laboratories, Incorporated. Supervisory circuit. 3,855,420, 12-17-74, Cl. 179-17.00a.

Steiert, Hermann: *See*—
Korber, Karl-Heinz; Steiert, Hermann; and Dehnert, Heinz, 3,782,188.

Steigelmann, Edward F.: *See*—
Hughes, Robert D.; and Steigelmann, Edward F., 3,800,506.
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Kammerl, Anton; and Steigenberger, Hasso, 3,787,635.

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Mayer, Ehrhard; and Steigenberger, Michael, 3,843,140.

Steiger A.G.: *See*—
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Steiger, Douglas W., to Hydra-Mac, Inc. Front end loader vehicle. 3,800,969, 4-2-74, Cl. 214-778.000.

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Hubbard, Don P.; Levake, Richard N.; and Steiger, James A., 3,833,996.

Steiger, Roger A.; and Wilson, William L., to PPG Industries, Inc. Preparation of monotungsten carbide. 3,848,062, 11-12-74, Cl. 423-440.000.

Steigerwald, Carl, J., to TRW Inc. Method of making a printed circuit edge connector. 3,795,049, 3-5-74, Cl. 29-629.000.

Steigerwald, Carl J., to VCA Corporation. Safety actuated for aerosol containers. 3,828,982, 8-13-74, Cl. 222-153.000.

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Steigerwald, Karl-Heinz: *See*—
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Steigerwald, Robert L.: *See*—
Park, John N.; Steigerwald, Robert L.; and Walker, Loren H., 3,851,240.

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Becker, Heinz; and Steigerwald, Karl-Heinz (said Steigerwald assor. to), 3,813,731.
Scheffels, Wilhelm; and Hoffmann, Ruprecht, 3,823,335.
Steigerwald, Karl-Heinz, 3,814,443.
Stolz, Heinz; and Koy, Johannes, 3,838,288.
Von Walter, Alfred, 3,842,236.

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Schmitt, Dieter; Baumer, Wilhelm; and Stein, Alfred, 3,843,325.

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Stein, Arthur J.: *See*—
Appel, Arthur; and Stein, Arthur J., 3,792,243.

Stein, Charles R.: *See*—
Peroutky, Donald C.; and Stein, Charles R., 3,841,747.

Stein, Dieter: *See*—
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Stein, Emanuel: *See*—
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Stein, Gunter: *See*—
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Stein, Hans Von, OHG: *See*—
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Stein, Herman Hal: *See*—
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Stein, Hermann: *See*—
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Stein, Israel Mayer: *See*—
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Stein, Jay A.; and Polucci, Gerald, to American Science & Engineering Inc. Radiant energy imaging with rocking scanning. 3,790,799, 2-5-74, Cl. 250-363.000.

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Stein, Werner: *See*—
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Umbach, Wilfried; and Stein, Werner, 3,824,263.

Stein, William B.: *See*—
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Stein, William H., Jr.: *See*—
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Stein, William W.: *See*—
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Moon, Ronald L.; Stein, William W.; and Warnock, Donald, 3,856,585.

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Stein, Wolfgang J.; and Straniti, Salvatore, to Avco Corporation. Compressor flow fence. 3,841,790, 10-15-74, Cl. 415-159.000.

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Steinbarger, Jay O.: *See*—
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Steinbeck, Werner; and Bien, Hans-Samuel, to Bayer Aktiengesellschaft. Bulk dyeing of thermoplastics. 3,833,536, 9-3-74, Cl. 260-40.00p.

Steinberg, David H.: *See*—
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Steinberg, Diedrich; Johnke, Winfried; Roth, Helmut; Ruf, Walter; Steinbrenner, Ulrich; and Linstedt, Hans, to Bosch, Robert, G.m.b.H. Ignition system for an internal combustion engine. 3,854,466, 12-17-74, Cl. 123-148.00e.

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Steinberg, Samuel B., to Air Techniques, Inc. Portable filter evaluation apparatus. 3,810,697, 5-14-74, Cl. 356-103.000.

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Steinberg, William, to Computer Performance Instrumentation Incorporated. Computer monitoring device. 3,829,841, 8-13-74, Cl. 340-172.500.

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Steinberger, Siegfried; Pflugbell, Mathias; Nagel, Erich; Baasner, Wilhelm; Dreher, Karl; Englert, Werner; Ehrengruber, Paul; and Fleck, Adolf, to AGFA-Gevaert Aktiengesellschaft. Apparatus for transporting webs in photographic copying machines or the like 3,836,060, 9-17-74, Cl. 226-115.000.

Steinbrecher, Lester: *See*—
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Steinbrenner, Hans-Gunter: *See*—
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Steinemann, Willy, to Sandoz Ltd. 5-Arylazo-6-hydroxypyridone-2 dyes bearing a cationic group in the 3-position. 3,852,261, 12-3-74, Cl. 260-156.000.

Steinen, Wm., Mfg. Co.: *See*—
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Steiner, Alois, to Ruti Machinery Works Ltd. Shed forming device. 3,848,642, 11-19-74, Cl. 139-28.000.

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Steiner, Ann H. Magnifying glass attachment for a sewing machine. 3,822,088, 7-2-74, Cl. 350-243.000.

Steiner, Charles Dale; and William, Earl, to AMP Incorporated. Insulation stripper for twisting wire pair. 3,795,159, 3-5-74, Cl. 81-9.510.

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Steiner, Edward L.: *See—*
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Steiner, Edward L., to Xerox Corporation. Apparatus for monitoring a sheet transport mechanism. 3,791,729, 2-12-74, Cl. 355-3.00r.

Steiner, Gerd; and Kuhnpast, Rainer, to Schloemann Aktiengesellschaft. Coupling with mechancial overload safety device. 3,857,257, 12-31-74, Cl. 64-28.00r.

Steiner, H., Limited: *See—*
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Steiner, Henry William, to Colonial Mirror and Glass Corporation. Humane trap. 3,835,576, 9-17-74, Cl. 43-86.000.

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Steiner, Joseph. Clinch stud. 3,782,436, 1-1-74, Cl. 151-41.730.

Steiner, Karl, to Licentia Patent-Verwaltungs-G.m.b.H. Color tube having funnel shield attached to shadow mask frame. 3,821,583, 6-28-74, Cl. 313-407.000.

Steiner, Karl Ulrich: *See—*
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Steiner, Robert E., to Emerson Electric Co. Exhaust fan assembly. 3,791,281, 2-12-74, Cl. 98-43.000.

Steiner, Rudolph, to Numertap, Inc. Adjustable torque controlled tool holder. 3,787,136, 1-22-74, Cl. 408-139.000.

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Steiner, Walter. Telescoping clothes dryer structure. 3,784,020, 1-8-74, Cl. 211-1.300.

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Steinfeld, Manfred, to Shelby William Industries, Inc. Knick-down upholstered furniture. 3,799,611, 3-26-74, Cl. 297-440.000.

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Steingiser, Samuel, to Monsanto Company. Method of processing high nitrile preforms. 3,830,893, 8-20-74, Cl. 264-25.000.

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Steingroever, Erich. Thickness measuring device utilizing magnetic reed contacts. 3,803,482, 4-9-74, Cl. 324-34.0tk.

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Steinhagen, Horst G., to Twin Disc, Incorporated. Power transmitting drive apparatus. 3,783,710, 1-8-74, Cl. 74-665.0ga.

Steinhards, Arnolds: *See—*
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Steinhauer, Norman M.: *See—*
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Steinhauser, Armin H.; and Baratto, Eugene L., to Minnesota Mining and Manufacturing Company. Roll of pressure sensitive adhesive, adhesive coated abrasive discs and dispenser. 3,849,949, 11-26-74, Cl. 51-406.000.

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Steinitz, Robert, to Driver, Wilbur B., Company. Permanent magnet alloy using molybdenum and titanium. 3,801,312, 4-2-74, Cl. 75-170.000.

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Steinke, Myrel R. Channeled end gate. 3,821,865, 7-2-74, Cl. 49-404.000.

Steinkuhl, Bernd: *See—*
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Steinlin, Felix; and Nobs, Horst, to Ciba-Geigy AG. Process for the manufacture of viscose fibres with novel dyeing properties. 3,793,419, 2-19-74, Cl. 264-78.000.

Steinman, Gary: *See—*
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Steinmann, Eugene B., Jr. Automobile trunk lock opening tool. 3,788,168, 1-29-74, Cl. 81-3.00r.

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Gange, Robert Allen; and Steinmetz, Carl Charles, 3,809,974.
Gange, Robert Allen; Nagle, Eugene Michael; and Steinmetz, Carl Charles, 3,851,948.

Steinmetz, Gunter; and Thiele, Kurt, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2,6-Dichloro-3-nitro-pyridine. 3,809,695, 5-7-74, Cl. 260-290.0hl.

Steinmetz, Ib; and Wentzheimer, William Wayne, to Sun Oil Company of Pennsylvania. Extraction process. 3,825,489, 7-23-74, Cl. 208-327.000.

Steinmetz, John C. Apparatus for sharpening drills and other cutting tools. 3,838,540, 10-1-74, Cl. 51-5.000.

Steinmetz, John H.: *See—*
Eckert, Alton B., Jr.; and Steinmetz, John H., 3,849,632.

Steinmetz, Lloyd L.: *See—*
Johnson, Bertram C.; and Steinmetz, Lloyd L., 3,815,046.

Steinmetz, William H., to Du Pont de Nemours, E. I., and Company. Cross-linkable coating composition of a hydroxyl containing polyester and a blocked polyisocyanate. 3,808,160, 4-30-74, Cl. 260-16.000.

Steinmuller, Gunter: *See—*
Brunner, Julius; Schwendtner, Manfred; and Steinmuller, Gunter, 3,818,206.

Steinmuller, L. & C., GmbH: *See—*
Plura, Georg, 3,802,568.
Plura, Georg, 3,813,333.
Plura, Georg, 3,846,298.

Steinreich, Joseph S.: *See—*
Grindstaff, Donald A.; Steinreich, Joseph S.; and Post, Leo B., 3,840,996.

Steinwand, Paul J., to Union Oil Company of California. Latex with improved flame resistance and stability. 3,840,488, 10-8-74, Cl. 260-29.70p.

Steinwart, Johannes: *See—*
Ruf, Max; and Steinwart, Johannes, 3,802,811.

Steinwart, Johannes; and Bauder, Armin, to Audi NSU Auto Union Aktiengesellschaft and Wankel G.m.b.H. Oil seal construction for rotary engines. 3,782,869, 1-1-74, Cl. 418-142.000.

Steinwart, Johannes; and Rup, Max, to Audi NSU Auto Union Aktiengesellschaft and Audi NSU Auto Union Aktiengesellschaft. Piston for rotary piston machines and means for its manufacture. 3,836,294, 9-17-74, Cl. 418-91.000.

Steinwart, Johannes; and Feierabend, Karl. Ignition system for rotary piston combustion engines of trochoid type. 3,847,257, 11-12-74, Cl. 192-.062.

Steinwinder, John E.: *See—*
Jackson, John L.; and Steinwinder, John E., 3,827,487.

Steitler, Christian H.; Luedi, Hans R.; and Roze, Albert, to Gratnes Machine Work, Inc. Method of manufacturing cylindrical blanks. 3,797,088, 3-19-74, Cl. 29-159.100.

Steitz, Alfred, Jr., to Standard Oil Company. Mixed terephthalic and isophthalic acid salts of dodecamethylene diamine. 3,792,083, 2-12-74, Cl. 260-501.200.

Steitz, Alfred Jr.; deceased (by Steitz, Margaret Marie; executrix), to Standard Oil Company. Polydodecamethylene terephthalamide copolyamide. 3,833,547, 9-3-74, Cl. 260-78.00r.

Steitz, Margaret Marie: *See—*
Steitz, Alfred Jr., 3,833,547.

Stekopytov, Alexei Alexeevich; Strekopytova, Tatyana Andreevna; Bogush, Lev Konstantinovich; Kuklin, Georgy Sergeevich; Superfainshtein, Naum Aronovich; and Severov, Viktor Sergeevich; deceased (by Efimova, Ljudmila Mikhailovna; Severov, Sergei Ivanovich;and Severova, Zinaida Pavlovna; heirs). Surgical instrument for joining osseous tissues by staples. 3,822,818, 7-9-74, Cl. 227-124.000.

Stell, Thomas W.: *See—*
Lindsey, James M.; and Stell, Thomas W., 3,798,976.

Stella, Joseph A.: *See—*
Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., 3,785,725.
Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., 3,830,563.
Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., 3,832,048.
Wray, William R.; and Stella, Joseph A., 3,856,387.

Stella, Joseph A., to Polaroid Corporation. Photographic cassette system having rotary capillary applicator of processing fluid. 3,824,007, 7-16-74, Cl. 352-130.000.

Stella, Joseph A., to Polaroid Corporation. Pull-strip mechanism for multipurpose film cassettes. 3,856,390, 12-24-74, Cl. 352-130.000.

Stella, Leo; and Sarbello, Alfred J., to Terrington Company, The. Bearing and bearing seal. 3,848,938, 11-19-74, Cl. 308-36.100.

Stella, Valentino J.: *See—*
Higochi, Takeru; and Stella, Valentino J., 3,792,081.

Stellmacher, Wilhelm, to Mannesmann Aktiengesellschaft. Steam flow control in continuous casting machines with direct spray water cooling. 3,789,913, 2-5-74, Cl. 164-283.000.

Stelma, Gerard N., to Keeler Brass Company. Strike plate/face plate for door latches. 3,831,988, 8-27-74, Cl. 292-302.000.

Stelma, Nick L. Ski-simulator training apparatus. 3,791,645, 2-12-74, Cl. 272-57.00b.

Stelmakh, Mitrofan Fedorovich: *See—*
Krasnov, Mikhail Mikhailovich; Stelmakh, Mitrofan Fedorovich; Malyshev, Boris Nikolaevich; Prozorov, Vladimir Nikolaevich; Saprykin, Pavel Ivanovich; and Batrukova, Maria Grigorievna, 3,828,788.

Stelter, Manfred K. Deposition of single or multiple layers on substrates from dilute gas sweep to produce optical components, electro-optical components and the like. 3,808,035, 4-30-74, Cl. 117-106.00r.

Stelter, Siegfried: *See—*
Hartmann, Heinrich; Stelter, Siegfried; and Trelewsky, Heinz-Guenter, 3,835,997.

Stelter, William L.: *See—*
Nasby, James S.; and Stelter, William L., 3,854,082.

Stelter, William M. Sonic-wave fuel air homogenizing device. 3,815,565, 6-11-74, Cl. 123-141.000.

Steltz, Douglas C., to Portec, Inc. Adjustable mounting for refuse dump truck packer plate. 3,788,501, 1-29-74, Cl. 214-83.300.

Steltz, Douglas C., to Portec, Inc. Device for fluidizing stored material. 3,814;295, 6-4-74, Cl. 222-195.000.

Stelwagen, Jan; and Van Loon, Huibert. Washing and spin-drying machine with auxiliary mass. 3,800,567, 4-2-74, Cl. 68-232.000.

Stelwagen, Jan; and Van Loon, Huibert, to U.S. Philips Corporation. Balancing device. 3,800,622, 4-2-74, Cl. 74-573.00f.

Stelzenmuller, William K.: *See—*
Hamel, Harvey C.; Kunzinger, Charles A.; and Stelzenmuller, William K., 3,825,906.
Hamel, Harvey C.; Kunzinger, Charles A.; and Stelzenmuller, William K., 3,843,895.

Stelzer, Raymond F., to Wagner Electric Corporation. Control valve and system. 3,844,626, 10-29-74, Cl. 303-68.000.

Stelzer, Roland B.: *See—*
Allen, Joseph C.; Tate, Jack F.; and Stelzer, Roland B., 3,847,220.
Allen, Joseph C.; Tate, Jack F.; and Stelzer, Roland B., 3,847,221.

Stelzer, Roland B.; Park, Jack H.; and Runeell, Herbert A., to Texaco Inc. Method and apparatuses for transmission of data from drill bit in wellbore while drilling. 3,805,606, 4-23-74, Cl. 73-152.000.

Stelzer, William, to Kelsey-Hayes Company. Pressure control device for dual brake system. 3,838,887, 10-1-74, Cl. 303-6.00c.

Stelzer, William, to Kelsey-Hayes Company. Dual brake system having bypass valve. 3,841,711, 10-15-74, Cl. 303-6.00c.

Stem Development Corporation: *See—*
Markowitz, Isral J., 3,833,154.

Stembridge, Harold E. Impact cushioning device. 3,797,615, 3-19-74, Cl. 188-285.000.

Stembridge, Harold E. Hydraulic cushion mechanism. 3,799,530, 3-26-74, Cl. 267-130.000.

Stemler, Orrin A.: *See—*
Cobb, Delwin E.; and Stemler, Orrin A., 3,805,897.

Stemmle, Denis J.: *See—*
Caldwell, John R.; and Stemmle, Denis J., 3,833,911.

Stemmle, Denis J., to Xerox Corporation. Moving bin sorting apparatus. 3,788,640, 1-29-74, Cl. 271-64.000.

Stemmle, Denis J., to Xerox Corporation. Sheet sorting apparatus. 3,848,868, 11-19-74, Cl. 271-173.000.

Stemmler, Hansjorg, to Stabilus Industrie- und Handelsgesellschaft mbH. Resilient column. 3,788,587, 1-29-74, Cl. 248-400.000.

Stemmler, Heinz: *See—*
Stemmler, Mathias; and Stemmler, Heinz, 3,851,077.

Stemmler, Kurt, to Winkler & Dunnebier. Device for applying strip-shaped adhesive coatings to paper, cardboard and the like. 3,814,055, 6-4-74, Cl. 118-410.000.

Stemmler, Mathias; and Stemmler, Heinz. Method for preserving freshly slaughtered meat. 3,851,077, 11-26-74, Cl. 426-265.000.

Stemp, Peter John, to Redland Bricks Limited. Apparatus for preparing sheet material. 3,853,442, 12-10-74, Cl. 425-112.000.

Stempel, Arthur; and Westley, John, to Hoffmann-La Roche Inc. Diazo derivatives of antibiotic X-537A. 3,836,516, 9-17-74, Cl. 260-141.000.

Stemple, James M.; and Allen, Paul E., to Bendix Corporation, The. Counterbalance for a vertically supported probe shaft. 3,818,596, 6-25-74, Cl. 33-1.00m.

Stempnik, William: *See—*
Smith, Kenneth A.; and Stempnik, William, 3,795,562.

Stenberg, Erik Gunnar; and Emanuelsson, Ernst Ingemar, to Aktiebolaget Karlstads Mekaniska Werkstad. Forming roll for twin wire papermaking with axially aligned wave-shaped ribs. 3,821,076, 6-28-74, Cl. 162-301.000.

Stencel Aero Engineering Corporation: *See—*
Stencel, Fred B., 3,807,671.

Stencel, Edgar L., to VSI Corporation. High-strength fastening system. 3,792,933, 2-19-74, Cl. 403-19.000.

Stencel, Fred B., to Stencel Aero Engineering Corporation. Escape and recovery system. 3,807,671, 4-30-74, Cl. 244-138.00r.

Stencil, John. Carpet laying tool construction. 3,790,976, 2-12-74, Cl. 7-8.10r.

Stendel, Wilhelm: *See—*
Behner, Otto; and Stendel, Wilhelm, 3,804,848.
Enders, Edgar; and Stendel, Wilhelm, 3,787,576.
Enders, Edgar; Stendel, Wilhelm; Meier, Jurgen-Dietrich; and Francque, Marc, 3,821,204.
Hofer, Wolfgang; Hammann, Ingeborg; Homeyer, Bernhard; and Stendel, Wilhelm, 3,806,559.
Hoffmann, Hellmut; Hammann, Ingeborg; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 3,845,207.
Wollweber, Hartmund; Hiltmann, Rudolf; and Stendel, Wilhelm, 3,787,575.
Wollweber, Hartmund; Enders, Edgar; and Stendel, Wilhelm, 3,852,304.
Zellerhoff, Knut; Schutz, Siegismund; and Stendel, Wilhelm, 3,799,921.

Stendenbach, Karl-Heinz: *See—*
Hartlapp, Gerhard; Haas, Hans; and Stendenbach, Karl-Heinz, 3,836,675.

Stender, Hans-Georg: *See—*
Blaurock, Gunter; Stender, Hans-Georg; and Will, Werner, 3,838,928.

Stender, Herbert. Target cups in ten pin configuration and projector having foul varying capability. 3,794,325, 2-26-74, Cl. 273-101.000.

Stender, Klaus, to Heinrich Koppers Gesellschaft mit beschrankter Haftung. Coke guide car. 3,817,840, 6-18-74, Cl. 202-241.000.

Stendig, Joseph L.; and Davis, Claude A. Security system. 3,786,502, 1-15-74, Cl. 340-416.000.

Stendig, Joseph L.; and Davis, Claude A. Telephone alarm system. 3,801,971, 4-2-74, Cl. 340-220.000.

Stene, Ronald M., to Buckbee-Mears Company. Electroplating on a truncated ball suitable for use in a typewriter. 3,809,626, 5-7-74, Cl. 204-20.000.

Stenerson, Charles Keith: *See*—
Alexander, Thomas Theron; Reszka, Alfons; and Stenerson, Charles Keith, 3,832,637.

Stengard, Robert A.: *See*—
Nedeau, Herbert G.; and Stengard, Robert A., 3,824,199.

Stengel, Max; Kollmer, Werner; and Grassl, Manfred, to Messerschmitt-Bolkow Blohm Gesellschaft mit beschrankter Haftung. Telescopic cable guide. 3,792,189, 2-12-74, Cl. 174-69.000.

Stengelin, Adolf Friedrich Johann Conrad; deceased (by Stengelin, Volker; and Stengelin, Jorg; heirs). Apparatus for biologically purifying effluent. 3,847,811, 11-12-74, Cl. 210-150.000.

Stengelin, Jorg: *See*—
Stengelin, Adolf Friedrich Johann Conrad, 3,847,811.

Stengelin, Volker: *See*—
Stengelin, Adolf Friedrich Johann Conrad, 3,847,811.

Stenger, August M., to Ingersoll-Rand Corporation. Machinery mounting base. 3,823,904, 7-16-74, Cl. 248-23.000.

Stenger, Donald R., to Hill-Rockford Co. Needle bearing assembling machine. 3,789,478, 2-5-74, Cl. 29-201.000.

Stenger, Harvey G.: *See*—
Buonocore, Salvatore; Stenger, Harvey G.; and Privon, George T., 3,785,453.

Stenger, Richard E.; Gardella, Arthur J.; and Campbell, Thomas C., to General Electric Company. Combustor dome assembly. 3,854,285, 12-17-74, Cl. 60-39.660.

Stenger, Richard J., to Sun Research and Development Co. Apparatus for testing traction coefficient. 3,839,897, 10-8-74, Cl. 73-10.000.

Stenger, Roy T. Lockable support for artistic renderings on display. 3,801,055, 4-2-74, Cl. 248-176.000.

Stenhagen, Einar August: *See*—
Dinh-Nguyen, Nguyen; and Stenhagen, Einar August, 3,849,458.

Stenseng, Mogens Martin: *See*—
Madsen, Rud Frik; Olsen, Ole Jentoft; and Stenseng, Mogens Martin, 3,847,818.

Stenson, William E.: *See*—
Gavit, Stephen E.; and Stenson, William E., 3,833,928.

Stenstrom, Claude; Lambourg, Michel; and Duprez, Robert, to Compagnie Industrielle des Telecommunications Cit-Alcatel. Error-correcting device for the transmission of data. 3,796,991, 3-12-74, Cl. 340-146.1ab.

Stenstrom, Lennart Arvid, to Alfa-Laval AB. Method and apparatus for treating heat-sensitive products. 3,809,844, 5-7-74, Cl. 219-10.550.

Stenstrom, Lennart Arvid, to Alfa-Laval AB. Heating of products in electro-magnetic field. 3,809,845, 5-7-74, Cl. 219-10.550.

Stenstrom, Lennart Arvid, to Alfa-Laval AB. Heat treatment of heat-sensitive products. 3,814,889, 6-4-74, Cl. 219-10.550.

Stent, Vernon Denis, to Creators Limited. Reinforced plastics tubes. 3,825,036, 7-23-74, Cl. 138-174.000.

Stenwall, Lauri A. Stand for holding and protecting flexible trash bags. 3,841,948, 10-15-74, Cl. 161-23.000.

Stenzel, Gunter: *See*—
Dalibor, Horst; Gutte, Richard; and Stenzel, Gunter, 3,819,447.
Dalibor, Horst; Gutte, Richard; and Stenzel, Gunter, 3,842,133.

Stenzenberger, Volkmar: *See*—
Wagensonner, Eduard; and Stenzenberger, Volkmar, 3,808,482.

Stepan Chemical Company: *See*—
Fischer, Elias, 3,827,557.
Lemberg, Seymour; and Cain, Audley L., 3,816,534.

Stepanov, Alexandr Nikolaevich: *See*—
Barsukov, Vladimir Vasilievich; Burakov, Savely Leonidovich; Grebennikov, Vladimir Vissarionovich; Kalashnikov, Petr Georgievich; Krasnov, Miron Vasilievich; Kuperman, Alexandr Yankelevich; Mikotin, Evgeny Emelyanovich; Nikolaenko, Evgeny Grigorievich; Steanov, Alexandr Nikolaevich; Tsarev, Georgy Grigorievich; Yarovinsky, Grigory Abramovich; and Yassky, Dolya Iosifovich, 3,794,106.

Stepanov, Grigory Nikolaevich: *See*—
Barsukov, Vladimir Vasilievich; Burakov, Savely Leonidovich; Grebennikov, Vladimir Vissarionovich; Kalashnikov, Petr Georgievich; Krasnov, Miron Vasilievich; Kuperman, Alexandr Yankelevich; Mikotin, Alexandr Emelyanovich; Nikolaenko, Evgeny Grigorievich; Sepanov, Grigory Nikolaevich; Tsarev, Georgy Grigorievich; Yarovinsky, Grigory Abramovich; and Yassky, Dolya Iosifovich, 3,804,151.

Stepanov, Vasily Nikolaevich: *See*—
Schekin, Vladimir Ivanovich; and Stepanov, Vasily Nikolaevich, 3,845,806.

Stepanov, Vladimir Anatolievich: *See*—
Dyatlov, Mikhail Konstantinovich; Ostapchenko, Evgeny Petrovich; Stepanov, Vladimir Anatolievich; and Kulikov, Jury Nikolaevich, 3,846,716.

Stepanova, Valentina Gavrilovna: *See*—
Tolstov, Jury Georgievich; Skorovarov, Vladimir Efremovich; Grinshtein, Boris Ilich; Stepanova, Valentina Gavrilovna; Bashkatov, Ivan Pavlovich; Vinitsky, Jury Danilovich; Balyasinsky, Valery Ottovich; and Shmusrov, Valery Pavlovich, 3,848,156.

Stepe, Visvaldis A., to Caterpillar Tractor Company. Replaceable cutting edge. 3,851,711, 12-3-74, Cl. 172-681.000.

Stepe, Visvaldis Alfons, to Caterpillar Tractor Company. Adjustable sidecutter for excavator buckets and the like. 3,805,422, 4-23-74, Cl. 37-141.00r.

Stepe, Visvaldis Alfons, to Caterpillar Tractor Company. Open side ground engaging tip. 3,839,805, 10-8-74, Cl. 37-142.00r.

Stephan, Alfred: *See*—
Spies, Anton; Stephan, Alfred; and Sellmaier, Alfons, deceased, 3,828,564.

Stephan, Barbara B. Flower press. 3,852,891, 12-10-74, Cl. 34-95.000.

Stephan, Elmer F.: *See*—
Schaer, Glenn R.; and Stephan, Elmer F., 3,796,607.

Stephan, Hans: *See*—
Eggenspepger, Heinz; Franzen, Volker; and Stephan, Hans, 3,784,650.
Eggensperger, Heinz; Franzen, Volker; Muller, Horst; and Stephan, Hans, 3,832,328.
Eggensperger, Heinz; Franzen, Volker; and Stephan, Hans, 3,838,100.

Stephan, Ingo L.; and Brady, Robert H., to Narco Scientific Industries, Inc. Direct gyro-driven instrument assembly. 3,806,865, 4-23-74, Cl. 340-27.0na.

Stephan, Raymond C., to United States Steel Corporation. Lime oxygen-natural gas distribution system. 3,809,381, 5-7-74, Cl. 266-35.000.

Stephan, Wolfgang, to Biotest-Serum-Institut GmbH. Container for carrying out quantitative immuno-electrophoresis. 3,803,020, 4-9-74, Cl. 204-299.000.

Stephanoff, Louis J., to FMC Corporation. Linear motor conveyor. 3,788,447, 1-29-74, Cl. 198-41.000.

Stephanoff, Nicholas N., to Fluid Energy Processing & Equipment Company. Method and apparatus for treating waste products. 3,802,089; 4-9-74, Cl. 34-8.000.

Stephanoff, Nicholas N., to Fluid Energy Processing & Equipment Company. Dryer feed nozzle assembly. 3,814,316, 6-4-74, Cl. 239-8.000.

Stephans, Albert E.: *See*—
Bowers, Gary L.; Lay, Clark M.; and Stephans, Albert E., 3,825,735.

Stephans, John F. Capstan tensioner. 3,800,993, 4-2-74, Cl. 226-187.000.

Stephans, Larry C.: *See*—
Brown, Lloyd H.; and Stephans, Larry C., 3,814,626.

Stephany, Christian; Braunmiller, Heinz; and Katzer, Johannes, to Kupex AG. Sprinkler systems. 3,827,637, 8-6-74, Cl. 239-242.000.

Stephany, Joseph F.; and Ing, Samuel W., Jr., to Xerox Corporation. High speed printout system. 3,850,517, 11-26-74, Cl. 354-12.000.

Stephen, John F. Aromatic diimides of 3,5-dialkyl-4-hydroxyphenyl-substituted amines. 3,821,161, 6-28-74, Cl. 260-45.80n.

Stephen, Rudolf: *See*—
Richtzenhain, Herman; and Stephen, Rudolf, 3,787,509.
Richtzenhain, Herman; and Stephen, Rudolf, 3,845,147.

Stephenne, Hubert: *See*—
Deschenes, Pierre A.; Stephenne, Hubert; and Villeret, Michel, 3,857,111.
Villeret, Michel; Stephenne, Hubert; and Deschenes, Pierre A., 3,794,919.

Stephens, Arnold M., Jr.: *See*—
Yates, Gerald A.; and Stephens, Arnold M., Jr., 3,795,030.

Stephens, Buckeye, Limited: *See*—
Bardet, Michel, 3,854,452.

Stephens, Charles F.: *See*—
Brown, Niel E.; and Stephens, Charles F., 3,839,752.

Stephens, Charles R., Jr.: *See*—
Berreboom, John J.; Cameron, Donald P.; and Stephens, Charles R., Jr., 3,799,892.
Blackwood, Robert K.; and Stephens, Charles R., Jr., 3,824,285.

Stephens, Donald L.: *See*—
Saunders, James W.; and Stephens, Donald L., 3,825,295.

Stephens, Donald L. Universal grill cleaner. 3,800,354, 4-2-74, Cl. 15-236.00r.

Stephens, Frederick Richard Neason. Perfusion monitor. 3,796,213, 3-12-74, Cl. 128-2.05r.

Stephens, Geoffrey Keith: *See*—
Bolto, Brian Alfred; and Stephens, Geoffrey Keith, 3,840,482.

Stephens, James R.: *See*—
Hanson, Robert B.; and Stephens, James R., 3,847,878.
Serres, Carl; and Stephens, James R., 3,839,529.

Stephens, James R., to Standard Oil Company. Film forming polyamide composition from fumaric acid and aromatic carbocyclic diisocyanate. 3,840,498, 10-8-74, Cl. 260-78.0ua.

Stephens, James R., to Standard Oil Company. Film forming polyamide composition containing fumaric acid and trimellitic acid residues. 3,852,248, 12-3-74, Cl. 260-78.0tf.

Stephens, John A., to Monsanto Company. Method for inhibiting plant growth. 3,799,760, 3-26-74, Cl. 71-103.000.

Stephens, John A., to Monsanto Company. Herbicidal method using salts of benzenesulfonyl ureas. 3,823,007, 7-9-74, Cl. 71-103.000.

Stephens, John F., III: *See*—
Adolph, Robert J.; and Stephens, John F., III, 3,799,147.

Stephens, Leonard J.; Granger, Derril D.; McCullagh, John S.; and Hagar, Donald K., to Rockwell International Corporation. Seat insert for butterfly-type valves. 3,782,684, 1-1-74, Cl. 251-306.000.

Stephens, Matheson George Bernard; and Wuest, Robert Albert, to Lilly, Eli, and Company. Locking capsule. 3,823,843, 7-16-74, Cl. 220-42.00a.

Stephens, N. S., Company, Inc.: *See*—
Renouf, William, 3,834,338.

Stephens, Paul F., to Bethlehem Steel Corporation. Refractory sand molds and cores. 3,788,864, 1-29-74, Cl. 106-38.300.

Stephens, Raymond A., to Collins Radio Company. TDM switching apparatus. 3,809,819, 5-7-74, Cl. 179-15.0aq.

Stephens, Richard Wilson: *See*—
Giacoma, Frederick Alfred, Jr.; Godbold, Channing W.; and Stephens, Richard Wilson, 3,788,514.

Stephens, Robert D.; and Kray, William C., Jr., to Shell Oil Company. Metal-compound filled poly(o-phenylene carbide) or poly(m-phenylene carbide) and carbon made therefrom. 3,816,345, 6-11-74, Cl. 252-478.000.

Stephens, Roger W.; Vervloet, Christiaan; and Monnee, Hugo C. W., to Shell Oil Company. Stabilized thermoplastic polyurethane composition. 3,819,553, 6-25-74, Cl. 260-28.000.

Stephens, Ronald Bertram, to Armstrong Patents Co. Limited. Metal fittings to thermoplastic components. 3,842,482, 10-22-74, Cl. 29-447.000.

Stephens, Ruth E., to Ethyl Corporation. Method of decomposing nitrogen oxides. 3,787,560, 1-22-74, Cl. 423-239.000.

Stephens, Thomas S.; Saldana, Guadalupe; and Brown, Harold E., to United States of America, Agriculture. Process for preparing carrot juice. 3,787,589, 1-22-74, Cl. 426-325.000.

Stephens, William D.; Willis, T. Chade; and Combs, Charles S. Polymers and copolymers of 1-ferrocenyl-1,3-butadiene. 3,847,871, 11-12-74, Cl. 260-63.0bb.

Stephens, William I.: *See*—
Albinson, Don C.; Stephens, William I.; Cawley, Charles R., Jr.; and Hopkins, Richard Baier, 3,807,102.
Albinson, Don C.; Stephens, William I.; Cawley, Charles R., Jr.; and Hopkins, Richard Baier, 3,849,950.
Albinson, Don C.; Stephens, William I.; Cawley, Charles R., Jr.; and Hopkins, Richard Baier, 3,849,962.
Albinson, Don C.; Stephens, William I.; Cawley, Charles R., Jr.; and Hopkins, Richard Baier, 3,853,294.

Stephens, William J., to Noxxe, Inc. Shuttle boxing method and apparatus. 3,794,085, 2-26-74, Cl. 139-185.000.

Stephenson, Charles M.: *See*—
Watson, William J.; and Stephenson, Charles M., 3,787,673.

Stephenson, Charles V.: *See*—
Roberts, Victor B.; Stephenson, Charles V.; and Good, Robert E., Jr., 3,852,713.

Stephenson, Edward, Jr., to Stephenson Papesch Processes, Inc. Process of manufacturing pig iron. 3,784,370, 1-8-74, Cl. 75-42.000.

Stephenson, Emmett: *See*—
Stuppy, Francis X.; and Stephenson, Emmett, 3,803,671.

Stephenson, Francis V., to Integrity Transcoil Incorporated. Automotive oil cooler. 3,792,727, 2-19-74, Cl. 165-44.000.

Stephenson, Jack G.: *See*—
Mosier, John E.; and Stephenson, Jack G., 3,827,575.

Stephenson, Jack G., to Halliburton Company. Valve apparatus for controlling train action. 3,791,534, 2-12-74, Cl. 213-43.000.

Stephenson, Jack G.; and Mosier, John E., to Halliburton Company. Railway unit cushioning apparatus. 3,854,596, 12-17-74, Cl. 213-8.000.

Stephenson, Kenrick O., Jr. System monitor for credit system. 3,787,623, 1-22-74, Cl. 179-2.0dp.

Stephenson, Leslie: *See*—
Phillipps, Gordon Hanley; and Stephenson, Leslie, 3,822,297.

Stephenson, Michael J.: *See*—
Merriman, James R.; Pashley, John H.; Stephenson, Michael J.; and Dunthorn, David I., 3,785,120.

Stephenson, Orlando W., III; and Schmidt, John E., to BASF Wyandotte Corporation. Electrical connections for metal electrodes. 3,788,966, 1-29-74, Cl. 204-256.000.

Stephenson Papesch Processes, Inc.: *See*—
Stephenson, Edward, Jr., 3,784,370.

Stephenson, Richard D., to Universal Technology Inc. Coding and decoding method and apparatus. 3,815,092, 6-4-74, Cl. 340-147.00p.

Stephenson, Robert A.; and Zoch, Robert M., Jr., to Enercon Corporation International. Injector apparatus. 3,790,139, 2-5-74, Cl. 261-18.00a.

Stephenson, Robert L.: *See*—
Lewis, Donald J.; and Stephenson, Robert L., 3,787,074.
Lucore, Richard W.; and Stephenson, Robert L., 3,791,670.
Radke, Donald G.; and Stephenson, Robert L., 3,819,203.

Stephenson, Robert L.; and Lewis, Donald J., to Allied Chemical Corporation. Delayed filling of air bag. 3,786,843, 1-22-74, Cl. 141-13.000.

Stephenson, Robert L., to Allied Chemical Corporation. Slip tongue with inflator band. 3,820,842, 6-28-74, Cl. 297-389.000.

Stephenson, Robert L., to Allied Chemical Corporation. Belt retractor with spring biased auxiliary ratchet wheel. 3,822,840, 7-9-74, Cl. 242-99.000.

Stephenson, Russell D. Gold pan. 3,855,119, 12-17-74, Cl. 209-447.000.

Stephenson, William I., Jr.: *See*—
Maier, Alfred E.; and Stephenson, William I., Jr., 3,815,064.

Stepien, George, Jr.: *See*—
Califano, Frank L.; Stepien, George, Jr.; and Russell, Thomas E., 3,831,382.

Stepin, Anatoly Loginovich: *See*—
Krendel, Leonid; Nikonov, Vladimir Filippovich; Ognevsky, Viktor Alexeevich; Orlovsky, Anatoly Georgievich; Ostrovsky, Grigory Arkadievich; Palkin, Valery Evseevich; Pakhomov, Anatoly Vladimirovich; Stepin, Anatoly Loginovich; Trofimov, Oleg Fedorovich; Shpelyakovsky, Konstantin Zakharovich; Ryskind, Alexandr Moiseevich; Shklyarov, Isaak Nakhimovich; Rabin, Moisei Osipovich; Kalner, Veniamin Davydovich; and Fishkis, Mikhail Mironovich, 3,844,852.

Stepniczko, Heintich E.: *See*—
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Stepochkin, Lev Mikhailovich: *See*—
Makeev, Boris Anatolievich; Stepochkin, Lev Mikhailovich; Batozsky, Vadim Ivanovich; Korot, Garri Moiseevich; and Gladkikh, Anatoly Ivanovich, 3,830,121.

Steponaitis, Vincas P. Holder for processed photographs. 3,836,925, 9-17-74, Cl. 354-75.000.

Steppan Chemical Company: *See*—
Wechsler, Joseph R., 3,816,485.

Steppan, Hartmut; Uhlig, Fritz; and Giesse, Roland, to Kalle Aktiengesellschaft. Light-sensitive diazo copying composition and copying material produced therewith. 3,790,385, 2-5-74, Cl. 96-75.000.

Steppan, Hartmut, to Kalle Aktiengesellschaft. Process for the production of polycondensation products of aromatic diazonium compounds. 3,849,392, 11-19-74, Cl. 260-141.000.

Stepper, Heinz J.: *See*—
Bell, Heinz G.; and Stepper, Heinz J., 3,789,255.

Stepper, Heinz-J: *See*—
Sell, Heinz G.; and Stepper, Heinz-J, 3,820,868.

Steppuhn, Bruno, to Palitex Project-Company GmbH. Apparatus for stopping spindle assemblies of a textile yarn processing machine in a predetermined position. 3,805,507, 4-23-74, Cl. 57-81.000.

Steprath, Werner; and Birkholz, Manfred, to Maschinenfabrik Buckau R. Wolf Aktiengesellschaft. Vibrator. 3,783,701, 1-8-74, Cl. 74-87.000.

Steranko, James Joseph; and Holland, John Henry, said Holland assor. to Inforex, Inc. Automatic bonding apparatus with multiple bonding heads. 3,840,169, 10-8-74, Cl. 228-4.000.

Sterba, Josef, to Vyzkumny a vyvojovy ustav Zavadu vseobecneho strojirenstvi. Tape-positive yarn feed. 3,855,821, 12-24-74, Cl. 66-132.000.

Sterigard Corporation: *See*—
Bruce, Roger K.; Marhold, Werner; and Adickes, Cecil F., 3,849,053.

Sterk, Stephen. Wave motor. 3,817,662, 6-18-74, Cl. 417-333.000.

Sterlicchi, Pasquale J. Jogger ball. 3,785,642, 1-15-74, Cl. 272-70.000.

Sterling, Alice W. Math board. 3,837,096, 9-24-74, Cl. 35-31.00d.

Sterling Drug, Inc.: *See*—
Ackerman, James H., 3,803,221.
Ackerman, James H., 3,853,965.
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Alexander, Ernest John, 3,835,152.
Andrews, Roderic Stafford; Barlow, Christopher George; and Livingstone, John Lewis, 3,851,032.
Archer, Sydney; and Schulenberg, John W., 3,798,223.
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Crounse, Nathan N.; and Desai, Kantilal B., 3,833,510.
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Shaw, Philip E.; Daum, Sol J.; and Clarke, Robert L., 3,830,843.
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Sterling, Henley Frank; and Alexander, John Henry, to ITT Industries, Inc. Glass deposition. 3,843,392, 10-22-74, Cl. 117-93.1gd.

Sterling Radiator Co., Inc.: *See—*
Phillips, Leonard R., 3,827,202.

Sterling, Remko C. Apparatus for removing foreign objects from tire threads. 3,815,447, 6-11-74, Cl. 81-3.00r.

Sterling Square Sprinkler Company, Inc.: *See—*
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Seckler, David; and Porat, David, 3,802,627.

Sterling Tool Company: *See—*
Freres, Donald E., 3,839,974.

Sterling, Walter S.; and Vergobbi, Robert W., to Pneumatic Scale Corporation. Container-orienting apparatus. 3,822,031, 7-2-74, Cl. 221-10.000.

Sterling, Walter S.; and Vergobbi, Robert W., to Pneumatic Scale Corporation. Container orienting apparatus. 3,833,111, 9-3-74, Cl. 198-255.000.

Sterlini, Jacques, to Societe Anonyme: Compagnie Electro-Mecanique. Intimate gas-liquid contact method and apparatus. 3,811,663, 5-21-74, Cl. 261-151.000.

Sterman, Albert P.: *See—*
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Sterman, Albert P.; Solda, Robert B.; and Auxier, Thomas A., to General Electric Company. Cooled high strength turbine bucket. 3,844,678, 10-29-74, Cl. 416-97.000.

Stermann, Peter Henry, to BP Chemicals, Limited. Thermosetting compositions comprising high vinyl butadine polymer and a free radical initiator. 3,794,638, 2-26-74, Cl. 260-94.70a.

Stern, Andre: *See—*
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Stern, Arthur M.: *See—*
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Stern, David M.: *See—*
Hurd, Edward T. E., III; and Stern, David M., 3,814,227.

Stern, Eric P. Illuminated book support. 3,790,770, 2-5-74, Cl. 240-2.00p.

Stern, Ernest: *See—*
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Stern, George; and Roche, William F., to United Nuclear Corporation. Shaped nuclear fissionable bodies. 3,823,067, 7-9-74, Cl. 176-66.000.

Stern, Gerhard: *See—*
Weinrotter, Ferdinand; Bohler, Walter; and Stern, Gerhard, 3,806,508.
Weinrotter, Fredinand; Muller, Walter; Krulla, Wilfried; and Stern, Gerhard, 3,837,835.

Stern, Herman Abraham: *See—*
Gardiner, Arthur Noel; and Stern, Herman Abraham, 3,808,769.

Stern, Herman Abraham, to RCA Corporation. Method of closing a liquid crystal device. 3,807,127, 4-30-74, Cl. 53-43.000.

Stern, Howard R.: *See—*
Fox, James H.; Leung, Han-Chung; and Stern, Howard R., 3,784,210.

Stern, Leif Einar, to Kritbruksbolaget i Malmo AB. Composition of matter for controlling oil pollution preferably oil discharge in water. 3,812,973, 5-28-74, Cl. 210-502.000.

Stern, Lionel. Method of making aluminum lead alloys. 3,837,902, 9-24-74, Cl. 117-114.00r.

Stern, Mitchel. Brake accessory for rolls of toilet paper and the like. 3,850,379, 11-26-74, Cl. 242-55.200.

Stern, Robert: *See—*
Lassau, Christian; Stern, Robert; and Sajus, Lucien, 3,784,481.

Stern, Sidney Charles; Eldridge, Ralph Gray; Johnson, John Clark; and Beaver, David Karl, to Enviro/Tech Sciences, Inc. Calibrated electrostatic charge detector and method for measuring the strenth of electrostatic fields. 3,824,454, 7-16-74, Cl. 324-32.00.

Sternbach, Henryk: *See—*
Ning, Robert Ye-Fong; and Sternbach, Henryk, 3,801,569.

Sternbach, Leo Henryk: *See—*
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Sternback, Leo Henryk: *See—*
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Sternbeck, Olaf, to Telefonaktiebolaget L M Ericsson. Integrated amplifier. 3,825,848, 7-23-74, Cl. 330-17.000.

Sternberg, Herbert B., to Automated Reference Corporation. Vehicle identification apparatus and indenting method and mandrel. 3,832,878, 9-3-74, Cl. 72-370.000.

Sternberg, Herbert B., to Automated Reference Corporation. Vehicle identification apparatus. 3,839,807, 10-8-74, Cl. 40-2.200.

Sternberg, Ingvar Per Mikael; Gustaffson, Lars Lennart; Samuelson, Henry Ebbe Arvid; and Wallin, Sven-Erik, to Studentlitteratur AB. Systems for correcting of processing so-called diagnostic tests of multiple choice type. 3,793,472, 2-19-74, Cl. 35-48.00a.

Sternberg, James C.: *See—*
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Sternberg, James C., to Beckman Instruments, Inc. Rate sensing batch analyzer. 3,857,771, 12-31-74, Cl. 204-195.00b.

Sternberg, Ronald Frederick; Koppelmann, Roger Fred; and Mill, Rolf K., to United States of America, Navy. Passive holography system. 3,789,354, 1-29-74, Cl. 340-5.00h.

Sternberg, Stanley R.; Young, James E.; and Lennington, John W., to Bergishagen, Finn, Abbott, John S. and said Young, James E., Lennington, John W., and Sternberg, Stanley assors. to said Hutchinson, Kenneth A. Method and system for the infrared analysis f gases. 3,790,797, 2-5-74, Cl. 250-345.000.

Sternberg, Stanley R.; Young, James E.; and Lennington, John W., to Bergishagen, Finn, Abbott, John S. and said Young, James E., Lennington, John W., and said Sternberg, Stanley assors. to said Hutchinson, Kenneth A. Method and system for the infrared analsis of gases. 3,790,798, 2-5-74, Cl. 250-345.000.

Sterne, Frank: *See—*
Cahnman, Hugo N.; Sterne, Frank; and Canfield, Douglas M., 3,833,975.

Sterner, Nils Olov Bruno: *See—*
Hernestam, Sven Erik Harry; Sterner, Nils Olov Bruno; and Lassen, Jorgen Buus, 3,816,433.

Sternjakob, Rolf: *See—*
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Sternung, Sven Y.; and Cowden, Earl T., to North Electric Company. Time sharing of a supervisory receiver unit. 3,821,484, 6-28-74, Cl. 179-18.0eb.

Sterrett, John D.; and Baeslack, Alfred J., to Westinghouse Electric Corporation. Method and apparatus for controlling crown in a plate rolling mill. 3,793,859, 2-26-74, Cl. 72-8.000.

Sterrett, John D.; and Baeslack, Alfred J., to Westinghouse Electric Corporation. System and method for controlling gauge and crown in a plate rolling mill. 3,803,886, 4-16-74, Cl. 72-8.000.

Sterwin Chemicals, Inc., mesne: *See—*
Kosmos, John C., 3,850,766.

Sterzer, Fred, to RCA Corporation. Semiconductor memory element. 3,805,125, 4-16-74, Cl. 317-234.00v.

Sterzer, Fred, to RCA Corporation. Semiconductor delay lines using three terminal transferred electron devices. 3,848,141, 11-12-74, Cl. 307-293.000.

Stetler, Dwight L.: *See—*
Jones, Charles Wright; and Stetler, Dwight L., 3,800,677.

Stetson-Ross Machine Company, Inc.: *See—*
Albrecht, Dennis W., 3,854,614.

Stetsuk, Paul, to I-T-E Imperial Corporation. Shunt trip device with integrally mounted auxiliary switch. 3,815,058, 6-4-74, Cl. 335-8.000.

Stetter, Georg; and Pieper, Eberhard. Pump for concrete and the like. 3,829,254, 8-13-74, Cl. 417-517.000.

Stettler, Wayne J.: *See—*
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Stettner & Co.: *See—*
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Stettner, Ernest R.: *See—*
Stoltman, Donald D.; and Stettner, Ernest R., 3,834,843.

Steuby, Thomas A. Valve. 3,782,410, 1-1-74, Cl. 137-496.000.

Steudler, Frederick W., Jr., to Vallorbs Jewel Company, The. Water fountain system. 3,789,800, 2-5-74, Cl. 119-18.000.

Steudler, Frederick W., Jr., to Vallorbs Jewel Company. Water fountain. 3,804,068, 4-16-74, Cl. 119-81.000.

Steuernagel, Gerhard: *See—*
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Steuernagel, Walter: *See—*
Ertl, Dietrich; Eishold, Horst-Gunter; Gilles, Helmut; Schmolling, Gunther; Steuernagel, Walter; and Nitz, Jurgen, 3,783,589.

Steuernagel, Walter, to Metallgesellschaft Aktiengesellschaft. Collector electrode for electrostatic precipitator. 3,793,804, 2-26-74, Cl. 55-112.000.

Steuerwald, Wilfred Lee Roy, to Deere & Company. Mower guard. 3,844,095, 10-29-74, Cl. 56-310.000.

Steuerwald, Wilfred Leeroy: *See—*
Nelsen, Arlyn Ray; and Steuerwald, Wilfred Leeroy, 3,791,115.

Steuler Industriewerke G.m.b.H.: *See—*
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Steunenberg, Robert K.: *See—*
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Steury, Howard C.: *See—*
Woody, Albert L.; Audiffred, Sidney J.; and Steury, Howard C., 3,831,726.

Steusloff, Adalbert; deceased (by Steusloff, Herta; heiress). Apparatus for boring and burnishing internal cylindrical surfaces of metallic workpieces. 3,795,957, 3-12-74, Cl. 29-90.000.

Steusloff, Herta: *See—*
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Steveling, Robert C.: *See—*
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Helton, Donald C.; and Steveling, Robert C., 3,843,867.

Stevels, Albert Leendert Nicolaas: *See—*
Ligtenberg, Martinus Adrianus Cornelis; Stevels, Albert Leendert Nicolaas; and De Pauw, Agnes Desiree Maria, 3,825,763.

Steven, Gary: *See—*
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Steven, Gary. Vanadium-containing tool steel, article. 3,809,541, 5-7-74, Cl. 29-192.000.

Steven Manufacturing Company: *See—*
Campbell, Ernest C., Jr., 3,807,085.

Stevens, A. Brian: *See—*
Hardy, John C.; and Stevens, A. Brian, 3,823,876.

Stevens, Brooks, Jr., to Riggs & Lombard, Inc. Method for processing knit goods and the like. 3,802,839, 4-9-74, Cl. 8-151.000.

Stevens, Duane M. Trailer mover. 3,826,324, 7-30-74, Cl. 180-6.500.

Stevens, Earl S.: *See—*
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Ronan, Charles R.; and Stevens, Earl S., 3,817,810.

Stevens, Elbert M. Float valve. 3,791,404, 2-12-74, Cl. 137-433.000.

Stevens, Elbert M. Water-conserving pressure converter. 3,813,701, 6-4-74, Cl. 4-26.000.

Stevens, Elbert M. Pile driving method. 3,817,040, 6-18-74, Cl. 61-53.500.

Stevens Engineering, Incorporated: *See—*
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Stevens, Eric H.: *See—*
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Stevens, F. Bradley, to L & L Products, Inc. Beam construction. 3,829,149, 8-13-74, Cl. 296-28.00r.

Stevens, Franklyn, Jr., to Cohn, Sigmund, Corporation. Gold alloy composition. 3,846,125, 11-5-74, Cl. 75-165.000.

Stevens, Frederick F., Jr., to Hoff-Stevens, Inc. Keg tapping device having improved sealing means. 3,843,172, 10-22-74, Cl. 285-137.00r.

Stevens, Harold E., to Coaxial Dynamics, Inc. Directional coupler for transmission lines. 3,829,770, 8-13-74, Cl. 324-95.000.

Stevens, Harry A.; and Randolph, Allan E., Sr., to Dayton Progress Corporation. Die and spring assemblies having particular application to stripper plates. 3,848,496, 11-19-74, Cl. 83-133.000.

Stevens, Harry G.; and Smith, Robert E., to Dayton Progress Corporation. Spring assemblies having particular application to forming dies. 3,842,645, 10-22-74, Cl. 72-344.000.

Stevens, Harry S., to Harmon Industries, Inc. Pulse operated tachometer with highest speed memory. 3,818,342, 6-18-74, Cl. 324-169.000.

Stevens, Henry C.: *See—*
Doran, Thomas J., Jr.; and Stevens, Henry C., 3,821,133.

Stevens, J. P., & Co., Inc.: *See—*
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Hansen, Ralph H., 3,823,560.
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Tesoro, Giuliana C.; Sello, Stephen B.; and Wurster, Rudolf F., 3,832,132.
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Williams, Joel L.; and Stannett, Vivian T., 3,814,676.

Stevens, Jack D. Miniature radio receiver. 3,826,987, 7-30-74, Cl. 325-361.000.

Stevens, Jackie D.: *See—*
Porter, John H.; Krebs, William A.; Stevens, Jackie D.; and Dobbin, Robert G., 3,818,257.

Stevens, Jacques; and George, Michel, to Solvay & Cie. Catalysts and process for the polymerization of olefins. 3,787,384, 1-22-74, Cl. 94-9.0da.

Stevens, James K., to Monsanto Company. Cellular polyurethane-bitumen-plastic composite. 3,802,950, 4-9-74, Cl. 161-160.000.

Stevens, Joe E.: *See—*
Stevens, Ray C.; and Stevens, Joe E., 3,827,650.

Stevens, John N., to Catug Corporation. Single hull tug and barge construction. 3,815,539, 6-11-74, Cl. 114-235.00r.

Stevens, Joseph E.: *See—*
Hall, George B., Jr.; and Stevens, Joseph E., 3,820,494.

Stevens, Keith Drummond: *See—*
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Morton, John; Stevens, Keith Drummond; and Thexton, Graham Spencer, 3,826,962.

Stevens, Laurence G.: *See—*
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Stevens, Peter, 20% to Lee, Raymond, Organization, Inc., The. Low pressure warning system for a tire. 3,835,808, 9-17-74, Cl. 116-34.00r.

Stevens, Peter P., Jr. Child resistant safety closure. 3,831,797, 8-27-74, Cl. 215-9.000.

Stevens, Peter S. Multiple hand tool. 3,798,687, 3-26-74, Cl. 7-5.100.

Stevens, Ray C.; and Stevens, Joe E. Truck mounted wrapper cable storage means. 3,827,650, 8-6-74, Cl. 242-86.50r.

Stevens, Richard C.: *See—*
Baker, Theodore H.; Chafghaichi, Majid; and Stevens, Richard C., 3,801,905.
Baker, Theodore H.; Stevens, Richard C.; and Tzou, Albert J., 3,851,245.

Stevens, Richard L.: *See—*
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Plackmann, Daniel G.; Stevens, Richard L.; Greenwood, Arthur R.; and Kiel, Wesley L., 3,839,196.

Stevens, Robert T., to American Home Products Corporation. Scored tablet breaker. 3,815,802, 6-11-74, Cl. 225-93.000.

Stevens, Robert T., to American Home Products Corporation. Process for the uniform distribution of a drug on a granulated base. 3,836,618, 9-17-74, Cl. 264-101.000.

Stevens, Robert W.: *See—*
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,819,945.
Egan, Dale W.; Holstrom, Geoffrey B.; Lord, Harry C.; Stevens, Robert W.; Port, Darrell P.; and Howard, Rollen D., 3,836,237.

Stevens, Roger H.: *See—*
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Stevens, Roger H., to International Farm Systems, Inc. Method for converting animal waste products into a food supplement. 3,846,558, 11-5-74, Cl. 426-2.000.

Stevens, Roger H., to International Farm Systems, Inc. Method for converting animal waste products into a food supplement. 3,846,559, 11-5-74, Cl. 426-2.000.

Stevens, Simon, to U.S. Philips Corporation. Stretcher. 3,781,929, 1-1-74, Cl. 5-81.00r.

Stevens, Thomas F., to Warner & Swasey Company, The, mesne. Grinding wheel truing control apparatus. 3,798,845, 3-26-74, Cl. 51-165.870.

Stevens, Travis E., to Rohm & Haas Company. Esters of pentaerythritol and process for preparing. 3,787,465, 1-22-74, Cl. 260-440.000.

Stevens, Travis E.; and Reed, Samuel F., Jr., to United States of America, Army, mesne. Acrylyloxyacetylferrocene and copolymers thereof. 3,843,700, 10-22-74, Cl. 260-439.0cy.

Stevens, Travis E.; and Reed, Samuel F., Jr., to United States of America, Army, mesne. Ferrocene-containing monomers. 3,847,958, 11-12-74, Cl. 260-439.0cy.

Stevens, Travis E.; and Reed, Samuel F., Jr. Ferrocene containing monomers and copolymers. 3,857,870, 12-31-74, Cl. 260-439.0cy.

Stevens, Walter Chandler, Jr.: *See—*
Ridenour, Ralph G.; and Stevens, Walter Chandler, Jr., 3,803,897.
Ridenour, Ralph G.; and Stevens, Walter Chandler, Jr., 3,807,778.

Stevens, Wayne E.: *See—*
Wyndham, John L.; Stevens, Wayne E.; and McCauley, Philip J., 3,791,790.

Stevens, Weldon L. Prefabricated outside steel doors. 3,832,805, 9-3-74, Cl. 49-503.000.

Stevens, William C., Jr.: *See—*
Marshall, Philip; and Stevens, William C., Jr., 3,842,661.

Stevens, William Henry, II, to Morris, Philip, Incorporated. Dermatone cutting blade assembly. 3,857,178, 12-31-74, Cl. 30-344.000.

Stevens, William L., to Lee, Raymond, Organization, Inc., The. Non-integral hazardous electrical potential indicating device. 3,803,488, 4-9-74, Cl. 324-133.000.

Stevenson, Alastair Kershaw: *See—*
Fowler, Albert Lewis; and Stevenson, Alastair Kershaw, 3,840,851.

Stevenson, Basil Charles James: *See—*
Morley, Charles Gordon; Stevenson, Basil Charles James; Bedder, Llewllyn James; and Wells, Arthur Henry, 3,810,528.

Stevenson, Bernard H. Sewage treatment apparatus. 3,837,494, 9-24-74, Cl. 210-259.000.

Stevenson, Clarence H., III. Live storage conveyor system. 3,826,349, 7-30-74, Cl. 198-81.000.

Stevenson, David A.; Rhines, Walden C.; and Maruska, Herbert P. Gallium nitride metal-semiconductor junction light emitting diode. 3,819,974, 6-25-74, Cl. 313-499.000.

Stevenson, David Michael: *See—*
Belohoubek, Erwin Franz; and Stevenson, David Michael, 3,825,805.

Stevenson, Gary E.: *See—*
Boebel, Carl P.; and Stevenson, Gary E., 3,810,777.

Stevenson, Gerald W. Variable speed transmission. 3,854,348, 12-17-74, Cl. 74-774.000.

Stevenson, James S. Storage tank. 3,856,274, 12-24-74, Cl. 259-109.000.

Stevenson, John L.; and Archibald, William E., to Cosden Oil & Chemical Company. Distillation of aromatic ketone from aromatic alcohol with acid. 3,819,492, 6-25-74, Cl. 203-34.000.

Stevenson, Norman R. Ramp assembly for loading dock. 3,839,761, 10-8-74, Cl. 14-71.000.

Stevenson, Philip J.; and Falik, Andrew M., to Monsanto Company. Non-woven parachute fabric. 3,795,376, 3-5-74, Cl. 244-145.000.

Stevenson, Robert S. Dispenser and slide valve for use therein. 3,814,294, 6-4-74, Cl. 222-181.000.

Stevenson, Timothy John; and Yardy, Raymond. Servo system for positioning data transducer. 3,821,804, 6-28-74, Cl. 360-77.000.

Stevenson, Warren H.: *See—*
Mikhail, Edward M.; Stevenson, Warren H.; Kurtz, Maurice K., Jr.; and Balasubramanian, N., 3,820,895.

Stevenson, William H., III, to Ocean Trove Development Corporation. Method for rehydrating dried foodstuffs. 3,804,959, 4-16-74, Cl. 426-376.000.

Stevenson, William W., to Minnesota Mining and Manufacturing Company. Artificial roll-up field. 3,782,663, 1-1-74, Cl. 242-55.000.

Steverlynck, Bernard Charles-Louis, to Weefantomaten Picanol N.V. Warp unwinder for weaving looms. 3,802,467, 4-9-74, Cl. 139-108.000.

Steverlynck, Bernard Charles-Louis, to Weefautomolent, Picanol, Naamloze Vennootschap. Driving device for weaving looms. 3,805,849, 4-23-74, Cl. 139-1.00r.

Steward, Henry A.: *See—*
Ball, Harry; and Steward, Henry A., 3,791,527.
Ball, Harry; and Steward, Henry A., 3,826,370.

Steward-Warner Corporation: *See—*
Powell, Patrick L., 3,807,350.

Stewart & Stevenson Services, Inc.: *See—*
Mitchell, Robert W., 3,791,682.

Stewart, A. Theodore Jar.; and Dyer, Gene H., to Bechtel International Corporation. Bituminous coal liquefaction process. 3,850,738, 11-26-74, Cl. 208-8.000.

Stewart, Alan, to International Telephone and Telegraph Corporation. Electronic hybrid amplifier. 3,855,431, 12-17-74, Cl. 179-170.0nc.

Stewart, Alice. Three-dimensional stichery ornaments, apparatus and method for making same. 3,781,954, 1-1-74, Cl. 28-15.000.

Stewart, Alice. Method for making three-dimensional stitchery ornaments. 3,833,977, 9-10-74, Cl. 28-77.000.

Stewart, Allstair Templeton: *See—*
Love, Ronald Barr; and Stewart, Allstair Templeton, 3,790,342.

Stewart, Arthur H. Appliance for paint cans or the like. 3,819,140, 6-25-74, Cl. 248-110.000.

Stewart, Arthur H. Safety accessories for ladders. 3,856,112, 12-24-74, Cl. 182-172.000.

Stewart, Aubrey P., Jr., to Stewart, Aubrey P., Jr., mesne. Acid-steam sterilization. 3,839,843, 10-8-74, Cl. 53-37.000.

Stewart, Aubrey P., Jr., mesne: *See—*
Stewart, Aubrey P., Jr., 3,839,843.

Stewart, C. Jim, & Stevenson, Inc.: *See—*
Baugh, Hollis A., 3,820,600.
De Vries, Douwe; and Gilmore, Samuel E., 3,827,668.
De Vries, Douwe, 3,839,608.
de Vries, Douwe; and Calhoun, Charles W., 3,843,923.

Stewart, Calvin R. Flow control valve for intravenous fluids. 3,785,378, 1-15-74, Cl. 128-214.00c.

Stewart, Clarence E.: *See—*
Kommers, William J.; and Stewart, Clarence E., 3,797,743.

Stewart, Daniel R.: *See—*
Planchock, Jerry L.; Stewart, Daniel R.; and Brock, Thomas W., 3,841,950.

Stewart, David F.: *See—*
Speers, Samuel F.; Stewart, David F.; Leboda, Henry J.; and Quattrochi, Michael E., 3,796,370.

Stewart, David John, to National Research Development Corporation. Photoelectric transducer. 3,842,353, 10-15-74, Cl. 324-109.000.

Stewart, David, Jr.: *See—*
Seaman, William; and Stewart, David, Jr., 3,803,010.

Stewart, David S.: *See—*
Pedersen, Charles R.; and Stewart, David S., 3,803,351.

Stewart, David S., to Zenith Radio Corporation. Video disk latching hub assembly. 3,838,460, 9-24-74, Cl. 360-99.000.

Stewart, David S., to Zenith Radio Corporation. Carriage assembly for a video disc playback deck. 3,852,816, 12-3-74, Cl. 360-86.000.

Stewart, David Samuel, to Regina Glass Fibre Limited. Method and apparatus for the continuous production of a web or mat of staple fibres. 3,844,751, 10-29-74, Cl. 65-4.000.

Stewart, Donald D.: *See—*
Spivack, Mark A.; Stewart, Donald D.; and Tittman, Frederick R., 3,830,733.

Stewart, Donald E.; and Stonehouse, Thomas J.; deceased (by Stonehouse, Penny L.; administratrix), to Atwood Corporation. Boat pole light base assembly. 3,833,800, 9-3-74, Cl. 240-7.500.

Stewart, Donald Fergusson; and Pollard, Leslie John, to ICI Australia Limited. Process for producing metallic iron concentrates and titanium oxide concentrates from titaniferous ores. 3,816,099, 6-11-74, Cl. 75-1.000.

Stewart, Donald Fergusson; and Pollard, Leslie John, to ICI Australia Limited. Process of beneficiating titaniferous ore in the presence of hydrogen chloride. 3,854,929, 12-17-74, Cl. 75-1.000.

Stewart, Douglas John. Valve clearance measuring apparatus. 3,829,979, 8-20-74, Cl. 33-180.0at.

Stewart, Durwood, to SCM Corporation. Ribbon guide for typewriter ribbon cartridge. 3,799,315, 3-26-74, Cl. 197-151.000.

Stewart, Edward F., to International Telephone and Telegraph Corporation. Test arrangement for a two-wire telephone channer. 3,790,723, 2-5-74, Cl. 179-175.300.

Stewart, Edward F., to International Telephone and Telegraph Corporation. Differential loop current detector. 3,812,303, 5-21-74, Cl. 179-175.30r.

Stewart, Edward F., to International Telephone and Telegraph Corporation. Tone detection and switching circuit. 3,852,675, 12-3-74, Cl. 328-138.000.

Stewart, Edward J.; and Olson, James B., to California Computer Products, Inc. Photo-electric protection system for plotter. 3,792,260, 2-12-74, Cl. 250-215.000.

Stewart, Eugene E., to Goodyear Aerospace Corporation. Laser measuring or monitoring system. 3,826,576, 7-30-74, Cl. 356-164.000.

Stewart, Felix I. Auger drill and conveyor. 3,791,464, 2-12-74, Cl. 175-88.000.

Stewart, Felix I. Apparatus for cleaning muddy water. 3,799,349, 3-26-74, Cl. 210-154.000.

Stewart, Floyd C.; Weeks, Daniel W.; and Belcher, Brian E., to TOCOM, Inc. Noise control system for transmission network. 3,846,703, 11-5-74, Cl. 325-53.000.

Stewart, George A. Pressurized driving mechanism. 3,850,448, 11-26-74, Cl. 280-216.000.

Stewart, George W.: *See—*
Bartok, Stephen; Klose, George J.; and Stewart, George W., 3,800,058.

Stewart, Graham G.; and Earl, Allan E., to Labalt Breweres of Canada, Limited. Extraction and purification of maltotriose and maltotetrose. 3,788,910, 1-29-74, Cl. 195-11.000.

Stewart, Harry M. Counter fixture. 3,829,187, 8-13-74, Cl. 312-140.100.

Stewart, Ian. *See—*
Sheridan, Anthony Terence; and Stewart, Ian, 3,840,219.

Stewart, Jack D.: *See—*
Keathley, Anthony C.; Oberley, Gene L.; Peace, Roderick J.; and Stewart, Jack D., 3,795,970.
La Lena, George A.; and Stewart, Jack D., 3,791,186.
Oberley, Gene L.; and Stewart, Jack D., 3,791,187.

Stewart, Jack D., to Princeton Metal Systems Corporation. Pre-loading apparatus. 3,821,888, 7-2-74, Cl. 72-60.000.

Stewart, Jack F.: *See—*
Darlinger, Edward P.; Downs, William; and Stewart, Jack F., 3,834,129.

Stewart, James A., to GTE Automatic Electric Laboratories Incorporated. Automatic disconnect circuit for reducing dial pulse distortion and noise in a subscriber carrier telephone system. 3,840,703, 10-8-74, Cl. 179-2.50r.

Stewart, James E. Weatherproofing cover for roadbed. 3,803,777, 4-16-74, Cl. 52-11.000.

Stewart, James R.: *See—*
Lutts, Carlton G.; and Stewart, James R., 3,856,294.
Waksman, David; and Stewart, James R., 3,799,833.

Stewart, James R., to GTE Lenkurt Incorporated. Slidable door fastener for weatherproof housing. 3,811,225, 5-21-74, Cl. 49-463.000.

Stewart, Joe K. Oil recovery apparatus. 3,794,175, 2-26-74, Cl. 210-242.000.

Stewart, John A.: *See—*
Haven, Harold A.; and Stewart, John A., 3,832,662.

Stewart, John D.; and Heslep, Milton E., to Dow Chemical Company. Method of filling subterranean voids with a particulate material. 3,817,039, 6-18-74, Cl. 61-35.000.

Stewart, John D.; and Hesler, Milton E., to Dow Chemical Company, The. Method of filling subterranean voids with a particulate material. 3,852,967, 12-10-74, Cl. 61-35.000.

Stewart, John Kenneth, to Canron, Inc. Multi-headed tamper staggered operation. 3,808,976, 5-7-74, Cl. 104-12.000.

Stewart, John Stewart Simpson. Oligaemic shock assessment apparatus. 3,818,895, 6-25-74, Cl. 128-2.00f.

Stewart, Kenneth James, to Dresser Industries, Inc. Cantry crane. 3,784,028, 1-8-74, Cl. 212-11.000.

Stewart, Larry C.; and Taylor, Stephan C. Surveyor's target. 3,813,791, 6-4-74, Cl. 33-263.000.

Stewart, Lawrence L., Jr.; and Hartung, Homer A., to Morris, Philip, Incorporated. Cigarette ventilation achieved with coated wrapper. 3,805,799, 4-23-74, Cl. 131-9.000.

Stewart, Marvin C.: *See—*
Picunko, Thomas; and Stewart, Marvin C., 3,817,632.

Stewart, Marvin C., to Union Carbide Corporation. Calibration circuit suitable for centrifugal type chemical analyzer. 3,806,718, 4-23-74, Cl. 235-156.000.

Stewart, Marvin C., to Union Carbide Corporation. Averaging circuit suitable for centrifugal type chemical analyzer. 3,807,630, 4-30-74, Cl. 235-156.000.

Stewart, Merlin D. Musical instrument support. 3,811,357, 5-21-74, Cl. 84-327.000.

Stewart, Ned L. Anchoring apparatus. 3,830,457, 8-20-74, Cl. 248-361.00a.

Stewart, Norvin G., to Otis Engineering Corporation. Well flow controlling system and apparatus. 3,792,732, 2-19-74, Cl. 166-315.000.

Stewart, Oliver M.; Maringer, Robert E.; and Mobley, Carroll E., Jr., to Battelle Development Corporation, The. Method of producing continuous filaments using a rotating heat-extracting member. 3,812,901, 5-28-74, Cl. 164-87.000.

Stewart, Peter H.: *See—*
Kiess, Raymond W.; and Stewart, Peter H., 3,819,276.
Kiess, Raymond W.; and Stewart, Peter H., 3,833,864.

Stewart Plastics Limited: *See—*
Dugan-Chapman, Charles, 3,818,634.

Stewart, Richard D., to General Electric Company. Imaging device having solid-state target. 3,840,740, 10-8-74, Cl. 250-211.00j.

Stewart, Richard F. Apparatus and method for automatically digitizing line patterns. 3,848,089, 11-12-74, Cl. 178-18.000.

Stewart, Robert D., to Occidental Petroleum Corporation. Process for manufacturing of antimony trichloride. 3,787,557, 1-22-74, Cl. 423-87.000.

Stewart, Robert M.: *See—*
Snyder, George F.; and Stewart, Robert M., 3,814,712.

Stewart, Robert S., to Westinghouse Electric Corporation. Dual function low pressure cutout for refrigeration system. 3,796,062, 3-12-74, Cl. 62-203.000.

Stewart, Robert S., to Westinghouse Electric Corporation. Timed shutdown control circuit for electric refrigeration and air conditioning systems. 3,796,892, 3-12-74, Cl. 307-141.400.

Stewart, Ronald D.: *See—*
Wong, Roger W.; and Stewart, Ronald D., 3,828,228.

Stewart, Stanly J. Elongated liquid marker. 3,788,753, 1-29-74, Cl. 401-134.000.

Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., to Shippers Automation, Inc. Portable railway car mover. 3,826,198, 7-30-74, Cl. 105-90.00a.

Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., to Shippers Automation, Inc. Portable railway car mover. 3,826,199, 7-30-74, Cl. 105-90.00a.

Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., to Shippers Automation, Inc. Portable railway car mover. 3,826,200, 7-30-74, Cl. 105-90.00a.

Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., to Shippers Automation, Inc. Portable railway car mover. 3,826,201, 7-30-74, Cl. 105-90.00a.

Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., to Shippers Automation, Inc. Portable railway car mover. 3,828,690, 8-13-74, Cl. 105-90.00a.

Stewart, Thomas D.: *See—*.
Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., 3,826,198.
Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., 3,826,199.
Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., 3,826,200.
Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., 3,826,201.
Stewart, T. Dale; Stewart, Thomas D.; and Hautau, Charles F., 3,828,690.

Stewart, Vernon G.: *See—*
Visser, Ronald C.; and Stewart, Vernon G., 3,851,714.

Stewart, Victor E., Jr., to McGraw-Edison Company. Multi-signal encoder and transponder. 3,829,835, 8-13-74, Cl. 340-151.000.

Stewart, William F.; Whittingham, John B.; and Perkins, Geoffrey R., to Perkins Engines Limited. Method for making a center gear crankshaft. 3,795,032, 3-5-74, Cl. 29-6.000.

Stewart, William G., to Kooltronic Fan Company. Heat exchanger using U-tube heat pipes. 3,807,493, 4-30-74, Cl. 165-105.000.

Stewart, William S.: *See—*
Smith, Dexter E.; and Stewart, William S., 3,817,962.

Stewart, Wilton A. Light table film or sheet spool peripheral drive. 3,798,807, 3-26-74, Cl. 40-31.000.

Stewart- Warner Corporation: *See—*
Brouwer, Frans, 3,852,590.

Stewart-Decatur Security Systems, Incorporated: *See—*
Butt, Gerald L., 3,837,117.

Stewart-Warner Corporation: *See—*
Fontana, Frank J., 3,831,959.
Treland, Robert G.; and Tramontini, Vernon N., 3,800,866.

Stewing, Albert. Method of joining synthetic-resin tubes. 3,847,694, 11-12-74, Cl. 156-86.000.

Steyermark, Paul R. Method for decontaminating chemical warfare agents. 3,810,788, 5-14-74, Cl. 134-42.000.

Steyermark, Paul R., to Grace, W. R., & Co. Composition for decontaminating chemical warfare agents. 3,810,842, 5-14-74, Cl. 252-153.000.

Stibbe Machinery Limited: *See—*
Harris, Ronald, 3,818,723.
Swanwick, Barry Frederick; Mowbray, Melton; Roper, Colin Vincent; and Cell, Dennis, 3,791,177.

Stibbe-Monk Developments Limited: *See—*
Gell, Dennis, 3,831,261.
Ladyman, Francis Peter; and Gaunt, Dennis, 3,783,643.

Stibbs, Donald; Thompson, Raymond; and Young, Oswald William John, to United States Borax & Chemical Corporation. Inhibiting grain-growth in ceramic materials. 3,811,899, 5-21-74, Cl. 106-43.000.

Stich, Ernest, 50% interest to Dreier-Saner, Urs. Finned-tube heat exchanger. 3,847,213, 11-12-74, Cl. 165-181.000.

Stich, Frederick A.: *See—*
Geiersbach, Allois F.; and Stich, Frederick A., 3,784,888.
Price, Raymond G.; Stich, Frederick A.; and Moore, David L., 3,803,471.
Price, Raymond G.; and Stich, Frederick A., 3,828,235.

Stich, Frederick A., to Allis-Chalmers Corporation. Variable time ratio control having speed potentiometer failure protection. 3,803,473, 4-9-74, Cl. 318-341.000.

Stich, Frederick A.; and Schwantes, Glenn W., to Allis-Chalmers Corporation. Electronically commutated motor. 3,840,790, 10-8-74, Cl. 318-254.000.

Stich, Frederick A., to Allis-Chalmers Corporation. Control having conduction limit means to vary duty cycle of power switch. 3,855,520, 12-17-74, Cl. 323-19.000.

Stichling Revalidatie Research Schiedam: *See—*
Kroes, Willem Jacobus, 3,800,453.

Stichting Ontwikkeling Verpakkingsmethaden In de Zuivelindustrie: *See—*
Frieling, Teunis; and Bruggencate, Teunis Ten, 3,849,227.

Stichting Waterbouwkundig Laboratorium: *See—*
Vlasblom, Adriaan, 3,829,981.

Stick N'Dip, Inc.: *See—*
Price, Dan M., 3,840,678.

Stickle, Daniel T. Taco shell machine. 3,785,273, 1-15-74, Cl. 99-404.000.

Stickler, Charles F. Plumbing connection. 3,831,983, 8-27-74, Cl. 285-12.000.

Stickler, Charles W., Jr., to Gray Tech Industries, Inc. Collapsible interior form for a monolithic structure. 3,847,341, 11-12-74, Cl. 249-27.000.

Stickler, Charles W., Jr., to Grey Tech Industries, Inc. Hinged roof and sidewall forms for a monolithic structure. 3,847,521, 11-12-74, Cl. 425-62.000.

Stickney, Arthur C.: *See—*
Wilbur, Robert L.; and Stickney, Arthur C., 3,842,674.

Stickney, Arthur C., to Eastern Company, The. Acceleration and deceleration sensing and indicating system for boats and the like vessels. 3,824,577, 7-16-74, Cl. 340-262.000.

Stickney, William A.: *See—*
Hunter, Willard L.; and Stickney, William A., 3,857,701.
Hunter, William L.; Paulson, Danton L.; and Stickney, William A., 3,854,936.

Stidham, James F. Automatic feed dispensing apparatus. 3,800,746, 4-2-74, Cl. 119-56.00r.

Stiebel, Ariel, to Radex Corporation. Digital foot measuring instrument. 3,834,029, 9-10-74, Cl. 33-3.00c.

Stiebel, Ariel I., to McLaughlin, Ward & Co. Electronic rotational sensor. 3,845,375, 10-29-74, Cl. 318-463.000.

Stiefel, Harold A., Jr. Volumetric filling device. 3,827,610, 8-6-74, Cl. 222r440.000.

Stiefelmeyer, Guenther; and Schumm, Guenther. Arranagement for compensating for changes in the operating characteristics of a measuring element. 3,835,313, 9-10-74, Cl. 250-206.000.

Stiefken, Charles Ernest, to American Smelting and Refining Company. Coating asbestos fiber with aluminum sulfate prior to forming a cement-asbestos slurry from the treated fibers to enhance the filtering characteristics of the slurries. 3,832,280, 8-27-74 Cl. 162-154.000.

Stieg, Robert W., to Mask Trucks, Inc. Torque proportioning and spin limiting differential. 3,792,628, 2-19-74, Cl. 74-714.000.

Stieglitz, Henry Gilbert: *See*—
Landauer, LeRoy; Blakslee, Edward Leroy; Abraham, Benjamin Ichak; and Stieglitz, Henry Gilbert, 3,847,786.

Stielau, Robert W.: *See*—
Douglas, Frank C.; Gregory, Thomas K.; and Stielau, Robert W., 3,811,940.

Stieler, Frank R., to RCM Corporation. Rolling door operating mechanism. 3,842,892, 10-22-74, Cl. 160-133.000.

Stieler, Konrad: *See*—
Muncke, Ludwig; Buchmuller, Josef; and Stieler, Konrad, 3,808,949.

Stier, Otto, to Vollmer Werke Maschinenfabrik GmbH. Device for adjusting the end feed position of Oscillating feed mechanism. 3,850,052, 11-26-74, Cl. 76-77.000.

Stier, Paul G.: *See*—
Modert, E. Lamar; and Stier, Paul G., 3,837,041.

Stierlin, Hans. Absorption-refrigeration plant with auxiliary gas. 3,820,356, 6-28-74, Cl. 62-490.000.

Stievenart, Emile Frans: *See*—
Blanc, Marie Jean; and Stievenart, Emile Frans, 3,848,133.

Stievenart, Emile Frans; and Verbruggen, Herman Fernand, to AGFA-Gevaert. Photographic processing apparatus. 3,833,918, 9-3-74, Cl. 354-321.000.

Stievenart, Emile Frans; Van Bouwel, Leo Paul; and Plessers, Hendrik Sylvester, to Agfa-Gevaert N.V. Radiographic film cassette. 3,836,783, 9-17-74, Cl. 250-481.000.

Stievenart, Emile Frans; Deconinck, Hugo Frans; and Muller, Jurgen, to Agfa-Gevaert Aktiengesellschaft. Apparatus for wet treatment of sheet or strip material. 3,854,446, 12-17-74, Cl. 118-223.000.

Stievenart, Emile Frans; and Mueller, Juergen, to Agfa-Gevaert Aktiengesellschaft. Apparatus for wet treatment of photosensitive material. 3,858,229, 12-31-74, Cl. 354-331.000.

Stiff, Rodney Allan; and Ruback, Keith Leonard, to Massey-Ferguson (Australia) Limited. Trash separator for sugar cane harvesters. 3,788,048, 1-29-74, Cl. 55-406.000.

Stiffel, Henry R. Rotary lock protection member. 3,795,123, 3-5-74, Cl. 70-417.000.

Stiffler, Jack J., to Raytheon Company. High reliability system employing subelement redundancy. 3,805,039, 4-16-74, Cl. 235-153.0ae.

Stiftelsen Institutet for mikrovagsteknik vid Tekniska Hogskolan i Stockholm: *See*—
Berggren, Benny; and Boling, Goran, 3,848,106.

Stiftelsen Skogsmekanisering: *See*—
Wiklund, Per Martin, 3,857,425.

Stiftung, Carl Zeiss: *See*—
Hohberg, Gerhard, 3,843,269.

Stig, Hallerback: *See*—
Ingemar, Fernlund; and Stig, Hallerback, 3,809,447.

Stigberg, Jon D.: *See*—
Houck, Walter H.; and Stigberg, Jon D., 3,848,190.

Stiger, Clyde W.: *See*—
Simonton, Robert D.; Schultz, Carl D.; and Stiger, Clyde W., 3,841,672.

Stigler, Anton, to Olin Energy Systems Ltd. Particulate material pressing apparatus. 3,820,934, 6-28-74, Cl. 425-405.00h.

Stigler, Joseph T., to Rostgo International Corporation, mesne. Container filling machine. 3,841,363, 10-15-74, Cl. 141-142.000.

Stiglich, Jacob J., Jr., to Boride Products, Inc. Armor. 3,804,034, 4-16-74, Cl. 109-80.000.

Stihl, Andreas, Maschinenfabrik: *See*—
Schulin, Gotthilf, 3,845,827.

Stijfs, Petrus A. M. J.: *See*—
Groen, Siemen H.; Deumens, Johannes J. M.; and Stijfs, Petrus A. M. J., 3,843,659.

Stikkelbroeck, Josephus Gerardus Henricus: *See*—
Gommans, Huberts Johannes Josephus; and Stikkelbroeck, Josephus Gerardus Henricus, 3,804,972.

Stiles, Alvin B., to Du Pont de Nemours, E. I., and Company. Preparation of catalysts useful in oxidation of SO gases. 3,789,019, 1-29-74, Cl. 252-440.000.

Stiles, Alvin B., to Du Pont de Nemours, E. I., and Company. Highly-active supported catalysts. 3,794,588, 2-26-74, Cl. 252-462.000.

Stiles, Claude J.: *See*—
Baum, Henry T.; and Stiles, Claude J., 3,846,073.

Stiles, Denis Arthur: *See*—
Hollister, Ralph George; and Stiles, Denis Arthur, 3,782,077.

Stiles, Janice L.: *See*—
Meissner, Helmuth E.; Orso, Francis L.; Pierce, Timothy E.; and Stiles, Janice L., 3,804,650.

Stiles, John C.; and Albert, William C., to Singer Company, The. Gimbal slip ring. 3,837,229, 9-24-74, Cl. 74-5.00r.

Stiles, John L.; and Ziehl, Herbert E., to General Motors Corporation. Fluid pump noise reduction means. 3,844,696, 10-29-74, Cl. 418-181.000.

Stiles, Wade; and Dunan, George V. R. Beach-protectors. 3,842,606, 10-22-74, Cl. 61-38.000.

Still, Carl, Firma: *See*—
Knappstein, Johannes; Thiersch, Friedrich; and Schuch, Werner, 3,801,470.
Knappstein, Johannes; and Voges, Jan, 3,809,622.
Tippmer, Kurt; and Laufhutte, Dieter, 3,789,105.

Still, William L. Telemetry system for drill bore holes. 3,793,632, 2-19-74, Cl. 340-18.0nc.

Stiller, Eric T.; Levine, Seymour D.; Principe, Pacifico A.; and Diassi, Patrick A., to Squibb, E. R., & Sons, Inc. Fluorene-2-acetic acids and derivatives, composition and method of using. 3,856,977, 12-24-74, Cl. 424-317.000.

Stiller, Paul F., to Cornell Aeronautical Laboratory, Inc. Apparatus for counting, differentiating and sorting particles according to their microstructure variations. 3,790,760, 2-5-74, Cl. 235-92.0pc.

Stillhard, Bruno: *See*—
Schwertfeger, Walter; and Stillhard, Bruno, 3,825,235.

Stillman, Albert H., Jr. Fountain spray system for swimming pools. 3,831,852, 8-27-74, Cl. 239-201.000.

Stillman, Albert H., Jr. Swimming pool coping. 3,839,748, 10-8-74, Cl. 4-172.210.

Stillman, Donald W.: *See*—
Bagheri, Mansour A. H.; and Stillman, Donald W., 3,843,984.

Stillman, Edwin L.: *See*—
Given, William T.; and Stillman, Edwin L., 3,808,408.

Stillman, Neil W.: *See*—
Bungs, Janis A.; and Stillman, Neil W., 3,796,583.
Lieb, Donald F.; and Stillman, Neil W., 3,856,642.

Stillman, Phillip A.: *See*—
McCann, Gary D., 3,806,013.

Stillman, Stephen L., Jr., to Sanders Associates, Inc. Underwater signalling system. 3,800,271, 3-26-74, Cl. 340-2.000.

Stillman, Stephen L., Jr., to Sanders Associates, Inc. Subsurface current utilizing buoy system. 3,818,523, 6-25-74, Cl. 9-8.00r.

Stillson, Timothy Jay: *See*—
Gianni, Sebastian J.; Seeley, William M.; Stillson, Timothy Jay; Hamilton, Clark B.; and Barker, Perley K., 3,844,131.

Stillwagon, James E., to Aluminum Company of America. Metal foil for heating and cooling foods. 3,836,064, 9-17-74, Cl. 229-3.5mf.

Stima, Joseph Frank: *See*—
Mostow, John Hinckley; and Stima, Joseph Frank, 3,853,780.

Stimeling, David F., to Mack Trucks, Inc. Fan shroud for an engine cooling system. 3,854,459, 12-17-74, Cl. 123-41.040.

Stimson, Ian Leonard; Dowell, Frederick Sidney; and Healy, Benedict Pascal, to Dunlop Limited. Wheel assemblies. 3,829,162, 8-13-74, Cl. 301-6.00a.

Stimson, Ian Leonard; Dowell, Frederick Sidney; and Healy, Benedict Pascal, to Dunlop Limited. Wheel assemblies. 3,836,201, 9-17-74, Cl. 301-6.00a.

Stimson, Ian Leonard, to Dunlop Limited. Composite articles. 3,857,469, 12-31-74, Cl. 192-107.00m.

Stimson, Ronald M., to Eastman Kodak Company. Magnetic composition for deposit on sound recording tape or motion picture film. 3,808,136, 4-30-74, Cl. 252-62.540.

Stinchcomb, William C. Time and distance indicating balancing toy. 3,837,644, 9-24-74, Cl. 273-1.00r.

Stine, Clifford R., to Moore, Samuel, & Company. Composite tubing. 3,853,149, 12-10-74, Cl. 138-111.000.

Stine, John L. Expandable cover system. 3,845,591, 11-5-74, Cl. 52-67.000.

Stine, Laurence A.; and Conner, Algie J., to Universal Oil Products Company. Fluidized catalyst regeneration by oxidation in a dense phase bed and a dilute phase transport riser. 3,844,973, 10-29-74, Cl. 252-417.000.

Stine, Laurence O.: *See*—
Winter, George R., III; Stine, Laurence O.; and Vande Ven, John E., 3,786,682.

Stine, Laurence O.; and Hemler, Charles L., Jr., to Universal Oil Products Company. Fluid catalytic cracking process employing a catalyst heating zone. 3,838,036, 9-24-74, Cl. 208-120.000.

Stine, Robert Darrell, Jr.: *See*—
Anderson, Robert L.; and Stine, Robert Darrell, Jr., 3,832,569.

Stiner, James E.: *See*—
Sasnett, Russell M.; and Stiner, James E., 3,806,090.

Stingl, Hans Alfred, to Toms River Chemical Corporation. Nitrodiphenylamine dyestuffs. 3,821,200, 6-28-74, Cl. 260-239.700.

Stingl, Hans Alfred, to Toms River Chemical Corporation. Dialkylamino disazo sulfonic acid dyestuffs. 3,823,131, 7-9-74, Cl. 260-186.000.

Stinn, Allan J.: *See*—

Kiser, Fred W.; and Stinn, Allan J., 3,832,807.

Stinsa, Ernest E. Fuel injection system for multiple cylinder internal combustion engine. 3,815,563, 6-11-74, Cl. 123-139.00r.

Stinson, Donald B., Jr.: *See*—
Schwartz, Robert B.; Banerjea, Tara N.; and Stinson, Donald B., Jr., 3,826,050.

Stinson, John William: *See*—
Fremont, Robert Emil; Guertin, Alfred Thomas; Fay, Charles Robert; and Stinson, John William, 3,845,287.

Stinson, Ralph G. Movable bidet. 3,812,543, 5-28-74, Cl. 4-7.000.

Stipanov, Jerome A. Fish ejector system. 3,820,342, 6-28-74, Cl. 61-21.000.

Stipanuk, John M.: *See*—
Walter, John; Chambers, Worthy L.; and Stipanuk, John M., 3,791,597.
Walter, John; Chambers, Worthy L.; and Stipanuk, John M., 3,837,587.

Stippich, Garold L. Luggage attachment for tandem-wheeled vehicle. 3,795,354, 3-5-74, Cl. 224-32.00a.

Stirewalt, Homer A. Electronic executing device for moles, gophers and the like. 3,827,176, 8-6-74, Cl. 43-98.000.

Stirling, Harold T.: *See*—
Holowaty, Michael O.; and Stirling, Harold T., 3,833,343.

Stirling, James Alexander; and Carlton, Gordon. Mechanical handling of goods. 3,790,010, 2-5-74, Cl. 214-152.000.

Stirling, John Mowat Miller; and Colgan, John Francis, to Institute for Industrial Research and Standards. Construction of stabilised platform. 3,840,265, 10-8-74, Cl. 296-19.000.

Stirling, Robert L. Internal combustion steam generating system. 3,854,283, 12-17-74, Cl. 60-39.170.

Stirnemann, Max Lehner. Apparatus for fabricating price shields or the like consisting of a price tag or label printed by a balance and a label support. 3,847,704, 11-12-74, Cl. 156-364.000.

Stirrup, Keith A.: *See*—
Haitz, Roland H.; Sedlewicz, Paul G.; Stirrup, Keith A.; Hilbiber, David F.; and Teichner, Robert W., 3,836,793.

Stirton, Alexander J.: *See*—
Bistline, Raymond G., Jr.; Smith, Frank D.; Weil, James K.; and Stirton, Alexander J., 3,808,200.
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Stith, Joe D.: *See*—
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Coburn, Orin W.; and Stith, Joe D., 3,831,236.

Stitt, David Malcolm: *See*—
Wilkinson, Raymond Westrop; Newton, John; and Stitt, David Malcolm, 3,839,270.

Stitt Spark Plug Company: *See*—
Brenholts, Alfred R., 3,792,694.

Stitt, Thomas C. Conveyor tire alarm system. 3,851,321, 11-26-74, Cl. 340-229.000.

Stivers, David A., to Minnesota Mining and Manufacturing Company. Hydrates as curing aids. 3,809,672, 5-7-74, Cl. 260-42.270.

Stivers, Edward C.; and Fischer, Christopher L., to Raychem Corporation. Needle foot shoe for knitting needly. 3,842,626, 10-22-74, Cl. 66-123.000.

Stjernstrom, Nils Erik: *See*—
Bondesson, Ulf Goran; Carlson, Lars Anders Fritz; Hedbom, Christina; Magnusson, Harry Olof; and Stjernstrom, Nils Erik, 3,846,445.

Stoakes, Richard Lewis. Structural assemblies. 3,798,862, 3-26-74, Cl. 52-397.000.

Stobb, Anton R. Method for bundling, transporting, and feeding sheets. 3,825,134, 7-23-74, Cl. 214-152.000.

Stobb, Anton R., to Stobb, Inc. Sheet stack handling apparatus. 3,853,234, 12-10-74, Cl. 214-300.000.

Stobb Development Corporation, Inc.: *See*—
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Stobb, Inc.: *See*—
Stobb, Anton R., 3,853,234.

Stobb, Rudolph, to Stobb Development Corporation, Inc. Apparatus for stacking flexible sheets. 3,822,793, 7-9-74, Cl. 214-6.00h.

Stober, Helmut: *See*—
Letzel, Karl; Stober, Helmut; and Nickel, Elmar, 3,797,605.
Letzel, Karl; Stober, Helmut; and Nickel, Elmar, 3,838,747.

Stober, Leslie V., Jr.; and Mathis, Victor C. Drafting instrument. 3,791,036, 2-12-74, Cl. 33-27.00c.

Stober, Paul, to Gebr. Stober. Variable ratio friction transmission. 3,851,534, 12-3-74, Cl. 74-193.000.

Stoch, Kurt: *See*—
Winter, Werner; Thiel, Max; Stoch, Kurt; Schaumann, Wolfgang; Dietmann, Karl; and Ritter, Klaus, 3,803,324.

Stock, Arthur; and Baxter, Alan William, said Stock assor. to Rohm and Haas Company. Production of monochlorodimethyl ether. 3,832,406, 8-27-74, Cl. 260-614.00l.

Stock, Arthur J.; Christofer, Donald E.; and Brinza, Joseph E., to Stock Equipment Company. Method and apparatus for filling and closing containers. 3,835,617, 9-17-74, Cl. 53-21.000.

Stock, Edwin Henry, to Intertherm, Inc. Spin-flanging tool. 3,812,698, 5-28-74, Cl. 72-71.000.

Stock Equipment Company: *See*—
Homer, John C., III; and Stock, John R., 3,836,838.
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Stock, Hans Joachim: *See*—
Oelmayer, Reinhold; Seelos, Albert; Reif, Winfried; Nagy, Denes; and Stock, Hans Joachim, 3,783,275.

Stock, John R.: *See*—
Homer, John C., III; and Stock, John R., 3,836,838.

Stock, Norman Astor: *See*—
Nelson, John Edward; and Stock, Norman Astor, 3,844,184.

Stock, Robert. Three dimensional reticulated structure. 3,825,465, 7-23-74, Cl. 161-112.000.

Stock, W. Riley; Balsiger, Melvin M.; and Beran, William G., to Tektronix, Inc. Photographic apparatus. 3,809,888, 5-7-74, Cl. 250-213.00r.

Stock, William G.: *See*—
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Stockbridge, Bruce W.: *See*—
Spaller, Albert E., Jr.; and Stockbridge, Bruce W., 3,826,163.

Stockbridge, Bruce W.; and Spaller, Albert E., Jr., to Eastman Kodak Company. Apparatus for forming an interference pattern of multiple indentations in the interior wall of conveying tubes. 3,824,827, 7-23-74, Cl. 72-123.000.

Stockbridge, John M., to General Motors Corporation. Accumulating lift-and-carry conveyor. 3,825,109, 7-23-74, Cl. 198-219.000.

Stockburger, Dieter: *See*—
Goelz, Horst; Stockburger, Dieter; Saeuberlich, Manfred; Mueller, Frank; Fuchs, Hartwig; and Von Erden Karl, 3,818,002.
Klocke, Hans Joachim; Stockburger, Dieter; Gierth, Volker; and Zeitler, Gerhard, 3,813,375.
Schenk, Walter; and Stockburger, Dieter, 3,805,870.

Stockdale, George Fairbank: *See*—
Carlson, David Emil; Hang, Warren Kenneth; and Stockdale, George Fairbank, 3,811,855.

Stockdale, John A. D.: *See*—
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Stockdale, Willis L.: *See*—
Epperson, David C.; and Stockdale, Willis L., 3,802,983.

Stockel, Dieter: *See*—
Schneider, Friedrich; and Stockel, Dieter, 3,796,100.

Stockel, Wilhelm, to Pfaff Industriemaschinen GmbH. Sewing machine with equipment for sewing of edge-parallel seams. 3,782,310, 1-1-74, Cl. 112-153.000.

Stocker, Emil; deceased (by Stocker-Boller, Heidi Berta; representative); Schnabel, Ernfred; and Klein, Georg Anton, to Ciba-Geigy AG. Polyazo pigments of the 2-hydroxy-naphthalene-3-carboxylic acidarylide series. 3,832,339, 8-27-74, Cl. 260-144.000.

Stocker, Herman Walter, to Burroughs Corporation. Velocity control system for reel-to-reel web drive. 3,842,326, 10-15-74, Cl. 318-7.000.

Stocker, Hermann Walter: *See*—
Coon, Lewis Buel, Jr.; and Stocker, Hermann Walter, 3,805,284.

Stocker, Horst, to Masserschmitt-Bolkow-Blohm Gesellschaft mit beschrankter Haftung. Railway vehicle with a guide switching apparatus. 3,799,062, 3-26-74, Cl. 104-105.000.

Stocker, Kurt F.: *See*—
Percs, Edmund E.; Stocker, Kurt F.; Blomback, Birger; Blomback, Margareta; and Hessel, Birgit, 3,849,252.

Stocker-Boller, Heidi Berta: *See*—
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Stockert, Heinz: *See*—
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Stockham, William M., to Automix Keyboards, Inc. Justifying apparatus. 3,805,940, 4-23-74, Cl. 197-20.000.

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Stockinger, Friedrich: *See*—
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Stockman, James R.: *See*—
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Stockman, Richard F., to Air Preheater Company, Inc., The. Controlled temperature incinerator. 3,807,321, 4-30-74, Cl. 110-8.00r.

Stockman, Richard F., to Air Preheater Company, Inc. The. Ash removal system. 3,847,296, 11-12-74, Cl. 110-165.00r.

Stockman, Robert Michael, to American Radionic Co., Inc. Wound capacitor. 3,792,323, 2-12-74, Cl. 317-260.000.

Stockmann, Hans H.: *See*—
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Stockton, Richard B.: *See—*
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Stockton, Richard B.; Hunter, Roger A.; and Croy, Milton G., said Croy and said Hunter assors. to said Stockton, Richard B. Telephone call indicator. 3,819,873, 6-25-74, Cl. 179-84.00l.
Stockton, Thomas Edward: *See—*
Marinelli, Donald Paul; and Stockton, Thomas Edward, 3,825,449.
Stockton, Thomas R.: *See—*
Knowles, James; and Stockton, Thomas R., 3,817,660.
Stockton, Thomas R., to Ford Motor Company. Gas turbine engine regenerator. 3,791,138, 2-12-74, Cl. 60-39.51h.
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Stockwell, Richard Kent, to Hewlett-Packard Company. Calculator with key code association and display features. 3,855,461, 12-17-74, Cl. 235-156.000.
Stocton, Paul M.: *See—*
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Stoddard, David L.; Balbas, Frank M.; and Brown, David A., to Memorex Corporation. Flexible disc drive. 3,815,150, 6-4-74, Cl. 360-97.000.
Stoddard, Nicholas J.: *See—*
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Stoddard, Robert W.: *See—*
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Stoeberl, Helmut. Boat hull. 3,840,926, 10-15-74, Cl. 9-6.000.
Stoeberl, Hermut. Boat hull and deck assembly. 3,811,141, 5-21-74, Cl. 9-6.000.
Stoeck, Georg: *See—*
Lauer, Karl; Bodka, Heinz-Gunter; and Stoeck, Georg, 3,785,864.
Stoeckel, Albert L., to Picker Corporation, mesne. Scintillation scanner with remote control aperture. 3,784,818, 1-8-74, Cl. 250-368.000.
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Stoecker, Karl M., to Heinrich Machinery & Tool Mfg. Co., Inc. Vibrator, especially a self propelled reversible tamper. 3,832,080, 8-27-74, Cl. 404-133.000.
Stoeckler, Hans Adolf: *See—*
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Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Stoepel, Kurt; and Bayer Aktiengesellschaft, 3,855,231.
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Stoessel, Hermann V.; and Kountz, Jack M., to Hesston Corporation. Forage harvester having header mounter feeder rolls. 3,818,685, 6-25-74, Cl. 56-98.000.
Stoesser, William F.: *See—*
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Stoetzer, Ernst-Joachim; Wassmuth, Heinrich; and Abraham, Andreas, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of low-density nitrocellulose granules. 3,824,108, 7-16-74, Cl. 106-128.000.
Stofey, William D.; and Judd, H. Edward, to Etna Products, Inc. Method and apparatus for controlled lubrication during metal drawing. 3,850,016, 11-26-74, Cl. 72-45.000.
Stoff, Werner, to Ge-Na-Geschenke Gebr. Nagel KG. Thermally actuated mobile. 3,811,990, 5-21-74, Cl. 161-12.000.
Stoffel, John F., to Stoffel Seals Corporation. Turkey and roast lifter sling. 3,784,069, 1-8-74, Cl. 224-49.000.
Stoffel, Paul J., to Monsanto Company. Insecticidal compositions and methods employing trifluoromethyl substituted benzanilides. 3,814,806, 6-4-74, Cl. 424-324.000.
Stoffel, Robert W., to International Engineering Service, Inc. Seat belt retractor with gear wheel actuated locking means. 3,819,126, 6-25-74, Cl. 242-107.400.
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Stog, Wilhelm, to Stog, W., KG Industrie- und Rohrleitungsbau. Expansion joint. 3,854,835, 12-17-74, Cl. 404-68.000.
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Stohr, Jacques Andre, to Commissariat a l'Energie Atomique. Assembly of substantially parallel metallic surfaces. 3,848,314, 11-19-74, Cl. 29-191.000.
Stoia, Harry J. Lock. 3,815,390, 6-11-74, Cl. 70-134.000.
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Stoke, Richard C., to Varian Associates. Dither tuned microwave tube. 3,852,638, 12-3-74, Cl. 315-39.610.
Stokes, Bennie J. Radiator cleaning tank. 3,815,616, 6-11-74, Cl. 134-105.000.
Stokes, Charles S.: *See—*
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Stokes, James D., to Goodyear Tire & Rubber Company, The. Tire building method and machine. 3,816,202, 6-11-74, Cl. 156-123.000.
Stokes, John B.: *See—*
Noneman, Thomas S.; Smith, Thomas R.; and Stokes, John B., 3,796,474.
Stokes, John H.; and Cousins, Alexander G., to Sanitas Company Limited, The. Treatment of sewage. 3,846,301, 11-5-74, Cl. 210-60.000.
Stokes, Rembert Ryan, to Bell Telephone Laboratories, Incorporated. Keyboard switch assembly with conductive diaphragm operators and rotary switch operators for adjustably selecting a multidigit number. 3,798,394, 3-19-74, Cl. 200-5.00a.
Stokes, Richard William: *See—*
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Stokes, Roger Francis; and Hunt, Brian John, to Lucas, Joseph, (Industries) Limited. Method of joining a pair of silicon nitride parts. 3,833,348, 9-3-74, Cl. 65-43.000.
Stokke, James A.; and Langdon, Robert S., to General Electric Company. Dynamoelectric machine. 3,793,543, 2-19-74, Cl. 310-90.000.
Stokland, Sigmund. Combine harvesters. 3,853,131, 12-10-74, Cl. 130-27.00f.
Stolarik, Eugene, to Control Techniques Corporation. Pendulum-type inertia sensor switch. 3,835,273, 9-10-74, Cl. 200-61.480.
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Stoliar, Arthur P.; and Brown, Richard T., Jr., to Sperry Rand Corporation. Apparatus and method for measuring extinction coefficient of an atmospheric scattering medium. 3,782,824, 1-1-74, Cl. 356-103.000.
Stolin, Billy L.; and Brown, Ronald D., to Caterpillar Tractor Company. Torch height control for flame cutting machines. 3,823,928, 7-16-74, Cl. 266-23.00m.

Stolkin, Igancio; and Kotzsch, Hans-Joachim, to Dynamit Nobel Aktiengesellschaft. Process for the catalytic fluorination of saturated and unsaturated halogenated hydrocarbons. 3,803,241, 4-9-74, Cl. 260-593.00h.
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Stone, Neil. Navigational receiver failure warning system. 3,820,115, 6-25-74, Cl. 343-107.000.

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Stone, William C., to United States of America, Army, mesne. Tandem solid-hybrid rocket motor. 3,789,610, 2-5-74, Cl. 60-245.000.

Stone, William M.; Brunschwig, John M.; and Zurbuch, Kenneth J., to General Electric Company. Method of mounting and forming dynamoelectric machine components. 3,844,031, 10-29-74, Cl. 29-596.000.

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Storm, James C.; Myers, Thomas A.; and Aucoin, Hubert Paul, 3,805,902.

Storm, James C.; Myers, Thomas A.; and Aucoin, Hubert Paul; deceased (by Aucoin, Blanche Le Blanc; administratrix), to Storm, James C. Well drilling apparatus and method. 3,805,902, 4-23-74, Cl. 175-85.000.

Storm, James P.: *See—*
Bottjer, Richard E.; Johnson, Delp W.; Poole, William F.; and Storm, James P., 3,808,754.

Storm Manufacturing Company: *See—*
Morrison, Jimmie H., 3,844,818.

Storm, Robert M., to French Oil Mill Machinery Company, The. Screw press. 3,797,383, 3-19-74, Cl. 100-145.000.

Storm, Roger S.: *See—*
Economy, James; and Storm, Roger S., 3,849,362.

Stormer, Joseph R., to General Motors Corporation. Method for manufacturing welded piston shock absorbers. 3,816,701, 6-11-74, Cl. 219-152.000.

Stormont, James D.: *See—*
Balluff, Robert N.; and Stormont, James D., 3,809,539.

Storp, Klaus; and Hohne, Reinhard, to Metallgesellschaft Aktiengesellschaft. Activated carbon catalyst impregnated with SiO_2. 3,790,659, 2-5-74, Cl. 423-224.000.

Story, Albert Girard: *See—*
Bisbee, Charles; Story, Albert Girard; and Servici, Cesar Juan, 3,841,275.

Story, Hugh Goodman: *See—*
Reynolds, Stuart Arthur; and Story, Hugh Goodman, 3,800,911.

Story, Jake T. Quail harness. 3,783,834, 1-8-74, Cl. 119-96.000.

Story, Laurence A., to SCM (Canada) Ltd. Anti-stain treatment for water-repellent coated lumber in transit. 3,808,037, 4-30-74, Cl. 117-147.000.

Story, Robert S.; and Patel, Arvind S. Replacement motor mounting. 3,787,014, 1-22-74, Cl. 248-14.000.

Story, Samuel M. Saw apparatus particularly useful in cutting rock. 3,815,570, 6-11-74, Cl. 125-14.000.

Story, Thomas A.; and Khuntia, Natabara, to General Motors Corporation. Master link for a crawler tractor. 3,851,932, 12-3-74, Cl. 305-58.000.

Storyboard Display, Inc.: *See—*
Gargas, Frank A., 3,824,723.

Storz, Karl. Endoscope with irrigation means. 3,782,369, 1-1-74, Cl. 128-7.000.

Storz, Karl. Valve for endoscopes. 3,791,379, 2-12-74, Cl. 128-4.000.

Storz, Karl. Method and apparatus for bathing body cavities. 3,841,330, 10-15-74, Cl. 128-230.000.

Storz, Martin: *See—*
Janhsen, Jakobus; and Storz, Martin, 3,830,472.

Storzbach, Werner H., to General Electric Company. Center frequency and bandwidth selection circuit for a frequency selective amplifier. 3,806,824, 4-23-74, Cl. 330-51.000.

Storzel, Karl: *See—*
Ohmayer, Siegfried; and Storzel, Karl, 3,827,536.

Stoss, Peter; and Satzinger, Gerhard, to Warner-Lambert Company. Heterocyclic compounds and processes for their preparation. 3,803,131, 4-9-74, Cl. 260-239.30b.

Stotko, Norbert Anthony, to National Petro Chemicals Corporation, mesne. Separation of olefin polymers. 3,816,383, 6-11-74, Cl. 260-94.90f.

Stottlemyer, William E., to Scott, O. M., & Sons Company, The. Vegetative reproduction of grasses. 3,821,864, 7-2-74, Cl. 47-58.000.

Stotz & Co.: *See—*
Koula, Zdenek, 3,815,552.

Stotzel, Friedhelm; Dobbeler, Erwin; and Vaer, Voldemar, to Schaubstahl-Werke. Well pipe. 3,844,347, 10-29-74, Cl. 166-227.000.

Stotzer, Harry: *See—*
Mentrup, Anton; Zeile, Karl; Danneberg, Peter; Schromm, Kurt; Guenard, Jeanette; Renth, Ernst-Otto; and Stotzer, Harry, 3,846,549.

Stoudt, Thomas H.; and Long, Robert A., to Merck & Co., Inc. Simultaneous steroid oxygenation and 1-dehydrogenation with bacillus cereus. 3,801,460, 4-2-74, Cl. 195-51.00a.

Stoufer, Wilmer B.: *See—*
Wengrow, Henry R.; Stoufer, Wilmer B.; Morris, Charles W.; Leavens, Dwight E.; and Watkins, Gerald S., 3,804,819.

Stoughton, Dan T. Massage apparatus. 3,841,323, 10-15-74, Cl. 128-40.000.

Stoup, Philip T.: *See—*
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Stournas, Stamoulis: *See—*
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Stournas, Stamoulis; Bridger, Robert F.; and Heiba, El Ahmadi I., to Mobil Oil Corporation. Cyclic lubricants containing organophosphorus compounds. 3,795,612, 3-5-74, Cl. 252-46.600.

Stout, Beauford F.; and Hann, George W., to Kodata, Inc. Temperature sensor employing married diode junction means. 3,791,217, 2-12-74, Cl. 73-342.000.

Stout, Bud D., to Commander Industries, Inc. Automatic back rip machine. 3,832,922, 9-3-74, Cl. 83-4.000.

Stout, George H., to Vapor Corporation. System for generating a digital signal indicative of shaft position with automatic error correction. 3,855,585, 12-17-74, Cl. 340-347.0ad.

Stout, Jack L.; and Stout, Jimmy. Scraping device having a twingeable gate. 3,791,455, 2-12-74, Cl. 172-26.500.

Stout, James T., to Mead Corporation, The. Article carrier. 3,784,053, 1-8-74, Cl. 220-113.000.

Stout, James T., to Mead Corporation, The. Article carrier. 3,794,210, 2-26-74, Cl. 206-173.000.

Stout, Jimmy: *See—*
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Stout, John L.: *See—*
Yovich, Daniel J.; Stout, John L.; and Tribbey, Ralph E., 3,845,212.

Stout, Karl J., to Ohio Nuclear, Inc. Real time data compression system. 3,787,827, 1-22-74, Cl. 340-174.10p.

Stout, Lilburn Grady; Butler, Robert F.; and Morris, James Allen, to United States of America, Navy. Gun launched, digital, variable time fuze. 3,793,957, 2-26-74, Cl. 102-70.20r.

Stout, Richard W.; and Brunk, Milton J., to Stoutco, Inc. Axled vehicle support frame assembly. 3,797,850, 3-19-74, Cl. 280-106.00t.

Stout, Roger D., to Paramount Southern Co. Hosiery bander. 3,832,829, 9-3-74, Cl. 53-198.00r.

Stout, Roy F.: *See—*
Knox, John A.; Smith, John A.; and Stout, Roy F., 3,803,042.

Stoutco, Inc.: *See—*
Stout, Richard W.; and Brunk, Milton J., 3,797,850.

Stoutenberg, Carl Christian, to Stanley Works, The. Garden tool sharpener. 3,813,965, 6-4-74, Cl. 76-82.000.

Stoutenberg, Carl Christian, to Stanley Works, The. Handle for rotary hand tool. 3,844,322, 10-29-74, Cl. 145-75.000.

Stoutenberg, Carl Christian; and Rathbun, Richard H., to Stanley Works, The. Stud finder. 3,845,384, 10-29-74, Cl. 324-41.000.

Stouthamer, Bernhard: *See—*
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Stove, Edward Raymond: *See—*
Hardy, Kenneth David; Nayler, John Herbert Charles; and Stove, Edward Raymond, 3,853,849.

Stoveken, Wayne E.: *See—*
Milovich, Dimitrije; and Stoveken, Wayne E., 3,782,744.

Stoveken, Wayne E., 30% to Milovich, Dimitrije. Snow surfboard. 3,782,745, 1-1-74, Cl. 280-18.000.

Stover, David Emmert, to Deere & Company. Fuel tank construction. 3,822,028, 7-2-74, Cl. 220-20.000.

Stover, David Emmert, to Deere & Company. Vehicle bottom guard structure. 3,826,327, 7-30-74, Cl. 180-69.100.

Stover, Harris A., to Collins Radio Company. Distortion compensator for phase modulation systems. 3,810,018, 5-7-74, Cl. 325-30.000.

Stover, Harris A., to Collins Radio Company. Means to prevent coincidental phase modulation in an amplitude modulation transmitter. 3,831,094, 8-20-74, Cl. 325-159.000.

Stover, Joe V.; and Meyers, Byron P., to Hughes Aircraft Company. Fuse. 3,851,290, 11-26-74, Cl. 337-166.000.

Stover, Jordan H., III, to Rockford Screw Products Company. Apparatus for making self-locking bolts. 3,827,268, 8-6-74, Cl. 72-90.000.

Stow, James Albert: *See—*
Cuthbert, John; and Stow, James Albert, 3,784,938.

Stowe, Robert A.: *See—*
Harter, Mark A., 3,830,870.

Stowe, Robert A.; Coulter, Kenneth E.; and Winegardner, David K., to Dow Chemical Company, The. Oxydehydrogenation of mixed C_4 stream. 3,851,008, 11-26-74, Cl. 260-680.00e.

Stowell, Harold Lindsley. Focusing mechanism for underwater camera. 3,827,069, 7-30-74, Cl. 354-64.000.

Stowell, Sheldon J., to Tranter Manufacturing, Inc. Plate type heat exchanger and production. 3,822,742, 7-9-74, Cl. 165-170.000.

Stoy Artur: *See—*
Stoy, Vladimir; Stoy Artur; Kucera, Josef; Prokop, Jaroslav; and Urbanova, Renata, 3,842,151.

Stoy, Artur, to Ceskoslovenska Akademie Ved. Method of manufacturing hydrogels. 3,812,071, 5-21-74, Cl. 260-29.6ta.

Stoy, Vladimir; Stoy Artur; Kucera, Josef; Prokop, Jaroslav; and Urbanova, Renata, to Ceskoslovenska akademie ved. Method for preparing fibers from polymer solutions. 3,842,151, 10-15-74, Cl. 264-203.000.

Stoyell, Loyal A.: *See—*
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Stoyer, Paul Eugene: *See—*
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STP Corporation: *See—*
Scott, Milford M., Jr.; and Wheeler, Floyd J., Jr., 3,812,831.
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Straalsund, Jerry L.: *See—*
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Strabag Bau-A.G.: *See—*
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Strabag Beu-A.G.: *See—*
Feiner, Alfred, 3,811,286.

Straccamore, Armand E. Unique prewrapped box structure and unique method of making same. 3,790,069, 2-5-74, Cl. 229-87.00r.

Strachan & Henshaw Limited: *See—*
Sheppard, Gilbert Leslie, 3,811,580.

Strachan, Gail L.: *See—*
Gilson, John L.; and Strachan, Gail L., 3,823,020.

Strachan, Howard D.: *See—*
Scott, Leonard Frank; Strachan, Howard D.; and McCloskey, Chester M., 3,803,188.

Strachan, Robert: *See—*
Goodhouse, Carl J.; and Strachan, Robert, 3,783,769.

Strachan, Robert G., to Merck & Co., Inc. Process for preparing levcyl-valyl-phenylalanyl methyl ester. 3,843,621, 10-22-74, Cl. 260-112.500.

Strachota, Jaroslav: *See—*
Muck, Eduard; Strachota, Jaroslav; and Horak, Josef, 3,848,024.
Muck, Eduard; Strachota, Jaroslav; and Horak, Josef, 3,852,230.

Strack, Hans A.; and Clark, George D., to Texas Instruments, Incorporated. Fabrication of junction laser devices having mode-suppressing regions. 3,793,094, 2-19-74, Cl. 148-189.000.

Strack, Richard R.: *See—*
Siegmund, Walter P.; and Strack, Richard R., 3,805,387.

Strackbein, Gilbert E. Modulus 10 numbering machine. 3,815,495, 6-11-74, Cl. 101-76.000.

Stracke, Wilfried; and Zimmermann, Max, to Aktiengesellschaft Brown, Boveri & Cie. Nuclear power plant having a closed gas cooling circuit. 3,788,944, 1-29-74, Cl. 176-60.000.

Stracke, Wilfried, to Brown Boveri & Company Limited. Process for operating a gas-cooled nuclear reactor with a standpipe plug having coolant flow there through. 3,816,244, 6-22-74, Cl. 176-60.000.

Stradalen, Yngve Bertil: *See—*
Bjornson, Bjorn Ove; and Stradalen, Yngve Bertil, 3,850,387.
Gustafsson, Melker Emanuel; Stradalen, Yngve Bertil; and Zander, Erik Gustav Ake, 3,837,278.

Stradco, Inc.: *See—*
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Stradco Inventions & Research Co.: *See—*
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Strader, George C.: *See—*
Goldfarb, Adolph E.; Strader, George C.; and Strader, Judy D., 3,837,114.

Strader, James W. Fishing lure. 3,855,721, 12-24-74, Cl. 43-42.320.

Strader, Judy D.: *See—*
Goldfarb, Adolph E.; Strader, George C.; and Strader, Judy D., 3,837,114.

Straehle, Heinz: *See—*
Ahrens, Wilhelm; Lea, Hans; Rohm, Fritz; and Straehle, Heinz, 3,814,387.

Stragier, Marcel G. Non-stop refuse collection system. 3,794,197, 2-26-74, Cl. 214-302.000.

Strahan, Ronald R. Control system for gas-shielded electric welders. 3,811,027, 5-14-74, Cl. 219-74.000.

Strahl, Wolfgang A.; and Nichols, Donald S., to Koracorp Industries, Inc., mesne. Simulated leather fabric. 3,837,983, 9-24-74, Cl. 161-53.000.

Strain, Donny R.; and Martin, Daniel B., to Scott Environmental Technology, Inc. Dynamic gas blending. 3,856,033, 12-24-74, Cl. 137-3.000.

Strain, Edwin H.: *See—*
Das, Nalini R.; and Strain, Edwin H., 3,799,730.

Strain, Franklin, to PPG Industries, Inc. Process using silicate treated asbestos diaphragms for electrolytic cells. 3,847,762, 11-12-74, Cl. 204-98.000.

Strain, Robert Joseph: *See—*
Krambeck, Robert Harold; and Strain, Robert Joseph, 3,831,041.
Silbersmith, Donald Jack; and Strain, Robert Joseph, 3,838,438.

Strain, William E., to Kean Manufacturing Corporation. Clinch-slide nut, panel assembly and method of forming same. 3,809,139, 5-7-74, Cl. 151-41.720.

Strait, Bernard S., Jr.: *See—*
Kilgore, Lee A.; Ratcliffe, Robert E. G.; Smith, Henry L.; and Strait, Bernard S., Jr., 3,809,914.

Straitz, John F., III, to Combustion Unlimited, Incorporated. Flare burner. 3,797,991, 3-19-74, Cl. 431-202.000.

Straitz, John F., III, to Combustion Unlimited, Incorporated. Crude oil burner. 3,797,992, 3-19-74, Cl. 431-285.000.

Straitz, John F., III, to Combustion Unlimited, Incorporated. Ignition apparatus for flare stacks and the like. 3,816,059, 6-11-74, Cl. 431-278.000.

Straitz, John F., III, to Combustion Unlimited Incorporated. Flare gas burner. 3,822,984, 7-9-74, Cl. 431-283.000.

Straitz, John F., III, to Combustion Unlimited Incorporated. Flare stack gas burner. 3,822,985, 7-9-74, Cl. 431-284.000.

Straitz, John F., III, to Combustion Unlimited, Incorporated. Flare stack gas burner. 3,824,073, 7-16-74, Cl. 431-284.000.

Straley, James M.: *See—*
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Straley, Robert J.; and Muller, Victor C., to Fire Sprinkler Control Company. Sprinkler head closure. 3,837,406, 9-24-74, Cl. 169-90.000.

Stranahan, John J.; Hollier, John C. L.; and Deloney, Hugh C., to Texaco, Inc. Smokeless gas flare. 3,829,275, 8-13-74, Cl. 431-4.000.

Stranahan, John Jacob; and Hollier, John Carroll Lee, to Texaco, Inc. High Capacity smokeless flare having a very low gas flow detector. 3,852,019, 12-3-74, Cl. 431-4.000.

Strand, John B. Automatic pressurization system for inflated pool enclosure. 3,810,262, 5-14-74, Cl. 4-172.120.

Strand, Leif W. Loading device for spherical objects. 3,831,574, 8-27-74, Cl. 124-49.000.

Strand, Richard J.: *See—*
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Strand, Robert C.: *See—*
Marion, Donald L.; Hanson, Lawrence R.; and Strand, Robert C., 3,786,012.

Strand, Udd Johannes: *See—*
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Strandberg, Robert C.: *See—*
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Strandell, Per-Olof, to Sandvik Aktiebolag. Moulds. 3,810,382, 5-14-74, Cl. 72-467.000.

Strandell, Per-Olof, to AB Metalform. Rolling method and a rolling mill for carrying out the method. 3,848,447, 11-19-74, Cl. 72-199.000.

Strandh, Holger, to Saab-Scania Aktiebolag. Joystick-type control with strain sensors. 3,832,895, 9-3-74, Cl. 73-133.00r.

Strandine, Eldon J.; Panek, Mitchell W.; and Paige, John S., to Swift & Company. Apparatus for dispatching poultry. 3,805,328, 4-23-74, Cl. 17-11.000.

Strandtmann, Max Von; Connor, David T.; and Shavel, John, Jr., to Warner-Lambert Company. 4-Substituted coumarins. 3,784,600, 1-8-74, Cl. 260-343.20r.

Strang, Aart, to Shell Oil Company. Hydrocarbon fuel compositions. 3,785,790, 1-15-74, Cl. 44-66.000.

Strang, Charles D., to Outboard Marine Corporation. Multi-power-head outboard motor. 3,788,266, 1-29-74, Cl. 115-17.000.

Strang, Charles D., to Outboard Marine Corporation. High performance stern drive. 3,841,257, 10-15-74, Cl. 115-35.000.

Strang, Elmer J.: *See—*
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Strang, Samuel J., to Injection Plastic Co., Inc., The. Self-aligning bearing member. 3,820,861, 6-28-74, Cl. 308-72.000.

Strange, Carl P.: *See—*
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Strange, John, to Firth Cleveland Fastenings Limited. Spring clips. 3,827,815, 8-6-74, Cl. 403-397.000.

Strange, John P., to Mine Safety Appliances Company. Centrifugal filtering apparatus. 3,846,321, 11-5-74, Cl. 210-512.000.

Strange, Lloyd K., to Mobil Oil Corporation. Combination in situ combustion displacement and steam stimulation of producing wells. 3,794,113, 2-26-74, Cl. 166-245.000.

Strange-Hansen, Poul. Teat cup. 3,818,867, 6-25-74, Cl. 119-14.470.

Strangfeld, Reiner, to August Herzog Maschinenfabrik. Guiding unit for braiding spools in braiding machines. 3,795,171, 3-5-74, Cl. 87-50.000.

Straniti, Salvatore: *See—*
Stein, Wolfgang J.; and Straniti, Salvatore, 3,785,435.
Stein, Wolfgang J.; and Straniti, Salvatore, 3,831,674.
Stein, Wolfgang J.; and Straniti, Salvatore, 3,841,790.

Straniti, Salvatore, to Avco Corporation. Turbomachine rotor. 3,847,506, 11-12-74, Cl. 416-244.000.

Stranzinger, Hermann. Floating element, floating assembly, and connecting bolt. 3,824,644, 7-23-74, Cl. 14-27.000.

Strapex AG: *See—*
Glaus, Heinrich; and Jeanmaire, David, 3,851,683.

Strasbaugh, Ray Howard. Lens grinding and polishing units. 3,782,042, 1-1-74, Cl. 51-58.000.

Strasbaugh, Ray Howard. Cylometer. 3,848,339, 11-19-74, Cl. 33-174.00a.

Strasburg, Richard N.; and Critchlow, Ezra F., to Avco Corporation. Aircraft engine flexible coupling. 3,834,181, 9-10-74, Cl. 64-1.00v.

Strash, Alfred: *See—*
Kerlman, Isadore B.; Strash, Alfred; and Kastner, Jacob, 3,831,028.

Strassberger, Werner: *See—*
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Strasser, Heinrich; and Krapinger, Hans. Unbalance vibrator for setting of concrete in sheet-steel-molds of machines for production of concrete-stones or concrete-finished products. 3,792,617, 2-19-74, Cl. 74-87.000.

Strasser, Jurgen H.: *See—*
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Strasser, Jurgen H.; Wood, Philip; Berticevich, Edward N.; and Buchzik, Charles M., to FMC Corporation. Method of and apparatus for turgor conditioning tobacco. 3,817,259, 6-18-74, Cl. 131-140.000.

Strasser, Rudolf: *See—*
Nitzsche, Siegfried; Strasser, Rudolf; and Spork, Helmut, 3,803,195.
Nitzsche, Siegfried; Strasser, Rudolf; Leser, Robert; and Helmut, Spork, 3,816,493.
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Strassler, Siegfried: *See—*
Jaecklin, Andre; and Strassler, Siegfried, 3,786,168.

Strate, Gary Ver; and Kresge, Edward N., to Esso Research and Engineering Company. Free flowing elastomer pellets and process for their preparation. 3,791,913, 2-12-74, Cl. 161-164.000.

Strate, Lowell D. Power edge attachment for tractor. 3,812,917, 5-28-74, Cl. 172-15.000.

Strategic Automated Systems, Inc.: *See—*
Grosbard, Gregory, 3,793,600.

Stratford, Henry Ralph. Aircraft landing gear. 3,784,131, 1-8-74, Cl. 244-102.00r.

Stratienko, Andrew; and Kornsey, Robert J., to Philadelphia Gear Corporation. Tug/barge latching mechanism. 3,827,407, 8-6-74, Cl. 114-235.00a.

Stratienko, Andrew; Kornsey, Robert J.; and Paulhamus, Joseph L., to Philadelphia Gear Corporation. Tug/barge latching mechanism. 3,837,316, 9-24-74, Cl. 114-235.00a.

Stratman, James A.: *See—*
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Stratman, Jerome F.; and Novak, John, to Toppan Company, The. Refuse compactor container assembly. 3,827,352, 8-6-74, Cl. 100-229.00a.

Stratmann, Jerome F.; and Novak, John, to Tappan Company, The. Refuse compactor control system. 3,821,927, 7-2-74, Cl. 100-73.000.

Stratmann, Josef: *See—*
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Stratta, James L. Board for prearranged domino hands. 3,826,500, 7-30-74, Cl. 273-151.000.

Stratton & Terstegge Co., Inc.: *See—*
Dew, Robert C., 3,818,891.

Stratton, Charles A., to Phillips Petroleum Company. Ethoxylated condensation product of a phenol and formaldehyde. 3,830,850, 8-20-74, Cl. 260-613.00b.

Stratton, Charles A., to Phillips Petroleum Company. Method of controlling subterranean formation permeability employing graft-polymerized bacterial gum polysaccharide compositions. 3,844,348, 10-29-74, Cl. 166-246.000.

Stratton, Charlotte D.: *See—*
Meyer, Robert F.; and Stratton, Charlotte D., 3,794,650.

Stratton, Donald W.: *See—*
Moorhead, John P.; and Stratton, Donald W., 3,820,188.

Stratton, Willis T., 20% to Lee, Raymond, Organization, Inc., The. Educational game. 3,814,435, 6-4-74, Cl. 273-135.00b.

Straub, Melvin J.: *See—*

Aanestad, Robert D.; Straub, Melvin J.; and Norgard, Edward J., 3,848,772.

Straub, Melvin J.; and Schuett, Thomas L., to Potsis Corporation. Packaging machine. 3,823,053, 7-9-74, Cl. 156-500.000.

Straub, Robert Joseph: *See—*
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Straub, Steffen, to Bosch, Robert, G.m.b.H. Hydraulic system for automatically adjusting the positions of headlights of an automobile. 3,828,179, 8-6-74, Cl. 240-7.11j.

Straube, David C.: *See—*
Schaffer, Frederick L.; Soergel, Marjorie E.; and Straube, David C., 3,807,604.

Strauber, Hans-Jurgen, to Daimler-Benz Aktiengesellschaft. Internal combustion engine. 3,785,457, 1-15-74, Cl. 184-6.500.

Strauch, Berish; Bloomberg, Allan E.; and Freed, Selwyn Z. Method and device for achieving a penile erection. 3,853,122, 12-10-74, Cl. 128-79.000.

Strauch, Otto R.: *See—*
Ritter, James R.; and Strauch, Otto R., 3,837,806.

Strauff, Gunther, to Langen & Co. Automatic-functioning breather device. 3,816,030, 6-11-74, Cl. 417-299.000.

Strauff, Gunther, to Langen & Co. Stabilization means for motor vehicles. 3,841,653, 10-15-74, Cl. 280-124.00f.

Straughan, Clemens F., to CFS Corporation. Method and apparatus for simultaneously applying to an extended cylindrical object a coating and a plastic film wrapping to retain the coating. 3,813,272, 5-28-74, Cl. 156-468.000.

Straughan, Clemens F.; and Schad, Charles A., to CFS Corporation. Method and apparatus for simultaneously applying to an extended cylindrical object a coating and a plastic film wrapping to retain the coating. 3,832,260, 8-27-74, Cl. 156-390.000.

Straughan, Virgil E.: *See—*
Fotland, Richard A.; and Straughan, Virgil E., 3,797,926.
Fotland, Richard A.; and Straughan, Virgil E., 3,843,250.

Straujups, John E., to Birch Brothers, Inc. Method and apparatus for cutting a web of material in a web winding machine and air lapping a cut end of the material about a winding core in the machine. 3,845,914, 11-5-74, Cl. 242-56.00r.

Straumsnes, O. Robert. System for transfer of goods on railroad trains when in motion. 3,823,671, 7-16-74, Cl. 104-18.000.

Straumsnes, O. Robert. Underseas transport system. 3,823,680, 7-16-74, Cl. 114-.50r.

Straumsnes, O. Robert. Guidance and information system for mobile objects. 3,824,534, 7-16-74, Cl. 340-24.000.

Straus, Andrew J. D., to Mobil Oil Corporation. Logging cable connector. 3,829,814, 8-13-74, Cl. 339-14.00r.

Straus, Thomas M., to Hughes Aircraft Company. Means for providing redundancy of key system components. 3,818,237, 6-18-74, Cl. 307-64.000.

Strausfeld, Hermann, to EMI Electrola Gesellschaft mit beschrankter Haftung. Record presses. 3,830,459, 8-20-74, Cl. 249-79.000.

Strauss, Alan J.: *See—*
Dimmock, John O.; Melngailis, Ivars; and Strauss, Alan J., 3,794,844.

Strauss, Bruce P., to United States of America, Atomic Energy Commission. Method of fabricating composite superconductive electrical conductors. 3,836,404, 9-17-74, Cl. 148-11.50r.

Strauss, Edgar; and Karcher, Charles, to Ruti Machinery Works Ltd. Arrangement for driving weft insertion means. 3,809,130, 5-7-74, Cl. 139-12.000.

Strauss, Edgar H., to Ruti Machinery Works Ltd. Arrangement of movable thread-contacting lamellae on a wave-type loom. 3,785,408, 1-15-74, Cl. 139-12.000.

Strauss, Edmar: *See—*
Schindelmeiser, Fritz; Kaltschmidt, Hans-Jurgen; Strauss, Edmar; and Foth, Siegfried, 3,840,416.

Strauss, Georg: *See—*
Cziska, Johann; Strauss, Georg; Portz, Wilhelm; Komorniczyk, Klaus; and Kandler, Joachim, 3,839,014.

Strauss, Heinz: *See—*
Schmidt-Burbach, Gerhard; Jung, Anton L.; Hubert, Helmut; Lapczyna, Manfred; Ledwon, Erhard; Rock, Wilfried; and Strauss, Heinz, 3,798,879.

Strauss, Howard J.; and Hill, Edward S., to Gould Inc. Dry battery seal and terminal connection. 3,836,400, 9-17-74, Cl. 136-133.000.

Strauss, Karl-Peter, to Rollei-Werke Franke & Heidecke. Single lens reflex camera with correction for effect of stray light. 3,792,485, 2-12-74, Cl. 354-43.000.

Strauss, Karl-Peter; and Koller, Wilhelm, to Rollei-Werke Franke & Heidecke. Electrically controlled photographic camera. 3,842,587, 10-22-74, Cl. 354-3.00d.

Strauss,, Martin L.: *See—*
Strauss, Martin L.; Borsuk, Philip; and Alvarez, William, 3,814,013.

Strauss, Martin L.; Borsuk, Philip; and Alvarez, William, to Strauss,, Martin L. and said Alvarez assor. to said Borsuk, Philip. Stencil printr for measuring and marking carpet rolls. 3,814,013, 6-4-74, Cl. 101-121.000.

Strauss, Michael G., to United States of America, Atomic Energy Commission. Slotted coaxial germanium gamma-ray camera. 3,803,416, 4-9-74, Cl. 250-370.000.

Strauss, Richard: *See—*
Iannazzi, Fred D.; Rafferty, John W.; Sparrow, Donald B.; and Strauss, Richard, 3,833,460.

Strauss, Robert F.; and Lawrenz, Carl F., to Service Dynamics, Inc. Service vehicle for manhole operation. 3,799,244, 3-26-74, Cl. 165-23.000.

Strauss, Walter: *See—*
Bobeck, Andrew Henry; Ciak, Frank John; and Strauss, Walter, 3,820,092.

Strauss, Wennemar; and Michael, Gregor, to Henkel & Cie, GmbH. Nickel electroplating method. 3,839,165, 10-1-74, Cl. 204-49.000.

Straut, Harold J., Jr.; and Weber, Raymond E. Spool and sleeve pneumatic accelerometer. 3,782,207, 1-1-74, Cl. 73-515.000.

Strauts, Eric J.: *See—*
Flaherty, John J.; and Strauts, Eric J., 3,825,820.

Strawberry Advertising Company: *See—*
Selesny, Abraham, 3,832,800.

Strawn, Alvin A.: *See—*
Everitt, Scott F.; Croup, Robert F.; and Strawn, Alvin A., 3,804,195.

Strawn, Charles F., to Johnson Service Company. Control circuit for an electromechanical actuator. 3,848,411, 11-19-74, Cl. 60-432.000.

Strawn, L. C.; and Stanton, Vernon W., Sr. Marina protective wave breaker. 3,822,555, 7-9-74, Cl. 61-6.000.

Strawson Hydraulics (Consultants) Limited: *See—*
Salvin, Keith Thomas; and Lane, David Silvester, 3,858,011.

Strayer, James W.: *See—*
Walton, Roger H.; and Strayer, James W., 3,841,510.

Strazdins, Edward, to American Cyanamid Company. Novel vinylamide dry strength resins and paper containing the same hydrophilic-hydrophobic vinylamide polymers and manufacture of paper. 3,840,489, 10-8-74, Cl. 260-29.6ta.

Strazik, William F.: *See—*
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Perry, Eli; and Strazik, William F., 3,784,624.
Perry, Eli; and Strazik, William F., 3,784,625.
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Perry, Eli; and Strazik, William F., 3,789,080.

Strazza, Richard W.: *See—*
Mohrhauser, John P.; and Strazza, Richard W., 3,808,852.

Strazza, Richard W.; and Mohrhauser, John P. Single-button manipulation mechanism for use in locks and switches. 3,820,362, 6-28-74, Cl. 70-306.000.

Strbik, Joseph J.: *See—*
Hubbard, Harold C.; and Strbik, Joseph J., 3,828,150.

Streander, George W., to Design Systems, Inc. Workpiece edge and corner locating tool. 3,785,057, 1-15-74, Cl. 33-169.00r.

Streander, George W., to Design Systems, Inc. Multi-curve generator. 3,785,245, 1-15-74, Cl. 90-11.00r.

Streander, George W., to Design Systems, Inc. Drafting device. 3,815,245, 6-11-74, Cl. 33-27.00f.

Streat, Emmett B.: *See—*
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Streater, August L., to Franklin Electric Co., Inc. Lightning arrestor. 3,849,704, 11-19-74, Cl. 317-13.00r.

Strebel, Albert, to Maschinenfabrick Burckhardt AG. Device for centrally guiding the working piston in the working cylinders of high-pressure compressors or pumps. 3,801,167, 4-2-74, Cl. 417-90.000.

Strebel, Elwood L., to Vari-Light Corporation. Eutectic mixture of para-alkoxybenzylidene para-N-alkyl anilines. 3,809,656, 5-7-74, Cl. 252-408.000.

Strebel, Elwood L. Organic thermotropic nematic compounds. 3,829,491, 8-13-74, Cl. 260-566.00f.

Strebkov, Dmitry Semenovich: *See—*
Lidorenko, Nikolai Stepanovich; Landsman, Arkady Pavlovich; Strebkov, Dmitry Semenovich; Zaitseva, Aita Konstantinovna; Zadde, Vitaly Vinktorovich; and Kosarev, Viktor Sergeevich, 3,793,713.

Streck, Clemens, to GAF Corporation. Dyestuff solution for acrylic fibers. 3,843,322, 10-22-74, Cl. 8-169.000.

Streck, Poland: *See—*
Nordsiek, Karl-Heinz; and Streck, Poland, 3,816,358.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Catalysts for the ring opening polymerization of cyclic olefins. 3,798,175, 3-19-74, Cl. 252-429.00b.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Polyalkenamers and process for the preparation thereof. 3,804,803, 4-16-74, Cl. 260-47.0ua.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls, A.G. Polyalkenamers and process for the preparation thereof. 3,816,382, 6-11-74, Cl. 260-93.100.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Polyalkenamers and process for the preparation thereof. 3,816,384, 6-11-74, Cl. 260-677.00r.

Streck, Roland; Nordsiek, Karl-Heinz; Weber, Heinrich; and Meyer, Klaus, to Chemische Werke Huls Aktiengesellschaft. Process for the production of copolyalkenamers. 3,821,328, 6-28-74, Cl. 260-884.000.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Polyalkenamers and process for the preparation thereof. 3,836,593, 9-17-74, Cl. 260-677.00r.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Polyalkenamers and process for the preparation thereof. 3,849,509, 11-19-74, Cl. 260-677.00r.

Streck, Roland; and Weber, Heinrich, to Chemische Werke Huls Aktiengesellschaft. Process for the production of polymeric hydrocarbons having reactive silyl end groups. 3,857,825, 12-31-74, Cl. 260-88.10r.

Strecke, Heinz. Program reading mechanism. 3,786,235, 1-15-74, Cl. 235-61.11a.

Strecke, Heinz. Containers for electroplating baths. 3,844,542, 10-29-74, Cl. 259-75.000.

Streckenbach, Barbara: *See—*
Megges, Rudolf; Franke, Renate; Streckenbach, Barbara; Kammann, Gunter; and Repke, Kurt, 3,806,502.

Strecker, Gerald L.; and Schultz, Dennis L., to Gardner-Denver Company. Rotary eccentric fluid motor. 3,791,149, 2-12-74, Cl. 60-543.000.

Strecker, Larry A.: *See—*
Wood, James E.; Strecker, Larry A.; and Cratz, Robert E., 3,830,953.

Strecker, Larry A.; and Wood, James E., to Inmont Corporation. Cable sealant composition and method of sealing cable. 3,836,695, 9-17-74, Cl. 174-23.00c.

Strecker, Larry A.; and Wood, James E., to Inmont Corporation. Cable sealant composition and method of sealing cable. 3,849,354, 11-19-74, Cl. 260-28.50b.

Streckert, Thomas. Veneer handling apparatus. 3,789,979, 2-5-74, Cl. 209-73.000.

Stredwick, Jonathan B.: *See—*
Key, Brian D.; Kingdom Hockings, Michael L.; Lovelace, Michael N. G.; Rankin, Howard C.; and Stredwick, Jonathan B., 3,842,405.

Streel, Dominique, to Cockerill-Ougree-Providence et Esperance-Longdoz en Abrege. Continuous electronic heating device for metallic wire and sheet metal. 3,852,560, 12-3-74, Cl. 219-121.0eb.

Streel, Dominique Thomas, to S.A. Cockerill-Ougree-Providence et Esperance Longdoz en Abrege, "Cockerill". Method of coating steel products. 3,804,679, 4-16-74, Cl. 148-134.000.

Streel, Dominique Thomas Francois Leon, to Cockerill-Ougree-Providence et Esperance-Longdoz en Abrege. Device for the application of a metal coating on the internal cylindrical surface of a hollow body. 3,804,059, 4-16-74, Cl. 118-49.000.

Street, Eric: *See—*
Ward, James Lawrence; and Street, Eric, 3,799,457.

Street, Evan H., Jr.: *See—*
Templeton, Charles C.; Street, Evan H., Jr.; and Richardson, Edwin A., 3,828,854.

Street, Frederick G. Cube forming disc puzzle. 3,811,683, 5-21-74, Cl. 273-157.00r.

Street, George Bryan, to International Business Machines Corporation. Mn_{1-x} M_x Ga Ge Ferromagnetic materials where M comprises transition metals. 3,850,706, 11-26-74, Cl. 148-31.550.

Street, Graham Stewart Brandon. Light-beam steering apparatus. 3,799,644, 3-26-74, Cl. 350-7.000.

Street, I. C.: *See—*
Bravo, Ricardo; and Street, I. C., 3,809,351.

Street, Peter George: *See—*
Bryce, William Dean; and Street, Peter George, 3,817,690.

Street, Thomas R., Jr.: *See—*
Nalooka, Edward C.; and Street, Thomas R., Jr., 3,782,221.

Street, Thomas T.: *See—*
Leibowitz, Lawrence M.; Balfauf, Richard K.; and Street, Thomas T., 3,805,031.

Streeter, Daniel D., Jr. Reinforcement mat for tire. 3,846,216, 11-5-74, Cl. 161-49.000.

Streeter, Daniel I., to Smyth Manufacturing Company, The. Thread overwrap mechinism. 3,797,420, 3-19-74, Cl. 112-21.000.

Streeter, John H.; and Jenkins, Roger M., to Revenue Systems Limited. Data processing apparatus. 3,815,719, 6-11-74, Cl. 194-4.00g.

Streeter, John H.; and Jenkins, Roger M., to Revenue Systems Limited. Clutch mechanisms. 3,820,407, 6-28-74, Cl. 74-112.000.

Strehlke, Peter; and Redmann, Ulrich, to Schering Aktiengesellschaft. 2-(5-Nitro-2-thiazolyl)-benzimidazoles. 3,819,642, 6-25-74, Cl. 260-302.00h.

Strehlke, Peter; Schroder, Eberhard; and Kessler, Hans-Joachim, to Schering Aktiengesellschaft. 2-Acyl-5-nitrothiazole derivatives. 3,830,826, 8-20-74, Cl. 260-302.00h.

Strehlke, Peter, to Schering Aktiengesellschaft. 2-Acyl-5-nitrothiazole derivatives. 3,835,131, 9-10-74, Cl. 260-243.00b.

Strehlow, Richard A.: *See—*
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Strehlow, Robert W., to Rexnord Inc. Dust control system utilizing temporarily stored aggregates. 3,812,889, 5-28-74, Cl. 141-93.000.

Strehlow, Wolfgang H.; Lee, Pui Kum; and Packard, James R., to Minnesota Mining and Manufacturing Company. Hologram memory readout system. 3,836,224, 9-17-74, Cl. 350-3.500.

Streib, Hugo: *See—*
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Streich, Georg; and Bauer, Johann, to Siemens Aktiengesellschaft. Arrangement for adjusting the air gap in an electromagnetic switching apparatus. 3,792,393, 2-12-74, Cl. 335-273.000.

Streich, Margin: *See—*
Juncker, Friedrich; Kranz, Johannes; Streich, Margin; Tanz, Heiner; and Vollrath, Gerd, 3,797,261.

Streicher, Max, to Fordertechnik Steicher GmbH. Adjustable diameter stator for excentric helical screw pump. 3,857,654, 12-31-74, Cl. 418-48.000.

Streicher, Peter, to Tiefbohr-Technik GmbH & Co. Means for damping vibrations of tools in drilling machines or the like. 3,837,758, 9-24-74, Cl. 408-143.000.

Streit, James L. Lesson selector element controlled device for presenting visual and audio lessons and receiving recorded answers on a sound track. 3,782,007, 1-1-74, Cl. 35-8.00a.

Streitz, Federico E. Heat transfer unit. 3,796,255, 3-12-74, Cl. 165-52.000.

Strekalov, Anatoly Vastlievich: *See—*
Bondarev, Konstantin Timofeevich; Golius, Tamara Efimovna; Minakov, Anatoly Gavrilovich; Minakov, Vladimir Anatolievich; and Strekalov, Anatoly Vastlievich, 3,798,014.

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Strekopytov, Tatyana Andreevne: *See—*
Strekorytov, Alexei Alexeevich; Strekopytov, Tatyana Andreevne; Androssva, Tamara Povlovna; and Androsov, Pavel Iosifovich, 3,795,034.

Strekopytova, Tatyana Andreevna: *See—*
Stekopytov, Alexei Alexeevich; Strekopytova, Tatyana Andreevna; Bogush, Lev Konstantinovich; Kuklin, Georgy Sergeevich; Super-Fainshtein, Naum Aronovich; and Severov, Viktor Sergeevich, 3,822,818.

Strekorytov, Alexei Alexeevich; Strekopytov, Tatyana Andreevne; Androssva, Tamara Povlovna; and Androsov, Pavel Iosifovich; deceased (by Androsova, Maria Nickforovna; administrator; U.S.S.R.). Surgical instrument for suturing tissues and organs with metal taples. 3,795,034, 3-5-74, Cl. 29-212.00d.

Streliszky, Janos: *See—*
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Strella, Stephen; and Williams, Meurig W., to Xerox Corporation. Electrostatographic pressure sensitive polymeric toner. 3,804,764, 4-16-74, Cl. 252-62.100.

Strelzoff, Samuel; and Atkin, Sydney, to Chemical Construction Corporation. Production of nitrophosphate fertilizer. 3,785,797, 1-15-74, Cl. 71-39.000.

Streng, Erwin; and Schurian, Arnold, to Kunststoffwerk Gebruder Auger GmbH & Co. Safety supported piston for extruded tubular elements. 3,814,564, 6-4-74, Cl. 425-383.000.

Strenglein, Harry F., to Sperry Rand Corporation. Vehicle protective apparatus. 3,789,950, 2-5-74, Cl. 180-98.000.

Strenglein, Harry F., to Sperry Rand Corporation. Transducer and condition monitor. 3,806,905, 4-23-74, Cl. 340-224.000.

Strenglein, Harry G.: *See—*
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Strepparola, Ezio: *See—*
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Stresau, Richard; and Bonde, Robert, to United States of America, Navy. Explosive lead plug. 3,789,764, 2-5-74, Cl. 102-70.00r.

Stressed Pipe Research, Inc.: *See—*
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Stretanski, Joseph Anthony; and Hoffman, Joseph Adrian, to American Cyanamid Company. Nickel cyclohexylamine complexes of 2,2'-thiobis (p-alkylphenol) and use in polyolefins. 3,816,492, 6-11-74, Cl. 260-439.00r.

Stretanski, Joseph Anthony; and Hoffman, Joseph Adrian, to American Cyanamid Company. Nickel cyclohexylamine complexes of 2,2-thiobis (p-alkylphenol) Light stabilizers for polyolefins. 3,843,597, 10-22-74, Cl. 260-45.75n.

Stretton, Joseph Blake; and Borachok, William, to Textron, Inc. Brush cutter. 3,781,991, 1-1-74, Cl. 30-276.000.

Streule, Josef; and Brot, Blasius. Filter structure for tobacco products particularly for cigarettes and cigars, as well as for cigarette holders, tobacco pipes and the like. 3,840,029, 10-8-74, Cl. 131-261.00b.

Stribbons Ltd.: *See—*
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Stribling, John Brian, to Lucas Furnace Developments Limited. Furnaces for burning sewage and like residues. 3,799,074, 3-26-74, Cl. 110-7.00r.

Stribling, John Brian; and Booth, Robert Arthur, to Lucas Furnace Developments Limited. Drying and sterilising apparatus. 3,831,288, 8-27-74, Cl. 34-1.000.

Stribling, John Brian, to Lucas Furnace Developments Limited. Furnaces. 3,853,076, 12-10-74, Cl. 110-7.00r.

Strick Corporation: *See—*
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Strick, Karl H., to Fram Corporation. Flexible bladed fan with strengthened leading edge. 3,827,826, 8-6-74, Cl. 416-132.000.

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Stricker, Charles D.: *See—*
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Stricker, Gunter: *See—*
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Strickland, Alvah T., to United States of America, Navy. Diver operated propulsion system for an underwater vehicle. 3,795,213, 3-5-74, Cl. 114-16.00a.

Strickland, Bobby L.; and Simpson, Doyle E. Shampoo bowl assembly. 3,849,806, 11-26-74, Cl. 4-159.000.

Strickland, Edward T.: *See—*
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Strickland, Gordon E., Jr.: *See—*
Hudson, Thomas A.; and Strickland, Gordon E., Jr., 3,831,385.

Strickland, James C., to MCI, Inc. A.C. control circuit. 3,801,920, 4-2-74, Cl. 330-10.000.

Strickland, John C.: *See—*
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Smith, Randlow; Strickland, John C.; Sanwald, John W.; and Jones, Henry B., 3,824,081.

Strickland, Milton H. Air conditioner condenser. 3,821,983, 7-2-74, Cl. 165-159.000.

Strickland, Raymond I.: *See—*
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Strickland, Raymond I.; and Looger, Lonnie L., to United States of America, Army. Spherical head tripod. 3,820,751, 6-28-74, Cl. 248-181.000.

Strickland, Robert E., to Water Rite Inc., mesne. Soil moisture monitor. 3,824,844, 7-23-74, Cl. 73-73.000.

Strickland, William R.; Auge, Robert G.; and Brown, James C., to United States of America, Atomic Energy Commission. Method of precipitating americium oxide from a mixture of americium and plutonium metals in a fused salt bath containing PuO_2. 3,804,939, 4-16-74, Cl. 423-5.000.

Strickle, Erich: *See—*
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Strickler, Charles J.; and Hammond, Aubrey J., to United States of America, Navy, mesne. Highly loaded cast polyurethane propellants containing aluminum. 3,811,967, 5-21-74, Cl. 149-19.400.

Strickler, Ernst: *See—*
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Strickler, Hugo: *See—*
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Strid, Tore Sven: *See—*
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Striebich, Alfred: *See—*
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Striegl, Georg. Apparatus for turning workpieces. 3,842,697, 10-22-74, Cl. 82-2.00e.

Striegler, Hellmut; Resz, Raoul; and Bartl, Herbert. Bonded nonwoven fibre fleece. 3,801,428, 4-2-74, Cl. 161-169.000.

Striegler, John H.: *See—*
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Sheldahl, David B.; and Striegler, John H., 3,840,460.

Strifler, Paul; Drometer, Klaus; and Scarpatltti, Diether, to Daimler-Benz Aktiengesellschaft. Brake installation especially for motor vehicles. 3,802,745, 4-9-74, Cl. 303-3.000.

Strik, Francis Bernardus, to U.S. Philips Corporation. Method of cataphoretically providing a uniform layer, and colour picture tube comprising such a layer. 3,808,048, 4-30-74, Cl. 117-226.000.

Strik, Francis Bernardus; and Van Soerland, Nicolaas Augustinus Joseph, to U.S. Philips Corporation. Method of electrophotographically manufacturing a television material screen using hygroscopic. 3,856,518, 12-24-74, Cl. 96-1.00r.

Strike, Donald P.: *See—*
Leeming, Michael R. G.; Strike, Donald P.; and Kao, Wenling, 3,839,430.

Strike, Donald P.; and Kao, Wen-Link, to American Home Products Corporation. 11-Substituted-prostaglandin derivatives. 3,845,042, 10-29-74, Cl. 260-240.00r.

Striker, Gyorgy; and Gyurusi, Bela, to Merestechnikai Kozponti Kutato Laboratorium. Fault-indicating circuit for a flow-metering system. 3,855,480, 12-17-74, Cl. 307-118.000.

Strimbling, Semen Itskhovich: *See—*
Andreev, Oleg Semenovich; Birjukov, Boris Konstantinovich; Byzov, Yury Mikhailovich; Lekhtman, Moisei Abramovich; Perelberg, Azik Iosifovich; Strimbling, Semen Itskhovich; Trachevsky, Boris Sergeevich; Fikhman, Isak Berovich; Cherepakha, Pavel Andreevich; nd Shraifeld, Tamara Yakovlevna, 3,821,749.

Strimel, Robert S., to Olsen, Tinius, Testing Machine Co., Inc. Long stroke testing machine. 3,835,699, 9-17-74, Cl. 73-95.000.

Strimple, Robert A.; McCall, George L.; and Walker, Robert L., to Bethlehem Steel Corporation. Apparatus for continuously measuring temperature in a furnace. 3,845,706, 11-5-74, Cl. 73-359.000.

Strindehag, Ove Magnus, to AB ID-Kort. Identity document and a method and an apparatus for checking such a document. 3,818,226, 6-18-74, Cl. 250-302.000.

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Stringer, Myron Scott; Smith, Daniel W.; MacIvergan, Robert G.; and Elderbaum, Robert W., to Kellwood Company. Packaging apparatus. 3,844,092, 10-29-74, Cl. 53-188.000.

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Strini, Jean-Claude, to Produits Chimiques Pechiney-Saint-Gobain. Process for the preparation of acid chlorides and their acids. 3,829,477, 8-13-74, Cl. 260-539.00r.

Stripling, William W., to United States of America, Army. Polarized air bearing assembly. 3,789,677, 2-5-74, Cl. 74-5.700.

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Stripling, William W., to United States of America, Army. Polarized bearing assembly for gyro. 3,802,275, 4-9-74, Cl. 74-5.00r.

Stripling, William W.; White, Harold V.; and Hunter, Joe S., to United States of America, Army. Magnetic fluid level detector and vibration transducer. 3,839,904, 10-8-74, Cl. 73-71.200.

Stripling, William W.; White, Harold V.; and Hunter, Joe S., to United States of America, Army. Method of laying a ballistic missile. 3,851,844, 12-3-74, Cl. 244-3.160.

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Uhl, Karl; Schnell, Georg; Hartmann, Job-Werner; Stritzinger, Heinz; Balz, Werner; and Pruegl, Rainer, 3,793,074.

Stritzko, Vilem, to Bleiche AG. Method and arrangement for controlling the tensioning force in an advancing yarn. 3,819,097, 6-25-74, Cl. 226-39.000.

Strnadova, Ludmila: *See—*
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Strobel, Albert, to I-T-E Imperial Corporation. Force transfer means for operation of a circuit breaker including rollers on an auxiliary operator and the circuit breaker handle. 3,800,114, 3-26-74, Cl. 200-330.000.

Strobel, Albert, to I-T-E Imperial Corporation. Interconnecting means for poles of circuit braakers. 3,802,070, 4-9-74, Cl. 29-628.000.

Strobel, Albert, to I-T-E Imperial Corporation. Means for loading operating spring of a circuit breaker. 3,808,386, 4-30-74, Cl. 200-153.00g.

Strobel, Albert F.; and Whitehouse, Maynard L., to GAF Corporation. Triazole brighteners. 3,817,990, 6-18-74, Cl. 260-240.00c.

Strobel, Albert Frederick, to GAF Corporation. Metallized s-triazinyloxy-and amino-salicylic acid biocides. 3,808,202, 4-30-74, Cl. 260-240.00b.

Strobel, Felix; and Allenspach, Heinz, to Mettler Instrumente AG. Electrical balance including monitoring means. 3,789,937, 2-5-74, Cl. 177-210.000.

Strobel, Joseph; and Beisiegel, Norbert, to Schneider, Jos., & Co., Optische Werke. Defocusing device for optical systems. 3,784,290, 1-8-74, Cl. 352-91.000.

Strobel, Ludwig: *See—*
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Strobel, Roland; and Frerichs, Peter, to Olympia Werke AG. Reversible, frictional drive assembly. 3,815,430, 6-11-74, Cl. 74-203.000.

Strobel, William C.: *See—*
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Stroberg, John Emil; Thunblom, Nils Birger; and Henriksson, Lars-Goran, to Aktiebolaget CTC. Tubular washing machine. 3,823,583, 7-16-74, Cl. 68-58.000.

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Stroezel, Reinhold, to Bosch, Robert, G.m.b.H. One-way clutch arrangement. 3,844,392, 10-29-74, Cl. 192-45.000.

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Strohecker, Daniel E., to Battelle Development Corporation, The. Humidity indication. 3,788,128, 1-29-74, Cl. 73-73.000.

Strohmeier, Gerolf: *See—*
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Strohmeier, Harald, to Gebr. Bohler & Co., AG. Wire coating extruder. 3,802,385, 4-9-74, Cl. 118-405.000.

Strohmer, Alfred; and Raj, Joachim, to Knorr-Bremse GmbH. Car stablizing control system. 3,789,769, 2-5-74, Cl. 105-164.000.

Strohmeyer, William H.: *See—*
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Strom, Thomas N.: *See—*
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Strom, Torsten Erik Theodor, to AB Broderna Ottosson & Co. Processes and apparatuses for continuously manufacturing tubular bodies of reinforced synthetic plastic. 3,843,435, 10-22-74, Cl. 156-143.000.

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Strong, Donald E. Wood chipping apparatus. 3,844,489, 10-29-74, Cl. 241-55.000.

Strong, Herbert W.; Radway, Jerrold E.; and Cook, Henry A., to Basic Incorporated. Cyclical process for recovery of elemental sulfur from waste gases. 3,784,680, 1-8-74, Cl. 423-571.000.

Strong, Jerry G.; Kaufman, Harold A.; and Napier, Roger P., to Mobil Oil Corporation. Use of alkyl-substituted 4-benzo[b]thienyl N-alkylcarbamates as systemic insecticides. 3,793,452, 2-19-74, Cl. 424-275.000.

Strong, Jerry G., to Mobil Oil Corporation. 3-(4-Methyl-3-cyclohexenyl-butyl esters and epoxidized derivatives thereof as insect juvenile hormone mimicking compounds and insecticides. 3,826,840, 7-30-74, Cl. 424-305.000.

Strong, Jerry G., to Mobil Oil Corporation. 2-Aryl-3-aliphatic thioacrylonitriles. 3,828,091, 8-6-74, Cl. 260-465.00f.

Strong, Jerry G., to Mobil Oil Corporation. 2-Allyl-3-chloro-2-cyclohexen-1-ones and their preparation. 3,852,357, 12-3-74, Cl. 260-586.00r.

Strong, Jerry Glenn, to Mobil Oil Corporation. 3,3-Dimethyl-2-norbornane derivatives used as fungicides. 3,796,803, 3-12-74, Cl. 424-316.000.

Strong, John D. Method of forming refractive optical elements for infrared radiation. 3,794,704, 2-26-74, Cl. 264-1.000.

Strong, Kline D. Expandable binder. 3,785,740, 1-15-74, Cl. 402-29.000.

Strong, Kline D. Convertible folder. 3,830,578, 8-20-74, Cl. 402-14.000.
Strong, Paul G. Blow molding machine. 3,837,780, 9-24-74, Cl. 425-297.000.
Strong, Philip L.; Hunter, Don L.; and Le Fevre, Cecil W., to United States Borax & Chemical Corporation. Alkoxy trifluoromethylaniline compounds and use as an herbicide. 3,829,308, 8-13-74, Cl. 71-121.000.
Strong, Robert D., to Hoffmann-La Roche Inc., mesne. Selective polarizer arrangement for liquid crystal displays. 3,857,628, 12-31-74, Cl. 350-160.0lc.
Strong, William A., to Brunswick Corporation. Anti-cavitation means for marine propulsion device. 3,788,267, 1-29-74, Cl. 115-17.000.
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Meyer, Roy E.; Walton, William M.; and Stuart, Jerry E., 3,838,685.
Stuart, Phillip G. Expandable waistband for trousers. 3,812,541, 5-28-74, Cl. 2-237.000.
Stuart, Richard; and Bhopale, Arvind M., to Rixon Electronics, Inc. Digital SSB transmitter. 3,825,834, 7-23-74, Cl. 325-137.000.
Stuart, Richard L., to Rexon Electronics, Inc. Single tone carrier recovery system. 3,813,598, 5-28-74, Cl. 325-49.000.
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Stuart, William R., to Varian Associates. Offset stinger for arc lamp. 3,852,629, 12-3-74, Cl. 313-152.000.
Stubbeman, Alfred W. Ultrasonic pulsed energy inspection system. 3,813,926, 6-4-74, Cl. 73-67.700.
Stubben GmbH: *See*—
Bischeltsrieder, Lorenz, 3,851,446.
Stubbins, William H.: *See*—
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Stubblefield, Clyde D.: *See*—
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,816,985.
Sorenson, Charles E.; Stubblefield, Clyde D.; Debaillie, Arnold A.; Bramley, Robert K.; and Bourassa, Hugh A., 3,824,772.
Stubblefield, Maurice. Animal bridle. 3,831,345, 8-27-74, Cl. 54-6.000.
Stubblefield, Robert A. Inboard propulsion system for a boat. 3,797,447, 3-19-74, Cl. 115-12.00r.
Stubbmann, Albert, to Kohner Bros. Inc. Escapement mechanism. 3,803,735, 4-16-74, Cl. 40-28.00r.
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Stubbmann, Albert, to Kohner Bros., Inc. Marionette assembly with manipulating glove. 3,835,582, 9-17-74, Cl. 46-126.000.
Stubbmann, Albert, to Kohner Bros. Inc. Board game apparatus. 3,843,131, 10-22-74, Cl. 273-134.00g.
Stubbmann, Albert, to Kohner Bros., Inc. Toy playhouse and accessories. 3,849,930, 11-26-74, Cl. 46-12.000.
Stubbs, Harry E. Towing guide. 3,797,444, 3-19-74, Cl. 114-235.00b.
Stubbs, James M. Apparatus for controlling eating and smoking habits. 3,818,906, 6-25-74, Cl. 128-136.000.
Stubbs, Peter William Robert; and Crouch, Stephen John, to Rover Company Limited, The. Vehicle suspension systems. 3,820,812, 6-28-74, Cl. 280-104.000.
Stubbs, Royston A., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Apparatus for composition measurement and control of binary gas mixtures. 3,817,085, 6-18-74, Cl. 73-23.000.
Stuber, Fred A.: *See*—
Rao, Durvasula V.; Ulrich, Henri; Stuber, Fred A.; and Sayigh, Adnan A. R., 3,796,744.
Sayigh, Adnan A. R.; Stuber, Fred A.; and Ulrich, Henri, 3,784,527.
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Stubert, John Wesley: *See*—
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Stubiger, Ernst: *See*—
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Stubits, Marcella C.: *See*—
Teng, James; and Stubits, Marcella C., 3,819,390.
Teng, James; Stubits, Marcella C.; Pyler, Richard E.; and Lucas, James M., 3,824,085.
Stubits, Marcella C., to Anheuser-Busch Incorporated. Method of removing melted fats from the surface of an edible aqueous solution. 3,794,743, 2-26-74, Cl. 426-417.000.
Stubits, Marcella C., to Anheuser-Busch, Incorporated. Dry cleaning method. 3,813,221, 5-28-74, Cl. 8-142.000.
Stubss, Dennis: *See*—
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Stucchi, Richard F.: *See*—
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Stuck, Klaus: *See*—
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Stuck, Klaus. Ball joint friction welding method. 3,801,395, 4-2-74, Cl. 156-73.000.
Stucker, Erwin: *See*—
Wolf, Helmut; Bohm, Wolfgang; and Stucker, Erwin, 3,803,905.
Stucker, Nova E.: *See*—
Higgins, John J.; and Stucker, Nova E., 3,837,375.
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Studdard, Donald T.; and Morrison, Thomas E., to Continental Conveyor and Equipment Company. Fabricated brake drum and hub assembly. 3,810,678, 5-14-74, Cl. 301-6.00s.
Studebaker, Martha Jean: *See*—
Russell, Carl D., 3,836,235.
Studebaker, Robert I.: *See*—
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Sternberg, Ingvar Per Mikael; Gustaffson, Lars Lennart; Samuelson, Henry Ebbe Arvid; and Wallin, Sven-Erik, 3,793,472.
Students, John, to Wiss, J., & Sons Co. Low-profile floating blade scissors or shears. 3,834,022, 9-10-74, Cl. 30-261.000.
Studer, James R., to Monsanto Company. Method for the selective absorption of a volatile liquid foaming agent by heating in forming plastic articles. 3,784,658, 1-8-74, Cl. 264-45.000.
Studer, Rolf: *See*—
Boguth, Walter; Studer, Rolf; Achterrath, Ute; and Kunze, Hans, 3,792,034.
Gillessen, Dieter; Rudinger, Josef; and Studer, Rolf, 3,816,385.
Studer, Willi. Tape recording transport control system. 3,829,038, 8-13-74, Cl. 242-190.000.
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Huhn, Horst, 3,786,250.
Von Gustorf, Ernst Koerner; Buchkremer, Jurgen; Pfajfer, Zorka; and Grevels, Friedrich-Wilhelm, 3,806,531.
Wilke, Gunther; and Heimbach, Paul, 3,832,371.
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Horvath, Stefan; and Miheles, Aurel, 3,791,731.
Studtmann, George H.; and Overzet, John K., to Borg-Warner Corporation. Control circuit for regulating a DC-to-DC converter. 3,815,008, 6-4-74, Cl. 321-44.000.
Studtmann, George H., to Borg-Warner Corporation. AC-DC generating system. 3,829,758, 8-13-74, Cl. 322-28.000.
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Stuelpnagel, John C., to Westinghouse Electric Corporation. On-board calibration and test of airborne inertial devices. 3,782,167, 1-1-74, Cl. 73-1.00e.
Stuemky, Robert E.: *See*—
Miller, Arthur W.; Stuemky, Robert E.; and Morse, George E., 3,788,098.
Stuemky, Robert E.; and George, Gene H., to Gates Rubber Company, The. Flexible shaft. 3,855,817, 12-24-74, Cl. 64-2.00r.
Stuetz, Dagobert E., to Celanese Corporation. Continuous treatment of a polyacrylonitrile at elevated temperatures on a porous roll. 3,826,611, 7-30-74, Cl. 8-115.500.
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Fehr, Theodor; Stuetz, Peter; and Stadler, Paul, 3,821,226.
Stuhler, Eudora E. Toy shooting gallery with magnetically held targets. 3,817,528, 6-18-74, Cl. 273-102.400.
Stuijts, Andreas Leopoldus: *See*—
Hardtl, Karl Heinz; Knufer, Heinrich; and Stuijts, Andreas Leopoldus, 3,853,973.
Stukalov, Vladimir Nikolaevich: *See*—
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Stulik, Peter J.: *See*—
Usab, Martin A.; and Stulik, Peter J., 3,807,692.
Stull, James T.: *See*—
Grosko, John A.; Short, Melvin G.; and Stull, James T., 3,825,056.
Stull, Keefer S., Jr., to United States of America, Navy, mesne. Circuit for fast recovery from jamming in a radar receiver system with large dynamic range. 3,854,136, 12-10-74, Cl. 343-18.00e.
Stull, Morton. Safety cap. 3,826,394, 7-30-74, Cl. 215-9.000.
Stull, Morton B. Captive cap for dispensers. 3,844,455, 10-29-74, Cl. 222-525.000.
Stull, Morton B. Captive dispensing cap construction. 3,848,779, 11-19-74, Cl. 222-521.000.
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Stults, Allan C. Pendant capable of exposing different areas of a volatile tablet. 3,784,102, 1-8-74, Cl. 239-36.000.
Stultz, James C.: *See*—
Capellman, John J.; Stultz, James C.; and Cooper, Joseph E., 3,824,105.
Stump, Carl E.: *See*—
Carroll, John E.; and Stump, Carl E., 3,806,695.
Carroll, John E.; and Stump, Carl E., 3,825,721.
Stump, Lester F., Jr.: *See*—
Zifferer, Luthar Robert; and Stump, Lester F., Jr., 3,795,726.
Stump, Paul W.; Huber, James A.; and Lipinski, John M., to Clevepak Corporation. Helically wound tubes. 3,783,908, 1-8-74, Cl. 138-144.000.
Stump, Theodore M.; and Williford, Jerry G., to Collins Radio Company. Frequency shift keyed demodulator. 3,794,928, 2-26-74, Cl. 329-104.000.
Stumpe, Robert J., to Kimberly-Clark Corporation. Elastic nonwoven fabric. 3,816,228, 6-11-74, Cl. 161-63.000.
Stumpel, Jan Willam Marinus Hermanus; Sanford, Peter William; and Rapley, Christopher Graham, to National Research Development Corporation. Position sensitive radiation detector. 3,843,886, 10-22-74, Cl. 250-336.000.
Stumpen, Klaus: *See*—
Sajben, Johannes Otto; Lippert, Axel; Stumpen, Klaus; and Grunewald, Rainer, 3,812,885.
Stumpf, Frederick: *See*—
Wagensonner, Edward; Borowski, Kurt; and Stumpf, Frederick, 3,812,504.
Stumpf, Gene L.; and Tweed, Donald G., to GTE Lenkurt Incorporated, mesne. Main distribution frame-mounted central office subscriber carrier channel unit shelf. 3,801,873, 4-2-74, Cl. 317-99.000.
Stumpf, Gunter. Cloth folding machine having means for control of the edges of cloth unwound from a roll. 3,784,184, 1-8-74, Cl. 270-31.000.
Stumpf, Horst: *See*—
Gorter, Werner; Kresta, Erich; and Stumpf, Horst, 3,837,986.
Stumpf, Howard C.; and Laskey, Daniel A. Nut retaining socket wrench. 3,855,883, 12-24-74, Cl. 81-125.000.
Stumpf, Irving L.: *See*—
Meyer, Gustave, 3,837,516.
Stumpf, Joseph C.; and Andera, Joseph F., to Frigitronics of Conn. Inc. Cryosurgical apparatus. 3,807,403, 4-30-74, Cl. 128-303.100.
Stumpf, Joseph G.; and Andera, Joseph F., to Frigitronics of Conn., Inc. Multipurpose cryosurgical probe. 3,827,436, 8-6-74, Cl. 128-303.100.
Stumpf, Joseph G.; and Andera, Joseph F., to Frigitronics of Connecticut, Inc. Cryosurgical device. 3,830,239, 8-20-74, Cl. 128-303.100.
Stumpf, Karl. Roll train switch. 3,785,469, 1-15-74, Cl. 193-36.000.
Stumpf, Robert, to Kimberly-Clark Corporation. Process for manufacturing high-loft, nonwoven fabric. 3,822,162, 7-2-74, Cl. 156-279.000.
Stumpf, Walter, to Simmons Company. Method for manufacturing box springs. 3,789,495, 2-5-74, Cl. 29-429.000.
Stumpf, Walter, to Simmons Company. Upholstery spring coil. 3,847,379, 11-12-74, Cl. 267-91.000.
Stumphauzer, William C.: *See*—
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Rood, Alvin A.; Hogstrom, Edwin F.; and Stumphauzer, William C., 3,815,544.
Vilagi, Burton J.; and Stumphauzer, William C., 3,788,561.
Stumpo, Gregory G. Probe and marker assembly. 3,792,240, 2-12-74, Cl. 235-92.0pc.
Stumpp, Gerhard, to Bosch, Robert, GmbH. Fuel injection apparatus for externally ignited internal combustion engines operating on fuel continuously injected into the suction tube. 3,817,229, 6-18-74, Cl. 123-97.00b.
Stungis, George E.; and Merker, Steven L., to Brown & Williamson Tobacco Corporation. System and method for detecting amounts of conductive material on a moving web. 3,818,335, 6-18-74, Cl. 324-65.00r.
Stungis, George E.; Merker, Steve L.; and Heitkamp, Norman D., to Brown & Williamson Tobacco Corporation. Separation of tobacco fines from sand. 3,837,481, 9-24-74, Cl. 209-4.000.
Stunkard, Gerald A., to DND Corporation. Self centering pipe working machine. 3,819,163, 6-25-74, Cl. 266-23.0nn.
Stupeck, Donald: *See*—
Horowitz, Noah; Stupeck, Donald; and Novak, Lubomir, 3,810,236.
Stupecky, Josef Jaromir: *See*—
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Stupp, Hermann-Josef: *See*—
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Stuppy, Francis X.; and Stephenson, Emmett, 3,803,671.
Stuppy, Francis X.; and Stephenson, Emmett, to Stuppy Floral, Inc. Attaching assembly for sheet material. 3,803,671, 4-16-74, Cl. 24-243.00k.
Sturdivant, Jack E. Cotton roll holder. 3,805,389, 4-23-74, Cl. 32-35.000.
Sturek, James S. Camper tie-down system. 3,782,774, 1-1-74, Cl. 296-23.0mc.
Sturgeon, James L. Method and means for training drivers to operate automobiles. 3,849,908, 11-26-74, Cl. 35-11.000.
Sturgeon, John F., to Bard, C. R., Inc. Venocclusion device. 3,795,246, 3-5-74, Cl. 128-325.000.
Sturgeon, Larry O.; and Dueker, Leonard L. Cable tension preloader. 3,825,197, 7-23-74, Cl. 242-54.00r.
Sturges, James Robert: *See*—
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Sturgis, David H.: *See*—
Ardary, Zane L.; Sturgis, David H.; and Reynolds, Carl D., 3,793,204.
Sturhan, Klaus, to Gebr. Isringhausen. Power driven adjustable seat for automotive vehicle. 3,787,025, 1-22-74, Cl. 248-399.000.
Sturhan, Klaus, to Gebr. Isringhausen. Adjustable seat for automotive vehicles. 3,806,075, 4-23-74, Cl. 248-399.000.
Sturiale, Louis A.; and Waszink, Remco P., to Westinghouse Electric Corporation. Heat exchanger having a head with an integral radiation shield. 3,857,442, 12-31-74, Cl. 165-134.000.
Sturkol, Elmer W.: *See*—
Cho, Boong Y.; Sturkol, Elmer W.; and Wier, Keith E., 3,809,903.
Sturlason, Leif Viggo; and Ohrberg, Carl Verner, to Danfoss A/S. Gerotor type motor with pressure biased rotary valve. 3,841,801, 10-15-74, Cl. 418-61.00b.
Sturm, Bernard J.: *See*—
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Sturm, Elmar: *See*—
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Sturm, Elmar; and Vogel, Christian, to Ciba-Geigy Corporation. Bicyclo(N.1.0)alkyl ureas as herbicides. 3,784,368, 1-8-74, Cl. 71-119.000.
Sturm, Elmar; and Vogel, Christian, to Ciba-Geigy Corporation. Bicyclo(N.1.0)alkyl-ureas. 3,803,228, 4-9-74, Cl. 260-553.00r.
Sturm, Elmar; and Vogel, Christian, to Ciba-Geigy Corporation. Control of weeds with N-carbenyl derivative of azabicyclooctanes. 3,820,974, 6-28-74, Cl. 71-94.000.
Sturm, Elmar; and Menasse, Raphael, to Ciba-Geigy Corporation. N-(Substituted phenyl)-2,3-dichloromaleimides. 3,821,247, 6-28-74, Cl. 260-326.50s.
Sturm, Elmar; and Vogel, Christian, to Ciba-Geigy Corporation. Herbicidal composition and method utilizing substituted azabicycloalkanes. 3,822,123, 7-2-74, Cl. 71-94.000.
Sturm, Elmar; Bredow, Brigitta Von; and Benningen, Christian Vogel, to Ciba-Geigy Corporation. Substituted azabicycloalkanes. 3,839,337, 10-1-74, Cl. 260-283.00s.
Sturm, Ernst F.: *See*—
Fox, Robert B.; and Sturm, Ernst F., 3,837,653.
Sturm, Ferdinand V.; Naschwitz, Walter; Rummel, Werner; and Groppel, Dieter, to Siemens Aktiengesellschaft. Method for production of electrode for electrochemical cells. 3,791,872, 2-12-74, Cl. 136-120.0fc.
Sturm, Hans-Dieter: *See*—
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Sturm, Hans-Juergen: *See*—
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Sturm, Hans-Juergen; Kempter, Fritz Erdmann; and Armbrust, Herbert, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Continuous production of anthranilic acid. 3,847,974, 11-12-74, Cl. 260-518.00r.
Sturm, Heribert: *See*—
Schmidhuber, Klaus; Link, Wolfgang; and Sturm, Heribert, 3,804,337.
Sturm, Hermann, to Bach & Co. Contact spring for plug connectors. 3,812,452, 5-21-74, Cl. 339-258.00r.
Sturm, Konrad, to Diehl Datensysteme GmbH. Magnet arrangement for data processing devices. 3,821,672, 6-28-74, Cl. 335-266.000.
Sturm, Ruger & Co., Inc.: *See*—
Ruger, William B., 3,813,804.
Ruger, William B., 3,838,533.
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Ruger, William B.; and Sefried, Harry H., II, 3,847,054.
Ruger, William B.; and Sefried, Harry H., II, 3,857,323.
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Sturm, Walter. Device for adapting the lengths of a pair of legs, such as those of a ladder, to unevenness of a supporting surface. 3,794,141, 2-26-74, Cl. 182-202.000.
Sturman, Martin F.: *See*—
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Sturman, Oded E.; Grill, Benjamin; and Froman, Yigal. Fluid control system. 3,821,967, 7-2-74, Cl. 137-624.150.
Sturmey, Kenelm Gordon Francis, to Lucas, Joseph, (Industries) Limited. Apparatus for use in the manufacture of electric storage batteries. 3,795,963, 3-12-74, Cl. 29-204.000.
Sturni, Lance C.: *See*—
Anderson, Carl C.; and Sturni, Lance C., 3,853,803.
Stursberg, Rolf Karl: *See*—
Spengler, Ernst Maximilian; and Stursberg, Rolf Karl, 3,828,631.
Spengler, Ernst Maximilian; and Stursberg, Rolf Karl, 3,841,189.
Sturt, Alan Charles: *See*—
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Sturt, Alan Charles, to BP Chemicals Limited. Polymerisation process. 3,830,883, 8-20-74, Cl. 260-92.80w.
Sturt, Alan Charles; and Williams, Richard Harvey, to Vinyl Products Limited, mesne. Polymerisation process for grafting vinyl chloride on ethylene-vinyl acetate copolymer. 3,856,733, 12-24-74, Cl. 260-29.6rb.
Sturt, Alan Charles. Polymerisation process. 3,856,767, 12-24-74, Cl. 260-92.80r.
Sturtevant, Michael John: *See*—
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Sturtevant, Paul A. Disposal system utilized with a heat source. 3,833,943, 9-10-74, Cl. 4-10.000.
Sturtevant, Rodney L. Electronic hand tool. 3,844,012, 10-29-74, Cl. 29-203.00h.
Sturwold, Robert J.; and Barrett, Fred O., to Emery Industries, Inc. Esters of polyoxyalkylene glycols and mixed dibasic acids as fiber finishes. 3,850,682, 11-26-74, Cl. 117-138.80f.
Sturwold, Robert J.; and Barrett, Fred O., to Emery Industries, Inc. Ester lubricants suitable for use in aqueous systems. 3,857,865, 12-31-74, Cl. 260-407.000.
Sturzenegger, Jakoe, to Zellweger Ltd. Method and apparatus for reading information carriers on a moving article. 3,792,234, 2-12-74, Cl. 235-61.11e.
Stussman, Gerald J.; Larsson, Karl H.; and Smeaton, John R., to Hycel, Inc., mesne. Automatic petri dish streaking methods and apparatus. 3,830,701, 8-20-74, Cl. 195-120.000.
Stut, Hans: *See*—
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Drax, Heinz; and Stut, Hans, 3,816,650.
Stut, Hans, to Siemens Aktiengesellschaft. Method and apparatus for floating zone melting of a semiconductor rod. 3,814,827, 6-4-74, Cl. 13-1.000.
Stut, Hans, to Siemens Aktiengesellschaft. Apparatus for the control of electrical heating. 3,821,515, 6-28-74, Cl. 219-497.000.
Stut, Hans, to Siemens Aktiengesellschaft. Device for electrically heating a semiconductor rod which is simultaneously growing due to a depositing process from the gas phase. 3,832,626, 8-27-74, Cl. 323-4.000.
Stute, Walter, to Pernod S.A. Device for dispensing rolling articles. 3,834,584, 9-10-74, Cl. 221-312.000.
Stutz, Hans: *See*—
Stutz, Hans; and Huber, Josef (said Huber assor. to said), 3,848,820.
Stutz, Hans; and Huber, Josef, said Huber assor. to said Stutz, Hans. Method and apparatus for handling a yarn drawn at a high speed from a bobbin by a processing machine. 3,848,820, 11-19-74, Cl. 242-18.00r.
Stutz, Peter: *See*—
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Stutz, Robert C., to Niagara Blower Company. Heat exchange apparatus. 3,828,570, 8-13-74, Cl. 62-282.000.
Stutz, Rolf: *See*—
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Stutz, William, to United states Envelope Company. Continuous form envelope assembly. 3,790,068, 2-5-74, Cl. 229-69.000.
Stutzke, Paul: *See*—
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Stutzke, Robert E.: *See*—
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Stutzle, Dietmar; and Weidner, Peter F., to Diehl. Ignition circuit for projectile fuses. 3,808,975, 5-7-74, Cl. 102-70.2ga.
Stvin, Bernard J.; and Goldschein, Joel, to Celotex Corporation, The. Riveting device. 3,805,583, 4-23-74, Cl. 72-450.000.
Styan, Garrick E.: *See*—
Moy, Walick A.; and Styan, Garrick E., 3,833,462.
Procter, Alan R.; Styan, Garrick E.; and Vinje, Magnus G., 3,841,962.
Styan, Peter Ormonde; and Mason, Stuart John, to Plessey Handel und Investments A.G. Optical character recognition apparatus. 3,824,549, 7-16-74, Cl. 340-146.3ac.
Styczen, John A.: *See*—
Armstrong, Thaddeus J.; Styczen, John A.; and Klasek, Ladislav J., 3,827,284.
Styers, Henry H., to Kloz-Seal Products Co., Inc. Tamperproof, recloseable package and closure therefor. 3,784,087, 1-8-74, Cl. 229-62.000.
Styhr, Karsten H.: *See*—
Ezis, Andre; Goodyear, Michael U.; and Styhr, Karsten H., 3,854,189.
Styrbel, Richard V., to Imperial-Eastman Corporation. Tool construction. 3,849,881, 11-26-74, Cl. 30-102.000.
Styring, Ralph E., Jr.: *See*—
Dunlap, Henry F.; and Styring, Ralph E., Jr., 3,791,395.
Styrkowicz, Stanley J., to Guardian Electric Manufacturing Company. Mold for mounting switch blades and the like. 3,824,053, 7-16-74, Cl. 425-123.000.
Styron, James S.; and Mandy, Zolian, to Carrier Corporation. Sludge separation system. 3,820,349, 6-28-74, Cl. 62-58.000.
Styskin, Evgeny Lvovich: *See*—
Gurvich, Yakov Abramovich; Grinberg, Alexandr Afroimovich; Styskin, Evgeny Lvovich; Kumok, Simona Tevievna; Sobolev, Valerian Mikhailovich; Sorokin, Eduard Sergeevich; Shelkova, Irina Sergeevna; Liakumovich, Alexandr Grigorievich; Michurov, Jury Ivanovich;and Rutman, Grigory Iosifovich, 3,845,142.
Su, Aaron Chung Liong, to Du Pont de Nemours, E. I., and Company. Chain saturated copolymers of ethylene, alph monoolefins, and trienes containing side-chains with non-terminal conjugated unsaturation. 3,846,387, 11-5-74, Cl. 260-80.780.
Su, Chen-Jen, to Continental Can Company, Inc. Haze inhibition in containers fabricated from nitrile polymers. 3,804,938, 4-16-74, Cl. 264-232.000.
Su Crest Corporation: *See*—
Monti, Anthony, 3,821,414.
Su, Tsung-Yuan, to Phillips Fibers Corporation. Analysis of materials to measure vaporizable components. 3,847,554, 11-12-74, Cl. 23-253.0pc.

Suarez, Julio F.; and Mokrytzki, Boris, to Reliance Electric Company. Single phase motor starting circuit. 3,792,324, 2-12-74, Cl. 318-221.00e.

Suatoni, Joseph C., to Gulf Research & Development Company. Purification of benzophenone-tetracarboxylic dianhydride using a silica containing absorbent. 3,850,967, 11-26-74, Cl. 260-346.300.

Sub-Marine Systems Incorporated: *See*—
Fischel, Halbert; and Dichiro, Anthony, 3,847,211.

Subcom, Inc.: *See*—
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Subers, John E., Jr.: *See*—
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Subieta, Carlos. System for automatic identification of calling party's telephone number to receiving party. 3,787,626, 1-22-74, Cl. 179-5.500.

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Submarine Engineering Associates, Inc.: *See*—
Benson, Robert A., 3,818,708.

Subotics, Gyula: *See*—
Bartha, Zoltan; Fodor, Vince; and Subotics, Gyula, 3,850,568.

Subramaniam, Coimbatore V. Coloring of aluminum and its alloys. 3,799,815, 3-26-74, Cl. 148-6.270.

Subramanian, Sundaram, to Zenith Radio Corporation. Surface wave filter and method. 3,839,687, 10-1-74, Cl. 333-72.000.

Subrizi, Angelo: *See*—
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Subsea Equipment Associates Limited: *See*—
Le Therisien, Louis G., 3,855,806.
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Subsea Equipment Associates Limited (Seal): *See*—
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Subsea Equipment Associates Limited, mesne: *See*—
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Substelny, Henry: *See*—
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Substrate Inc.: *See*—
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Suchane, David V., to Kimberly-Clark Corporation. Method of coating a tampon with an insertion aid. 3,821,350, 6-28-74, Cl. 264-257.000.

Suchanek, Borivoj: *See*—
Buran, Vojtech; Horn, Vladimir; and Suchanek, Borivoj, 3,847,187.

Suchanek, Jiri: *See*—
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Suchard, Luis. Air-conditioning system for motor vehicles. 3,854,303, 12-17-74, Cl. 62-426.000.

Suchcicki, Henry J. Snow traction device for motor vehicles. 3,813,131, 5-28-74, Cl. 305-29.000.

Suchka, Michael B., to Lakeland Enterprises, Inc., mesne. Seedling tray insert. 3,788,002, 1-29-74, Cl. 47-34.130.

Suchkov, Vasily Georgievich: *See*—
Motov, David Lazarevich; Konstantinov, Vladimir Ivanovich; Rumyantsev, Vladimir Georgievich; Belokoskov, Valentin Ivanovich; Ude, Eduard Osvaldovich; Babkin, Artur Grigorievich; Metelkin, Alexandr Ivanovich; Suchkov, Vasily Georgievich; Kolesikova, Nina Ivnovna; Motovilin, Alexandr Vasilievich; Rusakova, Nina Trofimovna; Nikonova, Tatyana Vladimirovna; Polyaninova, Nina Ivanovna; Sinenko, Mikhail Grigorievich; Krylova, Irina Fedorovna; and Yakutin, Vladimir Mikhailovich, 3,852,431.

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Suck, Bernhard: *See*—
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Suckow, Robert A., to Beloit Corporation. Multi-ply two wire former wherein multiple headboxes are used and inflatable air bellows provide adjustments therebetween. 3,839,143, 10-1-74, Cl. 162-123.000.

Sucro, Jost S.: *See*—
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Sud-Chemie AG: *See*—
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Suda, Hideaki; Dohgane, Iwao; Hosaka, Hirokazu; and Ebara, Kazunari, to Sumitomo Chemical Company, Limited. Method for producing pure M-cresol. 3,855,195, 12-17-74, Cl. 260-96.50c.

Suda, Kataro: *See*—
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Suda, Kataro, to Yoshi, Ito. Automatic dice shaking device. 3,831,948, 8-27-74, Cl. 273-145.00r.

Suda, Michael: *See*—
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Suda, Tetuo: *See*—
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Suda, Toshi; and Omori, Norio, to Nippondenso Co., Ltd. Spark ignition internal combustion engine. 3,804,385, 4-16-74, Cl. 261-51.000.

Suda, Toshi; and Kobayashi, Hisanori, to Nippondenso Co. Ltd. Carburetor. 3,807,709, 4-30-74, Cl. 261-39.00a.

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Suda, Toshi; and Isomura, Takuji, to Nippondenso Co., Ltd. Pneumatic RPM regulator for fuel injection pumps. 3,820,519, 6-28-74, Cl. 123-140.0mp.

Sudano, Francesco. Barrel adapter for shot gun to rifle conversion. 3,805,434, 4-23-74, Cl. 42-77.000.

Sudar, Seymour; and Poucher, Frederick W., Jr., to Rockwell International Corporation. Compact muffler scrubber. 3,853,484, 12-10-74, Cl. 23-288.00f.

Sudarkin, Lev Alexandrovich: *See*—
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Sudberry, Ellis P. Overload spring. 3,799,571, 3-26-74, Cl. 280-124.000.

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Sudmeier, Gustav H. Subsurface continuous-wave exploration system. 3,820,010, 6-25-74, Cl. 324-.50r.

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Sudo, Kunio, to Century Products, Inc. Collapsible baby walker with protective covers for leg joints thereof. 3,796,430, 3-12-74, Cl. 272-70.300.

Sudo, Michio, to Mitsubishi Yuka Kabushiki Kaisha. Manufacturing method of thermoplastic synthetic resin films. 3,821,343, 6-28-74, Cl. 264-89.000.

Sudo, Michio, 50% interest to Mitsubishi Yuka Kabushiki Kaisha. Method of producing plastic bags. 3,853,661, 12-10-74, Cl. 156-244.000.

Sudo, Tachio: *See*—
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Suechting, William G., to Hein-Werner Corporation. Piston and piston rod assembly for hydraulic jack. 3,802,323, 4-9-74, Cl. 92-140.000.

Sueiro, Otilia: *See*—
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Suenaga, Masaki; Sampson, William B.; Crow, Jack E.; and Gurinsky, David H., to United States of America, Atomic Energy Commission. Method of fabricating a composite multifilament intermetallic type superconducting wire. 3,838,503, 10-1-74, Cl. 29-599.000.

Suenaga, Masanobu; Machii, Tetsuo; Sawano, Takahiro; Kobayashi, Takehiko; Dengo, Tadao; and Nakai, Tetsuzp, to Tokyo Shibaura Electric Co., Ltd. Method for manufacturing a semiconductor apparatus. 3,818,584, 6-25-74, Cl. 29-588.000.

Suerbaum, Eberhard, to Nordischer Maschinenbau Rud. Baader. Machine for recovering meat. 3,829,931, 8-20-74, Cl. 17-16.000.

Suess, Rudolf: *See*—
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Suetsugu, Yoshio; and Miyazaki, Harunori, to Nittetsu Chemical Industrial Co., Ltd. and Lummus-Japan Company, Ltd. Process for producing needle-shaped coal pitch coke. 3,799,865, 3-26-74, Cl. 208-131.000.

Sueyoshi, Tohru: *See*—
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Sueyoshi, Toshihiko; and Kozawa, Mitsuo, to Japan Steel Works Ltd. Process for injection molding polyester premixes. 3,789,103, 1-29-74, Cl. 264-329.000.

Suga, Hiroyoshi: *See*—
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Suga, Shigeru. Temperature compensating differential radiometer. 3,802,925, 4-9-74, Cl. 136-213.000.

Suga, Shigeru. Temperature compensating ultraviolet ray detector. 3,809,905, 5-7-74, Cl. 250-370.000.

Suga, Tokuji: *See*—
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Suga, Tsuneo, to Konishiroku Photo Industry Co., Ltd. Process for obtaining a high contrast silver halide photographic image. 3,799,780, 3-26-74, Cl. 96-66.00r.

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Suga, Yoshizo, to Nippon Kokan Kabushiki Kaisha. Temperature control system for rotary kilns. 3,825,405, 7-23-74, Cl. 432-36.000.

Sugafuji, Akira: *See*—
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Sugahara, Eisuke: *See*—
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Sugahara, Eisuke. Wear resistant guides for clutch shoe. 3,788,436, 1-29-74, Cl. 192-88.00b.

Sugahara, Eisuke. One-piece channel shaped piston ring. 3,795,403, 3-5-74, Cl. 277-201.000.

Sugahara, Eisuke, to Nippon Piston Ring Co., Ltd. Piston ring having peripheral groove. 3,811,691, 5-21-74, Cl. 277-224.000.

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Sugahara, Makoto; Mori, Kenjiro; and Nagata, Morisue, to Sumitomo Chemical Company, Limited. Process for the rapid production of 2-mercaptobenzothiazole. 3,818,025, 6-18-74, Cl. 260-306.000.

Sugahara, Takeshi: *See*—
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Sugahara, Tokuji: *See*—
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Sugahara, Yujiro; Usui, Kouichi; Naito, Hiroyuki; and Matuzawa, Syoji, to Mizusawa Kagaku Kogyo Kabushiki Kaisha. Refining agent for oily substances. 3,787,330, 1-22-74, Cl. 252-437.000.

Sugai, Kazuhiko: *See*—
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Sugai, Masayoshi: *See*—
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Suganami, Tatsuo: *See*—
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Sugano, Hiroshi; Tsushima, Ken; Sato, Kurayoshi; and Araikawa, Noboru, to Mitsubishi Jukogyo Kabushiki Kaisha. Control for hydraulic machine having adjustable blades. 3,819,296, 6-25-74, Cl. 416-157.000.

Sugano, Junichiro: *See*—
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Sugano, Katsumi; Ikegami, Yoshio; and Kimura, Hirohumi, to Kobe Steel, Ltd. and Sumitomo Electric Industries, Ltd. Softening apparatus in tandem electric wire manufacture. 3,821,511, 6-28-74, Cl. 219-155.000.

Sugano, Kumakichi; and Sugano, Masanao. Apparatus for supplying air into combustion chamber of rotary kiln incinerator. 3,808,988, 5-7-74, Cl. 110-10.000.

Sugano, Masanao: *See*—
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Sugar Cane Growers Cooperative of Florida: *See*—
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Sugar, Joseph, to International Telephone and Telegraph Corporation. Junction shell. 3,794,960, 2-26-74, Cl. 339-107.000.

Sugarman, Nathan: *See*—
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Sugarman, Robert C.; and Sussman, E. Donald, to Calspan Corporation. Dynamic visual acuity testing apparatus. 3,807,839, 4-30-74, Cl. 351-36.000.

Sugasaga, Jesus Diaz. Bottle cap seal. 3,809,370, 5-7-74, Cl. 256-42.000.

Sugawara, Hideo: *See*—
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Sugawara, Hiroyuki; and Kuwabara, Kooji, to Hitachi, Ltd. Supercooled rotor coil type electric machine. 3,809,933, 5-7-74, Cl. 310-52.000.

Sugawara, Katsuro: *See*—

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Sugaya, Yoshiharu: *See*—
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Sugden, Dave Charles. Pleasure boat construction. 3,783,461, 1-8-74, Cl. 9-1.00r.
Sugden, David B., to Robbins Company, The. Rock cutter assembly. 3,787,101, 1-22-74, Cl. 308-15.000.
Sugden, David B., to Robbins Company, The. Shield tunneling machine with orbiting cutterhead. 3,830,545, 8-20-74, Cl. 299-33.000.
Sugden, David B., to Robbins Company, The. Tunneling machine having swinging arms carrying cutter discs. 3,840,271, 10-8-74, Cl. 299-31.000.
Sugden, Harry, Jr., to Emerson Electric Co. Parity check for turbine meter electronic counting instrumentation or the like. 3,783,248, 1-1-74, Cl. 235-92.0fl.
Sugesawa, Hiroshi; and Araki, Shinichi, to Lion Fat & Oil Co., Ltd. Dispensing spout of a carton box. 3,807,621, 4-30-74, Cl. 229-7.00r.
Suggitt, John W.; and Inkis, Walter V. Apparatus for applying preservative material to erected poles and the like. 3,834,329, 9-10-74, Cl. 111-6.000.
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Sumiyoshi, Koichiro, to Sony Corporation. Magnetic recording and reproducing apparatus which prevents erasing during tape loading. 3,821,799, 6-28-74, Cl. 360-60.000.
Sumiyoshi, Masaharu; Arai, Hiroshi; Wakamatsu, Hisato; and Higo, Nobumasa, to Nippondenso Co., Ltd. and Toyota Jidosha Kogyo Kabushiki Kaisha. Centralized warning system for vehicles. 3,798,596, 3-19-74, Cl. 340-52.00f.
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Summa, Frank. Fluorescent lamp adapter assembly. 3,815,080, 6-4-74, Cl. 339-52.00r.
Summa, Frank. Educational space game. 3,826,496, 7-30-74, Cl. 273-108.000.
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Summe, Richard D.; and Vannoy, Everett H. Overload circuit breaker. 3,821,679, 6-28-74, Cl. 337-101.000.
Summer, James R., to Garrett Corporation, The. Variable area ratio jet pump. 3,791,764, 2-12-74, Cl. 417-185.000.
Summer, James R., to Round Rock Lime Company, mesne. Vertical kiln control. 3,849,061, 11-19-74, Cl. 432-47.000.
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Summerfield, William F., to Mattel, Inc. Phonograph for playing stationary record. 3,784,211, 1-8-74, Cl. 274-9.00r.
Summerlin, Frederick Arthur; and Jeal, Harvey Philip, to Aerpat A.G., mesne. Fastener. 3,800,581, 4-2-74, Cl. 72-71.000.
Summers, C. Elwood. Art instructing apparatus. 3,834,043, 9-10-74, Cl. 35-26.000.
Summers, David P. Retention catheter. 3,807,408, 4-30-74, Cl. 128-349.00r.
Summers, George D., to Fairchild Industries, Inc. Implantable urinary control apparatus. 3,810,259, 5-14-74, Cl. 3-1.000.
Summers, George D., to Atlantic Research Corporation. System for transmitting and utilizing supplemental data via television systems. 3,848,082, 11-12-74, Cl. 178-5.600.
Summers, Gerald C., to Simplec Mfg. Co., Inc. Acoustic caliper logging. 3,835,953, 9-17-74, Cl. 340-15.5bh.
Summers, James E.; and Elwood, Michael J., to Xerox Corporation. Automatic document handler. 3,790,158, 2-5-74, Cl. 271-4.000.
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Summers, John Clifford, to Du Pont de Nemours, E. I., and Company. Guanidine salts of chlorinated and/or brominated aminobenzene sulfonic acids. 3,853,964, 12-10-74, Cl. 260-501.120.

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Summers, Thomas Wade, to Brown & Williamson Tobacco Corporation. Ventilated filter tip cigarette. 3,805,800, 4-23-74, Cl. 131-10.00a.
Summers, Thomas Wade, to Brown & Williamson Tobacco Corporation. Process and apparatus for separating sand from botanical materials. 3,842,978, 10-22-74, Cl. 209-469.000.
Summers, Warren S.; and Charest, Francis G., to United Aircraft Corporation. Intrinsically powered electronic monitor for fuel cells. 3,808,534, 4-30-74, Cl. 340-249.000.
Summers, Warren S.; and Charest, Francis G., to United Aircraft Corporation. Purge timer for a fuel cell. 3,850,696, 11-26-74, Cl. 136-86.00b.
Summers, William A.; Christy, Betty L.; and Sweeney, Joseph V., to Ebasco Services Incorporated. Monitor and results computer system. 3,855,456, 12-17-74, Cl. 235-151.300.
Summersby, E. John; and Nagel, Dietmar, to Beverly Enterprises. Woman's hygiene apparatus. 3,783,867, 1-8-74, Cl. 128-230.000.
Summin, Alfred S.; Daun, Henryk; Gilbert, Seymour G.; and Henig, Yair, to Borden, Inc. Packaging tomatoes in carbon dioxide permeable film. 3,804,961, 4-16-74, Cl. 426-415.000.
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Sumner, Orbie L. Positive fluid flow indicator. 3,799,107, 3-26-74, Cl. 116-70.000.
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Sumner, Tom, to Moderna Butiksinredningar AB. Rotatable display cabinet. 3,833,128, 9-3-74, Cl. 211-131.000.
Sumner, William D.; and Koch, Gary L., to Fisher Controls Company, Inc. Excess flow check valve with variable closing flow rate. 3,807,442, 4-30-74, Cl. 137-498.000.
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Sund, Erik Ivar. Heat insulating protective cover for temperature sensitive goods. 3,834,292, 9-10-74, Cl. 98-32.000.
Sund, Erik Ivar, to Igloo-Flex AB. Flexible wall section, in particular for heating or refrigerating chambers. 3,856,072, 12-24-74, Cl. 160-84.00r.
Sundahl, Robert Charles, Jr., to Bell Telephone Laboratories, Incorporated. Method for producing thin film circuits on high purity alumina substrates. 3,791,861, 2-12-74, Cl. 117-213.000.
Sundance Reinforced Plastics Pty, Limited: *See—*
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Sunday, William V. Mail box. 3,825,173, 7-23-74, Cl. 232-17.000.
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Sundberg, Erik Gustav, to Aktiebolaget Tudor. Method and sheath for lead-acid storage battery. 3,801,399, 4-2-74, Cl. 156-148.000.
Sundberg, Erik Gustav, to Aktiebolaget Tudor. Galvanic electrode cover method. 3,843,412, 10-22-74, Cl. 136-55.000.
Sundberg, Hardy Mikael. Compost toilet. 3,840,907, 10-15-74, Cl. 4-133.000.
Sundberg, Lars: *See—*
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Sundblom, Leif J.; and Ollivier, Louis A., to Veriflo Corporation. Ventilator. 3,820,566, 6-28-74, Cl. 137-624.140.
Sundby, Bjorn; and Wixon, Harold Eugene, to Colgate-Palmolive Company. Detergent-softener compositions containing sulfosuccinates of polyhydroxy tertiary amines. 3,803,036, 4-9-74, Cl. 252-8.750.
Sundby, Gustav B., to Rockwell International Corporation. Articulated railway truck swinging bolster. 3,782,294, 1-1-74, Cl. 105-182.00r.
Sundby, Gustav B., to Rockwell International Corporation. Roll dampening railway trucks. 3,795,203, 3-5-74, Cl. 105-182.00k.
Sunderland, John C., to Capintec, Inc. Electronic ratio instrument for remote temperature measurement. 3,795,918, 3-5-74, Cl. 356-45.000.
Sunderland, John C., to Capintec, Inc. Detector bias voltage connection. 3,840,745, 10-8-74, Cl. 250-336.000.
Sunderland, John C., to Capintec, Inc. Apparatus for recording and reproducing analog data. 3,840,890, 10-8-74, Cl. 360-32.000.
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Sunderman, Lavern C. Automatic loading and unloading bale wagon. 3,782,570, 1-1-74, Cl. 214-519.000.
Sundermann, Erich, to Zytan Thermochemische Verfahrenstechnik GmbH & Co., K.G. Apparatus for manufacturing ceramically bonded shaped bodies from granulates of inflatable mineral material. 3,796,539, 3-12-74, Cl. 432-96.000.
Sundermann, Erich; and Viedt, Johanna, said Sundermann assor. to Dolle, Waldemar. Apparatus for manufacturing of bodies of bulking clay. 3,811,815, 5-21-74, Cl. 425-446.000.
Sundermann, Henry L. Stepped toggle mechanism. 3,835,727, 9-17-74, Cl. 74-520.000.
Sundermann, Henry L. Telescoping tongue means usable for setting brakes on a farm wagon. 3,845,846, 11-5-74, Cl. 188-112.000.
Sundheim, John J., to Windsor Industries, Inc. Cleaner for carpets and the like. 3,821,830, 7-2-74, Cl. 15-321.000.
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Anderson, Richard A., 3,849,018.
Kacek, Donald J., 3,800,534.
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Suominen, Heikki Samuli; and Pyhalto, Pekka Juhani, to Amerplast. Punch for simultaneously punching unequal sized holes. 3,823,630, 7-16-74, Cl. 83-98.000.
suovaniemi, Osamo A. Adjustable pipette. 3,810,391, 5-14-74, Cl. 73-425.600.
Suovaniemi, Osmo A. Multiple pipette. 3,855,868, 12-24-74, Cl. 73-425.600.
Suozzo, Leonard S. Mechanical shock and sway arrestor. 3,809,186, 5-7-74, Cl. 188-1.00b.
Supel, Ignacy; and Braun, Hermann E., to Skil Corporation. Speed control device with independent speed control and on-off operating members. 3,842,328, 10-15-74, Cl. 318-249.000.
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Supran, Lyle David. Tennis ball having an electrically conducting surface. 3,854,719, 12-17-74, Cl. 273-61.00r.
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Surace, Filippo; Rogora, Edoardo; and Bassi, Aldo, to Alfa Romeo S.p.A. Device for regulating the amount of fuel injected by injection systems of internal combustion engines. 3,844,265, 10-29-74, Cl. 123e139.00e.
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Surikov, Leonid Stepanovich; Kokonin, Alexei Pavlovich; Klebanov, Georgy Nikolaevich; Isaenko, Jury Mikhailovich; Degtyarev, Ivan Yakovlevich; and Roslyakova, Tatiana Leonidovna. Method of jointing pipes with internal heat-sensitive coating and joint basedon said method. 3,817,805, 6-18-74, Cl. 156-158.000.
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Sussman, Milton H., to American Optical Corporation. Four component microscope eyepiece. 3,807,835, 4-30-74, Cl. 350-220.000.

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Sutar, William: *See*—
Fairbanks, Norman P.; Barb, Raymond P.; and Sutar, William, 3,853,548.

Sutch, Brian Leo Chudleigh, to Airfix Industries Limited. Production of containers. 3,836,063, 9-17-74, Cl. 229-1.50b.

Sutch, Richard D.: *See*—
Argyle, John F.; Medowski, Glenn O.; Ports, David W.; and Sutch, Richard D., 3,819,785.
Sharp, Donald J.; and Sutch, Richard D., 3,809,627.

Sutcliffe, Speakman & Co. Ltd.: *See*—
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Sutherland, Alan, to Hepworth and Grandage Limited. Metal casting apparatus with mechanism for emmercing Ng and mould. 3,786,857, 1-22-74, Cl. 164-350.000.

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Terry, Ruel C.; and Sutherland, John A., 3,815,678.

Sutherland, John A.; and Sweny, John W., to Allied Chemical Corporation. Simultaneous drying and sweetening of wellhead natural gas. 3,837,143, 9-24-74, Cl. 55-32.000.

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Naas, Hartley M.; Sutherland, Julian C.; and Nesbitt, Dale D., 3,838,250.

Sutherland, William. Automatic water sampler. 3,853,009, 12-10-74, Cl. 73-423.00r.

Sutherlin, Kent K.: *See*—
Crowther, Ted J.; Jacobson, Charles F.; and Sutherlin, Kent K., 3,849,766.

Sutliff, Gloria M.; and Moreno, Maria F. Cosmetic preparation. 3,810,996, 5-14-74, Cl. 424-364.000.

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Bushnell, Clifford B.; Sheffer, Edward J.; and Sutliff, Robert C., 3,784,001.

Sutliff, Wayne N.; and Downen, Jim L. Vacuum hydrastitic jar accelerator. 3,815,693, 6-11-74, Cl. 175-232.000.

Sutliff, Wayne N.; and Downen, Jim L. Duplex hydraulic-mechanical jar tool. 3,853,187, 12-10-74, Cl. 175-297.000.

Suto, Munehisa; Itoh, Takuji; Tagaya, Nobuaki; and Obayashi, Takashi, to Toa Nenryo Kogyo Kabushiki Kaisha. Method of catalytic conversion of heavy hydrocarbon oils. 3,843,509, 10-22-74, Cl. 208-111.000.

Suttan, Franz; Veit, Paul; and Rauber, Oskar, to Maschinenfabrik Hasenclever GmbH. Method of and apparatus for the upsetting of bars and similar workpieces. 3,827,275, 8-6-74, Cl. 72-342.000.

Sutter, Raymond C.: *See*—
Meranshian, George; Sutter, Raymond C.; Nimylowycz, Osyp; and White, Wilmer, 3,787,010.

Sutter, Raymond C., to United States of America, Army. Rocket catapult. 3,807,670, 4-30-74, Cl. 244-122.0ab.

Sutter, Wilhelm: *See*—
Adolphen, Gerhard; Wedemeyer, Karlfried; and Sutter, Wilhelm, 3,801,651.

Sutterfield, Douglas: *See*—
Serini, Henry O.; and Sutterfield, Douglas, 3,804,349.

Sutthoff, Robert Fredric: *See*—
Khaleeluddin, Khaja; Sutthoff, Robert Fredric; and Nelson, William Junior, 3,834,940.

Suttill, Francis John, Jr.; Holt, John M.; and Ray, Robert H., to Commplex, Inc. Electronic variable combination lock and monitoring system. 3,838,395, 9-24-74, Cl. 340-149.00a.

Suttles, Eldon J., to Eli Bridge Company. Amusement ride seat and safety guard. 3,837,706, 9-24-74, Cl. 297-384.000.

Sutton, Alan: *See*—
Warman, Bloomfield James; Evans, John Ford; Walker, Stephen Sidney; Mc Pherson, John Hugh; and Sutton, Alan, 3,838,226.

Sutton, Blaine M.: *See*—
McGusty, Elizabeth R.; and Sutton, Blaine M., 3,784,687.
McGusty, Elizabeth R.; and Sutton, Blaine M., 3,792,165.

Sutton, Blaine M.; and Weinstock, Joseph, to Smith Kline & French Laboratories. Arthritic compositions comprising an s-(phosphine- or phosphitoaurous)-thiouronium halide and method of producing anti-arthritic activity. 3,787,568, 1-22-74, Cl. 424-211.000.

Sutton, Blaine M., to Smithkline Corporation. Pyridyl ketipate lactones and derivatives. 3,816,440, 6-11-74, Cl. 260-295.00r.

Sutton, Blaine M., to Smithkline Corporation. Pyridyl ketipate lactones and derivatives in treating arthritis. 3,818,092, 6-18-74, Cl. 424-266.000.

Sutton, Blaine M., to Smithkline Corporation. 4-Cyclohexylvulpinic acid derivatives in the treatment of arthritis. 3,821,397, 6-28-74, Cl. 424-279.000.

Sutton, Blaine M., to Smithkline Corporation. Substituted 2,5-diphenyl-3,4,6-trihydroxy-delta 2,4-hexadiemoic acid lactones (1,4) in the treatment of arthritis. 3,821,398, 6-28-74, Cl. 424-279.000.

Sutton, Blaine M.; Walz, Donald T.; and Wilson, James W., to Smithkline Corporation. Anti-arthritic compositions comprising ester derivatives of pulvinic acid and methods of producing anti-arthritic activity. 3,826,839, 7-30-74, Cl. 424-279.000.

Sutton, Blaine M.; and Weinstock, Joseph, to Smithkline Corporation. Phosphine or phosphite gold complexes of thiobenzoic acid and substituted thiophenols. 3,842,107, 10-15-74, Cl. 260-430.000.

Sutton, Blaine M.; and Weinstock, Joseph, to Smithkline Corporation. Large ring gold-sulfur-phosphine chelates. 3,842,108, 10-15-74, Cl. 260-430.000.

Sutton, Blaine M., to Smithkline Corporation. Anti-inflammatory compositions containing acylated-β-D-glucopyranosides and method of using them. 3,843,626, 10-22-74, Cl. 260-210.00r.

Sutton, Charles B.: *See*—
De Gioia, Peter A.; and Sutton, Charles B., 3,784,268.
Degioia, Peter A.; and Sutton, Charles B., 3,788,714.

Sutton, Christopher John, to Girling Limited. Frequency detecting circuit with built-in testing arrangement. 3,801,829, 4-2-74, Cl. 307-233.000.

Sutton, Christopher John. Anti-skid breaking systems. 3,806,204, 4-23-74, Cl. 303-21.0be.

Sutton, Christopher John, to Lucas, Joseph, (Electrical) Limited. Braking systems for vehicles. 3,811,082, 5-14-74, Cl. 318-383.000.

Sutton, David L.; and Carter, Lloyd G., to Halliburton Company. Method of plugging a well. 3,844,351, 10-29-74, Cl. 166-243.000.

Sutton Engineering Company: *See*—
Huertgen, Helmut B., 3,844,151.
Thompson, Elbert Gordon, 3,834,203.

Sutton, George A.: *See*—
Buxton, Daniel W., 3,850,210.

Sutton, Jack: *See*—
Sutton, Stephen John, 3,822,844.

Sutton, Joel F.: *See*—
Anders, Larry E.; and Sutton, Joel F., 3,820,720.

Sutton, John R. Jacking mechanisms. 3,804,369, 4-16-74, Cl. 254-105.000.

Sutton, Julian MacDonald Davison: *See*—
Kitson, George Samuel; and Sutton, Julian MacDonald Davison, 3,824,784.

Sutton, Kenneth O.: *See*—
Baird, William R.; and Sutton, Kenneth O., 3,847,753.

Sutton, Larry Leon; and Bratton, John, to Combustion Engineering, Inc. Apparatus and method for conveying and manipulating sheet-like members. 3,805,954, 4-23-74, Cl. 209-125.000.

Sutton, Lawrence R.; Ranno, Carl P.; and Hewson, Kenneth E., to Performance Industries, Inc. Carpet trim cutter. 3,787,971, 1-29-74, Cl. 30-293.000.

Sutton, Lawrence R.; Ranno, Carl P.; and Hewson, Kenneth E., to Performance Industries, Inc. Tackless carpet stripping. 3,8[illegible],391, 8-13-74, Cl. 16-16.000.

Sutton, Max E.: *See*—
France, Jimmie J.; Neubert, Fred J.; Caldwell, Eugene L.; Springer, Howard D.; and Sutton, Max E., 3,794,383.

Sutton, Max E., to Allis-Chalmers Corporation. Quick hitch adapter. 3,829,128, 8-13-74, Cl. 280-461.00a.

Sutton, Michael Gilbert; and Gailes, Michael Edward, to British Domestic Appliances Limited. Improvements in or relating to an electric generator with adjustable eccentric member for varying the output voltage. 3,829,724, 8-13-74, Cl. 310-67.00r.

Sutton, Mike T.: *See*—
Hilker, George D.; Doehrman, Charles E.; Lausen, Verne H.; Mowery, Harold P.; and Sutton, Mike T., 3,842,192.

Sutton Research Corporation: *See*—
Briskin, Theodore S.; Schnautz, Norman G.; and Sabherwal, Inderjit, 3,831,609.
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Sutton, Richard C.: *See*—
Noonan, John M.; Sutton, Richard C.; and McConkey, Robert C., 3,833,384.

Sutton, Richard C., to Eastman Kodak Company. Barrier layer for liquid crystal-containing elements. 3,795,517, 3-5-74, Cl. 96-1.500.

Sutton, Richard Calvin: *See*—
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Sutton, Robert A.: *See*—
Douglas, Carl L.; Evans, William J.; Kiess, Ronald J.; and Sutton, Robert A., 3,845,875.
Pillar, Walter O.; and Sutton, Robert A., 3,819,547.

Sutton, Robert G., to Norwood Industries, Inc. Production of polyurethane film/split leather laminates. 3,827,930, 8-6-74, Cl. 161-64.000.

Sutton, Robert S.: *See*—
Bondie, Dale J.; Sutton, Robert S.; and Lewelling, James D., 3,824,892.
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Sutton, Robert S., to Ex-Cell-O Corporation. Tool holder for use with automatic tool changing apparatus. 3,788,657, 1-29-74, Cl. 279-173.000.

Sutton, Robert W.: *See*—
Bondie, Dale J.; Sutton, Robert W.; and Lewelling, James L., 3,789,500.

Sutton, Stephen John, to Sutton, Jack. Parachute. 3,822,844, 7-9-74, Cl. 242-145.000.

Sutton, Thomas E.: *See*—
Callahan, Thomas R.; Kingsbury, Herbert K.; and Sutton, Thomas E., 3,823,063.
Sence, Leonard H.; and Sutton, Thomas E., 3,837,627.

Sutton, William H. Apparatus for side pick up refuse collection. 3,786,949, 1-22-74, Cl. 214-302.000.

Sutton, William Heald: *See*—
Evans, Thomas Ernest; and Sutton, William Heald, 3,804,730.

Sutton, William Heald; Evans, Thomas Ernest; and Hart, Anthony Christopher, to International Nickel Company, Inc., The. Catalytic cathodic hardening of oxide films. 3,832,292, 8-27-74, Cl. 204-56.00r.

Sutula, Phyllis A.: *See*—
Crimmel, Harry W.; Terezakis, Emanuel G.; and Sutula, Phyllis A., 3,847,655.

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Sutyak, John J., to Mesta Machine Company. Plunger and cylinder arrangement. 3,847,062, 11-12-74, Cl. 92-86.500.

Suunto Oy: *See*—
Honkaranta, Reijo; Jarvenpaa, Kauko; and Shephard, Kevin, 3,824,947.
Jarvenpaa, Kauko Olavi, 3,813,792.

Suut, Nikolai Karlovich: *See*—
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Suvanto, Antti, to Aktiebolaget Asea-Atom. Control rod for nuclear reactors. 3,834,986, 9-10-74, Cl. 176-33.000.

Suvanto. Antti; and Fries, Ake, to Aktiebolaget Asea-Atom. Blocking arrangement for mechanism for handling fuel assemblies in nuclear reactors. 3,856,621, 12-24-74, Cl. 176-30.000.

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Suwada, Ataru: *See*—
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Suyama, Nobuyuki: *See*—
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Suyama, Tadashi: *See*—
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Suyama, Tsunesuke; Saeki, Masnori; and Okada, Ryuzo, to Sankyo Company Limited. Ointment base. 3,826,845, 7-30-74, Cl. 424-365.000.

Suyderhoud, Henri G.: *See*—
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Suyderhoud, Henri George: *See*—
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Suyematsu, Herbert T.: *See*—
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Suyetani, Shigemitsu. Foot support for wheelchairs. 3,790,212, 2-5-74, Cl. 297-429.000.

Suykens, Matthieu, to Borg-Warner (Canada) Ltd. Bulk ship unloader. 3,847,290, 11-12-74, Cl. 214-15.00e.

Suzaki, Kuniyoshi: *See*—
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Suzaki, Kuniyoshi, to Canon Kabushiki Kaisha. Motion picture projector device loaded with a film cartridge. 3,825,330, 7-23-74, Cl. 352-157.000.

Suzaki, Masayuki: *See*—
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Suzaki, Yasuzi; Yamamoto, Yuji; and Tachibana, Atsushi, to Hitachi, Ltd. Method of geodetic measurement using diffusion type pulse laser. 3,817,620, 6-18-74, Cl. 356-1.000.

Suzki, Kiyoshi: *See—*
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Suzue, Takashi: *See—*
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Suzukamo, Gohu: *See—*
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Suzukawa, Yuichi; Kobayashi, Waichi; Uehori, Kinzi; Ohtaka, Satoshi; and Yoshida, Kozaburo, to Ube Industries, Ltd. Process of manufacturing anhydrous magnesium chloride. 3,798,314, 3-19-74, Cl. 423-498.000.

Suzukawa, Yuichi; Kono, Hisashi; and Kuribayashi, Atushi, to UBE Industries, Ltd. Apparatus for pelletizing powdered solid substance in a fluidized bed. 3,856,441, 12-24-74, Cl. 425-7.000.

Suzuki, Akihisa, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument with frequency-deviated pedal tone signal. 3,826,859, 7-30-74, Cl. 84-1.170.

Suzuki, Akio: *See—*
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Suzuki, Akira; Kinoshita, Shushi; and Ueda, Takeshi, to Kobe Steel, Ltd. Method of processing steel material having high austenitic grain-coarsening temperature. 3,788,903, 1-29-74, Cl. 148-12.100.

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Suzuki, Akira, to Aisin Seiki Kabushiki Kaisha. Fluid power steering mechanism. 3,833,081, 9-3-74, Cl. 180-79.200.

Suzuki, Akira; Hagiwara, Masaki; and Teraoka, Nobuhiro, to Suzuki Metal Industry Co., Ltd. Method of producing steel wire and strand for pre-stressed concrete construction. 3,847,002, 11-12-74, Cl. 72-128.000.

Suzuki, Choken: *See—*
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Suzuki, Haruo, to Toytown Corporation. Toy dolphin. 3,808,734, 5-7-74, Cl. 46-91.000.

Suzuki, Hideaki: *See—*
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Suzuki, Hideaki; Togawa, Haruo; Omori, Akira; and Yamamoto, Naoki, to Teijin Limited. Metal-chelating and solvent-resistant filamentary structure and process for its production. 3,847,842, 11-12-74, Cl. 260-2.20r.

Suzuki, Hidenori; Maeda, Katsumi; Nakatani, Keiji; and Ishii, Kenjiro, to Minolta Camera Kabushiki Kaisha. Viewing and electrostatic copying machine. 3,856,397, 12-24-74, Cl. 355-45.000.

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Suzuki, Hiromasa, to Nippon Zeon Co., Ltd. Simplified collapsible container. 3,796,339, 3-12-74, Cl. 217-13.000.

Suzuki, Hiroshi: *See—*
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Suzuki, Hiroshi; and Ichimaru, Tadashi, to Japan Exlan Company Limited. Method for producing artificial fibers containing microcapsules. 3,852,401, 12-3-74, Cl. 264-182.000.

Suzuki, Hisami: *See—*
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Suzuki, Hisao. Silencing apparatus. 3,854,548, 12-17-74, Cl. 181-56.000.

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Suzuki, Isamu: *See—*
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Suzuki, Isamu; Nakahara, Yasuji; Ichikawa, Kiyoshi; and Osonoi, Kaoru, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for preparing polyuethane compositions. 3,826,768, 7-30-74, Cl. 260-29.2tn.

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Suzuki, Kaichi: *See—*
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Suzuki, Katsuhito: *See—*
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Suzuki, Katsumi: *See—*
Ishido, Yoshiharu; Yoshino, Teruo; Komura, Hajime; Suzuki, Katsumi; Yamasaki, Akihiro; and Okutsu, Masaru, 3,856,777.

Suzuki, Katsumi; Maeyashiki Isamu; Fukuda, Akihiro; Murai, Asao; Shiio, Tsuyoshio; and Okumura, Shinji, to Ajinomoto Co., Inc. Antimicrobial esters of octa-2,3-diene-5,7-diyne-1-ol. 3,830,832, 8-20-74, Cl. 260-488.00h.

Suzuki, Kazaburo: *See—*
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Suzuki, Keiji, to Honda Giken Kogyo Kabushiki Kaisha. Engine starting device. 3,830,110, 8-20-74, Cl. 74-6.000.

Suzuki, Keisuke: *See—*
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Suzuki, Kensuke: *See—*
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Suzuki, Kiyohiko, to Kokusai Denshin Denwa Kabushiki Kaisha. Reflex isolators and branched waveguide networks utilizing the same. 3,795,875, 3-5-74, Cl. 333-9.000.

Suzuki, Koji: *See—*
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Suzuki, Kozi, to Tokyo Sanyo Electric Co., Ltd. and Sanyo Electric Co., Ltd. Multi-channel tape playing device. 3,824,621, 7-16-74, Cl. 360-78.000.

Suzuki, Kunihiko: *See—*
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Suzuki, Masanari, to Kabushiki Kaisha Ricoh. High voltage D.C. supply circuit. 3,851,239, 11-26-74, Cl. 321-11.000.

Suzuki, Masane; Kanaya, Motonori; and Seki, Kazuhisa, to Fuji Photo Optical Co., Ltd. Camera for making holograms. 3,837,726, 9-24-74, Cl. 350-3.500.

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Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Reduction gear mechanism. 3,802,296, 4-9-74, Cl. 74-797.000.

Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Electromagnatic switch device. 3,805,200, 4-16-74, Cl. 335-201.000.

Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Failure warning apparatus for oil pressure brake. 3,810,087, 5-7-74, Cl. 340-52.00b.

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Suzuki, Masaru; Iwata, Masayoshi; and Matsui, Takeo, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Acceleration responsive switch. 3,816,680, 6-11-74, Cl. 200-61.510.

Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Direction indicator automatic return device for turn indicator switches. 3,829,638, 8-13-74, Cl. 200-61.270.

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Suzuki, Masaru; and Yamazaki, Kenichi, to Senri Kikaku Sogo Kabushiki Kaisha. Method of manufacturing decorative boards with depression patterns. 3,853,578, 12-10-74, Cl. 117-8.500.

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Suzuki, Mitsuaki, to Kabushiki Kaisha Komatsu Seisakusho. Steering system for an endless track type tractor. 3,785,450, 1-15-74, Cl. 180-6.700.

Suzuki, Mitsugu. Sleeve film cutting device. 3,800,498, 4-2-74, Cl. 53-77.000.

Suzuki, Morio: *See—*
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Suzuki, Motoyuki, to Ricoh Co., Ltd. Device for detecting a transport mishap of a copy paper in a reproducing apparatus. 3,833,896, 9-3-74, Cl. 340-259.000.

Suzuki, Naohiko: *See—*
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Suzuki, Nobuyuki; Nishihara, Toyotaro; and Miyazaki, Gentaro, to Hitachi, Ltd. High voltage circuit of color television receiver. 3,846,666, 11-5-74, Cl. 315-27.0td.

Suzuki, Norihiro; and Takizawa, Kazuyuki, to Sony Corporation. Phonograph record changer. 3,820,797, 6-28-74, Cl. 274-10.00s.

Suzuki, Osamu: *See—*
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Suzuki, Ryuji, to Matsushita Electric Co., Ltd. Partition and front wall forming chock structure for a microwave oven. 3,835,283, 9-10-74, Cl. 219-10.550.

Suzuki, Ryuzo; Miyakawa, Seiichi; and Watanabe, Masanori, to Katsuragawa Denki Kabushiki Kaisha. Transfer printing apparatus of electrophotographic apparatus. 3,824,011, 7-16-74, Cl. 355-3.000.

Suzuki, Ryuzo; Miyakawa, Seiichi; and Watanabe, Masanori, to Katsuragawa Denki Kabushiki Kaisha. Transfer printing apparatus of electrophotographic apparatus. 3,844,652, 10-29-74, Cl. 355-3.000.

Suzuki, Satomi; Fujii, Osamu; Wakabayashi, Hirokazu; Kishimoto, Toshio; and Namabe, Masashi, to Toyo Rubber Chemical Industrial Corporation. Process for manufacturing self-extinguishing polyurethane foams. 3,799,897, 3-26-74, Cl. 260-2.5aj.

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Suzuki, Shigeru, to Ricoh Co., Ltd. Copy sheet cassette mounting device for copying apparatus. 3,799,538, 3-26-74, Cl. 271-162.000.

Suzuki, Shigeto, to Chevron Research Company. Acetic acid process. 3,806,544, 4-23-74, Cl. 260-533.00r.

Suzuki, Shigeyoshi; Kobayashi, Norio; and Shimizu, Kazuo, to Mitsubishi Paper Mills, Ltd. Wetting liquid composition for offset master plate. 3,829,319, 8-13-74, Cl. 106-2.000.

Suzuki, Shigeyoshi, to Ogawa & Co., Ltd. Coffee carbonated beverage. 3,845,220, 10-29-74, Cl. 426-45.000.

Suzuki, Shinichi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Digital exposure time determing system for cameras. 3,798,662, 3-19-74, Cl. 354-51.000.

Suzuki, Shizuo: *See—*
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Suzuki, Shoji; and Sugahara, Eisuke, to Nippon Piston Ring Kabushiki Kaisha. Piston ring. 3,806,139, 4-23-74, Cl. 277-235.00a.

Suzuki, Shozo: *See—*
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Suzuki, Tadashi: *See—*
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Suzuki, Takaji; and Ogawa, Toshio, to Hitachi, Ltd. Signal detection system. 3,848,586, 11-19-74, Cl. 128-2.10b.

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Suzuki, Takami, to Ricoh Co., Ltd. Rotary print wheel mechanism with hammering bracket. 3,823,807, 7-16-74, Cl. 197-55.000.

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Suzuki, Takashi; and Kirakawa, Hoichi, to Matsushita Electric Industrial Co., Ltd. Method for manufacturing electrical apparatus. 3,819,446, 6-25-74, Cl. 156-291.000.

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Suzuki, Takenobu; Nagashima, Buemon; Inoue, Masayoshi; and Ito, Yoji, to Tokushu Toryo Co. Ltd. A.C. energized magnetic particle flaw detector with means to raise and lower electromagnets from path of workpiece. 3,784,904, 1-8-74, Cl. 324-38.000.

Suzuki, Takeo: *See*—
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Suzuki, Takeshi: *See*—
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Suzuki, Takeshi, to Minolta Camera Kabushiki Kaisha. Stop regulation system for motion picture cameras. 3,840,295, 10-8-74, Cl. 352-141.000.

Suzuki, Takuji; and Imao, Norihisa. Television receiver power supply. 3,824,338, 7-16-74, Cl. 178-7.30r.

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Suzuki, Toshihiko; Hoshi, Kinji; and Tamate, Yasuo, to Sony Corporation. Apparatus for pulling up semiconductor crystals. 3,822,111, 7-2-74, Cl. 23-273.0sp.

Suzuki, Toshimasa; and Mizushima, Yoshihiko, to Nippon Telegraph and Telephone Public Corporation. Semiconductor device and apparatus using the same. 3,811,074, 5-14-74, Cl. 317-235.00k.

Suzuki, Toshio: *See*—
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Suzuki, Toshiyuki, to Enshu Limited. Photoelectric type weft sensing process and weft sensor. 3,824,401, 7-16-74, Cl. 250-561.000.

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Suzuki, Yasuyuki: *See*—
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Suzuki, Yushin: *See*—
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Svala, Carl Gunnar, to North Electric Company. Automatically compensated permeameter. 3,821,637, 6-28-74, Cl. 324-34.0pe.

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Svarz, Jerry J.: *See*—
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Svec, Joseph J. Disc type indicia recording and display device. 3,852,900, 12-10-74, Cl. 40-70.00r.

Svede, George E., to Harnischfeger Corporation. Means for extending and retracting crane boom section. 3,842,985, 10-22-74, Cl. 212-55.000.

Svejsa A/S: *See*—
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Svendsen, Gordon D., to Ampex Corporation. Motor drive circuit. 3,805,127, 4-16-74, Cl. 318-139.000.

Svendsen, Lars-Gundro: *See*—
Blomback, Gustav Erik Birger; Blomback, Margareta; Olsson, Per Ingermar; Svendsen, Lars-Gundro; Afekenstam, Bo Thuresson; and Claeson, Karl Goran, 3,826,793.

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Harris, Sterling G.; Smith, Joseph D.; McCall, David D.; Moore, Glenn S.; Hidden, William P.; and Svendsen, Noel, 3,828,398.

Svendsen, Svend Anker, to Slagteriernes Forskningsinstitut. Method of preparing a packaged heat sterilized minced meat product. 3,857,986, 12-31-74, Cl. 426-371.000.

Svenska AB Cleansol: *See*—
Eliasson, Arne Lennart, 3,787,349.

Svenska Agghandelsforbundet Foren U.P.A.: *See*—
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Svenska Aktiebolaget Bromsregulator: *See*—
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Persson, Gert Artur; and Severinsson, Lars Mattis, 3,808,954.
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Svenska Aktiebolaget Plastic Protection: *See*—
Svensson, Sven Rolf, 3,806,030.

Svenska Cellulosa Aktiebolaget: *See*—
Wennerblom, Bengt Axel; Udden, Ruth Gunvor Anna Britt; Udden, Per Edward Carl; and Lindgren, John Ivar, 3,799,165.

Svenska Dataregister AB: *See*—
Englund, Gosta Roland; Lundell, Bjorn Sture; and Lindelow, Claes-Goran, 3,841,341.
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Oberg, Anders B., 3,809,863.

Svenska Entreprenad AB Sentab: *See*—
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Svenska Rotor Maskiner Aktiebolag: *See*—
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Pettersson, Birger; and Karlsson, Kurt, 3,785,431.
Schibbye, Lauritz Benedictus, 3,848,422.
Schibbye, Lauritz Benedictus, 3,811,291.

Svenska Tobaks Aktiebolaget: *See*—
Ernow, Sture Axel, 3,817,258.

Svenska Traforskningsinstitutet: *See*—
Hill, Jan Erik; Eriksson, Erik Lennart; and Lennartsson, Mats, 3,856,408.

Svenska Utvecklingsaktiebolaget: *See*—
Lindstrom, Olle B., 3,801,376.
Lindstrom, Olle B., 3,802,878.

Svenson, Bert N., to Instrument Systems Corporation. Variable ratio belt-type transmission having improved driven pulley. 3,786,688, 1-22-74, Cl. 74-230.17m.

Svensson, Bo Herman Thorwald: *See*—
Hoven, Johan Bertil; Wallgard, Gunnar Alexius; and Svensson, Bo Herman Thorwald, 3,811,112.

Svensson, Erik Torsten Lennart: *See*—
Hogstedt, Klas Ragnar Magnus; Knutsen, Tryggve Lund; Svensson, Erik Torsten Lennart; and Osterman, Sven-Olof, 3,804,964.

Svensson, Gustav Einar Wilhelm. Safety Harness. 3,823,893, 7-16-74, Cl. 242-107.400.

Svensson, Hugo Ragnvald, to Abu Aktiebolag. Deep sea fishing reel. 3,799,472, 3-26-74, Cl. 242-217.000.

Svensson, Hugo Ragnvald, to ABU Aktiebolag. Coupling device for fishing reels. 3,812,940, 5-28-74, Cl. 192-17.000.

Svensson, Karl Gunnar. Method and sheet assembly for producing imaged transparencies suited for projection. 3,840,386, 10-8-74, Cl. 117-36.100.

Svensson, Lars Erik; and Julin, Gustav, to Safer Marketing Aktiebolag. Safety guard device for power presses and the like. 3,819,022, 6-25-74, Cl. 192-134.000.

Svensson, Lars-Erik: *See*—
Lindskog, Per Folke; and Svensson, Lars-Erik, 3,836,355.

Svensson, Orvar Anders, to AGA Aktiebolag. Nozzle for plasma welding torch. 3,851,824, 12-3-74, Cl. 239-132.300.

Svensson, Sven Hugo, to Akandi-Form AB. Chair aggregates. 3,810,674, 5-14-74, Cl. 297-326.000.

Svensson, Sven Rolf, to Svenska Aktiebolaget Plastic Protection. Apparatus for simultaneous flush cleaning mixing chambers. 3,806,030, 4-23-74, Cl. 239-112.000.

Svensson, Sven-Olof, to Intong Aktiebolag. Method of casting aerated concrete products. 3,808,299, 4-30-74, Cl. 264-42.000.

Svensson, Torbjorn, to Linden-Alimak AB. Lift for raise driving apparatus. 3,830,338, 8-20-74, Cl. 182-82.000.

Svensson, Tore Rolf; Fundell, Kjell Erik; Ekemar, Karl Sven Gustave; Lind, Bengt Anders; and Fischer, Udo, to Sandvik Aktiebolag. Method of reducing wear of a cemented carbide roll. 3,847,763, 11-12-74, Cl. 204-148.000.

Svensson, Uno. Method of crimping a socket to a rod formed of aluminum material. 3,828,420, 8-13-74, Cl. 29-517.000.

Sverchkov, Evgeny Ivanovich: *See*—
Buzhinsky, Igor Mikhailovich; Gapontsev, Valentin Pavlovich; Zhabotinsky, Mark Efremovich; Izyneev, Anatoly Andreevich; Koryagina, Elizaveta Ivanovna; Kravchenko, Valery Borisovich; Rudnitsky, Jury Petrovich; Sverchkov, Evgeny Ivanovich; Alesеev, Nikolai Eimovich; and Davydov, Boris Leonidovich, 3,846,142.

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Hakansson, Nils Magnus; and Martensson, Malte Harald, 3,838,761.

Sverre Munck A/S: *See*—
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Svihel, Bernard T.: *See*—
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Svilans, Olgerts Janis. Device for air and fluid acceleration and method of making same. 3,782,857, 1-1-74, Cl. 416-236.000.

Sviridenko, Valentina Yakovlevna: *See*—
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Glukhov, Vasily Pavlovich; Maiorov, Valery Andreevich; and Sviridov, Alexandr Alexandrovich, 3,818,294.

Svirsky, Viktor Alexandrovich: *See*—
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Swader, Robert E.: *See*—
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Swagert, Dean R.: *See*—
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Swaim, Frank H., to United States of America, Navy. Restrictive manipulation limited try mechanism for a combination lock. 3,786,658, 1-22-74, Cl. 70-333.00r.

Swaim, Frank H.; and Widmayer, Raymond S., to United States of America. Silent launch gun for projectiles. 3,837,107, 9-24-74, Cl. 42-1.00f.

Swaiman, Peter Phillimore. Internal combustion engines. 3,802,402, 4-9-74, Cl. 123-119.00a.

Swain, Allan L.: *See*—
Correll, Quentin E.; Swain, Allan L.; Oudijk, Tommy A.; Chamness, Leland D.; and Rudin, Melvin, 3,851,580.
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Swain, James C.; and Adams, Cecil B., to Abex Corporation. Vane pump having extended undervane suction ports. 3,790,314, 2-5-74, Cl. 418-1.000.

Swain, Kenneth W.: *See*—
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Kussy, Frank W.; Swain, Kenneth W.; and Angelis, John G., 3,840,835.

Swain, Kenneth W.; and Belcher, Richard A., to Chase-Shawmut Company, The. Low-voltage fuse with blown fuse indicator. 3,783,428, 1-1-74, Cl. 337-148.000.

Swain, Michael James: *See*—
Duke, Dennis; Swain, Michael James; and Cracknell, Alan, 3,856,350.

Swain, Michael R., to Pollution Free Power Corporation. Hydrogen engine and method of fueling same. 3,799,124, 3-26-74, Cl. 123-1.00a.

Swain, Paul E.: *See*—
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Swain, Roger S.: *See*—
Gallant, Reginald R.; Swain, Roger S.; and Waterman, Neil S., 3,798,611.

Swain, Stephen C., to Cambridge Research and Development Group. Plural chambered, gravity oriented dispenser. 3,851,800, 12-3-74, Cl. 222-145.000.

Swaine, Harry Dugdale. Power transmission system. 3,834,244, 9-10-74, Cl. 74-219.000.

Swales, Danvers Allin; and Carson, John William, to Albright & Wilson, Limited. Electrocoatable paint containing non-ferromagnetic chromium oxide. 3,786,014, 1-15-74, Cl. 260-29.20r.

Swales, Danvers Allin, to Albright & Wilson Limited. Treatment of sewage or contaminated water. 3,814,686, 6-4-74, Cl. 210-47.000.

Swalheim, Donald Arthur, to Du Pont de Nemours, E. I., and Company. Halogen tin electroplating. 3,796,643, 3-12-74, Cl. 204-28.000.

Swalinkavich, Joseph E., Jr. Holder for a paint pail and applicator. 3,857,537, 12-31-74, Cl. 248-210.000.

Swallert, Sven Arild, to Pettersson, Per-Erik. Device for raising the head end and/or foot end of a bed. 3,781,928, 1-1-74, Cl. 5-68.000.

Swallert, Sven Arild. Open-topped foldable receptacle. 3,856,064, 12-24-74, Cl. 150-49.000.

Swallow, Roger T. Elastic stocking with a split adjustable thigh panel. 3,828,369, 8-13-74, Cl. 2-23.900.

Swam, John H.: *See—*
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Swan Corporation: *See—*
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Swan Hunter Group Limited: *See—*
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Swanbeck, Gunnar P. E.; and Schalin, V. Monica, to Medison AB. Hygienic-cosmetic compositions. 3,806,593, 4-23-74, Cl. 424-28.000.
Swanberg, Melvin E., to Xerox Corporation. Data insertion apparatus. 3,784,812, 1-8-74, Cl. 355-41.000.
Swanberg, Melvin E.; and Wilson, James M., to Xerox Corporation. Apparatus for testing a credit card. 3,795,805, 3-5-74, Cl. 250-209.000.
Swanby, Melvin. Combination one way or two way fish line release device. 3,800,458, 4-2-74, Cl. 43-43.120.
Swander, Kenneth D., Jr.; and Wilkins, Ronald D., to Certain-Teed Products Corporation. Internal air assisted brake actuator. 3,813,994, 6-4-74, Cl. 91-471.000.
Swander, Kenneth D., Jr., to Certain-Teed Products Corporation, mesne. Double diaphragm brake operator improvements. 3,842,716, 10-22-74, Cl. 92-63.000.
Swander, Robert E.: *See—*
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Swaney, Larry R., to PPG Industries, Inc. Preparation of submicron titanium carbide. 3,812,239, 5-21-74, Cl. 423-440.000.
Swank, Robert K., to General Electric Company. Cold cathode structure. 3,808,477, 4-30-74, Cl. 317-235.00n.
Swank, Robert R., to National Cash Register Company, The. Grid and co-ordinate location projection system. 3,807,846, 4-30-74, Cl. 353-27.000.
Swanke, Roy L.; and Leonard, Robert M., to Dynamics Corporation of America. Motor stator. 3,829,720, 8-13-74, Cl. 310-43.000.
Swann, Clifford; and Siminski, Gerald W., to Arcata Graphics Corporation. Web tension control system. 3,813,052, 5-28-74, Cl. 242-58.300.
Swann, Michael S., to Hoy Carbides Limited. Bits for lathe tools. 3,802,041, 4-9-74, Cl. 29-96.000.
Swanquist, Wesley W., to All-Steel Inc. Connector for non-metallic sheathed cable. 3,788,582, 1-29-74, Cl. 248-56.000.
Swanson, Allan R., to Clark Equipment Company. Vehicle braking system. 3,856,361, 12-24-74, Cl. 303-6.00r.
Swanson, Allen K., to Hamton Engineering Associates, Inc. Projector dissolve control. 3,832,051, 8-27-74, Cl. 353-85.000.
Swanson, Bernard H., to Super Pigeon Corporation. Reusable target pigeon. 3,853,319, 12-10-74, Cl. 273-105.400.
Swanson, Clifford D. Door jamb with mitered joints and L-shaped brackets. 3,800,488, 4-2-74, Cl. 52-212.000.
Swanson, Colin John, to ISC Alloy Limited of Austral House. Working of alloys. 3,804,677, 4-16-74, Cl. 148-11.50r.
Swanson, Donald F., to Whirlpool Corporation. Ice maker construction. 3,797,271, 3-19-74, Cl. 62-354.000.
Swanson, Frank D.: *See—*
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Shulick, Robert J.; Needham, Lyle L.; and Swanson, Harold V., 3,805,742.
Swanson, Howard E.; and Rudy, Richard S., to GSW Electric Specialty Company. Switch transfer mechanism. 3,858,133, 12-31-74, Cl. 335-160.000.
Swanson, Ian N., to Donaldson Company, Inc. Exhaust muffler for two-stroke cycle engine. 3,786,897, 1-22-74, Cl. 181-54.000.
Swanson, James R.: *See—*
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Swanson, Kenneth D., to Midland-Ross Corporation. Hydraulic booster with pedal travel control. 3,793,829, 2-26-74, Cl. 60-547.000.
Swanson, Kermit E., to Donnelley, R. R., & Sons Company. Apparatus for disposing thin sheet material in a shingled stream. 3,841,622, 10-15-74, Cl. 271-13.000.
Swanson, Leopold G. Multiple adjustment shear. 3,851,389, 12-3-74, Cl. 30-250.000.
Swanson, Linwood B.: *See—*
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Swanson, Lynwood W., to Linfield Research Institute. Method for reproducibly fabricating and using stable thermal-field emission cathodes. 3,817,592, 6-18-74, Cl. 316-26.000.
Swanson, Marvin C.; and Swanson, Harold R. Charcoal grill conversion apparatus. 3,824,984, 7-23-74, Cl. 126-25.00r.
Swanson, Paul A.; and Wiele, Robert W., to Werner, Frank D. Wheel winch with universal hub. 3,784,163, 1-8-74, Cl. 254-166.000.
Swanson, Ralph G.; and Walus, Aloysius N., to Du Pont de Nemours, E. I., and Company. Sealer composition of an acrylic-epoxy ester graft copolymer and an epoxy resin. 3,816,557, 6-11-74, Cl. 260-837.000.
Swanson, Ralph G.; and Walus, Aloysius N., to Du Pont de Nemours, E. I., and Company. Sealer composition of an acrylic-epoxy ester graft copolymer and an epoxy resin. 3,819,567, 6-25-74, Cl. 260-42.280.
Swanson, Robert G.: *See—*
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Meyer, Robert W.; and Swanson, Robert G., 3,836,314.
Swanson, Roy E., Jr., to Baker Oil Tools, Inc. Pulsing gravel pack tool. 3,830,294, 8-20-74, Cl. 166-51.000.
Swanson, Rudolph M. Device for use in developing a square putting stroke. 3,844,569, 10-29-74, Cl. 273-192.000.
Swanson, S. Keith, to Measurex Corporation. Apparatus for measuring the compressibility of cigarettes and the like. 3,850,029, 11-26-74, Cl. 73-81.000.
Swanson, Una N.: *See—*
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Swanson, William C.: *See—*
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Swanwick, Barry Frederick; Mowbray, Melton; Roper, Colin Vincent; and Cell, Dennis, to Stibbe Machinery Limited. Circular knitting machines. 3,791,177, 2-12-74, Cl. 66-147.000.
Swara, Martin L., Sr. Apparatus and method for transferring a body between horizontally spaced supported positions. 3,792,500, 2-19-74, Cl. 5-81.00b.
Swarat, Walter: *See—*
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Swartz, Edwin H. Scrap metal recovery method and apparatus. 3,821,026, 6-28-74, Cl. 134-2.000.
Swartz, Elmer L., to United States of America, Army. Fluid multi- and logical circuit. 3,786,838, 1-22-74, Cl. 137-814.000.
Swartz, George Allan; and Chamberlain, Richard Earl, to RCA Corporation. Encapsulated semiconductor device assembly. 3,783,348, -1-74, Cl. 317-234.00r.
Swartz, Henry D. Thermoplastic heat sealing apparatus. 3,810,806, 5-14-74, Cl. 156-380.000.
Swartz, James R., to Sears, Roebuck and Co. Automatic brightness control for photographic projectors. 3,833,297, 9-3-74, Cl. 353-85.000.
Swartz, Karl M.: *See—*
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Swartz, William G. Rotary engine. 3,823,695, 7-16-74, Cl. 123-8.230.
Swartz, William M. Clock. 3,817,022, 6-18-74, Cl. 58-50.00r.
Swartzbaugh, Peter T.; and Williams, Richard C., to Owens-Illinois, Inc. Ratchet drive child-resistant closure. 3,795,338, 3-5-74, Cl. 215-9.000.
Swartzman, Bernard A. Demonstration typewriter keyboard wall chart. 3,812,277, 5-21-74, Cl. 35-6.000.
Swasey, Warner R., Company, The: *See—*
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Havinga, Reginoldus; and Swaters, Pieter Dirk, 3,850,989.
Swatko, Albert, to Royer Foundry and Machine Co. Feeding assist means for a wood chipper. 3,856,212, 12-24-74, Cl. 241-56.000.

Swatman, Peter R.; and Tullett, John Edgar, to British Leyland (Austin-Morris) Limited. Carburetters for internal combustion engines. 3,819,159, 6-25-74, Cl. 261-44.00r.
Swatty, Eugene E., to Fluid Controls, Inc. Control valve with power accumulating, snap action, spool drive. 3,790,125, 2-5-74, Cl. 251-75.000.
Swaty, Franz, to Stadt Wien. Ventilating system for subways. 3,823,654, 7-16-74, Cl. 98-49.000.
Swatzel, Gareth D., to K & S Feed Bunks, Inc. Slip form. 3,795,469, 3-5-74, Cl. 425-219.000.
Swatzell, Jonathan Michael, Jr. Skein holder with slideable biased pegs. 3,833,183, 9-3-74, Cl. 242-127.000.
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Swavely, Craig E.; and Teagle, Richard E., to United Aircraft Corporation. Balanced flap converging/diverging nozzle. 3,792,815, 2-19-74, Cl. 239-265.390.
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Sweany, Louis P., to Mallory, P. R., & Co., Inc. Piezoelectric transducer and noise making device utilizing same. 3,815,129, 6-4-74, Cl. 340-388.00r.
Swearingen, Judson S. Thrust measurement. 3,828,610, 8-13-74, Cl. 73-140.000.
Swearingen, Judson S. Lubricating and sealing system for a rotary power plant. 3,831,381, 8-27-74, Cl. 60-657.000.
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Reckseit, Bernard S.; and Burgess, George A., 3,791,539.
Strom, John R., 3,810,585.
Sweda, Adam D., to Fruehauf Corporation. Door hardware having floating lock rod. 3,806,173, 4-23-74, Cl. 292-67.000.
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Swedelius, Joseph B. Coupling for connecting aligned tubes. 3,820,831, 6-28-74, Cl. 285-367.000.
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Sweeney, David F., to Mohawk Data Sciences Corporation, mesne. High speed printers with staggered fonts. 3,850,097, 11-26-74, Cl. 101-93.00c.
Sweeney, Donald E., Jr., to Texaco Inc. Means and method for controlling alkylation unit to achieve and maintain a desired hydrocarbon content for recycle acid. 3,814,915, 6-4-74, Cl. 235-151.120.
Sweeney, Donald E., Jr., to Texaco Inc. Means and method for controlling an alkylation unit to achieve a desired feed isobutane flow rate. 3,814,916, 6-4-74, Cl. 235-151.120.
Sweeney, Gerald T., to Tigre Tierra, Inc. Drilling apparatus with down hole motor. 3,854,539, 12-17-74, Cl. 175-92.000.
Sweeney, John; and Sweeney, John Terrence. Display device. 3,807,070, 4-30-74, Cl. 40-28.00r.
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Sweeney, Roy P.; and Shull, Robert W., to Owens-Illinois, Inc. Load stabilization. 3,855,756, 12-24-74, Cl. 53-26.000.
Sweeney, Thomas E.; Condit, Philip M.; and Ormiston, Robert A. Semi-rigid airfoil for airborne vehicles. 3,788,578, 1-29-74, Cl. 244-3.280.
Sweeney, Thomas E.; Schweizer, William S.; and Morris, James J. Flap system. 3,790,106, 2-5-74, Cl. 244-42.0cb.
Sweeney, Thomas E. Apparatus for providing a sailboat with an auxiliary stern mast and sail. 3,795,214, 3-5-74, Cl. 114-39.000.
Sweeney, William A.; and House, Ralph, to Chevron Research Company. Process for converting alkyl sultones to alkene sulfonic acids. 3,845,114, 10-29-74, Cl. 260-513.00r.
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Sweet, Phillip J.; Hamlet, Buck G.; and Sweet, David L., to American Carrier Equipment. Pneumatic suspension unit. 3,782,753, 1-1-74, Cl. 280-124.00f.
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Sweet, Richard G.: *See—*
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Sweet, Theodore R. Heat exchanger. 3,817,219, 6-18-74, Cl. 122-260.000.
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Sweett, Francis Archibald; Casamento, Pietro; and Taylor, Robert Norton, to Commonwealth Scientific and Industrial Research Organization. Process of preparing hop extracts. 3,839,588, 10-1-74, Cl. 426-349.000.
Sweger, Theodore J., to Illinois Railway Equipment Company. Retractable container support for railway flat cars. 3,854,422, 12-17-74, Cl. 105-366.00d.
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Swensson, Earl S., to University of Mississippi, The. Article storing and dispensing module. 3,834,777, 9-10-74, Cl. 312-209.000.
Swensson, Wallin K. Adjusting mechanism for perpetual calendars. 3,785,076, 1-15-74, Cl. 40-335.000.
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Swerdlow, Robert; and Schilder, Emil, to Cinacor, Ltd. Multiple sound system for narrow-width motion picture systems. 3,843,241, 10-22-74, Cl. 352-29.000.
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Swersey, Burt L.; and Fried, Peter I. Scale having a restrained movable balancing member. 3,791,467, 2-12-74, Cl. 177-157.000.
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Swoboda, John J., Jr.; and Swoboda, Norman L. Racking arm for pipe sections, drill collars, riser pipe, and the like used in well drilling operations. 3,840,128, 10-8-74, Cl. 214-1.0bd.
Swoboda, Karl; Kulmburg, Alfred; and Bloch, Rupert, to Gebr. Bohler & Co. AG. Two-stage process of surface-hardening workpieces of hardenable ferrous alloys. 3,834,947, 9-10-74, Cl. 148-12.000.
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White, Jack Mort, 3,846,804.
Wilson, James Oliver; and Finsterwalder, Norman Joseph, 3,807,680.

Sycamore Manufacturing Company, Inc.: *See*—
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Sychbertus, Josephus; and Langerwerf, Adrianus, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid Handel en Verker. Method for halogenizing surfaces of synthetic and/or natural rubber material. 3,793,298,2-19-74, Cl. 260-96.0ha.

Sycor, Inc.: *See*—
Irwin, Samuel N.; Apple, John M.; and Shah, Harshad B., 3,803,632.

Sydansk, Robert D.: *See*—
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Sydney Steel Corporation: *See*—
Wells, William; and Haysom, Derek W. R., 3,819,164.
Wells, William; and Haysom, Derek W. R., 3,823,931.

Sydnor, Garland S., Jr., to Sydnor Hydrodynamics Inc. Aerator apparatus. 3,797,809, 3-19-74, Cl. 261-91.000.

Sydnor Hydrodynamics Inc.: *See*—
Sydnor, Garland S., Jr., 3,797,809.

Sydor, Matthew, to United States Steel Corporation. Oversize subsurface tubing pump installation and method of retrieving the pump. 3,809,162, 5-7-74, Cl. 166-315.000.

Sydow, Donald E.: *See*—
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Syeles, Albert M.: *See*—
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Syfritt, Harold A. Assembly for use in recreational activities. 3,846,858, 11-12-74, Cl. 9-2.00s.

Sygnator, Henry Anton, to Illinois Tool Works, Inc. Chip breaker drill screw. 3,786,713, 1-22-74, Cl. 85-41.000.

Sygnator, Henry Anton, to Illinois Tool Works, Inc. Ear protector. 3,807,526, 4-30-74, Cl. 181-33.00r.

Sygnator, Henry Anton, to Illinois Tool Works Inc. Locking and strip-resistant fastener. 3,812,639, 5-28-74, Cl. 52-758.00f.

Sygnator, Henry Anton, to Illinois Tool Works Inc. Die holder assembly. 3,815,166, 6-11-74, Cl. 10-200.000.

Sygnator, Henry Anton, to Illinois Tool Works Inc. Method and apparatus for swaging screw blank extremities. 3,835,495, 9-17-74, Cl. 10-10.00r.

Sykes, Alfred Ernest. Workpiece holders. 3,813,108, 5-28-74, Cl. 279-4.000.

Sykes, Henry, Limited: *See*—
Allen, Ronald Noel; and Potter, Ernest William, 3,814,184.

Sykora, Bonifac. Device for fishing with a dead minnow. 3,839,814, 10-8-74, Cl. 43-44.200.

Sykora, Hans Werner, to Coleman Company, Inc., The. Noise suppression air duct assembly for air cooled internal combustion engines in vehicle installations. 3,791,482, 2-12-74, Cl. 181-35.00r.

Sykora, Hans Werner, to Coleman Company, Inc., The. Attachment assembly for snowmobile windshield. 3,819,226, 6-25-74, Cl. 296-90.000.

Sykora, Richard, to Ceske vysoke uceni technicke v Praze. Apparatus for the determination of the quality of a pupil's response. 3,837,093, 9-24-74, Cl. 35-9.00a.

Sylten, Hans D.: *See*—
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Sylvan, Bo Anders; and Agren, Nils Axel, to Atlas Copco Aktiebolag. Method and device for drying a compressed working fluid. 3,807,053, 4-30-74, Cl. 34-9.000.

Sylvan, Tage Peter, to Teradyne, Inc. Sequential addressing network testing system. 3,784,910, 1-8-74, Cl. 324-73.0at.

Sylvan, Tage Peter, to Teradyne, Inc. Network tester employing latched test switching units. 3,795,860, 3-5-74, Cl. 324-73.00r.

Sylvania Electric Products Inc.: *See*—
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Waymouth, John F.; and Koury, Frederic, 3,845,342.

Sylvest, Karl Jens, to Smidth, F. L., & Co. Rotary kilns with uphill cooler tubes. 3,794,462, 2-26-74, Cl. 432-80.000.

Sylvest, Karl Jens, 1/2 to Aktieselskabet Niro Atomizer and 1/2 to Smidth, F. L., & Co. Method for manufacturing cement clinker. 3,839,058, 10-1-74, Cl. 106-100.000.

Sylvester, Alfred Glenn: *See*—
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Sylvester, Charles B.: *See*—
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Sylvester, Herbert A.; Partridge, Christopher M.; and Goss, Ira D., to Rothmans, Carreras, Limited. Method of treating tobacco. 3,785,384, 1-15-74, Cl. 131-121.000.

Sylvester, Herbert A., to Carreras Limited. Apparatus for the manufacture of paper filters. 3,818,809, 6-25-74, Cl. 93-1.00c.

Sylvester, Rowland L. Green tire support. 3,812,974, 5-28-74, Cl. 211-23.000.

Sylvestre-Baron, Martial: *See*—
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Sylvie, F. Arthur, to Sylvie, Arthur J. Motor driven brush. 3,790,980, 2-12-74, Cl. 15-23.000.

Sylvie, F. Arthur, to Sylvie, Arthur J. Power-driven rotary brush. 3,813,720, 6-4-74, Cl. 15-23.000.

Symborski, Alex P.: *See*—
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Symersky, Bohuslav, to U.S. Philips Corporation. Method of manufacturing a semiconductor device having a pattern of conductors and device manufactured by using said method. 3,822,467, 7-9-74, Cl. 29-579.000.

Symm, Richard H.; and Barron, Benny G., to Dow Chemical Company, The. Ethoxylated polybutylene glycols as fiber lubricants. 3,834,935, 9-10-74, Cl. 117-138.80b.

Symmes, Eliot N., to American Clinic, Inc. Means and methods to assist people in building up an aversion to undesirable habits. 3,782,006, 1-1-74, Cl. 35-22.00r.

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Symmons, Paul C. Single handle water mixing valve. 3,788,354, 1-29-74, Cl. 137-625.400.

Symon, Ted, to Universal Oil Products Company. Preparation of geranyl compounds. 3,813,450, 5-28-74, Cl. 260-654.00r.

Symonds, Dean Homer, to Deere & Company. Spout control system. 3,786,945, 1-22-74, Cl. 214-42.00a.

Symonds, James Arthur; and Jaquith, Howard Randall, to Sybron Corporation. Volumetric measuring system. 3,851,530, 12-3-74, Cl. 73-395.000.

Symons Corporation: *See*—
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Symons, Lester M., to Uniroyal, Inc. Apparatus for the application of a single strip tread to a carcass. 3,837,967, 9-24-74, Cl. 156-405.000.

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Syntex (U.S.A.) Inc., mesne: *See*—
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Patterson, John W.; and Fried, John H., 3,847,962.
Pfister, Jurg R.; Harrison, Ian T.; and Fried, John H., 3,818,042.
Pfister, Jurg R.; Harrison, Ian T.; and Fried, Jean H., 3,821,251.
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Syntex Corporation: *See*—
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Giudicelli, Don Pierre Rene Lucien; and Gabriel, Jean-Pierre Rene, 3,852,453.
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Synthelabo S.A.: *See*—
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Synthetic Chemicals Limited: *See*—
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Synthetic Electronic Technology Co., Inc.: *See*—
Schneider, Robert F., 3,809,517.

Synthron Chemicals, Inc.: *See*—
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Sypal, Bobhumil. Dispenser for discharging a quantity of a substance into a conduit. 3,797,708, 3-19-74, Cl. 222-193.000.

Sypitkowski, James R., to Carborundum Company, The. Pressure responsive check valve. 3,844,947, 10-29-74, Cl. 210-130.000.

Sypniewski, David L.: *See*—
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Syria, Ronald L., to Borg-Warner Corporation. Analyzer for control system which regulates vehicle braking. 3,841,712, 10-15-74, Cl. 303-21.0af.

Syria, Ronald L., to Borg-Warner Corporation. Control system regulated braking arrangement. 3,843,207, 10-22-74, Cl. 303-21.0cg.

Syrjanen, Ahti, to Yhtyneet Paperitehtaat Oy Jylhavaara. Pulp grinder. 3,848,814, 11-19-74, Cl. 241-37.000.

Syrop, Leroy J., to Del Mar Engineering Laboratories. Apparatus for processing hexanitrostilbene. 3,832,142, 8-27-74, Cl. 23-272.650.

Sysin, Alexandr Yakovievich: *See*—
Yakobson, Yakov Savelievich; Sysin, Alexandr Yakovievich; Leonov, Vyacheslav Stepanovich; Ignatovich, Vladimir Alexeevich; Popov-Iliin, Boris Petrovich; Skachkov, Alexandr Nikolaevich; Skudina, Natalia Alexandrovna; Forichev, Sergei Gavrilovich; Degtyarev,Gavriil Artemovich; Bir, Mirev Leizerovich; Kovanov, Nikolai Ivanovich; Melnikov, Jury Sergeevich; and Voskoboinikova, Lidia Mikhailovna, 3,822,418.

Sysk, Gerald R. Time lock case. 3,798,937, 3-26-74, Cl. 70-269.000.

System Research, Inc.: *See*—
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Systems Discipline, Inc.: *See*—
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Systems Engineering & Manufacturing Corporation: *See*—
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Systems Engineering Company: *See*—
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Systems Engineering Laboratories: *See*—
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Systems Manufacturing Corporation: *See*—
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Systems Research Laboratories, Inc.: *See*—
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Systems Technology Corporation: *See*—
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Systomation, Incorporated: *See*—
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Farrer, Leland M., 3,820,039.
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Sysun, Viktor Viktorovich; Basov, Jury Georgievich; and Roldugin, Vladimir Ivanovich. Gas-dynamic discharge light. 3,829,732, 8-13-74, Cl. 313-198.000.

Syuto, Toshiyuki: *See*—
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Syva Company: *See*—
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Rubenstein, Kenneth E.; and Ullman, Edwin F., 3,852,157.
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Syverson, Martelle J., to Fountain Industries, Inc. Adjustable timing cam for hot drink dispensers. 3,794,149, 2-26-74, Cl. 194-13.000.

Syverson, Martelle J. Hot drink dispenser. 3,805,999, 4-23-74, Cl. 222-129.400.

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Szabados, Lydia, nee Borbas. Kitchen utensils with removable grips. 3,815,175, 6-11-74, Cl. 16-114.000.

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Szabo, Andras I.; and Diaz, Ricardo A., to Westinghouse Electric Corporation. Common mode noise suppressing circuit adjustment sequence. 3,832,646, 8-27-74, Cl. 330-30.00d.

Szabo, Andras I.; and Tarli, Dan V., to Westinghouse Electric Corporation. Position indicator employing magnetic circuits to monitor the position of a magnetically permeable member movable along an axis having one degree of freedom. 3,852,661, 12-3-74, Cl.324-34.0ps.

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Szabo, Erwin I., to Canadian Patents and Development Limited. Method of forming foundry moulds. 3,850,733, 11-26-74, Cl. 204-181.000.

Szabo, Karoly, to Esso Research and Engineering Company. Control of insects with certain phosphorus-containing thiomorpholinones. 3,794,730, 2-26-74, Cl. 424-200.000.

Szabo, Karoly; and Ganti, Venkat Rao. Novel alpha-cyano esters of isocyanic acid and α-cyanoalkylcarbamoyl halides effective as intermediates for herbicidal agents. 3,803,208, 4-9-74, Cl. 260-465.400.

Szabo, Karoly; and Ganti, Venkat Rao. Novel m-[3,3-disubstitutedureido)phenyl (α-cyanoalkyl)carbamates and to a method for the control of undesirable plant species therewith. 3,823,178, 7-9-74, Cl. 260-465.00d.

Szabo, Karoly, to Stauffer Chemical Company. M-amidophenylcarbamates. 3,836,570, 9-17-74, Cl. 260-471.00c.

Szabo, Katalin, nee Mogyorosi; Banhidy, Janos; Lazar, Ferenc; and Ormossy, Miklos, to Tatabanyai Szenbanyak. Process for the comminution of particulate alluminaceous materials. 3,853,535, 12-10-74, Cl. 75-1.000.

Szabo, Louis R.; and Lazarus, Martin, to United States of America, Army. Novel ICI corrected phototransducer for measuring light output of photoflash items. 3,812,350, 5-21-74, Cl. 250-226.000.

Szabo, Marton; and Bush, George W., to Philadelphia Handle Company, Inc. Flat collapsible handle with closed-cell foam finger grip. 3,795,941, 3-12-74, Cl. 16-115.000.

Szabo, Marton; and Bush, George W. Rigid substantially U-shaped handle with closed-cell foam handgrip. 3,813,729, 6-4-74, Cl. 16-119.000.

Szabo, Marton J., to Philadelphia Handle Company, Inc. Collapsible self-returning handle with hideaway linkage. 3,808,634, 5-7-74, Cl. 16-115.000.

Szabo, Miklos Tamas; Sharpe, Andrew Jackson, Jr.; and Sherwood, Nancy Spicer, to Calgon Corporation. Producing well treatment. 3,826,311, 7-30-74, Cl. 166-295.000.

Szabo, Suzanne: *See—*
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Szabrak, Robert H.; and Lutes, Wilbur J., to Stein, Sam, Associates, Inc. Cleaner stand for computer disks. 3,792,507, 2-19-74, Cl. 15-268.000.

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Szala, Norman M.; O'Neill, Thomas J.; and Kunst, Robert J., to Pullman Incorporated. Automobile wheel chock. 3,799,069, 3-26-74, Cl. 105-368.00r.

Szalanczy, Andras; Shrader, Erwin F.; Shoffner, Bruce M.; and Chamberlain, James D., to Kewanee Oil Company. Automatic thermoluminescence dosimetric system with coded card. 3,809,901, 5-7-74, Cl. 250-337.000.

Szalay, Laszlo G.: *See—*
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Szappanyos, Bela J. Method of prophylaxis and therapy of species ulmus for Dutch Elm disease caused by Ceratocystis Ulmi. 3,849,566, 11-19-74, Cl. 424-343.000.

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Szarvasi, Etienne; and Fontaine, Louis, to Lipha, Lyonnaise Industrielle Pharmaceutique. Novel substituted (nitrofurylacrylidene) hydrazines with antibacterial properties. 3,847,911, 11-12-74, Cl. 260-240.00a.

Szasz, Imre, to Paratronic AG. Measuring system for non-destructive thickness measurement of electrically non-conductive coatings on electrically conductive bodies. 3,801,900, 4-2-74, Cl. 324-61.00r.

Szatkowski, Richard R., to Continental Can Company, Inc. Method for making tubular containers. 3,833,692, 9-3-74, Cl. 264-24.000.

Szatkowski, Richard R., to Continental Can Company, Inc. Container and container blank. 3,841,479, 10-15-74, Cl. 206-524.000.

Szczepanski, Harry. Hot-water mask-washing machine. 3,812,869, 5-28-74, Cl. 134-111.000.

Szczepanski, Harry. Spray booth. 3,813,042, 5-28-74, Cl. 239-193.000.

Szczepanski, Harry. Automatic spray-painting machine. 3,828,721, 8-13-74, Cl. 118-7.000.

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Szekely, Andrew G.: *See—*
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Szekeres, Gabor L.; Robins, Roland K.; and Long, Robert A., to International Chemical & Nuclear Corporation. 3-Oxo-1,2,4-triazine nucleosides. 3,824,229, 7-16-74, Cl. 260-221.50r.

Szeler, Zbigniew W.: *See—*
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Szell, Valeria: *See—*
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Sziburies, Werner: *See—*
Heidrich, Klaus; Kietz, Lothar; and Sziburies, Werner, 3,841,498.

Szieleit, Hans J., to Esso Research and Engineering Company. Lubricant providing improved fatigue life. 3,816,313, 6-11-74, Cl. 252-49.600.

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Szinai, Stephen Slomo, to Lilly, Eli, and Company. Process for preparing adamantane derivatives. 3,845,131, 10-29-74, Cl. 260-586.00r.

Szkrybalo, William: *See—*
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Szmuszkovicz, Jacob, to Upjohn Company, The. 7-Phenylpyrimido[1,2-a] [1,4] benzodiazepin-1(5H)-ones. 3,842,080, 10-15-74, Cl. 260-256.40f.

Szmuszkovicz, Jacob, to Upjohn Company, The. Debenzo[b,f]-s-triazolo[4,3-d][1,4] thiazepines-3-ones and dioxo derivatives thereof. 3,853,881, 12-10-74, Cl. 260-268.0pc.

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Szmuszkovicz, Jacob, to Upjohn Company, The. 1,6-Disubstituted-4H-s-[4,3-a]benzodiazepines. 3,856,802, 12-24-74, Cl. 260-296.00t.

Szmutko, Charles J., to Purolator, Inc. Spin-on air filter. 3,785,129, 1-15-74, Cl. 55-419.000.

Szoke, Abraham, to Massachusetts Institute of Technology. Bistable optical device. 3,813,605, 5-28-74, Cl. 330-4.300.

Szorc, Jan, to KHL Research and Development Corporation. Hum reduction in transistor amplifiers. 3,851,269, 11-26-74, Cl. 330-13.000.

Szpitalak, Wesley J., to Continental Can Company, Inc. Apparatus for preventing printing of an empty mandrel. 3,822,639, 7-9-74, Cl. 101-40.000.

Szporny, Laszlo: *See—*
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Szpur, Roman. Retention catheter. 3,799,172, 3-26-74, Cl. 128-349.00r.

Szpur, Roman, to Medicotech Company. Self-retaining surgical retractor. 3,810,462, 5-14-74, Cl. 128-20.000.

Szpur, Roman, to NDM Corporation, mesne. Medical electrode. 3,820,531, 6-28-74, Cl. 128-2.06e.

Szpur, Roman, to Vital Research & Development, Inc. Fluid treatment system. 3,852,196, 12-3-74, Cl. 210-133.000.

Szpytman, Jack J. Watercraft. 3,796,177, 3-12-74, Cl. 114-66.500.

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Szulman, Eigard. Toolmaker's vise. 3,835,594, 9-17-74, Cl. 51-220.000.

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Szymanski, Chester D.; Tessler, Martin M.; and Bell, Harvey, to National Starch and Chemical Corporation. Food products containing epichlorohydrin-inhibited, stabilized retort starches. 3,857,976, 12-31-74, Cl. 426-167.000.

Szymanski, Donald Michael, to American Standard Inc. Adaptor for plumbing fitting. 3,823,737, 7-16-74, Cl. 137-607.000.

Szymanski, Richard: *See—*
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Szymber, Oleg; and Shim, Norman, to GAF Corporation. Automatic focusing system for projectors and the like. 3,813,155, 5-28-74, Cl. 353-101.000.

Szynka, Peter, to Lohmann & Stolterfoht Aktiengesellschaft. Clutch-coupling assembly. 3,804,220, 4-16-74, Cl. 192-85.0ab.

T & S Equipment Company: *See—*
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T. B. Wood's Sons Company: *See—*
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Tabalba, Camilo Manansala, to International Standard Electric Corporation. Electronic telephone transmission circuit. 3,823,272, 7-9-74, Cl. 179-81.00a.

Tabalba, Camilo Manasala: *See—*
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Tabara, Yoshijiro; Akiyama, Hiroshi; Sato, Shoji; Miyata, Seiji; and Sakunaga, Kenichi, to Mitsubishi Rayon Company Limited. Apparatus for the continuous preparation of a polymeric solution. 3,844,722, 10-29-74, Cl. 23-267.00r.

Tabard, Jean-Louis, to Societe Genevoise d'Instruments de Physique. Dividing or indexing apparatus. 3,822,959, 7-9-74, Cl. 408-89.000.

Tabata, Hisanobu; Tabata, Norimasa; and Nakajima, Rokuro; deceased (by Nakajima, Tama; heir). Method of preparing magnesium hydroxide. 3,819,803, 6-25-74, Cl. 423-160.000.

Tabata, Kazuo; and Togasaka, Masanari. Swimmer's foot fin. 3,810,269, 5-14-74, Cl. 9-309.000.

Tabata, Norimasa: *See—*
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Tabata, Yoneho, to Japan Atomic Energy Research Institute. Method for cross-linking copolymer of tetrafluoroethylene and propylene by ionizing radiation. 3,846,267, 11-5-74, Cl. 204-159.170.

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Taber, David; and Zakaria, Moneeb, to Armour-Dial, Inc. Germicidal process and detergent compositions. 3,793,213, 2-19-74, Cl. 252-107.000.

Tabernacki, Harry A., to Kraftco Corporation. Apparatus for distributing particulate material. 3,820,503, 6-28-74, Cl. 118-24.000.

Tabibian, Richard M., to Du Pont de Nemours, E. I., and Company. Polychloroprene for non-phasing solvent cements. 3,824,203, 7-16-74, Cl. 260-23.70h.

Tabiichi, Yukio; Yamazaki, Yuichi; and Sato, Yoshiharu, to Nippon Telegraph and Telephone Public Corporation and Anritsu Electric Company Ltd. Coin telephone sets. 3,794,770, 2-26-74, Cl. 179-6.30r.

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Tabler, Donald C., to Phillips Petroleum Company. Hydrogenation of cyclopentadiene. 3,853,748, 12-10-74, Cl. 208-255.000.

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Tabor, John R. Method for constructing an underground railway. 3,813,885, 6-4-74, Cl. 61-44.000.

Tabor, Loring E., to Imbertson, N. M. & Associates, Inc. Collapsible dam and damming method. 3,834,167, 9-10-74, Cl. 61-30.000.

Tabor, Patrick M. Container for explosive charge. 3,786,956, 1-22-74, Cl. 220-63.00r.

Taboultier, Paul J.; and Abgrall, Rene J., to Etat Francais represente par le Ministre d'Etat Charge de la Defense Nationale Delegation Ministerielle pour l'Armement Direction Technique des Constructions Navales. Stop members in ships. 3,818,853, 6-25-74, I. 114-170.000.

Tabourier, Remy, to Thomson-CSF. Monopulse radar receiver. 3,810,177, 5-7-74, Cl. 343-16.00m.

Tabuchi, Hideho: *See—*
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Taccon, Danizzo. Air pressurized actuated atomizer. 3,791,580, 2-12-74, Cl. 239-414.000.

Taccone, Russell William, to Combustion Engineering, Inc. Briquetting press. 3,811,813, 5-21-74, Cl. 425-252.000.

Taccone, Russell William. Conveyor for a flaskless mold line. 3,840,066, 10-8-74, Cl. 164-323.000.

Tachibana, Atsushi: *See—*
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Tachibana, Koichi: *See—*
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Tachick, Henry N.; and Arndt, Richard H., to General Electric Company. Elastomeric shield for an electrical conductor connector module and method of making same. 3,793,614, 2-19-74, Cl. 339-143.00r.

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Tachikawa, Kyoji; and Inoue, Kiyoshi, to National Research Institute for Metals, The Director of. Alloy for superconductive magnet. 3,792,990, 2-19-74, Cl. 75-134.00v.

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Tachimoto, Kazuo: *See—*
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Tack, Carl E., to Trans Dyne, Inc. Spring mounted snubber wear plate. 3,834,320, 9-10-74, Cl. 105-197.00d.

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Tacke, William H.; Ormiston, Robert B.; and McKay, Robert H., to Steelcase Inc. Panel system. 3,802,146, 4-9-74, Cl. 52-624.000.

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Tackett, Edd; and Broscoff, Mary E. Abrasive cutter end-profiling machine. 3,807,096, 4-30-74, Cl. 51-40.000.

Tackett, Marcus, Jr., to Tangen Drives, Inc. Shallow cup feeder and orienter. 3,828,921, 8-13-74, Cl. 198-287.000.

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Tada, Rentaro; Sato, Kenji; and Nishioka, Kinichi, to Kuraray Co., Ltd. Separation and purification of the saponified ethylene-vinyl acetate interpolymers. 3,847,845, 11-12-74, Cl. 260-2.50m.

Tada, Shoji: *See—*
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Tada, Siro, to Matsushita Electric Industrial Co., Ltd. Channel indicator. 3,855,963, 12-24-74, Cl. 116-124.100.

Tada, Tetsuya. Sprayer. 3,797,749, 3-19-74, Cl. 339-321.000.

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Tajihi, Michio, to Kabushiki Kaisha Yamamoto Kogyosho. Fibrous roll impregnated with developer liquid and method of making same. 3,814,054, 6-4-74, Cl. 118-258.000.

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Tajima, Koi: *See—*
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Takada, Masaharu; Yamada, Koichi; and Hamahata, Kozo, to Sasakura Engineering Co., Ltd. Evaporating method and apparatus. 3,824,154, 7-16-74, Cl. 202-174.000.

Takada, Masaharu, to Sasakura Engineering Co. Ltd. Multiple effect evaporating apparatus. 3,824,155, 7-16-74, Cl. 202-174.000.

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Takagi, Kazumi; Matsuda, Teruo; and Murakami, Masahiro, to Sumitomo Chemical Company, Ltd. Method for producing isoprene. 3,793,390, 2-19-74, Cl. 260-681.000.

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Taketsume, Yukuo: *See*—
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Takeuchi, Satoshi; and Saito, Hachiro, to Dai Nippon Insatsu Kabushiki Kaisha. Method for recording a visible image on a substrate by using an electroconductive toner. 3,788,738, 1-29-74, Cl. 355-17.000.
Takeuchi, Setsuyuki; Ibe, Nobukuni; Iriko, Fumio; and Yuzawa, Yoshihiko, to Showa Denko Kabushiki Kaisha and Nissei Plastics Industrial Co., Ltd. Apparatus for producing hollow molded articles. 3,850,562, 11-26-74, Cl. 425-242.00b.
Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Car wheel washing apparatus. 3,783,465, 1-8-74, Cl. 15-2.00e.
Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Vehicle drying apparatus. 3,803,727, 4-16-74, Cl. 34-229.000.
Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Washing brush operation system for a continuously operative car washing apparatus. 3,806,978, 4-30-74, Cl. 15-21.00d.
Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Apparatus for air drying vehicles. 3,806,985, 4-30-74, Cl. 15-307.000.
Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Brush supporting device for a car washer. 3,818,530, 6-25-74, Cl. 15-21.00d.
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Takeuchi, Syozo, to Fuji Photo Film Co., Ltd. Ultrasonic delay line glass. 3,799,784, 3-26-74, Cl. 106-53.000.
Takeuchi, Takeshi, to Hochiki Corporation. Modulator arrangement for catv systems. 3,840,812, 10-8-74, Cl. 324-308.000.
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Takeya, Yoshiaki: *See*—
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Takeyama, Hidehiko; and Takada, Koji, to Industrial Science & Technology, Agency of. Device for controlling dimensional accuracy during machining of a cylindrical workpiece. 3,812,376, 5-21-74, Cl. 250-572.000.
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Takigawa, Tomoshi; and Toyama, Masamichi, to Canon Kabushiki Kaisha. Device to adjust aperture opening angle of motion picture camera. 3,843,243, 10-22-74, Cl. 352-209.000.
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Takiguchi, Sunichi; Satoyoshi, Yasuhiko; Hamada, Shinji; Nakamura, Takeshi; Koba, Sadaaki; and Shimoda, Noboru, to Fuji Photo Film Co., Ltd. Film cassette cover opener. 3,857,153, 12-31-74, Cl. 29-200.00d.
Takiguchi, Takashi: *See*—
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Takimoto, Yasuyuki; and Yoshikawa, Toshikazu, to Nippon Paint Co., Ltd. Plastic matrix and resin composition used for preparing same. 3,812,078, 5-21-74, Cl. 260-42.290.
Takiron Co., Ltd.: *See*—
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Taksahi, Masanori; and Yoshiyasu, Mitsuo, to Mitsubishi Petrochemical Company Limited. Apparatus for making synthetic paper. 3,841,943, 10-15-74, Cl. 156-494.000.

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Talak, John Frank; and Hobson, John Lester, to Deere & Company. Control system for a hydraulically-operable brake and transmission. 3,854,559, 12-17-74, Cl. 192-4.00a.

Talamantz, Rudolph. Sortation system. 3,804,241, 4-16-74, Cl. 209-125.000.

Talan, Maryan. Device for fastening objects to walls or other supports. 3,832,931, 9-3-74, Cl. 85-83.000.

Talavera, Jean Joseph, to Eastman Kodak Company. Magnetic tape cassette. 3,833,185, 9-3-74, Cl. 242-199.000.

Talbat, Richard C.; Rose, Edward; and Roth, Robert A., to Peters Machinery Company. Slug conveyor for conveying slugs of articles and releasing the slugs of articles for packaging. 3,828,918, 8-13-74, Cl. 198-155.000.

Talbert, Charles D.: *See—*
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Talbert, Norwood K. Humidifier. 3,802,161, 4-9-74, Cl. 55-226.000.

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Talboom, Frank P., Jr.; and Mushovic, John N., to United Aircraft Corporation. Determination of thermal profile history of high temperature parts. 3,839,898, 10-8-74, Cl. 73-15.00r.

Talbot, Alfred F.: *See—*
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Talbot, Edmund H.: *See—*
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Talbot, John Henry. Analysis and representation of the size, shape and orientation characteristics of the components of a system. 3,809,478, 5-7-74, Cl. 356-71.000.

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Talbot, Richard C.; Ruse, Edward; and Roth, Robert A., to Peters Machinery Company. Hot air sealing apparatus for cartons. 3,785,255, 1-15-74, Cl. 93-41.000.

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Talbot, William Carl; and Lindsey, Cornelius. Educational device. 3,827,160, 8-6-74, Cl. 35-9.00r.

Talbott, John W.; and Logan, James D., to Berol Corporation. Method for forming boards from particles. 3,843,756, 10-22-74, Cl. 264-24.000.

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Talge, Henry J.; and McNair, Samuel L., to Dazey Products Company. Portable bidet. 3,795,015, 3-5-74, Cl. 4-7.000.

Taliaferro, William D.: *See—*
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Talkies U.S.A., Inc.: *See—*
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Talkin, Albert I.; Toda, Kenji; and Roffman, Gary L., to United States of America, Army. Matched acoustic generator. 3,813,920, 6-4-74, Cl. 73-37.000.

Talkington, Howard R., to United States of America, Navy. Submersible underwater docking concept. 3,807,335, 4-30-74, Cl. 114-44.000.

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Tall, Leonard H.; Carlstedt, Paul A.; and Erickson, Arlen J., to CX Processing Laboratories, Inc. Processor S photographic print sorting and packaging machine and method. 3,789,571, 2-5-74, Cl. 53-54.000.

Tall, Leonard H.; Catlstedt, Paul A.; and Erickson, Arlen J. Apparatus for bureting sectionalized elongated strips. 3,797,719, 3-19-74, Cl. 225-100.000.

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Tallack, Ian Christopher: *See—*
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Talley, Lawrence M., to Watteredge-Uniflex, Inc. Hose retaining device for liquid cooled flexible electrical cable. 3,851,092, 11-26-74, Cl. 174-19.000.

Talley-Trac Corporation, mesne: *See—*
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Tallman, Charles V., to United States of America, Navy. Method of making compliant suspension cable. 3,793,823, 2-26-74, Cl. 57-163.000.

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Talmo, Robert Eugene, to International Telephone and Telegraph Corporation. Method of making a transducer. 3,803,706, 4-16-74, Cl. 29-610.000.

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Talov, Vladislav Vasilievich; and Yatsuk, Vladimir Grigorievich. Control device for a reversible static frequency converter. 3,823,361, 7-9-74, Cl. 321-27.00r.

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Taniuchi, Akira; and Nakano, Takuji, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Flame retarding halogenated compounds. 3,821,316, 6-28-74, Cl. 260-615.00d.

Taniyama, Mitsumasa, to Goal Lock Company. Latch lock. 3,799,591, 3-26-74, Cl. 292-71.000.

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Tannas, Lawrence E., Jr.; and Hobbs, John V., to Rockwell International Corporation. Liquid crystal bar graph display. 3,835,465, 9-10-74, Cl. 340-324.00r.

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Tanner, Chase. S., Co.: *See—*
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Tanner, David A.: *See—*
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Tanner, Homer C., to Southeastern Aluminum Products, Inc. Panel edging member and assembly. 3,838,548, 10-1-74, Cl. 52-656.000.

Tanner, Joseph A.: *See—*
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Tant, William A. Semi-automatic firearm. 3,857,324, 12-31-74, Cl. 89-197.000.

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Tao, Fan-Sheng: *See—*
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Tapia, Leonard G.: *See—*
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Stratmann, Jerome F.; and Novak, John, 3,821,927.
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Tappe, Gerald D., to Feather River Orthodontic Laboratory, Inc. Dentometer. 3,839,801, 10-8-74, Cl. 33-179.000.

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Tapper, Donald N.: *See—*
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Tapper, Michael, to Burgess Pigment Company. Stable suspensions of calcined clays. 3,846,147, 11-5-74, Cl. 106-288.00b.

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Tarcici, Adnan. Solar heating device. 3,797,476, 3-19-74, Cl. 126-270.000.

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Tarman, Paul B.: *See—*
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Tasse, Noel. Dumping scraper-barrow. 3,833,262, 9-3-74, Cl. 298-2.000.

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Tate, Harry R. Torque applying and torque limiting tool. 3,799,307, 3-26-74, Cl. 192-956.00f.

Tate, Jack F.: *See—*
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Tate, Jack F., to Texaco Inc. Waste water treatment method. 3,817,859, 6-18-74, Cl. 210-57.000.

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Tate, John L.; and Jackson, Robert L., to American Air Filter Company, Inc. Fluid treating filter. 3,793,692, 2-26-74, Cl. 29-163.50f.

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Tate, Raymond F. Multi-purpose picture frame. 3,811,214, 5-21-74, Cl. 40-152.000.

Tate, Robert B. Dual action drill pipe mud wiper. 3,822,753, 7-9-74, Cl. 175-84.000.

Tate, Thomas E., to Medical Evaluation Devices & Instruments Corporation. Distally valved catheter device. 3,841,308, 10-15-74, Cl. 128-2.00m.

Tate, William H. Apparatus for manufacturing cheese. 3,797,380, 3-19-74, Cl. 99-464.000.

Tate, William H., to Owl Slipform Concrete Co. Traveling wire grade control apparatus for slipform machines. 3,807,887, 4-30-74, Cl. 404-84.000.

Tateda, Koichi, to Sharp Kabushiki Kaisha. Air cooled microwave cooking oven and door. 3,783,219, 1-1-74, Cl. 219-10.550.

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Tateishi, Teizabro; Murase, Koichi; and Iwanaga, Yukio, to Fuji Oil Company, Ltd. Process for preparing hard butter. 3,856,831, 12-24-74, Cl. 260-409.000.

Tateishi, Teizaburo: *See—*
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Tateisi, Kazuma, to Omron Tateisi Electronics Co. Apparatus for packing and dispensing thin objects. 3,849,968, 11-26-74, Cl. 53-54.000.

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Taudt, Heinz; and Bruckner, Wolfgang, to Hell, Rudolf, Dr., Ing., GmbH. Method and apparatus for varying the frequency of an alternating voltage. 3,803,500, 4-9-74, Cl. 328-185.000.
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Tausch, Gilbert H.; and Watkins, Fred E., to Camco Incorporated. Lockout for well safety valve. 3,786,865, 1-22-74, Cl. 166-274.00s.
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Tausch, Gilbert H., to Camco Incorporated. Subsurface well safety valve. 3,799,258, 3-26-74, Cl. 166-72.000.
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Taylor, Anna J. Thread dispensing bobbin. 3,827,653, 8-6-74, Cl. 242-137.100.
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Taylor, Betty L. Portable collapsible signal device. 3,800,730, 4-2-74, Cl. 116-114.00r.
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Taylor, Frank H., to Otis Engineering Corporation. Large bore rotary safety valves for wells. 3,826,462, 7-30-74, Cl. 251-58.000.
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Taylor, George William Charles; Thomas, Arwyn Theophilus; and Williams, Raymond James Edward, to United Kingdom of Great Britain and Northern Ireland, Minister of Aviation in Her Majesty's Government of the. Lead compounds of 4:6-dinitroresorcinol. 3,803,10, 4-9-74, Cl. 260-435.00a.
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Taylor, Jack William, to Ingersoll Locks, Limited. Keys. 3,797,292, 3-19-74, Cl. 70-409.000.
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Taylor, John Sassons. Fuel control system for gas turbine engine. 3,808,798, 5-7-74, Cl. 60-39.28r.
Taylor, John Sassons. Fuel metering valve. 3,808,799, 5-7-74, Cl. 60-39.28r.
Taylor, John Sassons, to Lucas, Joseph, (Industries) Limited. Fuel control system for gas turbine engine. 3,808,800, 5-7-74, Cl. 60-39.28r.
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Taylor, Julian S. Restrictor valve. 3,812,882, 5-28-74, Cl. 137-556.600.
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Taylor, Paul Franklin. Process for lanthanide and actinide metals ore reduction. 3,791,815, 2-12-74, Cl. 75-84.10r.
Taylor, Paul Franklin. Process for class IV B metals ore reduction. 3,811,871, 5-21-74, Cl. 75-84.000.
Taylor, Paul Franklin. Process for class VIIIB metals ore reduction. 3,833,353, 9-3-74, Cl. 75-21.000.
Taylor, Philip W., to Taylor Industries, Inc. Electrical wiring duct with mounting clip. 3,809,799, 5-7-74, Cl. 174-68.00c.
Taylor, Richard F., to Anglo-Transvaal Consolidated Investment Company. Stope mining machinery having free swinging hammers. 3,820,846, 6-28-74, Cl. 299-1.000.
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Taylor, Robert E. Container construction. 3,801,001, 4-2-74, Cl. 229-39.00r.
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Taylor, Thomas L. Step auger and rock bit combination. 3,794,129, 2-26-74, Cl. 175-391.000.
Taylor, Thomas W.; Ciuffini, Anthony J.; and Gerace, Paul L., to Xerox Corporation. Strippable overcoating for improved xerographic plates. 3,856,548, 12-24-74, Cl. 117-6.000.
Taylor, Victor E.; Choate, Wallace R.; Banachowski, Stanley; Johnson, Robert W.; and Faison, Robert C., to Warner & Swasey Company, The. Punch press workholder. 3,835,743, 9-17-74, Cl. 83-146.000.
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Taylor, William, to Ebco Manufacturing Company. Cooler and faucet-equipped beverage containers. 3,811,294, 5-21-74, Cl. 62-390.000.
Taylor, William C., to Automation Devices, Inc. Linear vibratory feeder. 3,786,912, 1-22-74, Cl. 198-220.0cc.
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Teach, Eugene G., to Stauffer Chemical Company. Anilide dioxolanes and dioxanes and their utility as herbicides. 3,792,062, 2-12-74, Cl. 260-340.700.
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Teach, Eugene G., to Stauffer Chemical Company. Meta-anilide urea compositions and their utility as herbicides. 3,816,498, 6-11-74, Cl. 260-453.00r.
Teach, Eugene G., to Stauffer Chemical Company. Bis-meta-phenylene ureas and their utility as herbicides. 3,816,527, 6-11-74, Cl. 260-552.00r.
Teach, Eugene G., to Stauffer Chemical Company. Bis-meta-phenylene ureas and their utility as herbicides. 3,823,188, 7-9-74, Cl. 260-553.00c.
Teach, Eugene G., to Stauffer Chemical Company. Phenoxy acetals and their utility as herbicides. 3,835,171, 9-10-74, Cl. 260-455.00a.
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Teague, Roger W.; and Snyder, Richard Paul, to General Signal Corporation. System and apparatus for cleaning bar grid. 3,856,216, 12-24-74, Cl. 241-46.00r.
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Teed, Richard K., to Riegel Textile Corporation. Fiberizing and pad forming apparatus. 3,857,657, 12-31-74, Cl. 425-10.000.
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Tenteris, Ansis U.; and Wetzel, Bruce W., to Jobst Institute, Inc. Body support cushioning system with sideboard positioning mechanism. 3,800,342, 4-2-74, Cl. 5-348.0wb.
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Teot, Arthur S.: *See—*
Little, John C.; Teot, Arthur S.; and Harris, Robert F., 3,819,538.
Teotino, Uberto Maria: *See—*
Bella, Davide Della; Veneziani, Carlo; Chiarino, Dario; and Teotino, Uberto Maria, 3,857,857.
Teotino, Uberto Maria; and Bella, Davide Della, to Zambon S.p.A. Long lasting antibiotic composition comprising the 3-palmitic ester of thiamphenicol. 3,803,321, 4-9-74, Cl. 424-312.000.
Tepas, Joseph J., Jr., to Olin Corporation. Dissolving and dispensing apparatus having rotary liwuid receptacle. 3,802,845, 4-9-74, Cl. 23-267.00e.
Tepper, Joel, to Lee, Raymond, Organization, Inc., The. Motor vehicle anti-skid device. 3,794,144, 2-26-74, Cl. 188-4.00r.
Tepper, Leonard, to Mann, Henry, Inc. Adjustable die pair for cutting and forming axial leads of electrical components. 3,812,703, 5-28-74, Cl. 72-326.000.
Tepper, Sidney; and Fauls, Thomas J., to Educational Toys Inc. Educational toy. 3,786,577, 1-22-74, Cl. 35-35.00d.
Teppo, Anna Maija, to Orion-Yhtyma Oy. Method in the quantitative and qualitative determination of molecules having antigenic properties by immunoelectrophoresis. 3,855,094, 12-17-74, Cl. 204-180.00g.
Ter Steege, Jan Hendrik: *See—*
DeVos, Ferdinand Allard; and Ter Steege, Jan Hendrik, 3,784,739.
Ter-Gevorkian, Vrej; deceased (by Sarhadiam, Aram; administrator). Chess wheel. 3,848,345, 11-19-74, Cl. 35-8.00r.
Terabayashi, Takeshi: *See—*
Inagami, Kaoru; Kamada, Hidemoto; Ino, Kazuo; Terabayashi, Takeshi; Iio, Hiroki; and Yamamura, Hirosi, 3,800,052.
Terada, Chiaki: *See—*
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Terada, Fumio; Matsuda, Yoshio; and Yamaguchi, Yoshiharu, to Yoshida Kogyo Kabushiki Kaisha. Method for producing a sliding clasp fastener. 3,848,556, 11-19-74, Cl. 112-265.000.
Terada, Haruyoshi: *See—*
Matsushima, Yasunobu; Tanaka, Shigeo; and Terada, Haruyoshi, 3,795,549.
Terada, Hideto: *See—*
Hijikata, Itsuo; Kasazaki, Masayoshi; Terada, Hideto; and Inoue, Takao, 3,832,117.
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Terada, Koki: *See—*
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Terada, Masaaki, to Olympus Optical Co., Ltd. Oblique view type endoscope. 3,835,841, 9-17-74, Cl. 128-5.000.
Terada, Masaki: *See—*
Tanaka, Tatsuro; Terada, Masaki; Takatsu, Mitsumune; and Otani, Shohei, 3,827,939.
Terada, Toshimichi, to Hitachi, Ltd. Device for gaining random access to video signal information for use in video tape recorders. 3,789,138, 1-29-74, Cl. 178-6.60a.
Terada, Yasuyuki: *See—*
Abe, Wataru; Terada, Yasuyuki; and Sugafuji, Akira, 3,821,111.
Abe, Wataru; Muto, Akio; and Terada, Yasuyuki, 3,836,466.
Terada, Yoshiaki: *See—*
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Teradyne, Inc.: *See—*
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Terai, Kenji: *See—*
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Kono, Hisashi; Terai, Kenji; Niwa, Takazumi; Kitajima, Masahiko; Sawada, Morihiko; Ninomiya, Kohei; and Nakai, Shigeyuki, 3,848,016.
Terai, Kiyoshi; and Masumoto, Isao, to Kawasaki Jukogyo Kabushiki Kaisha. Process of welding a high tension steel. 3,836,748, 9-17-74, Cl. 219-137.000.
Terai, Shiro; Suzuki, Toshio; Hasegawa, Yoshihumi; Sekiya, Hitoshi; Matuo, Hiroto; and Kimata, Shizuo, to Toa Gosei Chemical Industry Co., Ltd., Sumitomo Light Metal Industries, Ltd. and Dainichiseika Color & Chemicals Mfg. Co. Ltd. Process for electrocoatng aluminum articles. 3,785,946, 1-15-74, Cl. 204-181.000.
Teraishi, Katsuhito: *See—*
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Terajima, Yasuhiko: *See—*
Aoki, Masaharu; Odajima, Hiromichi; Segawa, Michi; Ueda, Ken; Fukase, Yasushi; Terajima, Yasuhiko; Yumoto, Hidekazu; and Mizobe, Takahiko, 3,818,185.
Terajima, Yasuhiko; Okada, Ryuzo; and Horie, Kiyoshi, to Fuji Xerox Co., Ltd. Light source for copying machine. 3,841,752, 10-15-74, Cl. 355-4.000.
Terakawa, Kazuo: *See—*
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Teramachi, Hiroshi. Endless sliding ball spline shaft bearing. 3,808,839, 5-7-74, Cl. 64-23.700.
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Noma, Tetsuo; Hayakawa, Koji; Nagao, Osamu; Okano, Ichizo; Teramoto, Ryuzo; Kurihara, Tomomichi; Nakano, Kenji; and Okamoto, Tomiyasu, 3,826,399.
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Teranishi, Akihiko, to Kabushiki Kaisha Teranishi Denki Seisakusho. Massaging vibrator. 3,837,335, 9-24-74, Cl. 128-52.000.
Teranishi, Masayuki: *See—*
Fujimoto, Yasuo; Tatsukawa, Keizo; Teranishi, Masayuki; and Koiwa, Yoichi, 3,822,281.
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Teranishi, Takeo, to Kabushiki Kaisha Tadapura. Arranging shelf. 3,854,783, 12-17-74, Cl. 312-108.000.
Teranishi, Yuichi; and Hatsukano, Yoshikazu, to Hitachi, Ltd. Pulse generating circuit. 3,818,249, 6-18-74, Cl. 307-268.000.
Terano, Masateru: *See—*
Kishida, Takashi; and Terano, Masateru, 3,835,632.
Terao, Motoyasu, to Hitachi, Ltd. Optical memory device. 3,801,966, 4-2-74, Cl. 340-173.0lm.
Terao, Yoshikazu; and Ura, Junichi, to Victor Company of Japan, Ltd. Two stage tape extraction system having single driving power source. 3,825,944, 7-23-74, Cl. 360-85.000.
Teraoka, Fuminori: *See—*
Kaneko, Yuichiro; Teraoka, Fuminori; Kubota, Tatsushi; and Nishikawa, Takehiko, 3,831,702.
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Teraoka, Takeharu. System for prevention of errors in scale measurement due to temperature variations. 3,850,257, 11-26-74, Cl. 177-226.000.
Terasaki, Katsuhisa. Cigarette holder with tar collecting means. 3,854,488, 12-17-74, Cl. 131-210.000.
Terasaki, Takeshi: *See—*
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Terashima, Isamu: *See—*
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Terashima, Isamu; and Otubo, Osamu, to Hitachi, Ltd. Electrophotographic copying apparatus. 3,838,920, 10-1-74, Cl. 355-4.000.
Terashima, Toshikatsu: *See—*
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Terashima, Yoshimi: *See—*
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Terayama, Fusaji, to Morita Fire Pump Mfg. Co., Ltd. High altitude breaking apparatus for fire fighting. 3,820,606, 6-28-74, Cl. 169-2.500.
Terayama, Mutsuo; and Yamamoto, Kenji, to Yamamoto Kagaku Gosei Kabushiki Kaisha. Pressure sensitive copy paper employing dibenzylamino fluoran compounds. 3,824,119, 7-16-74, Cl. 117-36.200.
Terayama, Mutsuo; and Yamamoto, Kenji, to Yamamoto Kagaku Gosei Kabushiki Kaisha. 7 Piperazinofluorans. 3,825,544, 7-23-74, Cl. 260-268.0pc.
Terayama, Mutsuo; and Yamamoto, Kenji, to Yamamoto Kagaku Gosei Kabushiki Kaisha. Dibenzylamino fluoran compounds. 3,839,361, 10-1-74, Cl. 260-335.000.
Terayama, Mutsuo; and Yamamoto, Kenji, to Yamamoto Kagaku Gosei Kabushiki Kaisha. Pressure sensitive copying paper. 3,844,817, 10-29-74, Cl. 117-36.200.
Terazawa, Takayuki: *See—*
Kishikawa, Hiroshi; Katsuki, Hiroshi; and Terazawa, Takayuki, 3,853,808.
Terazawa, Yasuto, to Toyo Kogyo Co. Ltd. Rotor housing structure for rotary piston engine. 3,851,627, 12-3-74, Cl. 123-8.090.
Terbay, Joseph J.; and Taylor, Richard P., to National Cash Register Company, The. Programmable platen compression rolls. 3,812,946, 5-28-74, Cl. 197-129.000.
Terbrack, William H.: *See—*
Labarber, James P.; Shade, Ross A.; and Terbrack, William H., 3,828,279.
Terbrack, William H., to Gardner-Denver Company. Rate measurement circuit. 3,842,347, 10-15-74, Cl. 324-78.00d.
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Terenzoni, Amerigo. Planar wooden body adapted to shrink about its circumference. 3,853,679, 12-10-74, Cl. 161-56.000.
Terezakis, Emanuel G.: *See—*
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Terho, Matti; and Tiitto, Reijo. Carrier for containers. 3,794,196, 2-26-74, Cl. 214-390.000.
Terhune, Hugh D., to Goodyear Tire & Rubber Company, The, mesne. Power transmission belt and method of making. 3,818,741, 6-25-74, Cl. 74-23.300.
Terhune, Ralph D.: *See—*
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Terlecky, Boris S.; and Grob, Leonardus F. A., to ACF Industries, Incorporated. Container securing means for railway flat cars. 3,827,375, 8-6-74, Cl. 105-366.00d.
Terlop, Robert R.: *See—*
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Termin, Erich; Lenz, Arnold; and Bleh, Otto, to Dynamit Nobel Aktiengeselischaft. Porous silicic acid and its production. 3,850,971, 11-26-74, Cl. 260-448.80r.
Termohlen, David E.; and Irvine, William G. Method of erecting a multi-level building of curtain wall construction. 3,822,522, 7-9-74, Cl. 52-745.000.
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Terracol, Claude, to Merlin Gerin, Societe Anonyme. Automatic tripping electro-magnetic contactor. 3,794,945, 2-26-74, Cl. 335-188.000.
Terracol, Claude, to Merlin Gerin, Societe Anonyme. Electromagnetic repulsion device actuating the movable contact member of a circuit interrupter. 3,824,508, 7-16-74, Cl. 335-16.000.
Terraillon, Paul. Balance. 3,826,320, 7-30-74, Cl. 177-170.000.
Terral, Ben D.: *See—*
Tausch, Gilbert H.; and Terral, Ben D., 3,807,499.
Terral, Ben D.; and McGowen, Harold E., Jr., to Camco, Incorporated. Kickover tool. 3,788,397, 1-29-74, Cl. 166-117.500.
Terral, Ben D.; and Dietz, William H., to Camco, Incorporated. Apparatus for installing or removing a flow control device from a well tubing. 3,807,498, 4-30-74, Cl. 166-214.000.
Terral, Ben D., to Camco, Incorporated. Latch for retrievable flow control devices. 3,827,493, 8-6-74, Cl. 166-215.000.
Terrazas, Ronaldo M.: *See—*
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Terrazas, Ronaldo M.; and Washburn, Stanley, said Washburn, Stanley, assors. to Terrazas, Ronaldo M. Convertible graphic press. 3,842,738, 10-22-74, Cl. 101-146.000.
Terrel, Gordon R.; Hause, Robert T.; Hancox, Alex J.; and McCulley, Fredrick J., to Lau Products, Ltd. Combined grease trap and airfilter for range hoods. 3,854,912, 12-17-74, Cl. 55-479.000.
Terrell, James L.; and Curry, Jerome. Tension (bobby) pin. 3,837,350, 9-24-74, Cl. 132-48.00r.
Terrell, Melvin Leon, to International Telephone and Telegraph Corporation. Vent valve. 3,812,879, 5-28-74, Cl. 137-512.150.
Terrell, Ollney B., to United States of America, Air Force. Method of connecting substantial similar metal parts. 3,831,264, 8-27-74, Cl. 29-517.000.
Terrell, Ross C., to Airco, Inc. Inhalant anesthetic composition and method. 3,784,706, 1-8-74, Cl. 424-342.000.
Terrell, Ross C., to Airco, Inc. 1-Chloro-1-hydro-perfluorobutyl difluoromethyl ether. 3,794,688, 2-26-74, Cl. 260-614.00f.
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Terry, C. Edward, to Textile Rubber and Chemical Company, Inc. Method of applying a secondary backing material to previously tufted primary backing material. 3,806,385, 4-23-74, Cl. 156-72.000.
Terry, C. Edward, to Textile Rubber and Chemical Company, Inc. Method of promoting separation between a heated curing surface and a backing material. 3,834,961, 9-10-74, Cl. 156-72.000.
Terry, Cameron D. Tile and tile roofing. 3,855,753, 12-24-74, Cl. 52-520.000.
Terry, Claude E., to Southern Mills, Inc. Method of preparing a non-woven fabric. 3,783,479, 1-8-74, Cl. 28-72.02r.
Terry Controls Corporation: *See—*
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Terry, Frank Duncan, to Hewlett-Packard Company. Logical synchronization of test instruments. 3,843,893, 10-22-74, Cl. 307-87.000.
Terry, Lewis E., to Motorola, Inc. Method for improving glass adherence to gold film. 3,832,230, 8-27-74, Cl. 117-217.000.
Terry, Louis E.; and Wilson, Richard W., to Motorola, Inc. Method of forming metallization backing for silicon wafer. 3,785,892, 1-15-74, Cl. 156-3.000.
Terry, Melvin D. Air film pallet. 3,831,708, 8-27-74, Cl. 180-119.000.
Terry, Nick H.: *See—*
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Terry, Raymond M. Smoke generator. 3,788,301, 1-29-74, Cl. 126-59.500.
Terry, Reese S., Jr.; and Davies, Gomer L., to Cordis Corporation. Implantable cardiac pacer having adjustable operating parameters. 3,805,796, 4-23-74, Cl. 128-419.00p.
Terry, Roy P., Jr.; Teed, Richard K.; and Shirer, S. Ross; deceased (by Shirer, Pauline H.; executrix), to Riegel Textile Corporation. Weather strip. 3,836,421; 9-17-74, Cl. 161-63.000.
Terry, Ruel C.; and Sutherland, John A., to Allied Chemical Corporation. Hydrocarbon sweep process. 3,815,678, 6-11-74, Cl. 166-272.000.
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Terry, Rupert Douglas, to Johns-Manville Corporation. Method and apparatus for producing fibrous tubular articles. 3,783,069, 1-1-74, Cl. 156-184.000.
Terry, Rupert Douglas, to Johns-Manville Corporation. Jacket for cylindrical article and method and apparatus for forming said jacket. 3,786,226, 1-15-74, Cl. 219-125.00r.
Terry, Rupert Douglas, to Johns-Manville Corporation. Jacket for cylindrical articles. 3,800,834, 4-2-74, Cl. 138-151.000.
Terry, Rupert Douglas, to Johns-Manville Corporation. Method and apparatus for compressing material and enclosing the same in a plastic film. 3,837,138, 9-24-74, Cl. 53-24.000.
Terry, Stanley M., to Maremont Corporation. Dual battery electrical system for internal combustion engine. 3,816,805, 6-11-74, Cl. 320-15.000.
Terry, Stanley M., to Maremont Corporation. Arc welder and combined auxiliary power unit and method of arc welding. 3,829,652, 8-13-74, Cl. 219-133.000.
Terry, Stanley M.; deceased (by Third National Bank of Springfield, The; executor); and Gray, Alden J., to Maremont Corporation. Rotary electrical switch with bridging contactor. 3,856,999, 12-24-74, Cl. 200-11.00k.
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Terryn, Raymond Martin Florent, to International Standard Electric Corporation. Signal recognition system. 3,811,034, 5-14-74, Cl. 235-61.11r.
Tersch, James R. Suntanning tub. 3,835,482, 9-17-74, Cl. 4-177.000.
Tersch, Richard W.: *See—*
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Terwilliger, James P.; Gingello, Anthony D.; and Tinney, John R., to Eastman Kodak Company. Apparatus and process for combining chemically compatible solutions. 3,827,888, 8-6-74, Cl. 96-107.000.
Terzian, Reuben; McKay, Robert S.; and Glass, Marvin I. Toy motorcycle adjustable tethered to a pylon. 3,822,880, 7-9-74, Cl. 272-31.00r.
Terzian, Rouben T., to Glass, Marvin, & Associates. Toy vehicle and associated conditioning means therefor. 3,798,832, 3-26-74, Cl. 46-206.000.
Terzian, Rouben T.; Glass, Marvin I.; and McKay, Robert S., to Glass, Marvin, & Associates. Hair styling figure and accessories. 3,808,736, 5-7-74, Cl. 46-135.000.
Terzian, Rouben T.; and Glass, Marvin I., to Glass, Marvin, & Associates. Doll with coordinated head and torso movement. 3,834,071, 9-10-74, Cl. 46-120.000.
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Terzuoli, Dominick. Apparatus for producing paper bags. 3,827,396, 8-6-74, Cl. 118-44.000.
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Tesaki, Kiyoshi; and Hiraoka, Michio, to Nippon Soda Co., Ltd. Process for preparation of oxybenzoyl polymer. 3,790,528, 2-5-74, Cl. 260-47.00c.
Tesch, Gunter Horst: *See—*
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Teschner, Allen R. Swimming pool and method of making the same. 3,832,814, 9-3-74, Cl. 52-169.000.
Teschner, Robert W., to Gulton Industries, Inc. Toggle and latch mechanism for switches. 3,806,687, 4-23-74, Cl. 200-321.000.
Tesco Chemicals, Inc.: *See—*
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Thaler, Sherwood S., to American Optical Corporation. Externally-controlled implantable cardiac-pacer capture margin testing apparatus and method. 3,837,348, 9-24-74, Cl. 128-419.00p.
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Tharaldsen, Nils Fr. Device for the lubrication of tooth flanks of gear wheels. 3,822,607, 7-9-74, Cl. 74-468.000.
Tharman, Paul A., to Briggs & Stratton Corporation. Method of mass producing alternator stators for small engines. 3,824,682, 7-23-74, Cl. 29-596.000.
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Thatcher, Arthur K. Method and apparatus for editing and mounting tape containing recorded information. 3,817,137, 6-18-74, Cl. 83-444.000.
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Thexton, Timothy John: *See—*
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Thibault, Claude; and Mathieu, Pierre, to Societe Nationale des Petroles d'Aquitaine. Electrolytic fabrication of sulfoxides. 3,808,112, 4-30-74, Cl. 204-79.000.
Thibault, Jacques P. Electrical heating envelopes. 3,829,655, 8-13-74, Cl. 219-535.000.
Thibault, Jean-Jacques; and Boissin, Jean-Claude, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Low-temperature pumping device. 3,797,264, 3-19-74, Cl. 62-55.500.
Thibert, Jean-Jacques: *See—*
Carriere, Pierre P.; Leynaert, Jacky R.; Meauze, Georges D.; and Thibert, Jean-Jacques, 3,846,038.
Thibieroz, Andre: *See—*
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Thibodeau, Arthur Wesley; deceased (Thibodeau, Helen Mackay; executrix), said Thibodeau assor. to Homac Mfg., Co. Workpiece forming apparatus. 3,805,581, 4-23-74, Cl. 72-407.000.
Thibodeau, Helen Mackay: *See—*
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Thibodeau, Rheal A.: *See—*
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Thibodeau, Rose Agathe Cote: *See—*
Giguere, Andre N.; and Thibodeau, Rheal A., 3,848,110.
Thiebault, Robert, to Prefecture de Police. Wheel clamp. 3,828,590, 8-13-74, Cl. 70-19.000.
Thiel, Alfons Wilhelm. Thermal forming apparatus. 3,836,309, 9-17-74, Cl. 425-383.000.
Thiel, Anton: *See—*
Gilles, Martin; and Thiel, Anton, 3,793,118.
Thiel, Charles J.: *See—*
Baker, Ronald Lee, 3,785,411.
Thiel, Charles J.; and Michaels, Louis J. Amalgam dispenser and packer. 3,816,922, 6-18-74, Cl. 32-51.000.
Thiel, Herbert Willy: *See—*
Kleinhaut, Samuel; and Thiel, Herbert Willy, 3,818,811.
Thiel, John A., to Bell & Howell Company. Paper edge transport system. 3,784,189, 1-8-74, Cl. 271-45.000.
Thiel, John A., to Bell & Howell Company. Convertible power stacker. 3,784,191, 1-8-74, Cl. 271-80.000.
Thiel, Max: *See—*
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Thiel, Peter H.; and Santilli, James N., to Westinghouse Electric Corporation. Indicating fuse having improved deionizing muffler construction. 3,783,342, 1-1-74, Cl. 317-103.000.
Thiel, Ralph. Automatic separable fastener. 3,855,674, 12-24-74, Cl. 24-230.00a.
Thiel, Rudolf; and Lauterwasser, Armin, to ITT Industries, Inc. Brake booster. 3,826,175, 7-30-74, Cl. 91-369.00b.
Thiele, Berthold; and Tscherter, Hans, to Sandoz Ltd. Sesquicillin. 3,842,092, 10-15-74, Cl. 260-343.500.
Thiele, Geraldine H. Treatment of non-surgical osteolysis of bone. 3,805,776, 4-23-74, Cl. 128-92.00g.
Thiele, Gary A.: *See—*
Walter, Carlton H.; Munk, Benedikt Aa.; and Thiele, Gary A., 3,823,403.
Thiele, Geraldine H. Method of fusing bones. 3,828,772, 8-13-74, Cl. 128-92.00g.
Thiele, Hans-Hermann: *See—*
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Thiele, Karl G., to Stamco, Inc. Disc brake apparatus. 3,802,539, 4-9-74, Cl. 188-72.900.
Thiele, Kurt: *See—*
Steinmetz, Gunter; and Thiele, Kurt, 3,809,695.
Thiele, Kurt; and Von Bebenburg, Walter E., to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 2-Benzyl aminopyridine having at least three substituents in the benzyl group. 3,787,429, 1-22-74, Cl. 260-295.50c.
Thiele, Kurt; and Posselt, Klaus, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. N-Hydroxyarylaliphatic-aminopropiophenones and the salts thereof. 3,829,469, 8-13-74, Cl. 260-510.50c.
Thielemann, Rudolf H., Jr. Multipurpose ski tool. 3,816,863, 6-18-74, Cl. 7-1.00.
Thielen, James E., to Minnesota Mining and Manufacturing Company. Shower feed assembly. 3,793,665, 2-26-74, Cl. 15-180.000.
Thielen, James E., to Minnesota Mining and Manufacturing Company. Positional universal joint. 3,850,533, 11-26-74, Cl. 403-58.000.
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Thiemann, Norbert. Foldable artificial Christmas tree. 3,846,213, 11-5-74, Cl. 161-17.000.
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Thien, Gerhard; Skatsche, Othmar; and Fachbach, Heinz, to List, Hans. Internal combustion engine in a sound-proof casing. 3,782,496, 1-1-74, Cl. 181-33.00k.

Thien, Gerhard; Fachbach, Heinz; and Skatsche, Othmar, to List, Hans. Internal combustion engine with sound-proofing casing. 3,796,280, 3-12-74, Cl. 181-33.00h.

Thiene, Carl G.; deceased (by Thiene, Carol M., executrix); and Smith, Henry, to Reynolds Printasign Company. Card printing machine. 3,804,014, 4-16-74, Cl. 101-269.000.

Thiene, Carol M.: *See—*
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Thiene, Hans: *See—*
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Thier, Herbert D.: *See—*
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Thierfelder, William George, to Bell Telephone Laboratories, Incorporated. Microelectronic circuit package. 3,786,317, 1-15-74, Cl. 317-234.00r.

Thiermann, William E. Snap-on attachment for utility service trailers and the like. 3,813,735, 6-4-74, Cl. 24-201.0sl.

Thiers, Michel: *See—*
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Thiery, Jean: *See—*
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Thiery, Jean; Reynard, Remi; and Willm, Yves, to Institut Francais du Petrole, des Carburants et Lubrifiants. Device for automatically positioning the windings formed by a flexible elongated member stored in an annular basket rotatable about a vertical axi. 3,837,592, 9-24-74, Cl. 242-83.000.

Thies, Curt: *See—*
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Thies, Peter Willibrord, to Kali-Chemie Aktiengesellschaft. Dioxatricyclodecanes. 3,812,154, 5-21-74, Cl. 260-340.300.

Thiesen, Josef Jakob. Cutting device for large pieces of soft foodstuffs. 3,820,194, 6-28-74, Cl. 17-32.000.

Thiesler, Ingo; and Hackbarth, Wilhelm, to Polysius AG. Seal for a conveyor axle of a traveling grate. 3,847,403, 11-12-74, Cl. 277-57.000.

Thiffault, Marcel: *See—*
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Thigpen, Arnold B., Jr., to Texaco Inc. Permeability improvement technique. 3,796,264, 3-12-74, Cl. 166-302.000.

Thigpen, Arnold B., Jr.; and Tate, Jack F., to Texaco Inc. Method of treating subterranean formations to improve permeability. 3,807,500, 4-30-74, Cl. 166-303.000.

Thigpen, Arnold B., Jr., to Texaco Inc. Method of treating subterranean formations to improve permeability. 3,822,749, 7-9-74, Cl. 166-303.000.

Thigpen, Ben B., to Western Geophysical Company of America. Towable seismic detector conveyance. 3,825,886, 7-23-74, Cl. 340-3.00t.

Thigpen, Hubert H.: *See—*
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Thigpen, James L., to CRC-Crose International, Inc. Earth working apparatus. 3,831,684, 8-27-74, Cl. 172-248.000.

Thilenius, Thilo: *See—*
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Thill, Bruce P., to Dow Chemical Company, The. Process for preparing N-benzylically substituted aziridines. 3,855,217, 12-17-74, Cl. 260-239.00e.

Thillardon, Georges: *See—*
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Thillays, Jacques Claude, to U.S. Philips Corporation. Photocoupling device having the transmitter and receiver mounted on opposing edges of aligned lugs. 3,845,318, 10-29-74, Cl. 250-551.000.

Thilo, Peer: *See—*
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Thimm Wellpappen K. G., Firma: *See—*
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Thimonnier & Cie: *See—*
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Dewitt, Ivan L.; and Pacanowsky, Eugene, 3,839,105.
Elmer, Richard L.; and Peterson, Elizabeth A., 3,799,798.
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Hendrickson, Roger R.; Price, Raymond M.; and Reed, Russell, Jr., 3,806,461.
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Thirion, Pierre: *See—*
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Thiry, Lise: *See—*
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Thistlethwaite, Alan; and Weissman, Arthur. Adjustable structures that frame or support pictures or panels of various dimensions. 3,835,562, 9-17-74, Cl. 40-155.000.

Thle, Josef, to Ungerer, Irma, Frau. Machine for wrap forming metal strip as it is uncoiled. 3,834,204, 9-10-74, Cl. 72-183.000.

Thobe, Josef: *See—*
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Thoburn, Allan: *See—*
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Thoden, John Vineland, to Kontes Glass Company. Spotter for use in thin layer chromatography and method of forming drops therewith. 3,843,053, 10-22-74, Cl. 239-11.000.

Thodos, George, to Thomas, James E. Lawn edging device. 3,841,022, 10-15-74, Cl. 47-33.000.

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Thoenen, Earl R., to Polaroid Corporation. Method for fabricating a fluid spreader. 3,795,212, 3-5-74, Cl. 113-116.00r.

Tholander, Lars Helge; and Thostrup, Harry, to Elektriska Svetsningsaktiebolaget. Welding guns. 3,811,611, 5-21-74, Cl. 226-178.000.

Thom, Dieter-Helmut: *See—*
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Thom, Karl F., to Minnesota Mining and Manufacturing Company. Rare earth fluoroaliphatic sulfonates. 3,796,738, 3-12-74, Cl. 260-429.00r.

Thom, Karl Friedrich: *See—*
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Thom, Reinhard; and Schulz, Jurgen, to Licentia Patent-Verwaltungs-G.m.b.H. Particle volume and cross-section measurement. 3,793,587, 2-19-74, Cl. 324-71.0cp.

Thom, Reinhard, to Telefunken Patentverwertungsgesellschaft m.b.H. Particle analysis method and apparatus wherein liquid containing particles is sucked into a constructed flow path. 3,810,010, 5-7-74, Cl. 324-71.0cp.

Thom, Robert A. Picture framing mat and edge molding. 3,789,529, 2-5-74, Cl. 40-158.00r.

Thom, Wenzel W., to Architectural Art Mfg., Inc. Twin post railing system. 3,804,374, 4-16-74, Cl. 256-59.000.

Thoma, Friedrich; and Krusche, Peter, to Krupp, Fried., Gesellschaft mit beschrankter Haftung. Device for mechanically lifting cops on ring spinning and twisting machines. 3,822,540, 7-9-74, Cl. 57-52.000.

Thoma, Jean Ulrich, 1/2 to Galdabini, Renzo. Rotary hydraulic machines. 3,796,137, 3-12-74, Cl. 91-489.000.

Thoma, Josef, to Hellige, Fritz, & Co., G.m.b.H. Automatic apparatus for counting suspended particles in liquids. 3,800,220, 3-26-74, Cl. 324-71.0cp.

Thoma, Jozef A.: *See—*
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Thoma, Jozef A.; Deumens, Johannes J. M.; and Verheijen, Egidius J. M., to Stamicarbon B.V. Preparation of dihydrocoumarin and of alkyl derivatives thereof. 3,850,963, 11-26-74, Cl. 260-343.20r.

Thoma, Nandor G.: *See—*
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Thoma, Otto: *See—*
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Thoma, Paul E., to Johnson Service Company. Capacitance humidity sensing element. 3,802,268, 4-9-74, Cl. 73-336.500.

Thoma, Paul E.; and Atkinson, Louis D., to Johnson Service Company. Bi-meterial condition sensors. 3,850,038, 11-26-74, Cl. 73-363.500.

Thoma, Wilhelm: *See—*
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Thomae, Frederick W., Jr.; and Geating, John A., to General Electric Company. Stain coated slides for differentially staining blood. 3,796,594, 3-12-74, Cl. 117-124.00d.

Thomaides, Lazarus. Catalytic exhaust purifier for diesel engines. 3,824,790, 7-23-74, Cl. 60-299.000.

Thoman, Charles J., to Seco Manufacturing, Inc. Hose rack assembly. 3,835,879, 9-17-74, Cl. 137-355.180.

Thomann, Carl S. Christmas tree assembly. 3,857,748, 12-31-74, Cl. 161-24.000.

Thomann, Helmut: *See—*
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Thomann, Helmut, to Siemens Aktiengesellschaft. Process and apparatus for the production of propagating electric alternating fields. 3,821,667, 6-28-74, Cl. 333-30.00r.

Thomas & Betts Corporation: *See—*
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Thomas, Alan; and Heath, Ronald Alfred, to Lucas, Joseph, (Industries) Limited. Fluid pressure transducers. 3,826,143, 7-30-74, Cl. 73-398.00c.

Thomas, Albert Richard: *See—*
Bleinberger, Warren Edward; Franke, Edward Louis, Jr.; Galloway, John Vernon; Richardson, George William; Thomas, Albert Richard; and Thomas, Palmer Doyle, 3,826,690.

Thomas, Alfred William, to Deutsche Bendix Austustungs GmbH. Power boost device. 3,818,705, 6-25-74, Cl. 60-548.000.

Thomas, Alfred William, to Deutsche Bendix Aurustungs GmbH. Brake booster. 3,831,491, 8-27-74, Cl. 91-391.000.

Thomas, Andre: *See—*
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Thomas, Arwyn Theophilus: *See—*
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Thomas, Brantley D., Jr.: *See—*
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Thomas, Brian Martin: *See—*
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Thomas Broadbert & Sons Limited: *See—*
McDermott, Derrick, 3,797,820.

Thomas, Carlton E., to KMS Industries, Inc. Coherent optical radar processor. 3,787,842, 1-22-74, Cl. 343-5.0pc.

Thomas, Carson. Device for latching or locking two objects together. 3,852,853, 12-10-74, Cl. 24-230.00a.

Thomas, Charles C., to Mississippi State University Development Foundation, Inc. Thread tensioning device. 3,856,233, 12-24-74, Cl. 242-156.000.

Thomas, Charles Edgar, Jr., to United States of America, Air Force, mesne. Enhancement and detection of small static object in scene by use of programmed motion of image of scene. 3,786,186, 1-15-74, Cl. 178-7.890.

Thomas, Chester A., to Babson Bros. Co. Milker. 3,818,866, 6-25-74, Cl. 119-14.100.

Thomas Conveyor Company: *See—*
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Thomas, Dallas C.: *See—*
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Thomas, Daniel C.; and Sorkin, Jack L., to Richardson Graphics Company. Lithographic plate and photoresist having two photosensitive layers. 3,808,004, 4-30-74, Cl. 96-68.000.

Thomas, Daniel Walter, to American Cyanamid Company. 4,6-Dihydroxy-N,N' bis(3-oxo-1-isoindolinyl-idene) isophthalamide and substitution products. 3,787,438, 1-22-74, Cl. 260-325.000.

Thomas, David A.: *See—*
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Thomas, David Ellis, to Sagamo Weston Limited. Electric switching devices. 3,827,009, 7-30-74, Cl. 337-77.000.

Thomas, David Everitt, to Monsanto Limited. Suspension polymerization process. 3,835,073, 9-10-74, Cl. 260-2.50b.

Thomas, David F.: *See—*
Berglund, Harold A.; and Thomas, David F., 3,822,964.

Thomas, David Kenneth: *See—*
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Thomas, David Meirion: *See—*
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Thomas de la Rue International Limited: *See—*
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Thomas, Dean L.: *See—*
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Thomas, Donald Ralph, to International Business Machines Corporation. Alignment determining system. 3,808,527, 4-30-74, Cl. 324-65.00r.

Thomas, Douglas W., to American Home Products Corporation. Overcap safety mechanism for an aerosol container. 3,788,523, 1-29-74, Cl. 222-153.000.

Thomas, Edward E. Means for operating garment slide fastener. 3,817,433, 6-18-74, Cl. 223-111.000.

Thomas, Edward E., to Outboard Marine Corporation. Engine rotational direction control. 3,850,155, 11-26-74, Cl. 123-198.00r.

Thomas, Edward R.: *See—*
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Thomas, Edward Raymond: *See—*
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Thomas, Edward W.; Scherzer, Walter Oscar; and Sicard, Fernand, to Intertechnique S.A. Sample changing and light sealing device for liquid scintillation spectrometer. 3,809,897, 5-7-74, Cl. 250-288.000.

Thomas, Ernest Derek Reginald, to Hawker Siddeley Aviation Limited. Fatigue sensors. 3,782,178, 1-1-74, Cl. 73-88.50r.

Thomas, Eugene P.; Cimildora, Henry F.; and Morin, James A., to CGR Medical Corporation. Cassette load and eject mechanism for spot-film apparatus. 3,832,559, 8-27-74, Cl. 250-468.000.

Thomas, Evelyn: *See—*
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Thomas, Frank: *See—*
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Thomas, Frank B., III: *See—*
Stone, James N.; Wing, James H.; and Thomas, Frank B., III, 3,795,527.

Thomas, Frank S. Semi-automatic firearm. 3,857,325, 12-31-74, Cl. 89-147.000.

Thomas, George L.; and Reitz, Leonard M., to General Electric Company. Lead silicate high voltage vacuum tube glass envelope. 3,854,964, 12-17-74, Cl. 106-53.000.

Thomas, Georges: *See—*
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Thomas, Gertrude L. Processing apparatus with precisely controlled agitation. 3,799,179, 3-26-74, Cl. 134-95.000.

Thomas, Glenn R.: *See—*
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Mrenna, Stephen A.; and Thomas, Glenn R., 3,840,833.
Mrenna, Stephen A.; and Thomas, Glenn R., 3,849,747.

Thomas, Harold K. Process for producing elemental copper by reacting molten cuprous chloride with zinc. 3,853,543, 12-10-74, Cl. 75-72.000.

Thomas, Howard M.; Olszowka, Robert F.; and McNerney, Roger J., to Wurlitzer Company, The. Electronic musical instrument mechanical construction. 3,797,357, 3-19-74, Cl. 84-423.000.

Thomas, Howard M.; and Olszowka, Robert F., to Wurlitzer Company, The. Key assembly. 3,855,894, 12-24-74, Cl. 84-423.000.

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Attridge, Charles James; Morris, Arthur; and Thomas, Hugh, 3,840,612.
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Thomas, Ian A., to Flextrac Nodwell Ltd. Gang plate fastening assembly and endless track formed therewith. 3,829,174, 8-13-74, Cl. 305-35.0eb.

Thomas, Ian M.: *See—*
Levene, Leon; and Thomas, Ian M., 3,853,673.

Thomas, Ian M., to Owens-Illinois, Inc. Preparation of ultra-pure compounds corresponding to the formula CAA1204 and MGAL2C4. 3,786,137, 1-15-74, Cl. 423-600.000.

Thomas, Ian M., to Owens-Illinois, Inc. Method for producing glass ceramics. 3,791,808, 2-12-74, Cl. 65-30.000.

Thomas, Ian M., to Owens-Illinois, Inc. Method for producing glass precursor compositions and glass compositions therefrom. 3,799,754, 3-26-74, Cl. 65-134.000.

Thomas, Ieuan; and Traynor, James Rodney, to Imperial Chemical Industries Limited. Process for the preparation of polyamides with alkali metal dihydrogen orthophosphate as catalyst. 3,816,369, 6-11-74, Cl. 260-78.00r.

Thomas Industrial Gases, Inc.: *See—*
Seeman, Thomas A., 3,783,013.

Thomas Industries, Inc.: *See—*
Kemmerer, Wayne J.; Dicola, Vincent C.; and Raddatz, Gene R., 3,801,951.
Porter, David H.; and Bray, Douglas R., 3,811,022.

Thomas, Jacob E. Playground assembly set. 3,855,748, 12-24-74, Cl. 52-585.000.

Thomas, James: *See—*
Reinhardt, Bernd M.; and Thomas, James, 3,807,106.

Thomas, James Allan: *See—*
Thomas, Wesley L.; and Thomas, James Allan, 3,819,924.

Thomas, James E.: *See—*
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Thomas, James Ernest, to Pricemaster Limited. Labelling machine. 3,793,114, 2-19-74, Cl. 156-361.000.

Thomas, James Kellett, to American Cyanamid Company. Spinning self-crimping composite fibers. 3,798,296, 3-19-74, Cl. 264-171.000.

Thomas, James L., to FMC Corporation. Diallyl phthalate compositions containing diace tone acrylamide. 3,810,865, 5-14-74, Cl. 260-42.180.

Thomas, James L. Digital tone signal generator. 3,820,028, 6-25-74, Cl. 328-14.000.

Thomas, James Larue; and Beacham, Harry Hoyt, to FMC Corporation. Flame retardant diallylic phthalate molding compounds. 3,826,777, 7-30-74, Cl. 260-42.180.

Thomas, James R.; North, George E.; and Brooks, Alden W., to Dayco Corporation. Method of making endless power transmission belt having a plurality of longitudinally extending ribs. 3,839,116, 10-1-74, Cl. 156-138.000.

Thomas, Janine M.: *See—*
Fauran, Claude P.; Turin, Michel J.; Raynaud, Guy M.; and Thomas, Janine M., 3,796,703.

Thomas, Jerry D.; and Griffith, Cecil B., to Republic Steel Corporation. Method of adding lead to steel with lead oxide slag. 3,820,982, 6-28-74, Cl. 75-129.000.

Thomas, Jerry D.; and Griffith, Cecil B., to Republic Steel Corporation. Method of producing leaded steel. 3,836,359, 9-17-74, Cl. 75-129.000.

Thomas, John D., Sr. Mobile, variable resistance football practice dummy. 3,825,260, 7-23-74, Cl. 273-55.00r.

Thomas, John H.: *See—*
Harris, Norman H.; Thomas, John H.; Isaak, Harlan R.; and Kanz, John W., 3,798,762.

Thomas, John M., to Thomas Technadent Products, Inc. Dental model construction method. 3,838,187, 9-24-74, Cl. 264-17.000.

Thomas, John P.; and Chu, Shih-Lin. Open flow production system and method for recovery of shallow oil reservoirs. 3,842,908, 10-22-74, Cl. 166-268.000.

Thomas, John W.: *See—*
Soderstrom, Melvin A.; and Thomas, John W., 3,791,292.

Thomas, Joseph J.: *See—*
Bennet, Stanford M.; Smith, William; and Thomas, Joseph J., 3,825,001.

Thomas, Keith: *See—*
David, Joseph; Thomas, Keith; and Kishore, Nand, 3,796,595.
David, Joseph; Thomas, Keith; and Kishore, Nand, 3,830,851.

Thomas, Keith N.; and Grange, John. Shrink wrapping system. 3,802,155, 4-9-74, Cl. 53-373.000.

Thomas, Klaus: *See—*
Osi, Walter; Thomas, Klaus; Jerchel, Dietrich; and Appel, Karl-Richard, 3,786,146.
Ost, Walter; Thomas, Klaus; and Jerchel, Dietrich, 3,835,184.
Ost, Walter; Thomas, Klaus; and Jerchel, Dietrich, 3,847,922.
Schroder, Ludwig; Thomas, Klaus; and Goeth, Hanns, 3,829,426.

Thomas, Leo J.; and Tuite, Robert J., to Eastman Kodak Company. Photosensitive elements having improved processing temperature latitude. 3,846,128, 11-5-74, Cl. 96-3.000.

Thomas, Leonard L. Cigarette holder. 3,810,476, 5-14-74, Cl. 131-187.000.

Thomas, Leonard L. Garment hanger. 3,831,826, 8-27-74, Cl. 223-88.000.

Thomas, Lucius Ponder, to RCA Corporation. Leakage detector for determining possible shock hazards to humans. 3,784,903, 1-8-74, Cl. 324-51.000.

Thomas, Lynn Carol. Hair curler construction and case. 3,848,610, 11-19-74, Cl. 132-39.000.

Thomas, Michael D. Programmed pill dispenser. 3,800,940, 4-2-74, Cl. 206-42.000.

Thomas, Michael W.; and Boaz, Virgil L., to Westinghouse Electric Corporation. Power transformer having flux shields surrounding metallic structural members. 3,827,018, 7-30-74, Cl. 336-84.000.

Thomas, Mickey A., to Halliburton Company. Method and apparatus for dispersing tightly baled fibers. 3,839,765, 10-8-74, Cl. 19-80.00r.

Thomas, Morton I. Folding walker. 3,783,886, 1-8-74, Cl. 135-45.00a.

Thomas, Morton I. Commode chair. 3,795,923, 3-12-74, Cl. 4-134.000.

Thomas, Morton I., to Temco Products, Inc. Knock-down commode device. 3,829,908, 8-20-74, Cl. 4-1.000.

Thomas, Morton I. Combination chair and table. 3,841,699, 10-15-74, Cl. 297-174.000.

Thomas, Morton I. Table. 3,842,759, 10-22-74, Cl. 108-161.000.

Thomas, Morton I., to Temco Products, Inc. Bedside commode device. 3,854,773, 12-17-74, Cl. 297-417.000.

Thomas, Moses L.: *See—*
Doss, Richard C.; and Thomas, Moses L., 3,829,526.

Thomas, Norman W.: *See—*
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Thomas, Palmer Doyle: *See—*
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Thomas, Paul E.; and Colla, Jeannine O., to Johnson Service Company. Pressure sensitive capacitance sensing element. 3,814,998, 6-4-74, Cl. 317-246.000.

Thomas, Paul M.: *See—*
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Thomas, Paul P.; and Burnett, Frank, to Winzeler Stamping Company. Gimbally mounted receptacle. 3,840,204, 10-8-74, Cl. 248-311.000.

Thomas, Paul W.: *See—*
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Thomas, Paul W., Jr.: *See—*
Batter, John F., Jr.; Mason, Paul B.; Stella, Joseph A.; Thomas, Paul W., Jr.; and Wright, Joseph H., 3,785,725.
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Thomas, Philippe: *See—*
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Thomas, Philippe; and Meyer, Jacques, to Pechiney-Saint-Gobain. Copolymerizable composition of oligoesters having maleic acid end groups and vinyl monomers. 3,784,586, 1-8-74, Cl. 260-861.000.

Thomas, Ralph H., to Bristol-Myers Company. Container-snap-on closure assembly. 3,848,762, 11-19-74, Cl. 215-224.000.

Thomas, Richard E., to Dick, A. B., Company. Method for making copy sheets with a concealed image and visual development of same. 3,823,022, 7-9-74, Cl. 177-1.700.

Thomas, Richard N.: *See—*
Nathanson, Harvey C.; Thomas, Richard N.; and Guldberg, Jens, 3,814,968.

Thomas, Robert: *See—*
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Thomas, Robert, to Big Three Industries, Inc. Pipe beveling apparatus. 3,813,968, 6-4-74, Cl. 82-4.00c.

Thomas, Robert A.; Sellers, Jerry Wayne; and Murley, Roger Wayne, to Rockwell International Corporation. Power operated sanding machine. 3,849,943, 11-26-74, Cl. 51-170.0mt.

Thomas, Robert E. Extendible vehicle light mount. 3,783,267, 1-1-74, Cl. 240-57.000.

Thomas, Robert J.: *See—*
Tomalia, Donald A.; and Thomas, Robert J., 3,784,508.

Thomas, Robert J., to Dow Chemical Company, The. Polyesters prepared from bisphenols and isopropylidene bis (p-phenyleneoxy) diacetyl chloride. 3,828,006, 8-6-74, Cl. 260-47.00c.

Thomas, Robert J., to Dow Chemical Company, The. High performance polysulfonate resin. 3,845,015, 10-29-74, Cl. 260-49.000.

Thomas, Robert Lee. Umbrella mounting bracket. 3,848,838, 11-19-74, Cl. 248-42.000.

Thomas, Robert N., to Dow Corning Corporation. Siloxane-acrylate copolymers. 3,808,287, 4-30-74, Cl. 260-827.000.

Thomas, Robert W., to United States of America, Air Force. Atmospheric sampling probe for a mass spectrometer. 3,842,266, 10-15-74, Cl. 250-288.000.

Thomas, Roger V., to McNeil Corporation. Crane-type stacker. 3,791,529, 2-12-74, Cl. 212-124.000.

Thomas, Ronald E., to Sperry Rand Corporation. Yaw damper synchro system for aircraft. 3,848,172, 11-12-74, Cl. 318-586.000.

Thomas, Sanford E., Jr., to Dyna-Kool Corporation. Air-conditioning simulation system and method. 3,785,064, 1-15-74, Cl. 35-13.000.

Thomas Technadent Products, Inc.: *See—*
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Thomas, Thomas A.: *See—*
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Thomas, Thomas A., Jr.; and Thomas, Frank. Fishsaving device. 3,841,014, 10-15-74, Cl. 43-43.160.

Thomas, Thomas G., to General Motors Corporation. Multi-piece intake manifold. 3,831,566, 8-27-74, Cl. 123-52.0mv.

Thomas, Wesley L.; and Thomas, James Allan. Lamp. 3,819,924, 6-25-74, Cl. 240-2.0sl.

Thomas, Wilbur E., to General Binding Corporation. Collator. 3,807,723, 4-30-74, Cl. 270-58.000.

Thomas, William B.; and Betts, Robert E., to United States of America, Army. Electroexplosive device. 3,831,523, 8-27-74, Cl. 102-28.00r.

Thomas, William E., Jr., to Du Pont de Nemours, E. I., and Company. Stabilization of iron catalysts. 3,838,070, 9-24-74, Cl. 252-472.000.

Thomas 1970 Trust, The, mesne: *See—*
Wright, Lawrence W.; Tolleson, Leon H.; Abrahamson, Daniel P.; Thomas, Paul M.; and Crile, Eugene E., 3,789,101.

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Buchner, Gerhard Paul; and Thomaschewski, Hubertus Paulus, 3,792,873.

Thomasen, Norman Leonard. Two-way loudspeaker system with tow tandem-connected high-range speakers. 3,814,857, 6-4-74, Cl. 179-1.00d.

Thomasen, Norman Leonard. Low-frequency loud speaker. 3,833,085, 9-3-74, Cl. 181-32.00r.

Thomason, Harry E. Heat, cold and dry storage. 3,812,903, 5-28-74, Cl. 165-3.000.

Thomason, Ian Dowen: *See—*
Dyment, John; Boyne, Leslie; and Thomason, Ian Dowen, 3,808,147.

Thomason, Ivor L. Diver's light apparatus. 3,836,762, 9-17-74, Cl. 240-26.000.

Thomason, Thomas. Magnetic spinner. 3,826,497, 7-30-74, Cl. 273-109.000.

Thomason, Walter A., Jr. Web control apparatus. 3,840,942, 10-15-74, Cl. 19-150.000.

Thomassen & Drijver-Verblifa N.V.: *See—*
Jacquemiuns, Izaak Johannes, 3,782,576.

Thomassen, Steinar, to A/S Norema. Telescopic adjustable vertical post for partion walls. 3,854,264, 12-17-74, Cl. 52-632.000.

Thomasson: *See—*
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Thomasson, Bernard Jean, to Thomasson. Asymmetric bars for use in gymnastics. 3,851,873, 12-3-74, Cl. 272-63.000.

Thomasson, Gene I., to General Electric Company. Heat and light reflective coating on quartz lamp. 3,851,200, 11-26-74, Cl. 313-113.000.

Thome, Paul, to Babcock-Atlantique, S.A. Jacket for an assembly of nuclear reactor fuel elements. 3,823,066, 7-9-74, Cl. 176-66.000.

Thome, Paul, to Babcock-Atlantique, S.A. Means for adjustable clamping skirt between pressure vessel and core. 3,850,795, 11-26-74, Cl. 176-50.000.

Thome, Paul, to Babcock-Atlantique, S.A. Leakproof connection means between hoop and nozzle of pressure vessel. 3,850,796, 11-26-74, Cl. 176-50.000.

Thomeer, Johannes H., to Shell Oil Company. Shallow plugging selective re-entry well treatment. 3,830,299, 8-20-74, Cl. 166-250.000.

Thominet, Michael Leon, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. 2-Alkoxy-4,5-azimidobenzamides. 3,839,330, 10-1-74, Cl. 260-247.20a.

Thominet, Michel Leon, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. Method of anesthetizing a mammal by administration of a substituted 2-arylalkyloxy benzamide. 3,833,733, 9-3-74, Cl. 424-324.000.

Thominet, Michel Leon, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. 3-Alkoxy-thianaphthene-2-carboxamides. 3,838,169, 9-24-74, Cl. 260-330.500.

Thomm, Ernest C.; and Knowlton, Barry R., to Union Carbide Canada Limited. Polyamide blends with one polyamide containing phthalate sulfonate moieties and terphthalate or isophthalate residues. 3,846,507, 11-5-74, Cl. 260-857.0tw.

Thommen, Hans: *See—*
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Thommes, Stefan: *See—*
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Thompson, Alan: *See—*
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Thompson, Albert L., to General Motors Corporation. Exhaust gas recirculating valve. 3,800,765, 4-2-74, Cl. 123-119.00a.

Thompson, Allen, to Sim-Chem Limited (formerly Simon-Carves Chemical Engineering Ltd.). Control system. 3,846,706, 11-5-74, Cl. 235-151.100.

Thompson, Alligene: *See—*
Conaway, Mildred; Thompson, Alligene; Bowen, Dorsie Mae; Brown, Danny; and McGarrah, Larry, 3,848,266.

Thompson, Alonzo C.: *See—*
Gueldner, Richard C.; Tumlinson, James H., III; Hardee, Dicky D.; Hedin, Paul A.; Thompson, Alonzo C.; and Minyard, James P., 3,813,443.

Thompson, Arnold M. Automatic disconnect shut-off coupling for fluid lines. 3,807,687, 4-30-74, Cl. 251-149.400.

Thompson, Arnold M. Pneumatic cleaning, disinfecting and oiling device for a tube-type dental handpiece. 3,811,408, 5-21-74, Cl. 188-73.000.

Thompson, Arnold M. Ice skate sharpening device. 3,812,626, 5-28-74, Cl. 51-170.0pt.

Thompson, Arnold M. Cartridge-actuated device for inflating tires and the like. 3,834,433, 9-10-74, Cl. 141-392.000.

Thompson, Arthur D.; and Kaibara, Imao, to Emco Limited. Pinch tube faucet. 3,805,842, 4-23-74, Cl. 137-636.00a.

Thompson Bagel Machine Manufacturing Corporation: *See—*
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Thompson, Basil C.: *See—*
Seipel, Arnold J.; Thompson, Basil C.; Haussmann, Robert H.; and Deutsch, Jerome, 3,854,102.

Thompson, Bernard J., to Raytheon Company. Modulation signal generator and apparatus using such generator. 3,794,995, 2-26-74, Cl. 343-5.0dp.

Thompson, Bobby J.: *See—*
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Thompson, Brian Hoyle, to British Gas Corporation. Fluidised bed hydrogenation. 3,830,637, 8-20-74, Cl. 48-213.000.

Thompson, Buster Ray. Coke oven pushing and charging machine and method. 3,784,034, 1-8-74, Cl. 214-21.000.

Thompson, C. Hugh: *See—*
Csaky, Ernoe; and Thompson, C. Hugh, 3,854,877.

Thompson, Charles L.: *See—*
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Thompson, Charles Larry: *See—*
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Thompson, Charles R.; and Hidalgo, John, to Cutter Laboratories, Inc. Use of injectable compositions of the (plus)-optical isomer of the alpha racemate of 2-(2-ethyl-2-phenyl-1,3-dioxolan-4-yl) piperidine to control pain. 3,856,963, 12-24-74, Cl. 424-267.00.

Thompson, Charles T.; and Thompson, Bobby J., to American Coldset Corporation. Stabilized under-drilling apparatus. 3,851,719, 12-3-74, Cl. 175-406.000.

Thompson, Chester C.; Olsen, Severt E.; and Loby, Raymond J., to Radiation Dynamics, Inc. High voltage solid-state rectifier system. 3,848,174, 11-12-74, Cl. 321-11.000.

Thompson, Chester C., Jr., to Radiation Dynamics, Inc. Electrode configuration for particle acceleration tube. 3,793,550, 2-19-74, Cl. 313-63.000.

Thompson, Christopher J. C.: *See—*
Meier, Rudolf H.; Day, Richard P.; and Thompson, Christopher J. C., 3,812,359.

Thompson, Clarence Russell, to Koehring company. Outrigger support mechanism. 3,843,154, 10-22-74, Cl. 280-150.500.

Thompson, Claude W. Trap for removing solid particles from a liquid circulating system. 3,834,539, 9-10-74, Cl. 210-167.000.

Thompson, Daniel T., to Thompson Bagel Machine Manufacturing Corporation. Easily cleaned bagel-forming machine. 3,792,940, 2-19-74, Cl. 425-296.000.

Thompson, Darrell R., to Du Pont de Nemours, E. I., and Company. Coating compositions containing polymeric dispersing aids. 3,788,996, 1-29-74, Cl. 252-62.540.

Thompson, Darrell R., to Celanese Corporation. Solution and method of delustering acrylic fibers with particulate metal salt dispersant of copolymer of 1-olefin and maleic anhydride compound as aid. 3,793,277, 2-19-74, Cl. 260-29.6an.

Thompson, David A.: *See—*
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Thompson, David A., to International Business Machines Corporation. Magnetic ink recording system to both magnetize and read ink. 3,796,859, 3-12-74, Cl. 235-61.11d.

Thompson, David F.: *See—*
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Lawson, James O.; and Thompson, David F., 3,810,143.
Szeverenyi, Nikolaus A.; and Thompson, David F., 3,789,338.
Szeverenyi, Nikolaus A.; and Thompson, David F., 3,813,629.
Szeverenyi, Nikolaus A.; and Thompson, David F., 3,836,882.

Thompson, David F., to GTE Sylvania Incorporated. Fabricating packages for use in intergrated circuits. 3,802,069, 4-9-74, Cl. 29-627.000.

Thompson, David M.: *See—*
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Thompson, David M., to Xerox Corporation. Dry film developing apparatus. 3,826,896, 7-30-74, Cl. 219-388.000.

Thompson, Dewey L.: *See—*
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Thompson, Donald George, to U.S. Philips Corporation. Television line oscillator and line driver circuit arrangements. 3,793,482, 2-19-74, Cl. 178-7.30r.

Thompson, Donald R., to Goodyear Tire & Rubber Company, The. Method of making a metal laminate. 3,794,529, 2-26-74, Cl. 148-6.15r.

Thompson, Dorman N.: *See*—
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Thompson, Dorman N., Jr.: *See*—
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Thompson, Duncan M.; and Needham, Lyle L., to Babson Bros. Co. Crowd gate. 3,805,741, 4-23-74, Cl. 119-20.000.

Thompson, Durwood G. Travel guide. 3,805,429, 4-23-74, Cl. 40-86.00r.

Thompson, Earl R.: *See*—
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Thompson, Elbert Gordon, to Sutton Engineering Company. Straightening machine. 3,834,203, 9-10-74, Cl. 72-164.000.

Thompson, Elliott R., Sr., to Bailey Meter Company. Bellows temperature bulb sensor. 3,797,316, 3-19-74, Cl. 73-368.400.

Thompson, Emily Herman: *See*—
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Thompson, Eugene D.: *See*—
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Thompson, Floyd G. Binary organ and coding system for operating same. 3,828,108, 8-6-74, Cl. 84-1.010.

Thompson, Francis T.: *See*—
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Young, Frederick J.; Thompson, Francis T.; and Boomgaard, Dirk J., 3,846,771.

Thompson, Francis T.; and Wavre, Andre, to Westinghouse Electric Corporation. Power regulation system. 3,796,890, 3-12-74, Cl. 307-24.000.

Thompson, Francis T.; Silverstein, Steven L.; and Sun, Shan C., to Westinghouse Electric Corporation. Interpolative sensor output visual map display system. 3,810,138, 5-7-74, Cl. 340-225.000.

Thompson, Gary R.: *See*—
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Thompson, Geoffrey F., to Syntex Corporation. Dialkylated glycol compositions and medicament preparations containing same. 3,833,725, 9-3-74, Cl. 424-243.000.

Thompson, George, 1/2 to Chevrier, Archie H. Lock stitch loop-taker attachment for sewing machines. 3,805,719, 4-23-74, Cl. 112-184.000.

Thompson, George Horace Brooke, to International Standard Electric Corporation. Gallium arsenide laser fiber coupling. 3,803,511, 4-9-74, Cl. 331-94.500.

Thompson, George Scott. Vehicle heating unit. 3,847,350, 11-12-74, Cl. 237-8.00a.

Thompson, Granville B.; and Seeley, Robert D., said Thompson assor. to University of Missouri, The Curators of the and said Seeley assor. to Anheuser-Busch Incorporated. Dried brewers grain in high energy animal feeds. 3,821,416, 6-28-74, Cl. 426-2.000.

Thompson, Harold. Wildlife call. 3,803,755, 4-16-74, Cl. 46-180.000.

Thompson, Harold A. Water reacting means facilitating loading of boat trailers. 3,800,968, 4-2-74, Cl. 214-500.000.

Thompson, Harold A. Water reacting means facilitating loading of boat trailers. 3,844,430, 10-29-74, Cl. 214-500.000.

Thompson, Harry B.: *See*—
Johnson, Stephen I.; and Thompson, Harry B., 3,814,444.

Thompson, Harry W., to Interlake Steel Corporation. Storage and retrieval arrangement. 3,805,973, 4-23-74, Cl. 214-16.40b.

Thompson, Harry W., to Interlake, Inc. Stacking frame. 3,848,747, 11-19-74, Cl. 211-177.000.

Thompson, Herbert E., to Memorex Corporation. Recording head flexure. 3,805,290, 4-16-74, Cl. 360-103.000.

Thompson, Herbert L. Auto-anti-theft system. 3,800,279, 3-26-74, Cl. 340-65.000.

Thompson, Howard G.; and McIntyre, Marcus L., to Massey-Ferguson Inc. Quick hitch attachment. 3,807,769, 4-30-74, Cl. 280-479.00r.

Thompson, Howard G.; and Kay, John A., Jr., to Massey-Ferguson Inc. Folding wing lock. 3,811,516, 5-21-74, Cl. 172-311.000.

Thompson, Ira Foy; and Smith, Joseph Leland, to RCA Corporation. Static convergence device for electron beams. 3,808,570, 4-30-74, Cl. 335-212.000.

Thompson, James E.: *See*—
Connor, Daniel S.; and Thompson, James E., 3,844,982.

Thompson, James G.; and Reynolds, Edgar M., to I. I. Incorporated. Portable hoist. 3,843,093, 10-22-74, Cl. 254-139.100.

Thompson, James Gordon, to Key Oilfield Supply & Rentals Ltd. Mud and shale separating apparatus. 3,852,197, 12-3-74, Cl. 210-143.000.

Thompson, James K.: *See*—
Eddy, William R.; Richards, Frank P.; and Thompson, James K., 3,793,862.

Thompson, James K.; and Harrell, Melvin R., to Phillips Petroleum Company. Method and apparatus for automatically capping carton with lids. 3,841,054, 10-15-74, Cl. 53-38.000.

Thompson, James L., to Dow Chemical Company, The. Organic deposit and calcium sulfate scale removal emulsion and process. 3,793,209, 2-19-74, Cl. 252-87.000.

Thompson, James L., to Dow Chemical Company, The. Scale removal. 3,794,523, 2-26-74, Cl. 134-3.000.

Thompson, James M.; Iovine, Carmine P.; and Ray-Chaudhuri, Dilip K., to National Starch and Chemical Corporation. Durable fire retardant fabrics made using organic solvent systems of brominated phosphate monomers. 3,841,902, 10-15-74, Cl. 117-136.000.

Thompson, Jeffrey L.: *See*—
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Thompson, Jeffrey L., to Esso Research and Engineering Company. Acoustic leak location and detection system. 3,838,593, 10-1-74, Cl. 73-40.50a.

Thompson, Jimmy M., to Procter Chemical Company, Inc. Durable press textile materials by anhydrous solvent finishing process. 3,834,871, 9-10-74, Cl. 8-187.000.

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Thompson, John T.; and Gillemot, George W. Solderless terminal assembly. 3,787,795, 1-22-74, Cl. 339-14.00r.

Thompson, John T.; and Gillemot, George W. Molded plastic splice casing with combination cable anchorage and cable shielding grounding facility. 3,798,349, 3-19-74, Cl. 174-92.000.

Thompson, John T.; and Gillemot, George W. Combination cable anchorage and grounding accessory. 3,798,585, 3-19-74, Cl. 339-14.00r.

Thompson, John T.; and Gillemot, George W. Encapsulated splice assembly for buried cables. 3,806,630, 4-23-74, Cl. 174-72.00r.

Thompson, John T.; and Gillemot, George W. Combined shipping and dispensing carton for continuous bonding strip and insulated tubing therefor 6. 3,822,784, 7-9-74, Cl. 206-391.000.

Thompson, John T.; and Cowan, Arnold A., to Bohrick Corporation, The. Shock absorber, piston and valve structure. 3,848,710, 11-19-74, Cl. 188-280.000.

Thompson, John W.: *See*—
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Thompson, John W., to Westmont Industries. Tow truck conveyor chain. 3,817,187, 6-18-74, Cl. 104-172.0bt.

Thompson, John W., to Westinghouse Electric Corporation. Optical system for wide band light energy. 3,854,821, 12-17-74, Cl. 356-152.000.

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Thompson, Kenneth N.; Johnson, Richard A.; and Lloyd, Norman E., to Standard Brands, Incorporated. Process for isomerizing glucose to fructose. 3,788,945, 1-29-74, Cl. 195-31.00f.

Thompson, Lawson B. Street drain for use with a sewer system. 3,815,749, 6-11-74, Cl. 210-163.000.

Thompson, Lee E.; and Ramsey, William W., to Ramsey Winch Co. Keyway cutting and milling machine. 3,789,733, 2-5-74, Cl. 90-14.000.

Thompson, Lloyd G. Hub and drum balancing machine. 3,820,403, 6-28-74, Cl. 73-480.000.

Thompson, Lois J.; formerly Duggan, Lois J., trustees of the estate of Magnuson, Roy M.: *See*—
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Thompson, Lowell V., to United States of America, Navy. Means for enhancing the target detection capability of a radar receiver. 3,797,018, 3-12-74, Cl. 343-17.10r.

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Thompson, Marvin I., Jr. Garment. 3,801,987, 4-9-74, Cl. 2-125.000.

Thompson, Maurice J. Bumper system for automotive vehicles. 3,799,597, 3-26-74, Cl. 293-86.000.

Thompson, McKinley, to Meadowbrook Manufacturing Corporation. Sectional toboggan. 3,799,566, 3-26-74, Cl. 280-18.000.

Thompson, Melvin G. Gasket for sealing outlet connection of a toilet bowl. 3,821,820, 7-2-74, Cl. 4-252.00r.

Thompson, Michael Ainley; and Phillips, Brian Leslie, to Joseph Lucas (Industries) Limited. Vehicle traction systems. 3,841,238, 10-15-74, Cl. 180-65.000.

Thompson, Milo L. Pet bed. 3,814,058, 6-4-74, Cl. 119-19.000.

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Thompson, Neal W. Method for cooking foodstuffs. 3,809,777, 5-7-74, Cl. 426-438.000.

Thompson, Neil J., to National Ceiling Corporation. Modular ceiling construction. 3,848,385, 11-19-74, Cl. 52-475.000.

Thompson, Norman, to Beta Aluminium Products Limited. Window frame. 3,849,938, 11-26-74, Cl. 49-471.000.

Thompson, Norman S.; Nicholls, Gordon A.; and Han, Shu-Tang, to Institute of Paper Chemistry, The. Oxidative manufacture of pulp with chlorine dioxide. 3,829,357, 8-13-74, Cl. 162-23.000.

Thompson, Peter James. Clamping device for adjustable length means. 3,795,947, 3-12-74, Cl. 24-73.00r.

Thompson, Phil W.; and Thompson, Ralph F. Product carrier for chilling machine. 3,822,010, 7-2-74, Cl. 198-152.000.

Thompson, Phil W.; Thompson, Ralph F.; and Gottreu, Harold G. Hide pulling machine. 3,835,502, 9-17-74, Cl. 71-21.000.

Thompson, Philip George. Portable rocking cot. 3,806,966, 4-30-74, Cl. 5-109.000.

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Thompson, Richard David, to Barker, R. E., & Co., Limited. Material handling equipment. 3,822,803, 7-9-74, Cl. 214-620.000.

Thompson, Richard H., to Owatonna Manufacturing Company, Inc. Articulated loader. 3,805,908, 4-23-74, Cl. 180-51.000.

Thompson, Richard L., to PHD, Inc. Compound motion fluid actuator. 3,815,479, 6-11-74, Cl. 92-2.000.

Thompson, Richard M., to Hughes Aircraft Company. Waveguide alignment and quick disconnect coupler. 3,821,670, 6-28-74, Cl. 333-98.00r.

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Thompson, Robert L. Quick-release casting weight means. 3,854,235, 12-17-74, Cl. 43-43.120.

Thompson, Robert M.; and Duling, Irl N., to Sun Research and Development Co. Epoxy resins from dimethyladamantane bisphenols. 3,795,658, 3-5-74, Cl. 260-47.0ep.

Thompson, Robert M.; and Talbot, Alfred F., to Sun Research and Development Co. Tertiary diamide based grease. 3,827,980, 8-6-74, Cl. 252-28.000.

Thompson, Robert M., to Sun Research and Development Co. Tertiary diamide lubricants. 3,827,981, 8-6-74, Cl. 252-51.50a.

Thompson, Robert M., to Sun Research and Development Co. Polyamide polymer of diaminomethyl adamantane and dicarboxylic acid. 3,832,332, 8-27-74, Cl. 260-78.00r.

Thompson, Robert M., to Sun Ventures, Inc. Water white polyimide polymer prepared from di(aminomethyl)-dialkyladamantanes. 3,847,872, 11-12-74, Cl. 260-65.000.

Thompson, Robert R.; Duschatko, Robert W.; and Nash, Arthur J., to Amoco Production Company. Critical carbonate minerals in geochemical prospecting. 3,801,281, 4-2-74, Cl. 23-230.0er.

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Thompson, Roy O.; and Breidenstein, Charles P., to United States of America, Interior. Control of vampire bats. 3,786,153, 1-15-74, Cl. 424-281.000.

Thompson, Russell G.; Woods, Eric R.; and Frye, David J., to General Dynamics Corporation. Switching system. 3,808,566, 4-30-74, Cl. 335-152.000.

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Thompson, Stanley C. Weight-balanced golfing iron. 3,845,960, 11-5-74, Cl. 273-171.000.

Thompson, Stanley P. Flighting for dehydrator drum and method. 3,798,789, 3-26-74, Cl. 34-108.000.

Thompson, Stanley P. Method of drying a product. 3,824,065, 7-16-74, Cl. 432-14.000.

Thompson, Thomas C.; Center, John L.; and Stocton, Paul M., to Vicra Sterile, Inc. Winged infusion holding device with thermoplastic elastomeric body. 3,782,383, 1-1-74, Cl. 128-214.000.

Thompson, Thomas C., to Vicra Sterile, Inc. Catheter insertion device. 3,827,434, 8-6-74, Cl. 128-214.400.

Thompson, Thomas L.; and Lafitte, C. Wayne, to Houston Controls Systems, Inc. Batch weighing system. 3,802,522, 4-9-74, Cl. 177-121.000.

Thompson, Thomas R.; and Hromas, Leslie A., to United States of America, Army. Telescoping boom. 3,845,921, 11-5-74, Cl. 244-158.000.

Thompson, Tom H. Brake mechanism. 3,851,567, 12-3-74, Cl. 92-42.000.

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Thompson, Wallace M. Apparatus for continuously producing blocks from scrap metal. 3,782,274, 1-1-74, Cl. 100-95.000.

Thompson, Wallace M., to Harris Press & Shear Corporation. Wide throat scrap shear. 3,820,426, 6-28-74, Cl. 83-13.000.

Thompson, Wallace T., to GTE Sylvania Incorporated. Multiple carrier phase modulated signal generating apparatus. 3,806,811, 4-23-74, Cl. 325-146.000.

Thompson, Wallace T., to GTE Sylvania Incorporated. Neutralized amplifier circuit. 3,835,406, 9-10-74, Cl. 330-27.000.

Thompson, Wayne E.; and Pohland, Albert, to Lilly, Eli, and Company. Resolution of DL-camphor-10-sulfonic acid. 3,819,689, 6-25-74, Cl. 260-503.000.

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Thompson, William Arthur, to Air Logic Pty. Limited. Control devices. 3,819,909, 6-25-74, Cl. 235-61.11r.

Thompson, William H., to Trans-Clean, Inc., mesne. Correlator for automobile washing installations. 3,786,988, 1-22-74, Cl. 238-4.000.

Thompson, William H., to Trans-Clean, Inc., mesne. Vehicle washing apparatus. 3,795,929, 3-12-74, Cl. 15-21.00e.

Thompson, William H., to Trans-Clean, Inc., mesne. Vehicle washing apparatus. 3,822,429, 7-9-74, Cl. 15-21.00e.

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Thompson, Woodrow F. Load levelling and anti-sway trailer hitch. 3,801,133, 4-2-74, Cl. 280-406.00a.

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Thomson, Ely Knox, to Continental Carbon Company. Automatic unloading spout. 3,804,136, 4-16-74, Cl. 141-284.000.

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Thomson, James Arnold. Screw feed unit head. 3,802,298, 4-9-74, Cl. 74-840.000.

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Thorngate, John A.; and Perdue, Phillip T., to United States of America, Atomic Energy Commission. Stable pulsed light source. 3,835,331, 9-10-74, Cl. 250-552.000.
Thorngate, John H.: *See—*
Auxier, John A.; Perdue, Phillip T.; Shinpaugh, William H.; and Thorngate, John H., 3,805,070.
Thornhill, Jan Pass, 30% to Lee, Raymond, Organization, Inc., The. Disposable footwear with grounding means. 3,800,446, 4-2-74, Cl. 36-7.10r.
Thornhill-Craver Company: *See—*
Chance, Maynard R., 3,824,134.
Thornicroft, Barry William; and Teal, Maurice Royston, to Critchley Bros. Limited. Frames for holding printed circuit boards. 3,838,777, 10-1-74, Cl. 211-41.000.
Thornley, Derek, to Lucas, Joseph, (Electrical) Limited. Rotary switch assembly with conductive elastomeric medium bridging fixed contacts. 3,800,105, 3-26-74, Cl. 200-11.00c.
Thornley, Derek, to Lucas, Joseph, (Industries) Limited. Ignition switches. 3,816,678, 6-11-74, Cl. 200-44.000.
Thornley, Gary M.; and Stokes, Robert C., to Ireco Chemicals. Blasting charge and container therefor. 3,783,787, 1-8-74, Cl. 102-24.00r.
Thornton, Alfred K.: *See—*
Arino, Hirofumi; Kramer, Henry H.; McGovern, James J.; and Thornton, Alfred K., 3,799,883.
Thornton, Bryce G.: *See—*
Miller, John P.; Oatess, Arthur W.; and Thornton, Bryce G., 3,795,191.
Thornton, Charles G.: *See—*
daCosta, Harry H.; Foster, Victor W.; and Thornton, Charles G., 3,803,430.
Thornton, Duane V.: *See—*
O'Leary, Walter E.; Thornton, Duane V.; Hammonds, James C.; and Dare, Roy R., 3,804,028.
Thornton, J. Scott: *See—*
Rose, Selwyn H.; Woo, James T. K.; and Thornton, J. Scott, 3,804,811.
Thornton, James C.; and Whyte, Donald E., to Johnson, S. C., & Son, Inc. Vapor dispensing device. 3,790,081, 2-5-74, Cl. 239-55.000.
Thornton, John H., to United States of America, Navy. HF dual-feed corner reflector antenna. 3,803,622, 4-9-74, Cl. 343-836.000.
Thornton, Leonard: *See—*
Davies, Robert William; and Thornton, Leonard, 3,815,822.
Thornton, Marvin L.; and Riccio, Pasquall R., to Ciba-Geigy Corporation. Compressed air aspirating and propellant actuated fluid product dispenser. 3,788,525, 1-29-74, Cl. 222-193.000.
Thornton, Marvin L.; and Riccio, Pasquale R., to Ciba-Geigy Corporation. Compressed air operated dispenser with mechanical force multiplying means. 3,788,526, 1-29-74, Cl. 222-193.000.
Thornton, Michael Joseph: *See—*
Moore, Colin; and Thornton, Michael Joseph, 3,819,491.
Thornton, Richard D.; and Kolm, Henry H., to Massachusetts Institute of Technology. Transportation system employing an electromagnetically suspended, guided and propelled vehicle. 3,842,751, 10-22-74, Cl. 104-148.0ss.
Thornton, Richard D., to Massachusetts Institute of Technology. Transportation system employing magnetic levitation, guidance and propulsion. 3,850,109, 11-26-74, Cl. 104-148.0ss.
Thornton, Ronald W.: *See—*
Thornton, Theodore Wayne; and Thornton, Ronald W., 3,811,589.
Thornton, Roy F., to General Electric Company. Mercuric oxide electrode and method of forming. 3,854,999, 12-17-74, Cl. 136-20.000.
Thornton, Theodore Wayne; and Thornton, Ronald W. Child-resistant container assembly and components thereof. 3,811,589, 5-21-74, Cl. 215-9.000.
Thornton, Thomas F. Interdental tooth cleaner and method for making same. 3,837,351, 9-24-74, Cl. 132-89.000.
Thornton, Thomas Fred: *See—*
Loomer, Weston R.; and Thornton, Thomas Fred, 3,844,423.
Thornton, William A., Jr., to Westinghouse Electric Corporation. Warm white lamp with normal output and improved color rendition. 3,858,082, 12-31-74, Cl. 313-487.000.
Thornton, William Hermann Brenner. Automatic tea or coffee maker. 3,814,004, 6-4-74, Cl. 99-283.000.
Thornton, William M.: *See—*
Jennings, Robert R.; and Thornton, William M., 3,783,944.
Thorogood, Robert M.: *See—*
Geist, Jacob M.; Paul, Roy A.; and Thorogood, Robert M., 3,814,397.
Thorp, Burce E., to Xerox Corporation. Blade cleaning with reverse movement. 3,843,407, 10-22-74, Cl. 134-6.000.
Thorp, Geoffrey Philip: *See—*
Burgess, Brian; and Thorp, Geoffrey Philip, 3,786,993.
Thorp, James T., Jr., to Champion Hoist Company. Hoist. 3,820,633, 6-28-74, Cl. 187-95.000.
Thorp, Roland Herbert: *See—*
Maguire, Mary Helen; Thorp, Roland Herbert; and Nobbs, Denis Michael, 3,845,205.
Thorpe, Allan Chester, to International Business Machines Corporation. Magnetic tape recording method and apparatus. 3,831,196, 8-20-74, Cl. 360-52.000.
Thorpe, David C., to Richmond Marine Limited. Marine craft. 3,834,340, 9-10-74, Cl. 114-201.00r.
Thorpe, David C., to Richmond Marine Limited. Centreboard casing constructions for sailing boats. 3,850,127, 11-26-74, Cl. 114-138.000.
Thorpe, Dean F., to FMC Corporation. Process for production of carbofuran. 3,816,474, 6-11-74, Cl. 260-346.20r.
Thorpe, Donald H.; and Hopkins, George C., to Hooker Chemical Corporation. Process for the preparation of nitrilotriacetamides. 3,799,981, 3-26-74, Cl. 260-561.00a.
Thorpe, Eric Trevor: *See—*
Harris, Leslie James; Thorpe, Eric Trevor; Wellborne, John Peter; and D'Aprix, Edward Charles, 3,853,180.
Thorpe, Merle L., to Humphreys Corporation. Method of rock cutting employing plasma stream. 3,788,703, 1-29-74, Cl. 299-14.000.
Thorpe, Robert A.: *See—*
Bliss, Burit E.; Dervan, James T., III; Griffith, Leroy E.; Pung, Bruce D.; Thorpe, Robert A.; and Vogel, Norman A., 3,798,610.
Thorsell, Sven Torgny: *See—*
Granholm, Sven Axel Edvin; and Thorsell, Sven Torgny, 3,802,208.
Thorsen, Walter J., to United States of America, Agriculture. Corona treatment of textiles. 3,817,701, 6-18-74, Cl. 8-116.00r.
Thorson, Sheldon E. Offset tubular stilts with underlying height adjustable footrest supports. 3,782,720, 1-1-74, Cl. 272-70.001.
Thorsson, Lars-Ake Olof; and Jarvenson, Erik Borje, to AB Motala Verkstad and Landstingens Inkopscentral. Method of emptying drainage bags and apparatus for carrying out the method. 3,809,577, 5-7-74, Cl. 134-42.000.
Thorsteinson, Marvin: *See—*
Sellers, Frederick; Thorsteinson, Marvin; and Martens, Ernst, 3,809,513.
Thorud, Richard A.; Tillotson, Henry B., III; and Wood, William D., to Toro Company, The. Folding handle and latch assembly. 3,816,873, 6-18-74, Cl. 16-111.00a.
Thorvaldsen, B.: *See—*
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Thorwaldsen, Stanley E.: *See—*
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Thouret, Wolfgang E.: *See—*
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Thouret, Wolfgang E.; and Kaufman, Rudolph, to Duro-Test Corporation. Electric lamps of the vibrating filament type having a conductive coating. 3,814,973, 6-4-74, Cl. 313-313.000.
Thourson, Thomas L.; and Hauser, Oscar G., to Xerox Corporation. Forms overlay technique using test. 3,806,238, 4-23-74, Cl. 355-3.000.
Thousand, John L., to Revcon, Incorporated. Wheel adapter. 3,834,766, 9-10-74, Cl. 301-9.0dn.
Thouvenin, Alain Jean: *See—*
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Thrall Car Manufacturing Company: *See—*
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Heap, James C., 3,818,842.

Thrasher, George E., to Master Pneumatic-Detroit, Inc. Silencer and lubricant trap for air tool exhaust. 3,845,840, 11-5-74, Cl. 181-36.00r.

Three Dimensional Circuits, Inc.: *See—*
Ramsay, Richard; Lanfear, Joseph P.; and Bach, Michael, 3,808,389.

Three-Line Research and Development Co., Inc.: *See—*
Krus, Jerome J.; Quinn, Governor V.; and Jordan, Ulice A., 3,807,061.

Threlkeld, Richard James. Long play film cartridge and projector. 3,790,261, 2-5-74, Cl. 352-72.000.

Thresher, Richard G.: *See—*
Rogers, Joseph P., Jr.; and Thresher, Richard G., 3,844,215.

Threshold Technology Inc.: *See—*
Herscher, Marvin B.; and Martin, Thomas B., 3,821,472.

Thring, John Meredith, to Gunson's Colorplugs Limited. Sparking plug. 3,846,655, 11-5-74, Cl. 313-118.000.

Throckmorton, Morford C.; and Mournichan, Robert E., to Goodyear Tire & Rubber Company, The. Diolefin polymerization catalyst composition. 3,794,604, 2-26-74, Cl. 252-431.00c.

Throckmorton, Morford C., to Goodyear Tire & Rubber Company, The. Catalyst for the polymerization of conjugated diolefins. 3,844,974, 10-29-74, Cl. 252-429.00b.

Throckmorton, Morford C.; and Sandstrom, Paul H., to Goodyear Tire & Rubber Company, The. Polymerization of butadiene with stabilized catalyst system. 3,845,029, 10-29-74, Cl. 260-94.300.

Throckmorton, Morford C.; and Saltman, William M., to Goodyear Tire & Rubber Company, The. Polymerization process. 3,856,764, 12-24-74, Cl. 260-82.100.

Throckmorton, Peter E.: *See—*
Kellen, James N.; and Throckmorton, Peter E., 3,847,942.

Throckmorton, Peter E.; and McKillip, William J., to Ashland Oil, Inc. Cyclic organometallic compounds. 3,786,067, 1-15-74, Cl. 260-327.00r.

Throckmorton, Peter E.; McKillip, William J.; and Slagel, Robert C., to Ashland Oil, Inc. Process of reacting isocyanate or isothiocyanate and compositions therefor. 3,828,007, 8-6-74, Cl. 260-75.0nb.

Throckmorton, Thomas Marvin; and Crawford, Charles M., III, to Metropolitan Watersaving Co., Inc. Water saving attachments for toilet gravity flush tanks. 3,811,134, 5-21-74, Cl. 4-18.000.

Throndson, Lester W., to Rockwell International Corporation. Aircraft system lift ejector. 3,819,134, 6-25-74, Cl. 244-42.0cc.

Throner, Guy C. Traction splint. 3,848,589, 11-19-74, Cl. 128-84.00c.

Throner, Guy C. Antiseptic catheter. 3,848,603, 11-19-74, Cl. 128-349.00r.

Throner, Guy C. Portable tractor system. 3,850,165, 11-26-74, Cl. 128-84.00c.

Throner, Guy C., Jr.: *See—*
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Throner, Guy C., Jr., to FMC Corporation. Independent multiple head forward firing system. 3,818,833, 6-25-74, Cl. 102-7.200.

Throner, Guy C., Jr., to FMC Corporation. Method and apparatus for salvaging a sunken vessel. 3,822,660, 7-9-74, Cl. 114-50.000.

Thrower, Herbert T., Jr., to Hystron Fibers Incorporated. Process for heat setting crimped synthetic polymeric fiber tow. 3,819,402, 6-25-74, Cl. 93-1.0dh.

Thrush, Richard G., to Weatherhead Company, The. Blend back proportioning valve. 3,832,007, 8-27-74, Cl. 303-6.00c.

Thuillier, Germaine, born Nachmias; and Geffroy, Francoise, born Remy, to C.E.R.P.H.A. (Centre Europeen de Recherches Pharmacologiques). Alkoxy phenoxy acetamides. 3,818,021, 6-18-74, Cl. 260-295.005.

Thuillier, Yvonne, to Laboratories Albert Rolland. Process for obtaining extracts from pancreas. 3,803,305, 4-9-74, Cl. 424-110.000.

Thuillier, Yvonne; and Giono-Barber, Paulette, born Crouy-Sur-Ourcq, Michel, to Rolland, Albert, S.A. Method of treating hypertension in animals with an extract of barks of anacardiacaea. 3,809,750, 5-7-74, Cl. 424-195.000.

Thukioka, Takashi: *See—*
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Thul, Richard L.: *See—*
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Thuler, Oscar. Apparatus and process for subdividing sealed glass tube containing radioactive gas. 3,817,733, 6-18-74, Cl. 65-56.000.

Thulin, Frederick A., Jr.: *See—*
Nelsson, Nels; Marchello, Maurice J.; and Thulin, Frederick A., Jr., 3,831,333.

Thullen, Philip: *See—*
Smith, Joseph L., Jr.; and Thullen, Philip, 3,816,780.
Smith, Joseph L., Jr.; and Thullen, Philip, 3,845,639.

Thum, Helmut, to Wegmann & Co. Elastomerically mounted axle boxes. 3,839,969, 10-8-74, Cl. 105-224.100.

Thum, Oskar. Orthopedic appliance. 3,834,376, 9-10-74, Cl. 128-80.00a.

Thum, Waldemar: *See—*
Bergmeyer, Hans Ulrich; Naher, Gotthilf; Neimann, Gunter; and Thum, Waldemar, 3,794,562.

Thum, Waldemar; Wahlefeind, August Wilhelm; Naher, Gotthilf; Gruber, Wolfgang; Mollering, Hans; Weimann, Gunter; and Bergmeyer, Hans Ulrich, to Boehringer Mannheim G.m.b.H. Reagent and method for determination of lactate dehydrogenase. 3,791,931, 2-12-74, I. 195-103.50r.

Thumberger, Harold C. Gyratory filter. 3,855,131, 12-17-74, Cl. 210-383.000.

Thumm, Helmut: *See—*
Baehr, Theodor; and Thumm, Helmut, 3,854,667.

Thumm, Helmut; Ruessmann, Gerd; and Kotitschke, Josef. Control arrangement for press grinder. 3,791,596, 2-12-74, Cl. 241-34.000.

Thumm, J. Randall; Roberson, Cletis L.; and Klink, Jerome P., to Owens-Corning Fiberglas Corporation. Method and apparatus producing perturbations while winding glass fibers. 3,819,344, 6-25-74, Cl. 65-2.000.

Thumma, Francis L. Portable wheel stand. 3,856,264, 12-24-74, Cl. 254-88.000.

Thummler, Fritz; and Ahmed, Mahmoud. Sintering alloy. 3,853,537, 12-10-74, Cl. 75-.50r.

Thummler, Ursus: *See—*
Ebert, Hans; Thummler, Ursus; and Werner, Hugo, 3,830,039.

Thummler, Ursus; and Rothkamp, Josef, to Knapsack Aktiengesellschaft. Process and apparatus for separating phosphorus furnace slag and ferrophosphorus from one another. 3,802,561, 4-9-74, Cl. 210-71.000.

Thummler, Ursus; Werner, Hugo; and Kerber, Hans, to Knapsack Aktiengesellschaft. Process for transforming liquid furnace slag into granules. 3,833,354, 9-3-74, Cl. 75-24.000.

Thun, Leonard; and Grebow, Leon David, to AcRite Industries, Inc. Bifold door system. 3,811,489, 5-21-74, Cl. 160-118.000.

Thunberg, Jon C.: *See—*
Bragdon, Robert W.; Thunberg, Jon C.; and Moore, William P., 3,808,269.
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Thunblom, Nils Birger: *See—*
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Thunderco, Inc.: *See—*
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Thune, Gerald E. Safety arms for trailer hitch. 3,782,759, 1-1-74, Cl. 280-457.000.

Thune-Euraka A/S: *See—*
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Thunus, Leopold Nicolas Joseph Victor: *See—*
Delarge, Jacques E.; Thunus, Leopold Nicolas Joseph Victor; Lapiere, Charles-Leon Albert; and Georges, Andre Henri Eugene, 3,819,639.

Thur, Klaus: *See—*
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Thur, Klaus, to Telesco Brophey, Limited. Telescopic umbrella stick. 3,811,455, 5-21-74, Cl. 135-46.00t.

Thur, Klaus, to Telesco Brophey Limited. Self-closing umbrella frame. 3,828,805, 8-13-74, Cl. 135-22.000.

Thurairajan, Ponnuswamy: *See—*
Barnes, Andrew Nicholas Morrison; Chen, Wai Ming; Rickards, Tudor; Rosser, David Arthur; and Thurairajan, Ponnuswamy, 3,838,057.

Thurber, Kenneth James: *See—*
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Thuries, Edmond, to Delle-Alsthom. Thermo-siphonic cooling circuit and circuit breaker. 3,848,103, 11-12-74, Cl. 200-289.000.

Thurk, Gerhard; and Beier, Helmut, to Siemens Aktiengesellschaft. High-voltage circuit breaker equipped with hydraulic drive. 3,823,286, 7-9-74, Cl. 200-82.00b.

Thurman, Benjamin H.: *See—*
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Thurman Manufacturing Company, The: *See—*
Cummins, Millard M.; Keates, Richard H.; Best, Robert G.; and Barr, Donald L., 3,831,442.
Cummins, Millard M.; Best, Robert G.; and Hankins, Thomas, 3,851,861.

Thurman, Michael Bruce: *See—*
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Thurman, Woodrow W.: *See—*
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Thurmond, Carl Dryer: *See—*
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Thurmond, Fred A., Jr.: *See—*
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Thurn, Friedrich: *See—*
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Thurn, Robert Dean: *See—*
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Thuron Industries, Inc.: *See—*
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Thursday Company, The: *See—*
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Thurston, Earle P.: *See—*
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Thurston, Elvin Frederick William: *See—*
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Thurston, Elvin Frederick William; and Scott, John Gabriel Valentine, to Ilford Limited. Silver halide photographic supersensitizing dye combination. 3,853,565, 12-10-74, Cl. 96-124.000.

Thurston, Elvin Frederick William; and Scott, John Gabriel Valentine, to Ilford Limited. Photographic silver halide emulsion containing a supersensitising combination. 3,856,532, 12-24-74, Cl. 96-124.000.

Thurston, Glenn C., to Gulf Oil Corporation. Fastener system and method for inspecting same. 3,820,381, 6-28-74, Cl. 73-40.000.

Thurston, James R.; and Adams, Gary V., to Thiokol Chemical Corporation. Chaff dispenser, method of dispersing chaff. 3,797,394, 3-19-74, Cl. 102-37.600.

Thurston, James R., to Thiokol Chemical Corporation. Ignition system for rockets. 3,815,359, 6-11-74, Cl. 60-254.000.

Thurston, Raymond L., to Microdot Inc. Lock nut. 3,841,371, 10-15-74, Cl. 151-21.00r.

Thuruoka, Hisashi: *See—*
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Thust, Walter: *See—*
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Thust, Walter; and Schmidt, Uwe J., to U.S. Philips Corporation. Method and arrangement for optically displaying characters constituted by raster light spots on a projection surface. 3,816,824, 6-11-74, Cl. 340-324.0ad.

Thuy, Hans-Joachim: *See—*
Wilisch, Jurgen; Goetze, Rudolf; Jaeck, Frank; Nackmayr, Dietrich; Rehberg, Heinz; and Thuy, Hans-Joachim, 3,836,731.

Thwaites, Leslie Basil. Vehicle chassis. 3,800,899, 4-2-74, Cl. 180-49.000.

Thyen, Eberhard Heinrich, to Ethicon, Inc. Suture package. 3,857,484, 12-31-74, Cl. 206-227.000.

Thysk, Rune Nils Anders: *See—*
Johansson, Gustav Gunnar; Jorgensen, Birger Roat; Mogested, Folke Teodor; and Thysk, Rune Nils Anders, 3,796,923.

Thyssen (Great Britain) Limited: *See—*
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Thyssen Niederrhein GmbH Hutten und Walzwerke: *See—*
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Thyssen-Niederrhein AG Hutten-und Walzwerke: *See—*
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Grewer, Rudolf; Hickmann, Herbert; and Welke, Wolfgang, 3,827,584.
Grewer, Rudolf; and Hickmann, Herbert, 3,831,622.
Grewer, Rudolf; Hickmann, Herbert; and Trecker, Hermann, 3,831,787.

T.I. (Group Services) Limited: *See—*
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Ti Tech International, Inc.: *See—*
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Tiao, Hui-Li: *See—*
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Tibbals, Edward Camp, Jr. Pressure regulator. 3,792,717, 2-19-74, Cl. 137-505.250.

Tibbals, Edward Camp, Jr. Valve. 3,807,440, 4-30-74, Cl. 137-493.200.

Tibbetts, Philip E., to Schlegel Manufacturing Company, The. Door and threshold weatherseal system. 3,851,420, 12-3-74, Cl. 49-471.000.

Tibbetts, Samuel H, III: *See—*
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Tibbling, Kurt Eskil, to Pak Construction AB. Detector to indicate burning or glowing particles. 3,824,392, 7-16-74, Cl. 250-221.000.

Tibbs, Robert C. Aircraft. 3,840,199, 10-8-74, Cl. 244-40.00r.

Tiberg, Magnus Gustav Georg, to SKF Industrial Trading and Development Company N.V. Method of slag separation. 3,819,361, 6-25-74, Cl. 75-13.000.

Tiby, Gerard A., to Hobart Corporation. Food cutting and dicing apparatus. 3,857,310, 12-31-74, Cl. 83-26.000.

Tice, Irvin D. Sterile anesthetic instrument. 3,831,598, 8-27-74, Cl. 128-172.100.

Tice, James B.; and Bowler, Colin E. J., to General Electric Company. Reduction of turbine generator shaft torques. 3,813,593, 5-28-74, Cl. 321-9.00r.

Tichelaar, Gerrit Willem: *See—*
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Tichy, Nick: *See—*
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Ticino, Vezia: *See—*
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Tick, Paul A., to Corning Glass Works. Method for forming amorphous semiconductors. 3,825,439, 7-23-74, Cl. 117-106.00r.

Tickell, Arthur J., Sr. Oil burner. 3,799,733, 3-26-74, Cl. 431-350.000.

Tickle, Colin John Frederick, to Girling Limited. Railway brakes. 3,791,491, 2-12-74, Cl. 188-70.00r.

Tickle, John Edward, to Ferranti Limited. Television systems. 3,833,760, 9-3-74, Cl. 178-6.800.

Tidball, Robert A.; and Lauro, Gene F., to Foster Wheeler Corporation. Method of treating boiler make-up water. 3,820,333, 6-28-74, Cl. 60-667.000.

Tidbury, Gordon Thomas: *See—*
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Tidd, Donald M., 20% to Lee, Raymond, Organization, Inc., The. Sluice pack. 3,799,415, 3-26-74, Cl. 224-25.00a.

Tideland Signal Corporation: *See—*
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Jacobs, Thomas A., 3,855,586.
Jacobs, Thomas A., 3,855,587.

Tideswell, Richard B.: *See—*
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Tidwell, Felix, 20% to Lee, Raymond, Organization, Inc., The. Rolling vehicular toy. 3,806,156, 4-23-74, Cl. 280-206.000.

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Tieben, Heinz, to Diehl. Method of making splinter shells, and splinter projectiles and splinter heads made according to this method. 3,815,504, 6-11-74, Cl. 102-67.000.

Tieco, Inc.: *See—*
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Tiedemann, Herman H., to GAF Corporation. Cathodic plug. 3,846,272, 11-5-74, Cl. 204-219.000.

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Tier, Fred G.: *See—*
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Tierney, David P. Golf putting apparatus with ball return. 3,856,313, 12-24-74, Cl. 273-176.0fb.

Tierney, Paul A.; Hendrick, Ross M.; and Gabbert, James D., to Monsanto Company. Reinforced polyamide compositions and process of preparation thereof. 3,833,534, 9-3-74, Cl. 260-37.00n.

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Tiers, George Van Dyke: *See—*
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TIF Instruments, Inc.: *See—*
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Tighe, William R., to Willard Boat Works. Mold for building large boats from fiber glass reinforced plastic and the like. 3,806,304, 4-23-74, Cl. 425-470.000.

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Tilmanis, Alexander, to U.S. Philips Corporation. Apparatus for controlling refrigerator defrost apparatus. 3,839,878, 10-8-74, Cl. 62-155.000.

Tilp, Robert F.; Fitzpatrick, William E.; and Cubitt, Robert B., to Rapid-American Corporation, mesne. Bulk package incorporating movable dispenser insert for individual dispensing of substantially wet sheets from stack. 3,836,044, 9-17-74, Cl. 221-55.000.

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Tims, Thomas William; and Pemberton, Robert Tudor. Universally mountable windshield. 3,801,152, 4-2-74, Cl. 296-78.100.

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Tindall, Don J.: *See—*
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Ting, Youn H.; and Stoeckler, Hans Adolf, to Texas Instruments Incorporated. Encapsulated PTC heater packages. 3,824,328, 7-16-74, Cl. 174-52.0pe.

Tinghitella, Michael J.: *See—*
Godlewski, Robert B.; Harris, Robert D.; and Tinghitella, Michael J., 3,852,088.

Tingle, Glenn D.: *See—*
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Tingley, William E.; and Addiego, Joseph, to Nabisco, Inc. Easy closure carton. 3,792,810, 2-19-74, Cl. 229-39.00r.

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Tink, Robert MacMillan; and Baker, Bob Jim, to National Cash Register Company, The. Digital communication system. 3,812,292, 5-21-74, Cl. 179-2.0dp.

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Tinman, Hugh J. Electrically-operable game apparatus. 3,856,307, 12-24-74, Cl. 273-134.00a.

Tinnerman, George A. Sheet metal panel fastener. 3,798,710, 3-26-74, Cl. 24-73.00b.

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Tinsley, John M., to Halliburton Company. Fracturing subterranean formations without damaging the formation. 3,845,824, 11-5-74, Cl. 166-308.000.

Tinsley, John M., to Halliburton Company. Placing zones of solids in a subterranean fracture. 3,850,247, 11-26-74, Cl. 166-280.000.

Tinsley Laboratories, Inc.: *See—*
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Tintometer Limited, The: *See—*
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Tintori, Jolio, to Progil. Fuel for gas turbine. 3,793,181, 2-19-74, Cl. 208-15.000.

Tintorri, Terence A. Controlled use chess game apparatus. 3,836,152, 9-17-74, Cl. 273-136.00f.

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Tipaine, Wiya Aleksandrowna: *See—*
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Tipnis, Vijayakumar A., to Republic Steel Corporation. Stainless steel having improved machinability. 3,846,186, 11-5-74, Cl. 148-37.000.

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Tippetts, Earl Levell, to Lear Avia Corporation. Altitude alerting system. 3,821,698, 6-28-74, Cl. 340-27.0na.

Tipping, Anthony Edgar: *See—*
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Tippmann, Heinrich, to ITT Industries, Inc. Cone type friction gearing. 3,848,475, 11-19-74, Cl. 74-192.000.

Tippmer, Kurt; and Laufhutte, Dieter, to Still, Carl, Firma. Ammonia-hydrogen sulfide-cycle scrubbing method for crude coke oven cases. 3,789,105, 1-29-74, Cl. 423-234.000.

Tipton, Joe D., to Gardner-Denver Company. Flow and pressure regulating control for hydraulic motors. 3,799,200, 3-26-74, Cl. 137-625.600.

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Tiraspolsky, Wladimir; and Rouviere, Roger Francois. Shaft assembly. 3,782,838, 1-1-74, Cl. 403-32.000.

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Tire-Gator, Inc.: *See—*
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Tirellis, Gus George: *See—*
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Tirkkonen, Erkki Tapio. Dosing device utilizing an electronic scale and regulating means. 3,783,866, 1-8-74, Cl. 128-213.000.

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Tirpak, George; and Stanaback, Robert J., to Tenneco Chemicals, Inc. Method of controlling microbial growth in polyvinyl halide resin compositions. 3,833,520, 9-3-74, Cl. 260-23.0xa.

Tirrell, C. Barry; and Reid, Walter L., Jr., to Dale Electro-Systems, Incorporated. Sectional laminated structural system for area distribution of electrical power and signal energy. 3,809,966, 5-7-74, Cl. 317-117.000.

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Tischler, Edward Joseph, to Ecodyne Corporation. Brine valve assembly. 3,844,309, 10-29-74, Cl. 137-399.000.

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Tison, Kenneth F., to Marine Construction & Design Co. Long-line setting, baiting and hauling system and apparatus. 3,841,011, 10-15-74, Cl. 43-4.000.

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Tittmann, Egon; and Rometsch, Werner, to Bosch, Robert, GmbH. Hydrostatic transmission. 3,823,558, 7-16-74, Cl. 60-329.000.

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Titus, Charles H., to General Electric Company. Protective system for mobile electric power apparatus. 3,852,641, 12-3-74, Cl. 317-18.00b.

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Titus, Dudley S.: *See—*
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Titus, Hans-Joachim. Pressure-filtering apparatus and filtering method. 3,797,662, 3-19-74, Cl. 210-78.000.

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Tixier, Rene, to Societe Generale de Recherches et d'Applications Scientifiques (SOGERAS). Alkylsulfonic derivatives of quinine alkaloids. 3,828,048, 8-6-74, Cl. 260-284.000.

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Toaz, Milton W., to Gould Inc. Method of forming a composite bearing structure. 3,812,563, 5-28-74, Cl. 29-149.5pm.

Toba, Hirotaka; Tanaka, Kazunobu; Kusumoto, Masahiko; Watanabe, Shoji; and Tsukane, Nagayoshi, to Daicel Ltd. Photolytic polyisobutylene oxide resin molded products of vanishing type. 3,850,855, 11-26-74, Cl. 260-2.00a.

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Tobak, Lev Zeilikovich; Brandenburgsky, Mikhail Galileevich; Lichman, Nikolai Iosifovich; and Lygovskoi, Andrei Likyanovich. Horizontal hydraulic press. 3,810,293, 5-14-74, Cl. 29-251.000.

Tober, Edward Paul, to Western Electric Company, Incorporated. Method of continuously sealing an interface between two relatively movable members. 3,810,966, 5-14-74, Cl. 264-262.000.

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Tobin, Curtis L.: *See—*
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Pasek, James E.; Shea, James M.; and Tobin, Michael F., 3,787,945.

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Tobin, Michael Joseph: *See—*
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Tobin, Robert A. Bird feeder. 3,822,674, 7-9-74, Cl. 119-53.000.

Tobin, Robert A. Nut or candy dispenser. 3,847,305, 11-12-74, Cl. 222-166.000.

Tobin, Ronald B.; and Waldbillig, Charles C., to Medex, Inc. Disposable swab unit. 3,792,699, 2-19-74, Cl. 128-2.00w.

Tobin, Ronald D.: *See—*
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Tobin-Arp Manufacturing Company: *See—*
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Tobinick, Sidney; and Seminoff, Arnold, to Aqua Therm Products Corporation. Light-weight, minimum-volume water pad. 3,815,165, 611-74, Cl. 5-348.0wb.

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Tobishima Kensetsu Kabushiki Kaisha: *See—*
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Toby, Daniel J., to Toby Enterprises. Surface freezing a shaped piece of meat. 3,852,507, 12-3-74, Cl. 426-513.000.

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Tocci, Paul M. Spotting device. 3,833,341, 9-3-74, Cl. 23-259.000.

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Toda, Minoru; and Tosima, Soitiro, to RCA Corporation. Variable delay devices using ferroelastic-ferroelectric materials. 3,840,826, 10-8-74, Cl. 333-30.00r.

Toda, Sadasuke: *See—*
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Todd, George Mack. Portable entrance unit for mobile homes. 3,830,337, 8-20-74, Cl. 182-46.000.

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Todd, Leonard M. Telephone line seizure switches. 3,794,764, 2-26-74, Cl. 179-2.00a.

Todd, Leonard M. Control circuit for telephone answering set with a recorder using a conventional record-play. 3,794,767, 2-26-74, Cl. 179-6.00r.

Todd, Peter Frank: *See—*
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Todd, Sidney Clarke, to Pierce-All Manufacturing Limited. Turret punching machines. 3,853,029, 12-10-74, Cl. 83-552.000.

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Toepfl, Werner, to Ciba-Geigy AG. Dithiophosphates. 3,833,600, 9-3-74, Cl. 260-293.850.

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Tomalty, Donald Ernest. Clip structure and conveying means. 3,783,994, 1-8-74, Cl. 198-179.000.
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Tomisawa, Norio; Uchiyama, Yasuji; Okumura, Takatoshi; and Takeda, Toshio, to Nippon Gakki Seizo Kabushiki Kaisha. Musical tone wave shape generating apparatus. 3,823,390, 7-9-74, Cl. 340-172.500.
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Tomita, Tadashi, to Pioneer Electronic Corporation. Automatic telephone answering apparatus. 3,858,006, 12-31-74, Cl. 179-6.00e.
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Tomita, Tetsuo: *See*—
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Tomita, Tsutomu; Mizukoshi, Masahiko; Ogiwara, Shinichi; and Maeda, Ayahiko, to Kao Soap Co., Ltd. Method for making a frozen cake. 3,821,441, 6-28-74, Cl. 426-343.000.
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Tomiwa, Hiroshi, to Matsuo Electric Company. Chip-shaped, non-polarized solid state electrolytic capacitor and method of making same. 3,787,961, 1-29-74, Cl. 29-570.000.
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Tomizawa, Kazuhiro, to Nittai Lease Company, Ltd. Lower track roller for crawler track. 3,797,895, 3-19-74, Cl. 305-27.000.
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Tomizawa, Michishige; and Akizuki, Hirobumi, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Vessel unloader. 3,819,065, 6-25-74, Cl. 214-14.000.
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Tomlinson, Barbara L. Detachable and interchangeable combination wig and hat. 3,782,396, 1-1-74, Cl. 132-53.000.
Tomlinson, Bayne B., to Borg-Warner Corporation. Centrifugal switch. 3,838,238, 9-24-74, Cl. 200-80.00b.
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Tomlinson, Edward G., to Uniroyal, Inc. Method of forming a splice in a toothed power transmission belt. 3,833,998, 9-10-74, Cl. 29-401.000.
Tomlinson, John R., to Sky Pole Manufacturing, Inc. Measuring means for pole vaulter. 3,815,902, 6-11-74, Cl. 272-59.00c.
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Tomlinson, Peter E., to Du Pont de Nemours, E. I., and Company. Process for isomerization of 2-methyl-3-butene-nitrile to a linear pentenenitrile. 3,852,329, 12-3-74, Cl. 260-465.900.
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Tomozawa, Atsushi; and Ford, Harold E., to Communications Satellite Corporation. System for changing the burst format in a TDMA communication system. 3,816,666, 6-11-74, Cl. 179-15.0bs.
Tomozawa, Yoshiaki, to Nankai Tekko Co., Ltd. Bicycle wheel. 3,782,778, 1-1-74, Cl. 301-9.0dn.
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Tompkins, Leo L. Counter-wave pulse jet engine. 3,848,408, 11-19-74, Cl. 60-248.000.
Tompkins, Leo L.; and Hughes, J. Willis. Multi-purpose information gathering and distribution system. 3,858,212, 12-31-74, Cl. 343-100.0cs.
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Torosian, Ashod; and Giacoletti, John B., to General Motors Corporation. Catalytic converter muffler assembly. 3,841,841, 10-15-74, Cl. 23-288.00f.
Torpey, Wilbur N., to Autotrol Corporation. Treatment of wastewater. 3,817,857, 6-18-74, Cl. 210-3.000.
Torpey, Wilbur N., to Autotrol Corporation. Method and apparatus for upgrading wastewater treatment plants. 3,849,303, 11-19-74, Cl. 210-4.000.
Torpey, Wilbur N.; and Sullivan, Richard A., to Autotrol Corporation. Method for the primary and secondary treatment of wastewater in a unitary apparatus. 3,849,304, 11-19-74, Cl. 210-14.000.
Torpie, John D.; Bell, Allan J.; Gorham, Michael L.; and Keating, Walter G., to Xerox Corporation. Automatic equalization method and apparatus. 3,798,576, 3-19-74, Cl. 333-18.000.
Torplund, Lorna A. Method for forming wax ornaments on a wire screen. 3,836,411, 9-17-74, Cl. 156-59.000.
Torrance, Gordon A.: *See—*
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Torrant, James Peter; and Benson, Carl P., to Torrington Company, The. Knitting machine needle. 3,783,647, 1-8-74, Cl. 66-123.000.
Torre, Marcel, to Mefina S.A. Solid lubricants. 3,783,130, 1-1-74, Cl. 252-12.000.
Torregrossa, Joyce Burroughs: *See—*
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Torrence, Arthur L., to Mechtronics Corporation. Integrated diurnal tide and time clock. 3,823,544, 7-16-74, Cl. 58-3.000.
Torrence, James D.; and Graves, Fred L., to Allis-Chalmers Corporation. Spider bearing assembly for gyratory crushers. 3,813,047, 5-28-74, Cl. 241-211.000.
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Torrent, Roger, to Firmenich S.A. Pipette stopper. 3,820,576, 6-28-74, Cl. 141-24.000.
Torres, Fuasto Orlando. Electronic magneto. 3,838,298, 9-24-74, Cl. 307-309.000.
Torres, Jorge; and Lane, George W., to Purolator, Inc. Crashworthy valve. 3,797,510, 3-19-74, Cl. 137-68.000.
Torres, Julian. Glazier's point holder. 3,783,919, 1-8-74, Cl. 145-46.000.
Torres-Pena, Enrique. Furniture and room partition components. 3,835,354, 9-10-74, Cl. 317-257.000.
Torresi, Vincenzo N., to Olivetti, Ing. C., & C., S.p.A. Multiplex driving circuit. 3,786,486, 1-15-74, Cl. 340-336.000.
Torrey, Bert E. Mobile home positioner. 3,796,334, 3-12-74, Cl. 214-730.000.

Torrey, Robert R. Genito-urinary examination device. 3,817,512, 6-18-74, Cl. 269-328.000.
Torricelli, Paolo, to Compagnia Italiana Tubi Metallici Flessibili S.p.A. Expansion compensator for large angular movements. 3,842,865, 10-22-74, Cl. 138-121.000.
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Alling, Richard L., 3,787,104.
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Bowen, Willard L., 3,834,772.
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Fazzani, Raymond John, 3,788,116.
Herpich, William M., 3,839,931.
Iffland, Roger L., 3,849,853.
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Torsch, Charles E., to GTE Sylvania Incorporated. Winding crown for inline gun deflection yoke. 3,835,426, 9-10-74, Cl. 335-210.000.
Torsch, Charles Edward, to GTE Sylvania Incorporated. Toroidal yoke for television cathode ray tube. 3,783,424, 1-1-74, Cl. 335-210.000.
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Toscan, Richard E. Sailboat racing calculator. 3,804,057, 4-16-74, Cl. 116-133.000.
Toscano, Catherine M. Solution for treatment of hair and scalp. 3,809,747, 5-7-74, Cl. 424-70.000.
Toscano, Esteban J.: *See—*
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Toth, Dwight B.; Toth, William G.; and Lees, Alan B. Self-contained liquid detector. 3,818,468, 6-18-74, Cl. 340-224.000.
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Toth, Istvan, to Sandoz Ltd. Nitration of anthraquinone. 3,836,547, 9-17-74, Cl. 260-369.000.
Toth, Ivan, to Csepeli Szerszamgepgyar. Method and construction for increasing the service life of rolling screw mechanism with double-nut prestress. 3,847,033, 11-12-74, Cl. 74-459.000.
Toth, James M.; and Judd, Tyler W., to Republic Steel Corporation. Ultrasonic inspection method and apparatus. 3,791,199, 2-12-74, Cl. 73-67.900.
Toth, John E.; and Grant, Arthur G. Small parts feeder system. 3,795,307, 3-5-74, Cl. 198-218.000.
Toth, Julius; and Walker, Edward M., to Westinghouse Electric Corporation. Thermoplastic sealed-sheath covering upon electrical bus-bar conductors. 3,816,171, 6-11-74, Cl. 117-212.000.
Toth, Louis R.; Hagler, Ray, Jr.; and Keller, Orville F., to California Institute of Technology. Full flow fluid filter. 3,827,568, 8-6-74, Cl. 210-448.000.
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Toth, Steve, to Ford Motor Company. Valve stem oil seal and lubricator. 3,788,295, 1-29-74, Cl. 123-188.00p.
Toth, Tibor Endre, to Union Carbide Corporation. Magnetically controlled power supply having pulsating output current control. 3,813,594, 5-28-74, Cl. 321-18.000.
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Toti, Andrew J. Structural unit. 3,789,563, 2-5-74, Cl. 52-731.000.
Toti, Andrew J. Row crop harvesting machine. 3,827,222, 8-6-74, Cl. 56-330.000.
Toti, Andrew J. Apparatus for forming a structural unit. 3,840,960, 10-15-74, Cl. 29-200.00b.
Totino, Peter J., to McGraw-Edison Company. Endless loop tape-recording having single capstan bi-directional drive and tape run above recording station. 3,805,287, 4-16-74, Cl. 360-62.000.
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Toulis, William J.; and King, Douglas A., to Rockwell International Corporation. Underwater sound detection. 3,854,116, 12-10-74, Cl. 340-8.001.
Toulson, Ronald Garnett; and Nix, Ronald George, to South Seas International (NZ) Limited. Building structures. 3,841,040, 10-15-74, Cl. 52-92.000.
Toumaala, Jorma Aarne Kullervo, to A. Ahlstrom Osakeyhtio. Apparatus for outside cleaning of boiler tubes. 3,835,817, 9-17-74, Cl. 122-379.000.
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Tourneur, Roger, to Societe Anonyme D.B.A. Disc brake caliper and friction pad mounting structure. 3,848,709, 11-19-74, Cl. 188-73.300.
Tournier, Christian Yves; and Buzy-Debat, Jean Marie C. S., to International Standard Electric Corporation. Safety device. 3,833,890, 9-3-74, Cl. 340-172.500.
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Towne, Richard C.; and Stalcup, Johnnie V. Heavy duty marine anchor. 3,783,815, 1-8-74, Cl. 114-208.00r.
Towner, Frank Richard, to Sperry Rand Limited. Data acquisition and recording systems. 3,783,197, 1-1-74, Cl. 179-100.20z.
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Towns, Marion L., to Honeywell Information Systems, Inc. Apparatus for deskewing data signals in a multi-track recording system. 3,789,400, 1-29-74, Cl. 340-174.10b.
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Tozaki, Kaoru, to Kabushiki Kaisha Yunaisu. Boost charger. 3,840,796, 10-8-74, Cl. 320-21.000.

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Trabbic, Gerald W.; Dunn, Wayne C.; and Hakes, Paul E., to Eaton Corporation. Hydrostatic transmission. 3,831,497, 8-27-74, Cl. 91-497.000.

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Traber, Walter; Hambock, Heinz; and Weiss, Anton George, to Ciba-Geigy Corporation. O,N-diphenylthiocarbamic acid esters. 3,790,615, 2-5-74, Cl. 260-455.00a.

Traber, Walter; Hambock, Heinz; and Weiss, Anton Georg, to Ciba-Geigy Corporation. Control of microorganisms with O,N-diphenylcarbamic acid esters. 3,846,555, 11-5-74, Cl. 424-300.000.

Trabocco, Ronald E.; and De Luccia, John J., to United States of America, Navy. Titanium-beryllium reinforced matrices. 3,847,558, 11-12-74, Cl. 29-191.400.

Trace, Inc.: *See*—
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Tracey, Donald John, Jr.: *See*—
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Traenckner, Hans-Joachim; Rudolph, Hans; Rosenkranz, Hans Jurgen; Fuhr, Karl; and Patheiger, Manfred, to Bayer Aktiengesellschaft. Highly reactive unsaturated polyester resin compositions which contain acrylamide-methylol-ethers and can be cured by UV-ligh. 3,856,644, 12-24-74, Cl. 204-159.150.
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Tragesser, Charles W.; and Perulfi, John R., to Westinghouse Electric Corporation. EHV rain-shield and voltage grading ring for high-voltage equipment. 3,832,482, 8-27-74, Cl. 174-141.00r.
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Traisnel, Pierre, to Societe des Procedes Modernes d'Injection Sopromi. Electronic fuel injection control devices for internal combustion motors. 3,812,830, 5-28-74, Cl. 123-32.0ea.
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Trammell, Earl M., Jr. Litter container in an automobile seat assembly. 3,815,799, 6-11-74, Cl. 224-42.42a.
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Trapani, Simon J. Metal patching plate and method of applying the same to damaged surfaces. 3,850,718, 11-26-74, Cl. 156-94.000.
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Trask, Walter H.; and Dixon, Jack, to Riggers Manufacturing Company. Floating ring coupler. 3,834,182, 9-10-74, Cl. 64-9.00r.
Traskos, Richard T., to Lith-Kem Corporation. Printing plate and method of making the same. 3,837,858, 9-24-74, Cl. 96-75.000.
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Trauger, Ronald L.; and Zarembka, Robert L., to Goodyear Tire & Rubber Company, The. Carbon disk processing technique to retard oxidation. 3,794,509, 2-26-74, Cl. 117-4.000.
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Treace, James T., to Richards Manufacturing Company. Cutting blade for use with an oscillating cutting device. 3,852,881, 12-10-74, Cl. 30-92.000.
Treace, John R., to Richards Manufacturing Company. Balanced suspension sling. 3,843,979, 10-29-74, Cl. 5-327.000.
Treacle, Dennis L. Enterostomy drainage appliance. 3,841,332, 10-15-74, Cl. 128-283.000.
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Treadwell, Leo E. Spring trap setter. 3,800,463, 4-2-74, Cl. 43-97.000.
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Treat, Clara A. Patient positioning device. 3,829,914, 8-20-74, Cl. 5-81.00r.
Treat, Lyle G.; and Hart, Porter, to Dow Chemical Company, The. Separating tramp oils from oil-in-water emulsions. 3,802,917, 4-9-74, Cl. 134-10.000.
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Trebillon, Emile, to Produits Chimiques Pechiney-Saint-Gobain. Process for preparing vinyl chloride based telomers and cotelomers of low molecular weight. 3,843,734, 10-22-74, Cl. 260-653.10t.
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Tregear, Geoffrey William; Catt, Kevin John; and Niall, Hugh David, to Imperial Chemical Industries of Australia and New Zealand Limited. Process for preparing peptides or proteins. 3,795,664, 3-5-74, Cl. 260-112.500.
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Trevoy, Lloyd Woodbury; Greenfield, Jeremy; Bigland, Christopher Hedley; Milligan, James Douglas; and Moisey, John Roman. Prevention of foot rot. 3,821,412, 6-28-74, Cl. 424-342.000.
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Triggiani, Leonard V.; and Sanchez, Moises G., to Grace, W. R., & Co. Process for preparing multi-component nuclear fuels. 3,789,013, 1-29-74, Cl. 252-301.10s.
Triggiani, Leonard Vincent; Sanchez, Moises Gali; and Ashby, George Elliott, to Grace, W. R., & Co. Nuclear reactory fuel plate. 3,855,061, 12-17-74, Cl. 176-75.000.
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Trimble, Lester B.; and Sopinski, Zygmunt J., to Jo-Line Tools, Inc. Torque wrench. 3,788,132, 1-29-74, Cl. 73-139.000.
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Trimble, Robert C. Decorative and safety attachment for spoke wheels. 3,834,765, 9-10-74, Cl. 301-37.00r.
Trimble, Robert M.; and Brouwer, Nicolaas L., to Aluminum Company of America. System for detecting openings in opaque objects. 3,826,923, 7-30-74, Cl. 250-572.000.
Trimmer, Paul A.; and Cirule, Fred M. Security system for securing an article against unauthorized removal. 3,851,503, 12-3-74, Cl. 70-58.000.
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Trinca, Celio C., to Honeywell Information Systems Italia. Pulse generator. 3,793,591, 2-19-74, Cl. 328-34.000.
Trine, Joseph, to Elphiac. Induction heating device. 3,849,625, 11-19-74, Cl. 219-10.790.
Tringali, Dominick: *See—*
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Tringali, Dominick; and Dillard, John W., to Universal Business Machines, Incorporated. Time recorder. 3,793,641, 2-19-74, Cl. 346-82.000.
Tringali, Dominick; and Dillard, John W., to Universal Business Machines, Incorporated. Print element lifting assembly for a time recorder. 3,825,937, 7-23-74, Cl. 346-141.000.
Tringali, Dominick; and Dillard, John W., to Universal Business Machines, Incorporated. Time recorder. 3,836,915, 9-17-74, Cl. 346-104.000.
Tringali, Dominick; and Dillard, John W., to Universal Business Machines Incorporated. Time recorder. 3,849,783, 11-19-74, Cl. 346-134.000.
Tringali, Donald: *See—*
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Trinity Industries, Inc.: *See—*
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Trio Electronics, Incorporated: *See—*
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Triodina, Nina Sergeevna: *See—*
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Triolo, Rocco P., to Scott Paper Company. Light-stable polyurethane foam formed by reaction of a polyol and a mixture of aromatic and aliphatic polyisocyanates. 3,790,508, 2-5-74, Cl. 260-2.5at.
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Tripathi, Krishna Chandra, to Alcan Research and Development Limited. Process for control of lubricants in an aluminum rolling mill. 3,783,664, 1-8-74, Cl. 72-42.000.
Triple J., Inc.: *See—*
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Triple-S Development Co., Inc.: *See—*
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Triplett, Arthur L., to Driver's Dream, Inc. Windshield cleaner dispenser. 3,803,664, 4-16-74, Cl. 15-250.030.
Triplett Corporation: *See—*
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Triplett, Lee, to Expando Products Company. Fastener tool. 3,850,055, 11-26-74, Cl. 81-52.40a.
Triplett, Lee Magna; and Peterson, Wilmer R., to Expando Products Company. Fastener. 3,834,270, 9-10-74, Cl. 85-70.000.
Triplett, Lloyd M. Grain treating operations. 3,833,749, 9-3-74, Cl. 426-450.000.
Triplex Safety Glass Company Limited: *See—*
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Cleminson, Frederick Antony; and Ariss, Brian Arthur, 3,832,714.
Kay, Soloman Elijah; and Pickard, John, 3,854,920.
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Tripodi, Theodore. Electric fish scaler. 3,835,504, 9-17-74, Cl. 17-66.000.
Tripp, Donald E.: *See—*
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Tripp, Robert W., to Inductosyn Corporation. Pulse train conversion system. 3,796,961, 3-12-74, Cl. 328-61.000.
Tripp, Robert W., to Inductosyn Corporation. Scalar multiplier. 3,840,724, 10-8-74, Cl. 235-92.0dm.
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Tripsas, Trifon P., to GTE Automatic Electric Laboratories, Incorporated. Trunk circuit number parity checking. 3,829,628, 8-13-74, Cl. 179-175.20r.
Triquet, Christian: *See—*
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Trish Energetics, Inc.: *See—*
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Triska, Matej K. High-wire simulation toy. 3,802,119, 4-9-74, Cl. 46-130.000.
Triska, Matej K. Interlocking scraw and driver. 3,825,048, 7-23-74, Cl. 145-50.00e.
Triska, Ralph. Self-rocking doll. 3,837,113, 9-24-74, Cl. 46-116.000.
Triska, Vojtech: *See—*
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Tristram, Edward W.; and ten Broeke, Jan, to Merck & Co., Inc. Dehalogenation of dihalo-5H-dibenzocycloheptenones using chromoun chloride. 3,836,585, 9-17-74, Cl. 260-590.000.
Triumph International Aktiengesellschaft: *See—*
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Trivedi, Mayukh Trigunshankar, to Western Electric Company, Incorporated. Method of bonding using an infrared heating lamp. 3,804,691, 4-16-74, Cl. 156-272.000.
Trivette, Chester D., Jr.; and Vander Kooi, John P., to Monsanto Company. Method for vulcanizing rubber with bis-sulfenamide accelerators. 3,847,880, 11-12-74, Cl. 260-79.50b.
Trocciola, John C.; and Walsh, Myles A., III, to United Aircraft Corporation. Fuel cell with gas separator. 3,847,672, 11-12-74, Cl. 136-86.00c.
Trocino, Frank S. Method of extracting wax from bark. 3,789,058, 1-29-74, Cl. 260-412.800.
Trocqueme, Francois Jean, to Entreprise de Recherches d'Activites Petrolieres Elf. Device for the automatic adjustment of the amplitude of signals. 3,828,262, 8-6-74, Cl. 328-175.000.
Trodyne Corporation: *See—*
Notvest, Kenneth R., 3,824,377.
Troeger, Henry, to Bendix Corporation, The. Method of making a flexural pivot. 3,807,029, 4-30-74, Cl. 29-436.000.
Troeger, Henry, to Bendix Corporation, The. Eccentric flexural pivot. 3,813,089, 5-28-74, Cl. 267-160.000.
Troeger, Henry, to Bendix Corporation, The. Method of making an eccentric flexural pivot. 3,825,992, 7-30-74, Cl. 29-436.000.
Troemel, Richard J.; and Uechi, Francis Y., to GTE Automatic Electric Laboratories Incorporated. Calling party control circuit. 3,830,985, 8-20-74, Cl. 179-81.00r.
Troemel, Richard J.; and Zimmermann, Joseph James, to GTE Automatic Electric Laboratories, Incorporated. Transcribing device. 3,844,566, 10-29-74, Cl. 274-9.00r.
Troester, Thomas F.; and Rike, Russell E., to Dayton-Walther Corporation. Disk type brake. 3,835,961, 9-17-74, Cl. 188-71.900.
Trofimenko, Swiatoslaw, to Du Pont de Nemours, E. I., and Company. Alkoxy pyrazolylalkanes. 3,808,228, 4-30-74, Cl. 260-310.00r.
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Trogdon, Ray L., to Owens-Illinois, Inc. Split-sustainer operation for gaseous discharge display panels. 3,792,311, 2-12-74, Cl. 315-169.0tv.
Trogdon, Ray L., to Owens-Illinois, Inc. Diode-resistor addressing apparatus and method for gaseous discharge panels. 3,803,450, 4-9-74, Cl. 315-169.0tv.
Trogdon, Ray L., to University of Illinois Foundation. Method for reliably lighting cells in a plasma display panel. 3,854,072, 12-10-74, Cl. 315-169.00r.
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Troiani, Charles; and Tolzman, Gary L., to Honeywell Information Systems, Inc. Sense amplifier threshold tester. 3,845,401, 10-29-74, Cl. 330-2.000.
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Troiano, Daniel A. Floatable safety cover for swimming pools. 3,813,704, 6-4-74, Cl. 4-172.130.
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Trojan Luggage Company, The: *See—*
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Troje, Gerald J.; Schiavone, Edward L.; and Pinzone, Joseph A. Optical system for panoramic projection. 3,822,936, 7-9-74, Cl. 353-99.000.
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Tromans, Keith, to Lucas, Joseph, (Electrical) Limited. Ignition distributor housing and resiliently attached distributor base plate. 3,794,795, 2-26-74, Cl. 200-293.000.
Trombe, Felix; and Michel, Jacques, to Agence Nationale de Valorisation de la Recherche (ANVAR). Naturally air-conditioned dwellings. 3,832,992, 9-3-74, Cl. 126-270.000.
Tromblee, Jon D., to Whirlpool Corporation. Siphoned vortex liquid dispenser for automatic washers. 3,798,932, 3-26-74, Cl. 68-17.00r.
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Trombly, John E.; and Bender, Warren G., to Telecommunication Engineering Corporation. Multiplexing circuit. 3,786,473, 1-15-74, Cl. 340-311.000.
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Tromp, Henricus: *See—*
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Tronc, Dominique; and Leboutet, Hubert, to Thomson-CSF. Device for bunching the particles of a beam, and linear accelerator comprising said device. 3,784,873, 1-8-74, Cl. 315-5.41.000.
Tronche, Pierre A., to Ferlux. Organic salts of chromone-carboxylic-2-acids. 3,816,470, 6-11-74, Cl. 260-345.200.
Tronconi, Alterto: *See—*
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Troncoso, Fernando, Jr. Archery bow string release device. 3,800,774, 4-2-74, Cl. 124-35.00a.
Tronzo, Raymond G. Bone implant with porous exterior surface. 3,808,606, 5-7-74, Cl. 3-1.000.
Tronzo, Raymond G. Acetabular cup prosthesis. 3,840,904, 10-15-74, Cl. 3-1.000.
Tronzo, Raymond G. Prosthesis for femoral shaft. 3,843,975, 10-29-74, Cl. 3-1.000.
Tropeano, Joseph C.; and Tropeano, Philip L. Apparatus for snow making. 3,831,844, 8-27-74, Cl. 239-14.000.
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Tropp, Karl; Durth, Wilfried; and Jakob, Heinrich, to Burger Eisenwerke Aktiengesellschaft. Food-treatment apparatus with grease-collection hood for air circulator. 3,827,346, 8-6-74, Cl. 99-446.000.
Trosch, Charles P. Portable broiler. 3,832,990, 9-3-74, Cl. 126-41.00r.
Trosch, Paul, to Fischer, Georg, Aktiengesellschaft. Remotely or manually operable membrane valve. 3,802,462, 4-9-74, Cl. 137-556.000.
Trosclair, Hayes J. Propeller hitch device. 3,793,979, 2-26-74, Cl. 115-5.00r.
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Troster, Helmut, to Hoechst Aktiengesellschaft. Benzoxanthene and benzothioxanthene dyestuffs. 3,853,884, 12-10-74, Cl. 260-287.00r.
Trostler, Richard M. Heater control system. 3,819,905, 6-25-74, Cl. 219-501.000.
Trostyanskaya, Elena Borisovna; Komarov, German Vyacheslavovich; and Tsarakhov, Jury Sergeevich. Method of chemical bonding of polyimide polymers. 3,821,054, 6-28-74, Cl. 156-308.000.
Trotel, Jacques; and Sigelle, Robert, to Thomson-CSF. Electronic devices for the programmed tracing of patterns. 3,816,719, 6-11-74, Cl. 235-151.000.
Trotel, Jacques; Guillot, Georges; and Fay, Bernard, to Thomson-CSF. Motor control for the production of masks for subminiaturised circuits. 3,843,916, 10-22-74, Cl. 318-640.000.
Trott, Clarence Robert, to Deere & Company. Rear-mounted blade. 3,820,609, 6-28-74, Cl. 172-447.000.
Trott, David H., to Burns Investment Corporation. Incinerator. 3,791,319, 2-12-74, Cl. 110-18.00r.
Trotta, Edward. Support assembly for collapsible bags. 3,796,402, 3-12-74, Cl. 248-97.000.
Trotta, Michael. Control unit for selectively controlling direction of current. 3,808,484, 4-30-74, Cl. 318-467.000.
Trotta, Michael. Mechanical data memory device having helicoid data cards and programming means therefor. 3,814,906, 6-4-74, Cl. 235-61.12r.
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Trotter, Ursus; and Trotter, Albin. Control means for liquid heater. 3,806,026, 4-23-74, Cl. 236-23.000.
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Troue, Harden Henry, to Union Carbide Corporation. Method and apparatus for increasing the useful life of a quartz envelope in a high power light source. 3,851,202, 11-16-74, Cl. 313-221.000.
Trouilhet, Maurice Marie Achille, to SEB S.A. Small-sized linen ironing machine. 3,855,717, 12-24-74, Cl. 38-60.000.
Trout, Donald M. Automatically-locking positively-unlocked sash balance. 3,797,168, 3-19-74, Cl. 49-181.000.
Trout, Horace I. Massaging machine. 3,812,846, 5-28-74, Cl. 128-5.700.
Troutman, Bruce L., to Rockwell International Corporation. Threshold circuit. 3,848,236, 11-12-74, Cl. 340-173.00r.
Troutman, James D.: *See—*
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Troutman, Ronald Roy, to International Business Machines Corporation. Method for making self-aligning structure for charge-coupled and bucket brigade devices. 3,810,795, 5-14-74, Cl. 148-187.000.
Troutner, Arthur L., to Trus Joist Corporation. Laminated, variable density, structural wood products and method for making the same. 3,813,842, 6-4-74, Cl. 52-693.000.
Troutner, Arthur L.; Russell, John R.; Johnson, Alan W.; and Johnson, Clifford R., to Trus Joist Corporation. Apparatus for assembling glue-coated wood veneer sheets into a continuous linearly extending stack. 3,841,945, 10-15-74, Cl. 156-538.000.
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Troy, Joseph C., to NUS Corporation. Device to dampen fluctuations in the concentration of a substance in a flowing stream of fluid. 3,857,551, 12-31-74, Cl. 259-4.000.
Troy, Michael K., to Reliable Electric Company. Cable sheath and ready access closure including a cable sheath. 3,846,575, 11-5-74, Cl. 174-41.000.
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Troy, Walter C., to Rohr Corporation. Recuperator and method of making. 3,782,457, 1-1-74, Cl. 165-165.000.
Troy, Walter Charles, to AMSTED Industries Incorporated. Method of cooling a spherical object. 3,783,042, 1-1-74, Cl. 148-153.000.
Troyer, Richard Lloyd; and Rohweder, Theodore Richard; to Raab, Ronald Buxton and Johns-Manville Corporation. Apparatus for the method of winding strip products. 3,822,836, 7-9-74, Cl. 242-66.000.
Troyer, Wade E.; and Wildenthaler, Leo E., to Hobart Brothers Company. Fume extracting welding gun nozzle. 3,798,409, 3-19-74, Cl. 219-130.000.
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Truax, Robert L. Antenna insulation failure detector. 3,852,734, 12-3-74, Cl. 340-253.00a.
Trub, Jean: *See—*
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Trub, Jean; Kneller, Klaus; and Gregoire, Jean-Francois, to Schweizerische Industrie-Gesellschaft. Apparatus for use in the manufacture of a tubular film from plastic material. 3,810,725, 5-14-74, Cl. 425-72.000.
Trubiano, Antoine. Nestable car order cart. 3,834,724, 9-10-74, Cl. 280-33.99h.
Trubin, Anatoly Petrovich: *See—*
Vrugov, Jury Dmitrievich; Danyaev, Vladimir Egorovich; Trubin, Anatoly Petrovich; and Sinichkin, Sergei Gavrilovich, 3,828,647.
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Truda, Robert J.: *See—*
Hatcher, Herbert J.; Truda, Robert J.; Lechner, Thomas G.; and McDuff, Charles R., 3,824,184.
True Data Corporation: *See—*
McKee, James W., 3,847,382.
True Distance, Inc.: *See—*
Andrews, Charles L., Jr., 3,805,411.
True, Harry Edward, to Harrico Developments Limited. Apparatus for printing on textile fabric. 3,788,106, 1-29-74, Cl. 18-5.00d.
True, Martin E., to Esso Production Research Company. Wireline operated safety valve system. 3,791,445, 2-12-74, Cl. 166-72.000.
True Pitch, Inc.: *See—*
Goeders, John J., 3,837,646.
True Temper Corporation: *See—*
Davis, Robert T., 3,846,910.
Fee, Graham M., 3,844,556.
True, Thomas T.; and Bates, William C., to General Electric Company. Light valve projector with reduced cross-coupling between colors. 3,806,636, 4-23-74, Cl. 178-5.4bd.
Trueb, Viktor: *See—*
Weick, Heinz Hermann; Trueb, Viktor; and Hesener, Walter, 3,813,275.
Truelove, Edward L., Sr. Bleeding tool for hydraulic brake cylinder. 3,809,359, 5-7-74, Cl. 251-148.000.
Truelove, James E.: *See—*
Hussain, Anwar; and Truelove, James E., 3,809,714.
Hussain, Anwar; and Truelove, James E., 3,839,584.
Hussain, Anwar A.; and Truelove, James E., 3,825,583.
Truesdale, Herbert W.: *See—*
Haslam, Harry; Massetti, Giulio; and Truesdale, Herbert W., 3,794,378.
Truesdale, Robert Andrew; and Buchanan, John Gordon, to JWI Ltd. Spreader shower for fabric belts of paper making apparatus. 3,830,691, 8-20-74, Cl. 162-273.000.
Truhan, Andrew. Surgical aspirating cannula. 3,810,471, 5-14-74, Cl. 128-276.000.
Trui, Josef; Riesenber, Klaus-Otto; and Schwerin, Inge, to Bosch, Robert, G.m.b.H. Fluid operated safety brake system. 3,833,269, 9-3-74, Cl. 303-21.00f.
Truica, Vasile: *See—*
Coanda, Henry; Aldea, Gheorghe; Bodea, Ion; Truica, Vasile; Hanciulescu, Valentin; Posirca, Radu; Lazar, Cristian; and Gabor, Iacob, 3,784,325.
Truitt, Robert B.: *See—*
Hunter, Richard F.; and Truitt, Robert B., 3,825,148.
Wilkinson, Robert E.; Truitt, Robert B.; Hunter, Richard P.; and Bennett, Ronald E., 3,801,727.
Truitt, Rolland D. Aircraft collision avoidance system. 3,820,064, 6-25-74, Cl. 340-25.000.
Trullas, Isidro Folch, to Argelich, Termes y C^a. Sociedad Anonima. Apparatus for the wet treatment of cloths. 3,837,187, 9-24-74, Cl. 68-15.000.
Trulsson, Nils Olof; and Lagos, Dickens Mario, to Standard Paint & Varnish Company. Coating composition having polymeric siloxane binder and dispersed filler. 3,804,639, 4-16-74, Cl. 106-1.000.
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Park, Marvin C., 3,806,982.
Truman, Norman Nathan: *See—*
Cuttell, Willis Robert; and Truman, Norman Nathan, 3,856,557.
Trumble, Terry M. Ultraviolet radiation dosimeter. 3,787,687, 1-22-74, Cl. 250-83.0cd.
Trumble, William P., to Sherwood Medical Industries, Inc. Suture. 3,847,156, 11-12-74, Cl. 128-335.500.
Trumper, Joachim: *See—*
Bagge, Erich; Trumper, Joachim; and Knaak, Joachim, 3,787,682.
Trumpf & Co.: *See—*
Herb, Eugen, 3,816,904.
Trumpf & Co., Firma: *See—*
Leibinger, Berthold, 3,828,432.
Trumpf Maschinen AG, Firma: *See—*
Bitzel, Hubert, 3,847,049.
Trumpler, Theodor. Leg prosthesis with resiliently mounted stump socket. 3,784,988, 1-15-74, Cl. 3-18.000.
Trumpler, William E., Jr., to Westinghouse Electric Corporation. Vibration dampening for long twisted turbine blades. 3,795,462, 3-5-74, Cl. 416-196.000.
Trunnell, Harold K. Irrigation pipe mover. 3,800,820, 4-2-74, Cl. 137-344.000.
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Truran, Karl: *See—*
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Troutner, Arthur L.; Russell, John R.; Johnson, Alan W.; and Johnson, Clifford R., 3,841,945.
Truscelli, Peter J.; and Provasnik, Robert, to Siemens Corporation. Apparatus for loading and unloading a head assembly in a data storage system. 3,855,622, 12-17-74, Cl. 360-103.000.
Trushin, Jury Petrovich: *See—*
Andreev, Sergei Vasilievich; Leibenzon, Mikhail Grigorievich; Trushin, Jury Petrovich; and Luzgin, Mikhail Sergeevich, 3,847,113.
Truskalo, Walter, to Philco-Ford Corporation. High voltage regulators. 3,819,979, 6-25-74, Cl. 315-29.000.
Truskanov, David Matveevich; Brunin, Kirill Rudolfovich; and Ratner, Lev Semenovich. Transmitting stacked aerial. 3,829,864, 8-13-74, Cl. 343-833.000.
Trusov, Sergei Mikhailovich. Hydraulic torque converter. 3,797,243, 3-19-74, Cl. 60-361.000.
Trussell, Donald H.: *See—*
Trussell, Donald H.; and Surette, Philip A. (said Surette assor. to said), 3,811,284.
Trussell, Donald H.; and Surette, Philip A., said Surette assor. to said Trussell, Donald H. Control system. 3,811,284, 5-21-74, Cl. 60-533.000.
Trussell, Gerald C., to Sun Electric Corporation. Select signal engine diagnosing apparatus. 3,788,129, 1-29-74, Cl. 73-116.000.
Trusselle, William H., to Pneumatic Scale Corporation. Control for container filling machine. 3,783,913, 1-8-74, Cl. 141-46.000.
Trust Ceskoslovenskeho prumyslu dusikarenskeho Praha: *See—*
Vosolsobe, Jan; Dohnalek, Rudolf; Kadlec, Bohumil; Michalek, Jiri; Simecek, Antonin; Cap, Miroslav; and Novak, Miroslav, 3,853,790.
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Truswal Systems, Inc.: *See—*
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Truswell, Laurence Derrick: *See—*

Troje, Gerald J.: *See—*
Pinzone, Joseph A.; Troje, Gerald J.; and Schiavone, Edward L., 3,846,809.
Troje, Gerald J.; Schiavone, Edward L.; and Pinzone, Joseph A. Optical system for panoramic projection. 3,822,936, 7-9-74, Cl. 353-99.000.
Trola-Kunststoffer-Zeugnisse GmbH & Co.: *See—*
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Trolle, Sten: *See—*
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Von Platen, Baltzar; Jonsson, Einn Lennart; and Trolle, Sten, 3,783,775.
Tromans, Keith, to Lucas, Joseph, (Electrical) Limited. Ignition distributor housing and resiliently attached distributor base plate. 3,794,795, 2-26-74, Cl. 200-293.000.
Trombe, Felix; and Michel, Jacques, to Agence Nationale de Valorisation de la Recherche (ANVAR). Naturally air-conditioned dwellings. 3,832,992, 9-3-74, Cl. 126-270.000.
Tromblee, Jon D., to Whirlpool Corporation. Siphoned vortex liquid dispenser for automatic washers. 3,798,932, 3-26-74, Cl. 68-17.00r.
Trombley, Bertrand N.: *See—*
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Trombly, John E.; and Bender, Warren G., to Telecommunication Engineering Corporation. Multiplexing circuit. 3,766,473, 1-15-74, Cl. 340-311.000.
Tromborg, Erik T.: *See—*
Harris, William A.; Schluter, Bernard C.; and Tromborg, Erik T., 3,835,328.
Schluter, Bernard C.; and Tromborg, Erik T., 3,851,520.
Tromovitch, Theodore A. Portable cryosurgical apparatus. 3,823,718, 7-16-74, Cl. 128-303.100.
Tromp, Henricus: *See—*
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Tronc, Dominique; and Leboutet, Hubert, to Thomson-CSF. Device for bunching the particles of a beam, and linear accelerator comprising said device. 3,784,873, 1-8-74, Cl. 315-541.000.
Tronche, Pierre A., to Ferlux. Organic salts of chromone-carboxylic-2-acids. 3,816,470, 6-11-74, Cl. 260-345.200.
Tronconi, Alterto: *See—*
Marchetti, Gianfranco; and Tronconi, Alterto, 3,796,894.
Troncoso, Fernando, Jr. Archery bow string release device. 3,800,774, 4-2-74, Cl. 124-35.00a.
Tronzo, Raymond G. Bone implant with porous exterior surface. 3,808,606, 5-7-74, Cl. 3-1.000.
Tronzo, Raymond G. Acetabular cup prosthesis. 3,840,904, 10-15-74, Cl. 3-1.000.
Tronzo, Raymond G. Prosthesis for femoral shaft. 3,843,975, 10-29-74, Cl. 3-1.000.
Tropeano, Joseph C.; and Tropeano, Philip L. Apparatus for snow making. 3,831,844, 8-27-74, Cl. 239-14.000.
Tropeano, Philip L.: *See—*
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Tropel, Inc.: *See—*
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Tropicana Products, Inc.: *See—*
Rossi, Anthony T., 3,856,171.
Tropp, Karl; Durth, Wilfried; and Jakob, Heinrich, to Burger Eisenwerke Aktiengesellschaft. Food-treatment apparatus with grease-collection hood for air circulator. 3,827,346, 8-6-74, Cl. 99-446.000.
Trosch, Charles P. Portable broiler. 3,832,990, 9-3-74, Cl. 126-41.00r.
Trosch, Paul, to Fischer, Georg, Aktiengesellschaft. Remotely or manually operable membrane valve. 3,802,462, 4-9-74, Cl. 137-556.000.
Trosclair, Hayes J. Propeller hitch device. 3,793,979, 2-26-74, Cl. 115-5.00r.
Troshkin, Ivan Andreevich: *See—*
Alexandrovich, Eduard-Gely Vitalievich; Belkin, Nikolai Vasilievich; Zelensky, Konstantin Fedorovich; Kanunov, Mikhail Alexeevich; Razin, Anatoly Alexandrovich; Tarasova, Ljudmila Viktorovna; Toropov, Anatoly Pavlovich; Troshkin, Ivan Andreevich; Khudyakov, Ljubov Nikolaevna; Tsukerman, Veniamin Aronovich; Dron, Ninel Alexeevna; Sloeva, Galina Nikolaevna; Ioffe, Jury Konstantinovich; and Vasiliev, Vasily Vasilievich, 3,821,580.
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Senning, Alexander; Buchholt, Hans Christian; Bierling, Robert; Steinhoff, Dieter; and Trossmann, Gerhard, 3,798,222.
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Senning, Alexander; Buchholt, Hans Christian; Bierling, Robert; Steinhoff, Dieter; and Trossmann, Gerhard, 3,852,447.
Trostad, per Olof, to Seasafe Transport AB. Planing watercraft. 3,803,653, 4-16-74, Cl. 9-310.00c.
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Merkle, Kurt; Fuchs, Otto; Troster, Helmut; and Noetzel, Siegfried, 3,812,051.
Troster, Helmut, to Hoechst Aktiengesellschaft. Benzoxanthene and benzothioxanthene dyestuffs. 3,853,884, 12-10-74, Cl. 260-287.00r.
Trostler, Richard M. Heater control system. 3,819,905, 6-25-74, Cl. 219-501.000.
Trostyanskaya, Elena Borisovna; Komarov, German Vyacheslavovich; and Tsarakhov, Jury Sergeevich. Method of chemical bonding of polyimide polymers. 3,821,054, 6-28-74, Cl. 156-308.000.
Trotel, Jacques; and Sigelle, Robert, to Thomson-CSF. Electronic devices for the programmed tracing of patterns. 3,816,719, 6-11-74, Cl. 235-151.000.
Trotel, Jacques; Guillot, Georges; and Fay, Bernard, to Thomson-CSF. Motor control for the production of masks for subminiaturised circuits. 3,843,916, 10-22-74, Cl. 318-640.000.
Trott, Clarence Robert, to Deere & Company. Rear-mounted blade. 3,820,609, 6-28-74, Cl. 172-447.000.
Trott, David H., to Burns Investment Corporation. Incinerator. 3,791,319, 2-12-74, Cl. 110-18.00r.
Trotta, Edward. Support assembly for collapsible bags. 3,796,402, 3-12-74, Cl. 248-97.000.
Trotta, Michael. Control unit for selectively controlling direction of current. 3,808,484, 4-30-74, Cl. 318-467.000.
Trotta, Michael. Mechanical data memory device having helicoid data cards and programming means therefor. 3,814,906, 6-4-74, Cl. 235-61.12r.
Trotter, Albin: *See—*
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Trotter, Ursus; and Trotter, Albin. Control means for liquid heater. 3,806,026, 4-23-74, Cl. 236-23.000.
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Troue, Harden Henry, to Union Carbide Corporation. Apparatus for irradiation of a moving product in an inert atmosphere. 3,807,052, 4-30-74, Cl. 34-1.000.
Troue, Harden Henry, to Union Carbide Corporation. Method and apparatus for increasing the useful life of a quartz envelope in a high power light source. 3,851,202, 11-16-74, Cl. 313-221.000.
Trouilhet, Maurice Marie Achille, to SEB S.A. Small-sized linen ironing machine. 3,855,717, 12-24-74, Cl. 38-60.000.
Trout, Donald M. Automatically-locking positively-unlocked sash balance. 3,797,168, 3-19-74, Cl. 49-181.000.
Trout, Horace I. Massaging machine. 3,812,846, 5-28-74, Cl. 128-5.700.
Troutman, Bruce L., to Rockwell International Corporation. Threshold circuit. 3,848,236, 11-12-74, Cl. 340-173.00r.
Troutman, James D.: *See—*
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Troutman, Ronald Roy, to International Business Machines Corporation. Method for making self-aligning structure for charge-coupled and bucket brigade devices. 3,810,795, 5-14-74, Cl. 148-187.000.
Troutner, Arthur L., to Trus Joist Corporation. Laminated, variable density, structural wood products and method for making the same. 3,813,842, 6-4-74, Cl. 52-693.000.
Troutner, Arthur L.; Russell, John R.; Johnson, Alan W.; and Johnson, Clifford R., to Trus Joist Corporation. Apparatus for assembling glue-coated wood veneer sheets into a continuous linearly extending stack. 3,841,945, 10-15-74, Cl. 156-538.000.
Trow, William H.: *See—*
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Trowbridge, Leonard D. Quick release and adjustable picture frame clamp. 3,849,920, 11-26-74, Cl. 40-155.000.
Troxel Manufacturing Company: *See—*
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Worley, George W., 3,815,953.
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Troxler, Franz: *See—*
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Troy, Joseph C., to NUS Corporation. Device to dampen fluctuations in the concentration of a substance in a flowing stream of fluid. 3,857,551, 12-31-74, Cl. 259-4.000.
Troy, Michael K., to Reliable Electric Company. Cable sheath and ready access closure including a cable sheath. 3,846,575, 11-5-74, Cl. 174-41.000.
Troy Mills, Inc.: *See—*
Parsons, Robert A.; and Guidotti, Alfred E., 3,819,465.
Troy Steel Corporation: *See—*
Menge, Donald C., 3,853,162.
Troy, Walter C., to Rohr Corporation. Recuperator and method of making. 3,782,457, 1-1-74, Cl. 165-165.000.
Troy, Walter Charles, to AMSTED Industries Incorporated. Method of cooling a spherical object. 3,783,042, 1-1-74, Cl. 148-153.000.
Troyer, Richard Lloyd; and Rohweder, Theodore Richard, to Raab, Ronald Buxton and Johns-Manville Corporation. Apparatus for the method of winding strip products. 3,822,836, 7-9-74, Cl. 242-66.000.
Troyer, Wade E.; and Wildenthaler, Leo E., to Hobart Brothers Company. Fume extracting welding gun nozzle. 3,798,409, 3-19-74, Cl. 219-130.000.
Trozzi, Norman K.: *See—*
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TRT, Inc.: *See—*
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Truax, Robert L. Antenna insulation failure detector. 3,852,734, 12-3-74, Cl. 340-253.00a.
Trub, Jean: *See—*
Kneller, Klaus; Trub, Jean; and Gregoire, Francois, 3,827,842.
Trub, Jean; Kneller, Klaus; and Gregoire, Jean-Francois, to Schweizerische Industrie-Gesellschaft. Apparatus for use in the manufacture of a tubular film from plastic material. 3,810,725, 5-14-74, Cl. 425-72.000.
Trubiano, Antoine. Nestable car order cart. 3,834,724, 9-10-74, Cl. 280-33.99h.
Trubin, Anatoly Petrovich: *See—*
Vragov, Jury Dmitrievich; Danyaev, Vladimir Egorovich; Trubin, Anatoly Petrovich; and Sinichkin, Sergei Gavrilovich, 3,828,647.
Trubin, Vladimir Nikolaevich: *See—*
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Trubisky, Michael P., to Xerox Corporation. Surface deformable imaging member of improved dark decay characteristics. 3,819,369, 6-25-74, Cl. 96-1.500.
Truck-Lite Company, Inc.: *See—*
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Truckweld Equipment Co.: *See—*
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Truitt, Robert B.: *See—*
Hunter, Richard F.; and Truitt, Robert B., 3,825,148.
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Trumble, William P., to Sherwood Medical Industries, Inc. Suture. 3,847,156, 11-12-74, Cl. 128-335.500.
Trumper, Joachim: *See—*
Bagge, Erich; Trumper, Joachim; and Knaak, Joachim, 3,787,682.
Trumpf & Co.: *See—*
Herb, Eugen, 3,816,904.
Trumpf & Co., Firma: *See—*
Leibinger, Berthold, 3,828,432.
Trumpf Maschinen AG, Firma: *See—*
Bitzel, Hubert, 3,847,049.
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Trushin, Jury Petrovich: *See—*
Andreev, Sergei Vasilievich; Leibenzon, Mikhail Grigorievich; Trushin, Jury Petrovich; and Luzgin, Mikhail Sergeevich, 3,847,113.
Truskalo, Walter, to Philco-Ford Corporation. High voltage regulators. 3,819,979, 6-25-74, Cl. 315-29.000.
Truskanov, David Matveevich; Brunin, Kirill Rudolfovich; and Ratner, Lev Semenovich. Transmitting stacked aerial. 3,829,864, 8-13-74, Cl. 343-833.000.
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Tsuboi, Masayoshi; Yano, Yasushi; and Suzuki, Yoshiaki, to Fuji Photo Film Co., Ltd. Process of producing ink sheet. 3,824,118, 7-16-74, Cl. 117-36.200.

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Tsuchida, Isamu. Apparatus for detecting and correcting torsion of travelling fabric. 3,813,862, 6-4-74, Cl. 57-1.0un.

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Tsuchihara, Toyoji; Yawaka, Youhei; and Noguchi, Takeshi, to Showa Denko Kabushiki Kaisha. Process of preparing stable aqueous ethylene vinyl ester copolymer emulsions. 3,816,362, 6-11-74, Cl. 260-17.00a.

Tsuchihashi, Genichi; and Ogura, Katsuyuki, to Sagami Chemical Research Center. Method of preparing aldehydes. 3,845,076, 10-29-74, Cl. 260-340.500.

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Tsuchiya, Kazuo; and Usami, Susumu, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Apparatus for detecting pressure distribution. 3,850,034, 11-26-74, Cl. 73-172.000.

Tsuchiya, Mitsuharu; Sato, Teruo; Takeda, Hitoshi; and Yoshiyama, Masami, to Matsushita Electric Industrial Co., Ltd. Scanning apparatus for a matrix display panel. 3,838,209, 9-24-74, Cl. 178-7.30d.

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Tsuchiya, Takeo, to Honda Koki Kabushiki Kaisha and Honda Giken Kogyo Kabushiki Kaisha. Hydraulic grinding method. 3,823,514, 7-16-74, Cl. 51-281.00p.

Tsuchiya, Takuzo, to General Mills, Inc. Method for continuously treating particulate material. 3,833,748, 9-3-74, Cl. 426-447.000.

Tsuchiya, Teruo; Imai, Hisashi; and Motegi, Ryohei, to Tokyo Keiki Co., Ltd. Dog clutch. 3,834,500, 9-10-74, Cl. 192-67.00r.

Tsuchiya, Toru; and Shida, Seiya, to Nippon Electric Company, Limited. Variable equalizer. 3,794,935, 2-26-74, Cl. 333-28.00r.

Tsuchiya, Toshio; and Abe, Atsushi, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle for use on snow, ice or the like. 3,828,872, 8-13-74, Cl. 180-5.00r.

Tsuchiya, Toshio; and Takeuchi, Osamu, to Honda Giken Kogyo Kabushiki Kaisha. Track device for vehicles. 3,848,936, 11-19-74, Cl. 305-35.0eb.

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Tsuchiyasu, Kouichiro, to Minolta Camera Kabushiki Kaisha. Illumination-to-voltage conversion apparatus. 3,843,880, 10-22-74, Cl. 250-206.000.

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Tsuda, Shin; and Hiraga, Ryozo, to Canon Kabushiki Kaisha. Electronic circuit test equipment indicating a plurality of conditions by a plurality of different frequency audible signals. 3,805,155, 4-16-74, Cl. 324-133.000.

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Tsuda, Zenichiro. Direct current ampere-hour meter. 3,808,530, 4-30-74, Cl. 324-117.00r.

Tsuei, Chang C., to United States of America, Atomic Energy Commission. Ductile superconducting alloys. 3,817,746, 6-18-74, Cl. 75-153.000.

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Tsugeki, Toshii: *See—*
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Tsui, Frank; and Tsui, Katherine, to International Business Machines Corporation. Gas discharge display field for multicolor display. 3,790,841, 2-5-74, Cl. 313-108.00b.

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Tsuji, Akio, to Nihon Postal Franker Co., Ltd. Ink printing device for use in drum type line printers. 3,805,696, 4-23-74, Cl. 101-110.000.

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Tsuji, Nobuo; Miyazako, Takushi; Ohkubo, Kinji; and Kato, Kazunobu, to Fuji Photo Film Co., Ltd. Image receiving element for use in photographic silver halide diffusion transfer process. 3,820,999, 6-28-74, Cl. 96-76.00r.

Tsuji, Nobuo; and Hasegawa, Eiichi, to Fuji Photo Film Co., Ltd. Light-sensitive compositon containing xylene resin. 3,837,859, 9-24-74, Cl. 96-91.00n.

Tsuji, Senzo; Sekikawa, Takashi; and Yamaguchi, Morio, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Screen print table with conveying and sheet registering means. 3,857,337, 12-31-74, Cl. 101-123.000.

Tsuji, Shigeo: *See—*
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Tsujibayashi, Koichi, to Nippon Felt Co., Ltd. Paper making machine having once-twisted endless felts. 3,829,359, 8-13-74, Cl. 162-274.000.

Tsujihata, Keiji; Sawada, Yasuhiro; Ishikawa, Yasushi; Matsubara, Mitsuteru; and Iwata, Minoru. Method of controlling a sintering process having a cooling zone. 3,816,096, 6-11-74, Cl. 75-5.000.

Tsujimoto, Hideyuki: *See—*
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Tsujimoto, Kayoshi: *See—*
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Tsujimoto, Kayoshi; Yata, Kotaro; and Matsuda, Motonobu, to Minolta Camera Kabushiki Kaisha. Compound light receiving elements for exposure meters. 3,783,758, 1-8-74, Cl. 95-10.00c.

Tsujimoto, Kayoshi; and Fujii, Yoshifusa, to Minolta Camera Kabushiki Kaisha. Automatic flash control device. 3,792,484, 2-12-74, Cl. 354-31.000.

Tsujimoto, Kayoshi, to Minolta Camera Kabushiki Kaisha. Electrical exposure control device for single lens reflex cameras. 3,831,180, 8-20-74, Cl. 354-51.000.

Tsujimoto, Koji, to Ushio Electric Inc. Electrodesegment type gaseous display device. 3,811,060, 5-14-74, Cl. 313-109.500.

Tsujimoto, Noboru; Maruyama, Katsuji; and Misawa, Haruo, to Chinon Industries Incorporated. Method and apparatus for synchronized shooting and projection of a movie and recording and playback of sound on a tape. 3,848,976, 11-19-74, Cl. 352-17.000.

Tsujimoto, Yoshinobu: *See—*
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Tsujita, Masaharu: *See—*
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Tsujita, Yasuo; Kimura, Toshihiko; Yamashita, Shigeji; Yuki, Kazuo; and Asami, Hiroshi, to Toray Industries, Inc. Covered elastic yarn. 3,807,162, 430-74, Cl. 57-152.000.

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Tsuk, Andrew T., to Grace, W. R., & Co. Demulsification using cationic polyvinyl alcohols. 3,830,735, 8-20-74, Cl. 210-43.000.

Tsukada, Haruo, to Victor Company of Japan, Ltd. Miniature tape cartridges. 3,840,142, 10-8-74, Cl. 220-23.400.

Tsukada, Naoshi: *See—*
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Tsukada, Syusei, to Canon Kabushiki Kaisha. Photo-information transmission and exposure device. 3,834,803, 9-10-74, Cl. 355-1.000.

Tsukada, Syusei, to Canon Kabushiki Kaisha. Liquid discharging or charging device. 3,835,355, 9-10-74, Cl. 317-262.00a.

Tsukada, Toshihisa; Omeda, Junichi; and Kawamura, Masao, to Hitachi, Ltd. Semiconductor laser device and method for manufacturing the same. 3,783,351, 1-1-74, Cl. 317-235.00r.

Tsukagoshi, Tsunehiro, to Pioneer Electronic Corporation. Tape cartridge. 3,826,440, 7-30-74, Cl. 242-55.19a.

Tsukagushi, Tsunehiro, to Pioneer Electronic Corporation. Combination pinch roller depresser and turntable brake mechanism for endless tape cartridge. 3,791,600, 2-12-74, Cl. 242-55.19a.

Tsukahara, Hirokazu: *See—*
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Tsukajaki, Shohei, to Kabushiki Kaisha Meidensha. Winding device for electrical machinery. 3,810,586, 5-14-74, Cl. 242-1.10a.

Tsukakoshi, Osamu; and Kiriya, Masashi, to Ulvac Corporation. System for measuring and recording gas chromatograms and mass spectra by a direct combination of a gas chromatograph and a quadrupole mass spectrometer. 3,829,689, 8-13-74, Cl. 250-290.000.

Tsukamoto, Akira: *See—*
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Tsukamoto, Akira; and Tubbs, Robert K. Thread bonded with segmented copolyester elastomers. 3,823,031, 7-9-74, Cl. 117-138.80f.

Tsukamoto, Goro: *See—*
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Tsukamoto, Masahide; and Ohtsuka, Tetsuro, to Matsushita Electric Industrial Co., Ltd. Liquid crystal X-Y matrix display device. 3,835,463, 9-10-74, Cl. 340-324.00m.

Tsukamoto, Masatoshi: *See—*
Kinugasa, Hiroaki; Tsukamoto, Masatoshi; Mizuta, Hiroyuki; and Uno, Hitoshi, 3,828,030.

Tsukamoto, Shuji: *See—*
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Tsukamoto, Takuzo, to Fuji Xerox Co., Ltd. Sheet paper feed out device in copier. 3,831,931, 8-27-74, Cl. 271-126.000.

Tsukamura, Takao: *See—*
Toda, Kenzo; Gondo, Hisashi; Kawasaki, Bunichiro; Abe, Mitsunobu; Katsutani, Ryoseki; Kawano, Tsuyoshi; Uehara, Norimasa; Saito, Yoshio; Suemune, Kenichiro; Shiraishi, Masahiko; Tadashige, Yoshifumi; Morimoto, Masao; Tsukamura, Takao; Watanabe, Kurayoshi; nd Nishimura, Teruhiko, 3,805,571.
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Tsukihoshi Gomu Kabushiki Kaisha (The Moon-Star Rubber Ltd.): *See—*
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Tsukioka, Hideo; Sato, Moriichi; and Hondo, Kenichi, to Hitachi, Ltd. Epoxy resin composition. 3,817,906, 6-18-74, Cl. 260-37.0ep.

Tsukishima Kikai Co., Ltd.: *See—*
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Tsukiura, Hiroshi: *See—*
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Tsukuma, Shin; and Kobayashi, Kunito, to Kamitsu Seisakusho Ltd. Yarn traversing drum used for yarn winders. 3,801,034, 3-2-74, Cl. 242-43.200.

Tsukuni, Hajime; Fujiki, Shun; Tsunoda, Teruo; and Ooba, Yoichi, to Hitachi Chemical Company, Ltd. and Hitachi, Ltd. Detergent composition. 3,830,745, 8-20-74, Cl. 252-89.000.

Tsumoto, Mamoru: *See—*
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Tsumura, Haruo; Hashimoto, Yukio; and Kubota, Hayata, to Fuji Oil Company, Ltd. Preparation of soy cheese. 3,857,970, 12-31-74, Cl. 426-46.000.

Tsumura, Kaoru: *See—*
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Tsumura, Katsuhiko, to Kabushiki Kaisha Machida Seisakusho. Light source apparatus for endoscope. 3,805,112, 4-16-74, Cl. 315-160.000.

Tsumura, Sukebumi: *See—*
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Tsunawaki, Kiyokazu; Watanabe, Katsuhisa; Sasama, Shigeru; Aito, Yuzo; and Nawata, Kiyoshi, to Teijin Limited. Thermosetting diallyl methylphthalate resins and process for their preparation. 3,840,502, 10-8-74, Cl. 260-78.5ua.

Tsunekawa, Munehisa: *See—*
Inamura, Takahiro; Sawamoto, Kenichi; Niizeki, Nobukazu; Tsunekawa, Munehisa; and Nakata, Yasuyuki, 3,857,713.

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Tsuneta, Kazuyoshi: *See—*
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Tsunoda, Kenneth, 1/2 to Garbo, Paul W. Vibration-damped rotatable cutting disk. 3,799,025, 3-26-74, Cl. 83-835.000.

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Tsunoda, Yoshito; and Miyamura, Yoshinori, to Hitachi, Ltd. Phase shifting plate having uniform transmittance. 3,843,239, 10-22-74, Cl. 350-314.000.

Tsunoo, Masahiko, to Matsushita Electric Industrial Co., Ltd. Electronic musical instrument with variable frequency division. 3,842,702, 10-22-74, Cl. 84-1.010.

Tsuprov, Sergei Andreevich: *See—*

Chukhanov, Zinovy Zinovievich; Chukhanov, Zinovy Fedorovich; Panov, Vladimir Illarionovich; Nikolaev, Anatoly Mikhailovich; Tsuprov, Sergei Andreevich; and Lyashenko, Ivan Vasilievich, 3,848,536.

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Tsuruishi, Yuki. Electronic timepiece having a chronograph mechanism. 3,795,099, 3-5-74, Cl. 58-23.00r.

Tsuruishi, Yuki, to Kabushiki Kaisha Suwa Seikosha. Electric timepiece with light responsive battery recharging. 3,802,178, 4-9-74, Cl. 58-23.0tf.

Tsuruishi, Yuki; Naito, Okito; and Matsuzawa, Masanao, to Kabushiki Kaisha Suwa Seikosha. Coil structure for electric watches. 3,803,829, 4-16-74, Cl. 58-28.00a.

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Tsurumaru, Michiko: *See—*
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Tsuruta, Hidemasa; and Makiguchi, Michinori, to Nittetu Chemical Engineering Ltd. Rotary kiln type solid waste incinerating system and method. 3,827,379, 8-6-74, Cl. 110-14.000.

Tsuruta, Kiyoshi: *See—*
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Tsutsumi, Shigeru. Injection molding apparatus for synthetic resin. 3,800,027, 3-26-74, Cl. 425-243.000.

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Tubb, Irvin L., to General Dynamics Corporation. Solid lubricant. 3,791,970, 212-74, Cl. 252-12.000.

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Tucker, Archie J., to Eastman Kodak Company. Disengageable anti-backup device for film cartridge. 3,831,881, 8-27-74, Cl. 242-194.000.

Tucker, Carl L.; Schaible, Robert M.; and Cooper, Frank B., to Pak-Well Corporation. Quick opening envelope. 3,853,262, 12-10-74, Cl. 229-80.000.

Tucker, Carl L., to Singer Company, The. Side expansion scroll-type blowers. 3,856,431, 12-24-74, Cl. 415-219.000.

Tucker, Charles M. Warning and distress signal device for a disabled vehicle. 3,810,092, 5-7-74, Cl. 340-107.000.

Tucker, Charles R., to Hercules Incorporated. Textile finishing process. 3,834,870, 9-10-74, Cl. 8-168.000.

Tucker, Council A., to Towlsaver, Inc. Roll supporting apparatus for roll towel dispenser. 3,797,769, 3-19-74, Cl. 242-55.530.

Tucker, Council A., to American Telecommunications Corporation. Cord adapter for telephones. 3,825,882, 7-23-74, Cl. 339-103.00r.

Tucker, Council A., to American Telecommunications Corporation. Telephone wall mount. 3,840,711, 10-8-74, Cl. 179-146.00r.

Tucker, Council A., to American Telecommunications Corporation. Jack or plug receptacle. 3,842,395, 10-15-74, Cl. 339-91.00r.

Tucker, Council A., to American Telecommunications Corporation. Telephone wall mount. 3,848,097, 11-12-74, Cl. 179-146.00r.

Tucker, Council A., to American Telecommunications Corporation. Wall mount for telephones. 3,851,119, 11-26-74, Cl. 179-146.00r.

Tucker, Eli Jordan, Jr. Embalmant. 3,852,418, 12-3-74, Cl. 424-75.000.

Tucker, Emitt M.; and Tucker, J. Morris, to Tucker & Sons. Slide for preventing excessive vibration in an endless track unit. 3,857,616, 12-31-74, Cl. 305-25.000.

Tucker, Emmitt M.; and Tucker, J. Morris, to Tucker & Sons. Endless track unit. 3,787,099, 1-22-74, Cl. 305-25.000.

Tucker, Harold A.; and Kemp, Richard V. Trihalomethyl hydrocarbon glycidyl ethers and polymer compositions thereof. 3,833,522, 9-3-74, Cl. 260-2.00a.

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Tucker, Linwood G., to Koppers Company, Inc. Sealing device for coke oven door. 3,785,932, 1-15-74, Cl. 202-248.000.

Tucker, Linwood G., to Koppers Company, Inc. Reversing mechanism for coke oven battery. 3,833,478, 9-3-74, Cl. 202-151.000.

Tucker, Lorn Kenneth, to Coulter Electronics, Inc. Optical scanning device. 3,786,261, 1-15-74, Cl. 250-205.000.

Tucker, Lynne A. Frame for fabrication of floral simulations. 3,796,626, 3-12-74, Cl. 161-31.000.

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Tucker, Paul T.; and Coates, William, to University of Illinois Foundation. Tracking light pen system. 3,852,721, 12-3-74, Cl. 340-172.500.

Tucker, Raymon Z. Multi-spindle rolling machine. 3,798,949, 3-26-74, Cl. 72-181.000.

Tucker, Raymond Z.; and Benson, Jack O., to Schatt Industries, Inc. Trailer hitch. 3,811,706, 5-21-74, Cl. 280-407.000.

Tucker, Richard B. C.; and Crawford, William C., to Burnett, Wm. T., & Co., Incorporated. Mesh webbing for a lacrosse stick. 3,822,062, 7-2-74, Cl. 273-96.00d.

Tucker, Robert C., Jr., to Union Carbide Corporation. Process for producing a corrosion resistant duplex coating. 3,837,894, 9-24-74, Cl. 117-70.00a.

Tucker, Robert C., Jr., to Union Carbide Corporation. Filament-reinforced composite material and process therefor. 3,840,350, 10-8-74, Cl. 29-191.200.

Tucker, Robert Jerome, to American Cyanamid Company. Vanadyl phthalocyanine sulfonamides and laser protective plastic filters containing the same. 3,853,783, 12-10-74, Cl. 252-300.000.

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Tucker, Stuart G., to International Business Machines Corporation. Storage system with conflict-free multiple simultaneous access. 3,812,473, 5-21-74, Cl. 340-172.500.

Tucker, William F., to Monsanto Company. Doping control for semiconductor materials. 3,829,382, 8-13-74, Cl. 252-62.30r.

Tucker, William M.: *See—*
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Tuckey, Charles H., to Walbro Corporation. Automatic compressor relief valve. 3,782,354, 1-1-74, Cl. 123-182.000.

Tuckey, Charles H., to Walbro Corporation. Air intake silencer for internal combustion engines. 3,826,332, 7-30-74, Cl. 181-35.00a.

Tuckey, Charles H., to Walbro Corporation. Carburetor with check valve bypass. 3,843,755, 10-22-74, Cl. 261-69.00a.

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Tudos, Ferenc: *See—*
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Tufano, John J., Sr. Vehicle bumper impact absorbing system. 3,797,874, 3-19-74, Cl. 293-86.000.

Tufdura Limited: *See—*
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Tuffias, Robert H.; and Larson, Harry D., to Litton Systems, Inc. Ferrohydrodynamic low-friction bearing with improved volume compensation and fluid seal. 3,834,775, 9-10-74, Cl. 308-36.300.

Tuffile, Fred M.: *See—*
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Tufts, Howard L., to Pyrotector Incorporated. Fire extinguishing system and valve for use therewith. 3,788,400, 1-29-74, Cl. 169-11.000.

Tufts, Wesley H.; and Albertassi, James H., to Neutron Corporation. Marine toilet. 3,846,847, 11-12-74, Cl. 4-95.000.

Tufts, Wesley M.; and Albertassi, James H., to Nautron Corporation. Marine toilet with dispenser. 3,840,914, 10-15-74, Cl. 4-224.000.

Tuge, Tunehiko: *See—*
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Tulk, George M. Vise. 3,815,892, 6-11-74, Cl. 269-75.000.

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Turner, Jack Bond. Bi-colored wrapper twist tie. 3,857,139, 12-31-74, Cl. 24-30.50t.
Turner, James, to AGFA-Gevaert Aktiengesellschaft. Apparatus for guiding the edges of webs in photographic copying apparatus or the like. 3,851,811, 12-3-74, Cl. 226-199.000.
Turner, James H.: *See*—
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Turner, Jerry: *See*—
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Turner, Jerry Brent. Pipeline forced air convective heat transfer system. 3,815,671, 6-11-74, Cl. 165-47.000.
Turner, Joe D. Fence panel construction. 3,815,877, 6-11-74, Cl. 256-24.000.
Turner, John, to King, Geo. W., Limited. Conveyor systems. 3,830,165, 8-20-74, Cl. 104-172.00s.
Turner, John Cameron; and Chan, Rosalind Po-Kuen, to Biorex Laboratories Limited. 1,2-Diphenyl-ethane derivatives. 3,821,319, 6-28-74, Cl. 260-648.00f.
Turner, John O., to Sun Research and Development Co. One-step synthesis of caprolactam. 3,836,523, 9-17-74, Cl. 260-239.30a.
Turner, John O.; and Norton, Richard V., to Sun Ventures, Inc. Reaction of peroxides with nitriles. 3,852,349, 12-3-74, Cl. 260-558.00r.
Turner, Kenneth Lamar: *See*—
Morris, Horton Harold; Drexel, Richard Jacob, Jr.; and Turner, Kenneth Lamar, 3,804,653.
Turner, Leonard W.; and Arel, Ray R. Can opening device. 3,805,643, 4-23-74, Cl. 81-3.320.
Turner, Leslie C.; and Cockreham, Harry, to Turco Engineering, Inc. Energy generation system adaptable for burning dust-type fuels. 3,824,937, 7-23-74, Cl. 110-102.000.
Turner, Lloyd Bowman, to United McGill Corporation. Duct access section. 3,782,411, 1-1-74, Cl. 137-467.000.
Turner Manufacturing Company Limited: *See*—
Morrison, William McKenzie Meek, 3,857,299.
Turner, Nathan L., to Petro-Tex Chemical Corporation. Biodergradable emulsifiers for polychloroprene. 3,838,141, 9-24-74, Cl. 260-92.300.
Turner, Norman E.; and McGonigal, James J., to Magnetic Laboratories Inc. Coil manufacturing process 3,811,045, 5-14-74, Cl. 264-250.000.
Turner, Norman G.: *See*—
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Turner, Peter H., to Sargent Industries, Inc. Filament wound bearing. 3,802,756, 4-9-74, Cl. 308-238.000.
Turner, Peter Raymond, to Molins, Limited. Calculating apparatus. 3,816,721, 6-11-74, Cl. 235-151.130.

Turner, Philip L., to Ford Motor Company. Vehicle headlamp aiming system and method. 3,841,759, 10-15-74, Cl. 356-121.000.
Turner, Prescott K., to General Electric Company. Electric connector. 3,810,075, 5-7-74, Cl. 339-105.000.
Turner, Richard E. Foot support. 3,847,147, 11-12-74, Cl. 128-83.500.
Turner, Richard W. Maneuvering towline system. 3,807,342, 4-30-74, Cl. 114-235.0ws.
Turner, Robert A., to Sobel, Jack. Astringent gel, its preparation and use. 3,856,941, 12-24-74, Cl. 424-145.000.
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Turner, Roger C.; and Simms, Michael L., to General Electric Company. Refrigerator cabinet. 3,834,779, 9-10-74, Cl. 312-214.000.
Turner, Stephen, to Reckitt & Colman Products Limited. Bicyclic polyols. 3,849,505, 11-19-74, Cl. 260-617.00f.
Turner, Stephen H., Sr. Hedge trimmer. 3,838,508, 10-1-74, Cl. 30-216.000.
Turner, Trevor John, to Imperial Chemical Industries Limited. Controlled feeding of powdered material. 3,796,126, 3-12-74, Cl. 86-1.00r.
Turner, Trevor Stanley; and Whittle, John Edward, to International Nickel Company, Inc., The. Activation of nickel battery plates. 3,852,112, 12-3-74, Cl. 136-29.000.
Turner, Webster T.; and Turner, Eugene E. Extensible display frame. 3,813,800, 6-4-74, Cl. 40-155.000.
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Turner, William F., 49% to Boaz, Fred. Vee engine. 3,830,208, 8-20-74, Cl. 123-43.00a.
Turner, William M., to Golf Products, Inc. Golf club sole plate. 3,815,921, 6-11-74, Cl. 273-174.000.
Turner, William R., to Automation Industries, Inc. Ultrasonic imaging tube. 3,811,067, 5-14-74, Cl. 315-11.000.
Turner, William R., to Automation Industries, Inc. Ultrasonic imagining tube. 3,833,830, 9-3-74, Cl. 313-369.000.
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Turney, Peter Baldwin. Navigational computers. 3,835,299, 9-10-74, Cl. 235-61.0nv.
Turney, Stephen Z. Disposable manifold with atmosphoric vent. 3,834,372, 9-10-74, Cl. 128-2.00f.
Turnheim, Georg; and Smolka, Thomas Gordon, to Gertsch AG, mesne. Ski binding part. 3,802,715, 4-9-74, Cl. 280-11.35m.
Turnock, Frederick Arthur; and Gater, Robert, to Service (Engineers) Limited. Manufacture of ceramic ware. 3,857,661, 12-31-74, Cl. 425-289.000.
Turoczi, Alexander, Jr. Balanced tire. 3,786,850, 1-22-74, Cl. 152-330.000.
Turok, Galina Iosifovna: *See*—
Anisimov, Pavel Mikhailovich; Evgrafov, Boris Ivanovich; Kupeev, Jury Alexandrovich; Orlov, Boris Petrovich; Kotova, Antonina Nikolaevna; Turok, Galina Iosifovna; and Berman, Pavel Gdalievich, 3,831,045.
Turolla, Carlo; Bonfanti, Giovanni; and Pasqualucci, Carmine, to ARCHIFAR Industrie Chimiche del Trentino S.p.A. Method for extracting and isolating rifamycin O from fermentation broths of rifamycins. 3,847,903, 11-12-74, Cl. 260-239.30p.
Turolla, Marco. Gear pump. 3,790,316, 2-5-74, Cl. 418-131.000.
Turpin, Charles H., to Pillsbury Company, The. Dough package containing triple sealed icing cup and method of producing the same. 3,851,757, 12-3-74, Cl. 206-223.000.
Turpin, Gerald Leslie. Cameras. 3,827,071, 7-30-74, Cl. 354-126.000.
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Turquin, Michel, to Etablissements Bertrand Faure. Trailers. 3,807,789, 4-30-74, Cl. 296-23.00r.
Turtle, Quentin C., to General Signal Corporation. Electroacoustical flow metering apparatus. 3,788,140, 1-29-74, Cl. 73-194.00a.
Turtle. Quentin C., to General Signal Corporation. Apparatus for digitizing noisy time duration signals. 3,824,583, 7-16-74, Cl. 340-347.00r.
Turton, Cecil Nigel: *See*—
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Turton, Cecil Nigel; and McAinsh, James, to Imperial Chemical Industries Limited. Thermoplastic compositions. 3,785,916, 1-15-74, Cl. 161-156.000.
Turtschan, Alfons, to Ganzhorn U. Stirn Kommanditgesellschaft. Apparatus for forming and filling containers. 3,808,772, 5-7-74, Cl. 53-141.000.
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Turzillo, Lee A. Means and method for producing stepped concrete slope structures. 3,786,640, 1-22-74, Cl. 61-37.000.
Turzillo, Lee A. Means for stabilizing structural layer overlying earth materials in situ. 3,786,641, 1-22-74, Cl. 61-63.000.
Turzillo, Lee A. Method and means for producing pile or like structures columns in situ. 3,807,184, 4-30-74, Cl. 61-53.600.
Turzillo, Lee A. Method for installing concrete anchor piles in situ. 3,815,368, 6-11-74, Cl. 61-35.000.
Turzillo, Lee A. Method and means for installing load bearing pile in situ. 3,842,608, 10-22-74, Cl. 61-53.520.
Tusch, Nicholas Norbert; Watson, Robert Ian; and Taylor, Jack, to Colebrand, Limited. Underwater spraying apparatus. 3,788,273, 1-29-74, Cl. 118-50.000.
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Tutiya, Cidetaka, to Citizen Watch Company Limited. Perpendicularly meshing spur gearing. 3,851,540, 12-3-74, Cl. 74-437.000.
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TVI Marketing, Inc.: *See*—
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Tweit, Robert C., to Searle, G. D., & Co. 1-Benzyl-3-[2-phenoxy-5-(N-ethyl-N-phenylsulfamoyl) phenyl]-2-thioureas and congeners. 3,798,268, 3-19-74, Cl. 260-552.00r.
Tweit, Robert C., to Searle, G. D., & Co. (1-Methyl-5-nitro-2-imidazolyl)thioalkanoic acids and derivatives. 3,819,646, 6-25-74, Cl. 260-309.000.
Tweit, Robert C., to Searle, G. D., & Co. 2-(Phenoxyalkylthio) imidazoles and congeners. 3,842,097, 10-15-74, Cl. 260-309.000.
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Twogood, Claude E.; McClelland, Donald H.; and Uba, Toshio, to Gates Rubber Company, The. Lead sealed-through connection. 3,839,093, 10-1-74, Cl. 136-135.00r.
Twomey, Robert C., to United States of America, Army. Gasket-electrically conductive. 3,783,173, 1-1-74, Cl. 174-35.0gc.
Twort, Thomas James, to Urguhart Engineering Company Limited and Bloom Engineering Company, Inc. Precast furnace pipe insulation. 3,804,585, 4-16-74, Cl. 432-234.000.
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Tye, John M. Agricultural drill. 3,848,553, 11-19-74, Cl. 111-87.000.
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Tykva, Richard, to Ceskoslovenska akademie ved. Method and arrangement for determination of planar distribution of low-energy beta nucleides and other radionucleides for tracer experiments in biological, biochemical and chemical experimental systems. 3,812360, 5-21-74, Cl. 250-370.000.
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Tylko, Jozef Kazimierz, to British Titan Limited. Process for the production of iron-containing titaniferous particles. 3,853,536, 12-10-74, Cl. 75-3.000.

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Tymoszczuk, Jerzy. Process apparatus for treating water by a combined activated sludge and biological filter bed. 3,853,752, 12-10-74, Cl. 210-17.000.

Tymoszek, Raymond. Garment hanger sheath with hanger insert. 3,807,609, 4-30-74, Cl. 223-88.000.

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Tynan, Eugene Edward; and Von Gutfeld, Robert J., to International Business Machines Corporation. Light detector for the nanosecond-DC pulse width range. 3,851,174, 11-26-74, Cl. 250-336.000.

Tyner, David A., to Searle, G. D., & Co. 17 b-Hydroxy-16,16-dimethylester-4-en-3-one. 3,853,926, 12-10-74, Cl. 260-397.400.

Tyo, James: *See—*
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Typpo, Pekka: *See—*
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Tyrcz, Edward T.: *See—*
Peczeli, Charles F.; and Tyrcz, Edward T., 3,852,020.

Tyre, Roy W. Single component controlled RC bridge. 3,818,380, 6-18-74, Cl. 333-70.0cr.

Tyrechek, Inc., mesne: *See—*
Church, Donald E., 3,835,451.

Tyree, Lewis, Jr. System for cooling material using CO_2snow. 3,815,377, 6-11-74, Cl. 62-62.000.

Tyroler, Jesse F., to United States of America, Army. Signalling device. 3,797,395, 3-19-74, Cl. 102-37.100.

Tyrone Hydraulics, Inc.: *See—*
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Tyrrell, Warren A., to United States of America, Navy, mesne. Underwater low frequency sonic communication. 3,811,106, 5-14-74, Cl. 340-5.00r.

Tyrseck, Walter J.: *See—*
Hackenbert, Robert A.; Tyrseck, Walter J.; and Berry, Chapman, 3,829,005.

Tyrseck, Walter J., to Robertson Paper Box Co. Inc. Dispenser carton and blank for forming same. 3,820,686, 6-28-74, Cl. 221-305.000.

Tyrseck, Walter J., to Robertson Paper Box Co., Inc. Check wallet and blank for forming same. 3,847,195, 11-12-74, Cl. 150-39.000.

Tysk, Jan: *See—*
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Tysko, Leon Albert: *See—*
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Tyson, David L.: *See—*
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Tyson, William H., Jr.; and Bramson, Mogens L., to Cutter Laboratories, Inc. Membrane diffusion apparatus. 3,834,544, 9-10-74, Cl. 210-321.000.

Tyssee, Donald A.: *See—*
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Tysver, Oliver J.: *See—*
Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Jeoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,807,209.
Aschberger, Anton A.; Avery, Jack L.; Cartwright, William J.; Dean, Geoffrey J.; Tysver, Oliver J.; Wolfe, Robert W.; and Bautz, Frederick H., 3,842,631.

Tyszkiewicz, Stefan Eugene. Luggage trolleys. 3,809,202, 5-7-74, Cl. 194-1.00r.

Tzentis, L. S., to Dow Badische Company. Method of making hallow fibers. 3,851,036, 11-26-74, Cl. 264-182.000.

Tzou, Albert J.: *See—*
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U. F. Chemical Corporation: *See—*
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U-Line Corporation: *See—*
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U-S Safety Trolley Corporation: *See—*
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UA Engineering Limited: *See—*
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Ubelacker, Erich, to Rheinstahl AG. Armored vehicle. 3,847,053, 11-12-74, Cl. 89-36.00k.

Uberschaer, Horst: *See—*
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Ucciardino, Angelo. Mailbox array. 3,819,109, 6-25-74, Cl. 232-24.000.

Uchanski, Joseph; and Uchanski, Olga. Nontipping, disposable dishware. 3,847,324, 11-12-74, Cl. 229-1.50h.

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Uchida, Hiromu; and Yanabu, Osamu, to Nippon Steel Corporation. Surface treated steel plate. 3,827,866, 8-6-74, Cl. 29-195.000.

Uchida, Hisashi; and Hamatsuki, Takeshige, to Nippon Electric Company, Limited. Temperature control device for thermostatic oven. 3,838,248, 9-24-74, Cl. 219-210.000.

Uchida, Isamu, to Minolta Camera Kabushiki Kaisha. Photographic viewfinder arrangement. 3,800,655, 4-2-74, Cl. 354-225.000.

Uchida, Isamu, to Minolta Camera Kabushiki Kaisha. Detachable viewfinder arrangement for use in a photographic camera. 3,828,644, 8-13-74, Cl. 88-54.000.

Uchida, Izuhiko: *See—*
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Uchida, Kazuhiko, to LogEtronics Inc. Air-jet crossover for automatic film processors. 3,824,616, 7-16-74, Cl. 354-339.000.

Uchida, Keiichiro: *See—*
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Uchida, Kosaku, to Matsushita Electric Industrial Co., Ltd. Tuning system. 3,806,817, 4-23-74, Cl. 325-418.000.

Uchida, Kosaku; Dezaki, Yoshito; and Kitamura, Sadafumi, to Matsushita Electric Industrial Co., Ltd. Automatic stopper system for stopping a power supply in the absence of information signals. 3,811,090, 5-14-74, Cl. 325-390.000.

Uchida, Kosaku, to Matsushita Electric Industrial Company, Limited. System for coupling magnetic recording and reproducing machine with television receiver. 3,829,891, 8-13-74, Cl. 360-33.000.

Uchida, Kosaku; Ide, Susumu; Kanamaru, Toshiji; and Kitamura, Sadafumi, to Matsushita Electric Industrial Co., Ltd. Channel indicating for television receivers. 3,855,962, 12-24-74, Cl. 116-124.100.

Uchida, Kosaku; Ide, Susumu; Kanamaru, Toshiji; and Kitamura, Sadafumi, to Matsushita Electric Industrial Co., Ltd. Channel indicating device for television receivers. 3,855,964, 12-24-74, Cl. 116-124.400.

Uchida, Kozo; Nakaya, Naohisa; and Suzuki, Koji, to Iwata Electric Company Limited. Automatic synchronizing system. 3,787,749, 1-22-74, Cl. 315-19.000.

Uchida, Kozo, to Iwatsu Electric Company, Limited. Method of measuring the electostatic capacity of a capacitor. 3,824,459, 7-16-74, Cl. 324-60.0cd.

Uchida, Masaaki. Long-distance high-pressure apparatus. 3,820,454, 6-28-74, Cl. 100-269.00r.

Uchida, Masaaki, to Honda Giken Kogyo Kabushiki Kaisha. Accessorial device for holding a helmet or the like on an autobicycle. 3,823,856, 7-16-74, Cl. 224-36.000.

Uchida, Masakatsu: *See—*
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Uchida, Saburo: *See—*
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Uchida, Shunichi: *See—*
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Uchida, Shunichiro: *See—*
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Uchida, Tadao: *See—*
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Uchida, Teiji: *See—*
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Uchida, Teiji. Method of making optical lines in dielectric body. 3,817,730, 6-18-74, Cl. 65-30.000.

Uchida, Teruo: *See—*
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Uchida, Tokio: *See—*
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Uchida, Tomofumi: *See—*
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Uchida, Tsuneo: *See—*
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Uchida, Yasuo, to Ishikawa Tekko Kabushiki Kaisha. Ball joint. 3,847,490, 11-12-74, Cl. 403-140.000.

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Uchida, Yosuke: *See—*
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Uchida, Yukimasa: *See—*
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Uchikawa, Hiroshi; and Uchida, Shunichiro, to Onoda Cement Co., Ltd. Cement set retarding composition and method. 3,782,992, 1-1-74, Cl. 106-315.000.

Uchikawa, Hiroshi; and Kasai, Noboru, to Onoda Cement Co., Ltd. Process for manufacturing a rapid hardening portland cement. 3,819,389, 6-25-74, Cl. 106-100.000.

Uchikura, Yuriko: *See—*
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Uchino, Kunio. Bicycle drives. 3,828,621, 8-13-74, Cl. 74-243.0pc.

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Uchiyama, Hatsuo, to Maruishi Iron Works Co. Ltd. Vertical type paper machine. 3,853,696, 12-10-74, Cl. 162-315.000.

Uchiyama, Hideaki, to Kabushiki Kaisha Suwa Seikosha. Solar cell watch dial having calendar display window. 3,786,624, 1-22-74, Cl. 58-236.000.

Uchiyama, Hideaki, to Kabushiki Kaisha Suwa Seikosha. Solar cell for timepiece. 3,818,691, 6-25-74, Cl. 58-23.00c.

Uchiyama, Masao; and Kaneko, Norio, to Mitsubishi Petrochemical Company, Limited. Catalytic steam dealkylation. 3,812,196, 5-21-74, Cl. 260-672.000.

Uchiyama, Masao; and Mori, Shoichiro, to Mitsubishi Petrochemical Company Limited. Catalytic steam dealkylation. 3,848,014, 11-12-74, Cl. 260-672.00r.

Uchiyama, Mikio: *See—*
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Uchiyama, Noboru; Yasuda, Naohiko; Yamatani, Tetsuo; Ariyoshi, Yasuo; Toi, Koji; and Sato, Naotake, to Ajinomoto Co., Inc. Method of producing α-dipeptide esters of L-aspartic acid. 3,798,206, 3-19-74, Cl. 260-112.500.

Uchiyama, Ryoji, to Maruyama Mfg. Co., Ltd. Pump. 3,809,508, 5-7-74, Cl. 417-511.000.

Uchiyama, Seizi: *See—*
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Uchiyama, Tadamitsu: *See—*
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Uchiyama, Takashi: *See—*
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Uchiyama, Takashi; Taguchi, Tetsuya; and Mashimo, Yukio, to Canon Kabushiki Kaisha. Exposure control system for flash photography. 3,836,920, 9-17-74, Cl. 354-27.000.

Uchiyama, Takashi; Taguchi, Tetsuya; and Mashimo, Yukio, to Canon Kabushiki Kaisha. Photometer. 3,855,601, 12-17-74, Cl. 354-31.000.

Uchiyama, Yasuji: *See—*
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Tomisawa, Norio; Uchiyama, Yasuji; and Okumura, Takatoshi, 3,824,379.
Tomisawa, Norio; Uchiyama, Yasuji; Okumura, Takatoshi; and Stauffer, Thomas Arlo, 3,844,379.

Tomisawa, Norio; Amano, Takehisa; Uchiyama, Yasuji; and Okumura, Takatoshi, 3,854,365.
Uchiyama, Yasuji, to Nippon Gakki Seizo Kabushiki Kaisha. Touch-responsive keying circuit for electronic musical instruments. 3,784,718, 1-8-74, Cl. 84-1.130.
Uchiyama, Yasuji, to Nippon Gakki Seizo Kabushiki Kaisha. Automatic accompaniment device of an electronic musical instrument. 3,795,755, 3-5-74, Cl. 84-1.030.
Uchiyama, Yasuji, to Nippon Gakki Seizo Kabushiki Kaisha. Tuning device for receivers. 3,806,818, 4-23-74, Cl. 325-456.000.
Uchiyama, Yasuji, to Nippon Gakki Seizo Kabushiki Kaisha. Audio apparatus. 3,806,820, 4-23-74, Cl. 325-478.000.
Uchiyama, Yasuji, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instrument. 3,809,791, 5-7-74, Cl. 84-1.240.
Uchiyama, Yoshio; and Kurio, Noriyuki, to Toyo Kogyo Co., Ltd. Oil seal device for rotary piston internal combustion engine. 3,820,925, 6-28-74, Cl. 418-142.000.
Ucote Corporation, mesne: *See*—
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Uda, Akitomo; and Asano, Setsunobu, to Mitsubishi Gas Chemical Company, Inc. Catalyst of copper oxide zinc oxide-chromium oxide for mettranol synthesis. 3,840,478, 10-8-74, Cl. 252-468.000.
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Udden, Ruth Gunvor Anna Britt: *See*—
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Uddenberg, Goran O. Instrument for maintaining body cavities in extended condition. 3,817,242, 6-18-74, Cl. 128-20.000.
Udding, Anne C., to Shell Oil Company. Catalyst for the preparation of polyether-type polymers. 3,790,499, 2-5-74, Cl. 252-431.00r.
Udding, Anne C., to Shell Oil Company. Process for improved elastomers. 3,792,031, 2-12-74, Cl. 260-94.70n.
Uddrich, Peter: *See*—
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Udelhofen, John J.; Watson, Roger W.; and Kuraniewicz, Adam S., to Standard Oil Company. Phosphosulfurized hydrocarbon polymer stabilized with 5-bias(alkyldithio)-1,3,4-thiadiazole. 3,826,798, 7-30-74, Cl. 260-139.000.
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Udluft, Klaus; Weigert, Wolfgang; Offermanns, Heribert; and Wagner, Hans, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of 1,1,2-triacetoxyethane. 3,809,716, 5-7-74, Cl. 260-491.000.
Udovik, Anatoly Pavlovich: *See*—
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Udy, Lex Lynn; Jessop, Harvey Allred; and Wasson, Daniel Aaron, to Ireco Chemicals. 3,788,909, 1-29-74, Cl. Aqueous blasting compositions.
Udylite Corporation, The: *See*—
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Zambon, Giacomo R., 3,796,646.
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Shigemori, Hideto; Ueba, Akio; and Fukunaga, Motoaki, 3,795,343.
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Uebel, Philipp; Heckner, Helmut; and Hoepfner, Dietrich, to Wacker-Werke KG. Tamping device for compacting soil, concrete, and the like. 3,802,791, 4-9-74, Cl. 404-133.000.
Uebel, Philipp; and Paukert, Julius, to Wacker-Werke KG. Outer vibrator for connection of molds, jarring tables, and the like. 3,817,495, 6-18-74, Cl. 259-1.00r.
Uebel, Philipp, to Wacker-Werke KG. Internal combustion operated hammer. 3,834,469, 9-10-74, Cl. 173-75.000.
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Uebelstadt, Manfred, to Audi NSU Auto Union Aktiengesellschaft. Shock absorber. 3,847,428, 11-12-74, Cl. 293-96.000.
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Justice, James W. H.; and Uhler, Marcus H., 3,857,998.

Uhler, Marcus H., to Westinghouse Electric Corporation. Reading pacer for educational television. 3,818,130, 6-18-74, Cl. 178-7.50r.

Uhlich, Horst. Agent for preventing seizing-up in zip-fasteners. 3,785,978, 1-15-74, Cl. 252-50.000.

Uhlig, Albert R.: *See—*
Sandoz, Paul H.; and Uhlig, Albert R., 3,805,593.

Uhlig, Albert R., to Owens-Illinois, Inc. Plastic bottle manufacture. 3,783,724, 1-8-74, Cl. 83-140.000.

Uhlig, Albert R., to Owens-Illinois, Inc. Plastic bottle manufacture. 3,784,038, 1-8-74, Cl. 215-1.00c.

Uhlig, Albert R., to Owens-Illinois, Inc. Blown plastic container. 3,843,005, 10-22-74, Cl. 215-1.00c.

Uhlig, Fritz: *See—*
Steppan, Hartmut; Uhlig, Fritz; and Giesse, Roland, 3,790,385.

Uhlig, Gerhardt E. Safety closure container. 3,830,391, 8-20-74, Cl. 215-9.000.

Uhlig, Konrad: *See—*
Dietrich, Werner; Uhlig, Konrad; Wagner, Kuno; Maaben, Dieter; Conrad, Horst; Bormann, Heinrich; and Piechota, Helmut, 3,793,268.

Uhlir, Pavel, to Elitex, Zavody textilniho strojirenstvi, generalni reditelstvi. Arrangement for mounting sinkers in a circular knitting machine. 3,815,382, 6-11-74, Cl. 66-14.000.

Uhlir, Pavel; and Uhlirova, Jarmila, to Elitex, Zavody textilniho strojirenstvi generalni reditelstvi. Apparatus for holding and removing a knitwork in a double cylinder circular knitting machine. 3,841,112, 10-15-74, Cl. 66-14.000.

Uhlirova, Jarmila: *See—*
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Uhlmann, Ernest A.: *See—*
Elmore, Austin E.; and Uhlmann, Ernest A., 3,815,772.

Uhrentechniker, Alfred Eisele, to Pforzkeimer Uhren-Rohwerke Inh. Calendar timepiece with multiple language displays. 3,789,603, 2-5-74, Cl. 58-58.000.

Uhrhane, Philip F.; and Day, Donald L., to Textron Inc. Roof jack. 3,828,494, 8-13-74, Cl. 52-15.000.

Uhrich, Carole J.: *See—*
Barstow, Frederick C.; and Uhrich, Carole J., 3,819,381.

Uhtenwoldt, Herbert R., to Cincinnati Milacron-Heald Corporation. Grinding machine with controlled grinding force. 3,796,012, 3-12-74, Cl. 51-165.770.

Uhtenwoldt, Herbert R., to Cincinnati Milacron-Heald Corporation. Grinding machine. 3,816,996, 6-18-74, Cl. 51-101.00r.

Uhtenwoldt, Herbert Rudolf, to Cincinnati Milacron-Heald Corporation. Cam controlled machine for grinding a non-circular surface. 3,828,481, 8-13-74, Cl. 51-101.00r.

Uhtenwoldt, Herbert Rudolph: *See—*
Robillard, Howard George; and Uhtenwoldt, Herbert Rudolph, 3,798,840.

UHU-Werk H.u.M. Fischer G.m.b.H.: *See—*
Dickmann, Heinz Hermann; Krattner, Richard; and Mobius, Hans-Dieter, 3,787,345.
Dickmann, Heinz Hermann; and Krattner, Richard, 3,787,346.

Uihlein, Rolf Dieter: *See—*
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Uittenbogaard, Teunis Hermanus: *See—*
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Uitti, Kenneth D.: *See—*
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Uitz, Mark O.: *See—*
Skinner, James R.; Uitz, Mark O.; and Hait, Paul W., 3,817,610.

Uitz, Mark O.; Ewry, Edwin E.; Link, William T.; and Sherlock, Hugh Paul, to Action Films, Inc. Motion picture apparatus. 3,819,257, 6-25-74, Cl. 352-72.000.

Ujihara, Motohiro: *See—*
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Ujihara, Takasumi: *See—*
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Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for the manufacture of circular products. 3,785,429, 1-15-74, Cl. 164-282.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for constructing substantially circular cross-section vessel by welding. 3,788,384, 1-29-74, Cl. 164-252.000.

Ujiie, Akira; Shimoyama, Hiroshi; and Ueda, Nanji, to Mitsubishi Jukogyo Kabushiki Kaisha and Koike Sanso Kogyo Kabushiki Kaisha. Cutting torch. 3,788,558, 1-29-74, Cl. 239-424.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for the manufacture of circular products. 3,825,054, 7-23-74, Cl. 164-52.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Method and apparatus for manufacture of tubular bodies by electroslag remelting. 3,834,443, 9-10-74, Cl. 164-52.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Process for producing metallic articles by electroslag remelting. 3,835,914, 9-17-74, Cl. 164-52.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for electroslag remelting to produce tubular bodies. 3,835,916, 9-17-74, Cl. 164-252.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for manufacturing curved wall metallic objects. 3,841,383, 10-15-74, Cl. 164-52.000.

Ujiie, Akira, to Mitsubishi Jukogyo Kabushiki Kaisha. Welding method employing inclined parallel groove. 3,842,237, 10-15-74, Cl. 219-135.000.

Ujiie, Aktra. Method and apparatus for manufacturing spherical metallic vessels or hemispherical vessel heads. 3,801,771, 4-2-74, Cl. 219-76.000.

Ukai, Nobuo, to Tsukihoshi Kasei Kabushiki Kaisha; a/k/a Moon-Star Chemical Corporation. Glass bottles coated with multi-protective film layers. 3,823,032, 7-9-74, Cl. 117-72.000.

Ukai, Takeshi; and Oshima, Kiyoshi, to Ricoh Co., Ltd. Self-holding unit having a reset delay circuit. 3,851,184, 11-26-74, Cl. 306-141.00r.

Ukaji, Rokuo; and Morioka, Ichiro, to Daikin Kogyo Co., Ltd. Fluorination of 1,1,1-trichloroethane with hydrogen fluoride. 3,833,676, 9-3-74, Cl. 260-653.700.

Uke, Alan K.: *See—*
Good, Richard R.; and Uke, Alan K., 3,809,353.

Uki, Northiro: *See—*
Motegi, Shoji; Uki, Northiro; and Mito, Sadao, 3,784,855.

Ukihashi, Hiroshi; Kirimoto, Kazusuke; and Kojima, Hiroaki, to Asahi Glass Company Ltd. Oil- and water-repellent composition of perfluoroalkyl acrylates or methacrylates. 3,838,083, 9-24-74, Cl. 260-29.60f.

Ukita, Masayo: *See—*
Nakayama, Kiyoshi; Furuya, Akira; and Ukita, Masayo, 3,816,251.

Ulbing, Cynthia G.; and Corretore, Daniel A., Jr., to Eastman Kodak Company. Negative unfogged silver halide emulsion containing a sensitizing combination of a cyanine desensitizing dye and a supersensitizing compound. 3,809,561, 5-7-74, Cl. 96-84.000.

Ulbing, Otmar M., to Borg-Warner Corporation. Pump apparatus. 3,838,943, 10-1-74, Cl. 417-289.000.

Ulbrich, Gerhard, to Bosch, Robert, G.m.b.H. Apparatus for cleaning windshields or the like. 3,837,032, 9-24-74, Cl. 15-250.170.

Ulbrich, John K.: *See—*
D'Angelo, Thomas J.; Strohmeyer, William H.; and Ulbrich, John K., 3,785,358.

Ulbrich, Konrad A., to Dovre Ski Binding, Inc. Ski binding. 3,845,966, 11-5-74, Cl. 280-11.35t.

Ulbrich, Wolfgang: *See—*
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Ulderup, Jorgen: *See—*
Lange, Gunter; and Ulderup, Jorgen, 3,782,797.

Ulert, Izaak A. Expansible mobile home. 3,815,949, 6-11-74, Cl. 296-23.00c.

Ulery, Harris Ellsworth, to Du Pont de Nemours, E. I., and Company. Electrolytic process for preparing dialkyltin compositions. 3,823,077, 7-9-74, Cl. 204-59.0qm.

Ulffers, Heinz: *See—*
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Ulicki, Edward M., to Telebeam Corporation. Communication system with premises access monitoring. 3,814,841, 6-4-74, Cl. 178-5.100.

Ulin, Carl-Otto. Device in a type printer. 3,804,225, 4-16-74, Cl. 197-49.000.

Ulisch, Gunter: *See—*
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Ullman, John E., to Huntingdon Industries Incorporated. Box forming and filling method and machine. 3,832,826, 9-3-74, Cl. 53-35.000.

Ullman, Robert: *See—*
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Folkenroth, Earl Earnest; and Ullman, Robert, 3,853,156.
Ullmann, Martin. Machine for the manufacture of cords and ropes. 3,831,361, 8-27-74, Cl. 57-25.000.
Ullmann, Werner; Rabian, Laszlo; and Saglini, Marco, to A.G. fur Industrielle Elektronik Agie Losone bei Locarno. Drive apparatus for machine tool feed motors. 3,806,788, 4-23-74, Cl. 318-601.000.
Ullmann, Werner; Lammler, Victor; Mattei, Silvano; Sieg, Arno; Marti, Peter; and Rezzonico, Giuseppe, to A.G. fur Industrielle Elektronik AGIE. Electrode wire feed mechanism for electro-erosion machines. 3,822,374, 7-2-74, Cl. 219-69.000.
Ullmann, Werner; Sieg, Arno; Mattei, Silvano; and Schumacher, Bernd, to A.G. fur industrielle Elektronik AGIE. Superimposed motion electro-erosion electrode drive. 3,830,996, 8-20-74, Cl. 219-69.00v.
Ullrich, Leonard E.: *See—*
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Schuterer, Erich; Ulm, Klaus; Rebsdat, Siegfried; and Wimmer, Ignatz, 3,824,296.
Ulmachneider, Lawrence A.; and Dowling, Edward H., to Eastman Kodak Company. Injection molding apparatus. 3,833,329, 9-3-74, Cl. 425-246.000.
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Ulmer, Robert P.: *See—*
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Ulmer, Walter R.; and Rander, Kiran J., to Allergan Pharmaceuticals. Soft contact lens case. 3,822,780, 7-9-74, Cl. 206-5.100.
Ulrich, Bernhard, Jr., to Tex-Trans, Inc. Hydraulic power transmission and braking system for vehicles. 3,827,239, 8-6-74, Cl. 60-420.000.
Ulrich, Donald Aloysious, Jr., to Procter & Gamble Company, The. Hydrolytically unstable polyurethane catamenial devices. 3,809,088, 5-7-74, Cl. 128-285.000.
Ulrich, Henri: *See—*
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Smith, Curtis P.; and Ulrich, Henri, 3,803,225.
Smith, Curtis P.; and Ulrich, Henri, 3,855,363.
Ulrich, Henri; Stuber, Fred A.; and Broggi, Allen J., to Upjohn Company, The. Novel compounds and process. 3,792,025, 2-12-74, Cl. 260-78.0st.
Ulrich, Henri; Stuber, Fred A.; and Broggi, Allen J., to Upjohn Company, The. Radiation sensitive polymers. 3,794,626, 2-26-74, Cl. 260-78.50t.
Ulrich, Henri; and Stuber, Fred A., to Upjohn Company, The. Process of chemically bonding a dyestuff to a substrate. 3,844,787, 10-29-74, Cl. 96-35.100.
Ulrich, Henri; Stuber, Fred A.; and Broggi, Allen J., to Upjohn Company, The. Process for preparing lithographic plates. 3,856,523, 12-24-74, Cl. 96-33.000.
Ulrich, Klaus-Herbert: *See—*
Hartwig, Jurgen; Scheffler, Ulrich; and Ulrich, Klaus-Herbert, 3,849,269.
Ulrich, Klaus-Herbert, to Fried. Krupp Gesellschaft mit beschankter Haftung. Method for melting sponge metal using gas plasma in a cooled metal crucible. 3,843,352, 10-22-74, Cl. 75-10.00r.
Ulrich, Paul; Max, Basel; Kugler, Fritz; and Jost, Max, to Ciba-Geigy AG. Triazinyl vat dyestuffs. 3,787,406, 1-22-74, Cl. 260-249.000.
Ulrichsen, Borre Bengt, to A/S Kongsberg Vapenfabrikk. Method of cutting the edge of structural sheet or plate members on automatically controlled cutters. 3,783,036, 1-1-74, Cl. 148-9.00r.
Ulshoefer, Hermann: *See—*
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Uly-Pak, Inc.: *See—*
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Ulyanov, Lev Petrovich; and Karelin, Alexei Kuzmich. Quick response angle transducer. 3,836,260, 9-17-74, Cl. 356-152.000.
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Umbach, Wilfried; and Stein, Werner, to Henkel & Cie GmbH. Process for the production of alkyleneglycol esters. 3,824,263, 7-16-74, Cl. 260-410.600.
Umbaugh, Charles Wayne, to Honeywell Information Systems, Inc. Method in microcircuit package assembly providing nonabrasive, electrically passive edges on integrated circuit chips. 3,838,501, 10-1-74, Cl. 29-583.000.
Umbaugh, Charles Wayne, to Honeywell Information Systems, Inc. Method for assembling microelectronic apparatus. 3,855,693, 12-24-74, Cl. 29-626.000.
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Umeda, Hiroyuki; and Fukatsu, Shichiro, to Victor Company of Japan, Ltd. Automatic tape loading type magnetic recording and reproducing apparatus. 3,797,776, 3-19-74, Cl. 242-188.000.
Umeda, Jun-Ichi; Maruyama, Eiichi; and Ikegami, Kazutoshi, to Hitachi, Ltd. Voltage indicator employing a resistive network and light emitting diodes. 3,795,863, 3-5-74, Cl. 324-122.000.
Umeda, Jun-Ichi; Aiki, Kunio; Kurata, Kazuhiro; and Kusumoto, Hazime, to Hitachi, Ltd. Light emitting diodes of the injection type. 3,813,587, 5-28-74, Cl. 317-235.00n.
Umeda, Kaoru, to Minolta Camera Kabushiki Kaisha. Electrically driven camera mechanisms. 3,800,310, 3-26-74, Cl. 354-171.000.

Umeda, Kaoru, to Minolta Camera Kabushiki Kaisha. Automatic film winding and shutter cocking mechanism. 3,820,140, 6-25-74, Cl. 354i171.000.
Umeda, Kaoru, to Minolta Camera Kabushiki Kaisha. Motor driven winding device for photographic camera. 3,840,884, 10-8-74, Cl. 354-204.000.
Umeda, Shozo: *See—*
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Umeda, Toshio: *See—*
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Umehara, Ryo; and Bekku, Fujio, to I. W. S. Nominee Company Limited. Method for the treatment of textile fibres. 3,849,848, 11-26-74, Cl. 28-72.170.
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Umezawa, Hamao; Takeuchi, Tomio; Shimada, Nobuyoshi; Nakayama, Yuya; and Kunishima, Mamoru, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. 5-Dihydrocoriolin C. 3,810,924, 5-14-74, Cl. 260-348.00c.
Umezawa, Hamao; Tanabe, Osamu; and Takeuchi, Tomio, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Hypotensive agent, oudenone, its salts and processes for production and preparation thereof. 3,835,170, 9-10-74, Cl. 260-438.100.
Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Maeda, Kenji; Hamada, Masa; and Hara, Takeshi, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Therapeutically useful compound, leupeptins and processes for the preparation thereof. 3,840,513, 10-8-74, Cl. 26-112.500.
Umezawa, Hamao; Takeuchi, Tomio; Aoyagi, Takaaki; Hamada, Masa; Maeda, Kenji; and Okami, Yoshiro, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Biologically active substance, pepstatin and production processes thereof. 3,840,516, 10-8-74, Cl. 260-112.500.
Umezawa, Hamao; Takahashi, Yasushi; Shirai, Tadashi; and Fujii, Akio, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Belomycinic acid and process for preparing thereof. 3,843,448, 10-22-74, Cl. 195-81.000.
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Douglas, Frank C.; Gregory, Thomas K.; and Stielau, Robert W., 3,811,940.
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Abernathy, William J.; and Snoddy, Lowell G., 3,813,183.

Ajioka, James S., granted to United States National Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457: Tsuda, George I.; and Leeper, William A., 3,803,617.
Ashworth, Billy R.; and Merrill, John T., IV, 3,824,707.
Banks, Bruce A., 3,802,262.
Bement, Laurence J., 3,797,098.
Bement, Laurence J., 3,842,485.
Billman, Kenneth W.; Rowley, Paul D.; and Stallcop, James R., 3,817,622.
Black, James M., 3,783,399.
Blumrich, Josef F., 3,789,947.
Booth, Franklin W.; and Bruce, Robert A., 3,828,524.
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Brown, Jeri Wexler, 3,805,303.
Bryant, Wayne H., 3,800,253.
Burch, Charles F., 3,820,286.
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Burk, Sanger M., Jr., 3,826,448.
Byers, David C.; and Banks, Bruce A., 3,826,729.
Byrne, Frank, 3,826,964.
Cambra, Joseph M., 3,795,840.
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Canning, Thomas N., 3,782,699.
Carraway, John B.; and Sumida, Joe T., 3,815,109.
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DiBattista, John D., 3,842,656.
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Eichenbrenner, Fred E.; and Imig, Leland A., 3,795,134.
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Hamlet, John F., 3,806,802.
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Hoover, Richard B., 3,821,556.
Houck, Walter H.; and Stigberg, Jon D., 3,848,190.
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Huff, Ronald G., 3,820,630.
Irick, Stephen C., 3,783,443.
Jackson, Charles R., Jr.; and Summerfield, Dallas G., 3,791,207.
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Jones, Robert A., 3,789,654.
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Kleinberg, Leonard L., 3,806,831.
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Ratcliff, Larry P., 3,820,741.
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Reinisch, Ronald F.; Gloria, Hermilo R.; Goldsberry, Ronald E.; and Adamson, Michael J., 3,803,090.
Riccitiello, Salvatore R.; and Parker, John A., 3,819,550.
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Schindler, Rudolf A., 3,809,481.
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Schuller, Fredrick T.; and Moore, Warren A., 3,830,552.
Schwartz, Ira R., 3,830,431.
Schwarz, Francisc C., 3,808,511.
Sinclair, Archibald R.; Burcher, Ernest E.; and Katzberg, Stephen J., 3,857,031.
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Whitehead, Charles W., 3,817,084.
Wilkins, Judd R.; and Mills, Stacey M., 3,841,973.
Wilkins, Judd R.; and Mills, Stacey M., 3,850,754.
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Wojtasinski, Ronald J.; and Lovall, Donald D., 3,820,095.
Woollam, John A.; Beale, Harry A.; and Spain, Ian L., 3,849,875.
Wyman, Charles L.; and Howe, Thomas L., 3,842,509.
Yang, Lien C.; and Murphy, Arthur J., 3,798,896.
Yang, Lien C.; and Menichelli, Vincent J., 3,812,783.
Zeiger, Robert J.; and Gerdts, John C., 3,818,775.
Zorumski, William E., 3,830,335.

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Aisenberg, Sol. Doppler shift system. 3,795,448, 3-5-74, Cl. 356-28.000.
Appleberry, Walter T. Device for measuring tensile forces. 3,820,388, 6-28-74, Cl. 73-141.00a.
Bilow, Norman; and Akawie, Richard I. Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids. 3,801,617, 4-2-74, Cl. 260-448.20n.
Bogner, Richard S.; and Farris, Charles D. Storage battery comprising negative plates of a wedge-shaped configuration. 3,790,409, 2-5-74, Cl. 136-20.000.
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Burdin, Clifford. Phase-locked servo system. 3,851,238, 11-26-74, Cl. 318-649.000.
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Christopher, P. A.; Gross, W. J.; Henley, W. H.; and Swirsky, B. D. Method of fabricating an object with a thin wall having a precisely shaped slit. 3,798,741, 3-26-74, Cl. 29-423.000.
Clements, Philip A. System for stabilizing cable phase delay utilizing a coaxial cable under pressure. 3,790,906, 2-5-74, Cl. 333-16.000.
Clemons, Paul W. Device for configuring multiple leads. 3,815,205, 6-11-74, Cl. 29-203.0mw.
Cook, Thomas A.; and Scheibe, Hans. Metering gas dispensing precisely measures charges of fluid. 3,790,037, 2-5-74, Cl. 222-324.000.
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Doland, George D. Method and apparatus for decoding compatible convolutional codes. 3,831,142, 8-20-74, Cl. 340-146.1aq.
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Hauge, Geir; and Pederson, Christ W. Low distortion automatic phase control circuit. 3,808,517, 4-30-74, Cl. 323-106.000.

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Heckler, Clarence H., Jr.; Baba, Paul D.; and Bhiwandker, Nutan C. Method for making conductors for ferrite memory arrays. 3,849,877, 11-26-74, Cl. 29-604.000.

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Kurvin, Charles W. Remote platform power conserving system. 3,851,250, 11-26-74, Cl. 325-4.000.

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Lindsey, William C.; and Simon, Marvin K. Coherent receiver employing nonlinear coherence detection for carrier tracking. 3,828,138, 8-6-74, Cl. 179-15.00bc.

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McCreight, Louis R. Electrophoretic sample insertion. 3,814,678, 6-4-74, Cl. 204-180.00r.

Morrison, Harry D.; and Carmin, Dorrie L., Jr. Anti-fog composition. 3,856,534, 12-24-74, Cl. 106-13.000.

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Unnah, Kenneth Vincent, to Associated Biomedic Systems, Inc. Electronic motorless stirrer. 3,786,325, 1-15-74, Cl. 318-138.000.
Unno, Yoshio. Ping-pong table with swing top board. 3,823,938, 7-16-74, Cl. 273-30.000.
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Uno, Naoyuki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Light-measuring method and structure for cameras. 3,810,202, 5-7-74, Cl. 354-23.000.
Uno, Naoyuki; and Nomura, Katsuhiko. Mechanism for indicating condition of operability of an electrically controlled camera shutter. 3,824,612, 7-16-74, Cl. 354-266.000.
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Uno, Naoyuki; and Urano, Fumio, to Asahi Kogaku Kogyo Kabushiki Kaisha. Film count indicating means for cameras that can perform multiple overlapping exposure. 3,829,876, 8-13-74, Cl. 354-209.000.
Uno, Naoyuki; and Watanabe, Koichiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Spring brake. 3,837,441, 9-24-74, Cl. 188-82.600.
Uno, Naoyuki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic exposure camera with overexposure and underexposure control. 3,839,723, 10-1-74, Cl. 354-37.000.
Uno, Naoyuki; Nomura, Katsuhiko; Sakazaki, Tadazumi; Watanabe, Koichiro; Miyata, Katsuhiko; and Urano, Fumio, to Asahi Kogaku Kogyo Kabushiki Kaisha. Method and apparatus for measuring light which flickers. 3,850,530, 11-26-74, Cl. 356-226.000.
Uno, Taiko; and Uosaki, Kohei, to Mitsubishi Petrochemical Company Limited. Method for the treatment of cyanide-containing wastes. 3,847,765, 11-12-74, Cl. 204-151.000.
Uno, Yoshihiro, to Matsushita Electric Industrial Company Limited. Apparatus for erasing an optical image stored in a storage tube. 3,796,907, 3-12-74, Cl. 315-101.000.
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Untamo, Peter Pentti, to Bell Telephone Laboratories, Incorporated. Parallel inverter with saturable reactor current control. 3,806,792, 4-23-74, Cl. 321-25.000.
Unterberger, Robert R., to Chevron Research Company. Method of mapping bedding interfaces in a permafrost zone of an earth formation by electromagnetic radiation. 3,828,245, 8-6-74, Cl. 324-6.000.
Unterborn, Ralph D.; Bodem, Roy C.; and Wanner, Joseph W., to General Motors Corporation. Mechanically actuated hydraulic vehicle leveling system. 3,825,243, 7-23-74, Cl. 267-65.000.
Untermyer, Samuel, to National Nuclear Corporation. Method and apparatus for nuclear fuel assay with a neutron source and coincident fission neutron detectors. 3,786,256, 1-15-74, Cl. 250-391.000.
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Updike, Stuart J., to Wisconsin Alumni Research Foundation. Method and apparatus for dialysis. 3,846,236, 11-5-74, Cl. 195-1.800.
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Upmeier, Hartmut, to Windmoller & Holscher. Extruder for plastic material having a flow divider and means for maintaining the same distribution of temperature gradients in the divider flow. 3,802,825, 4-9-74, Cl. 425-378.000.
Upmeier, Hartmut, to Windmoller & Holscher. Apparatus for making, flattening and hauling off blown tubular plastics film. 3,804,571, 4-16-74, Cl. 425-326.000.
Upmeier, Hartmut, to Windmoller & Holscher. Apparatus for making tubular plastics film by means of a blowhead. 3,804,572, 4-16-74, Cl. 425-326.00r.
Upmeier, Hartmut. Extruder for plastics material, particularly thermoplastic or non-cross-linked elastomeric materials. 3,852,013, 12-3-74, Cl. 425-376.000.
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Upright, Robert. Snowball forming device. 3,836,308, 9-17-74, Cl. 425-318.000.
Upton, Ernest W., to General Motors Corporation. Hydrodynamic unit with auxiliary rotor. 3,785,155, 1-15-74, Cl. 60-347.000.
Upton, Ernest W., to General Motors Corporation. Fluid unit with auxiliary rotor. 3,808,809, 5-7-74, Cl. 60-347.000.
Upton, Kurtis D. Board game apparatus. 3,831,944, 8-27-74, Cl. 273-131.0bb.
Upton, Lee O., to American Optical Corporation. Lead borosilicate optical glass adaptable to fusion with photochromic glass to produce multifocal lens. 3,801,336, 4-2-74, Cl. 106-53.000.
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Urade, Toshinori; and Hirose, Tadatsugu, to Fujitsu Limited. Display system for plasma display panels. 3,839,713, 10-1-74, Cl. 340-324.00m.
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Uraneck, Carl A.; and Smith, Richard L., to Phillips Petroleum Company. Preparation of organometal terminated polymers. 3,845,030, 10-29-74, Cl. 260-94.70a.
Uraneck, Carl A.; and Burleigh, John E., to Phillips Petroleum Company. Emulsion polymerization process utilizing organosulfur molecular weight modifier premixed with emulsifier and reducing agent. 3,855,188, 12-17-74, Cl. 260-84.300.
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Vacano, Nickolas Lothar, to Rainier Companies, Inc., The. Brewing apparatus. 3,814,003, 6-4-74, Cl. 99-276.000.
Vacarro, Angelo M.: *See*—
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Vaccari, Franco. Ski boot. 3,824,713, 7-23-74, Cl. 35-2.5al.
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Vacek, Lubomir C., to Sherwin-Williams Company, The. Method for producing isatoic anhydride and 3-azaisatoic anhydride. 3,828,038, 8-6-74, Cl. 260-244.00a.
Vacher, Pierre, to U.S. Philips Corporation. Circuit arrangement for generating a sawtooth current through a deflection coil. 3,784,871, 1-8-74, Cl. 315-27.0td.
Vacherot, Maurice G.: *See*—
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Vachuda, George W., to Texaco Inc. Molecular sieve selective adsorption process. 3,825,490, 7-23-74, Cl. 208-310.000.
Vackman, William R., Jr., to Raytheon Company. Sonar depth tracking system. 3,839,680, 10-1-74, Cl. 328-146.000.
Vacmetal Gesellschaft fur Vakuum-Metallurgie mbH: *See*—
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Vadas, Leslie, to Castle & Cooke, Inc. Pineapple slitting and conveying. 3,818,788, 6-25-74, Cl. 83-9.000.
Vadas, Leslie, to Castle & Cooke, Inc., mesne. Pineapple recording, segmenting and chunking. 3,826,185, 7-30-74, Cl. 99-548.000.
Vadas, Leslie, to FMC Corporation. Table top pineapple slicing and chunking. 3,831,469, 8-27-74, Cl. 83-39.000.
Vadeboncoeur, Leo; and Tremblay, Alain, to Jarry Precision Limited. Drive sheave. 3,808,900, 5-7-74, Cl. 74-230.17e.
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Vaganay, Jean; and Ousset, Robert A., to Societe Nationale des Poudres et Explosifs. Explosive composition containing TNT, HMX, and RDX. 3,785,889, 1-15-74, Cl. 149-92.000.
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Vail, Robert W., to Rockwell International Corporation. Paper cutting machine. 3,790,876, 2-5-74, Cl. 318-603.000.
Vaill, John L., to Torrington Company, The. Apparatus for making spiral corrugations. 3,796,078, 3-12-74, Cl. 72-77.000.
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Vaillant, Christian; and Menissez, Jean-Pierre, to Fives-Cail Babcock. Self-propelled crusher unit. 3,848,817, 11-19-74, Cl. 241-101.700.
Vaillant, Christian; and Menissez, Jean-Pierre, to Fives-Cail Babcock. Mobile crusher unit. 3,848,818, 11-19-74, Cl. 241-101.700.
Vaillant, Joh, K.G.: *See*—
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Vald. Henriksen A/S: *See—*
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Valdeck, James. Apparatus and method for making needle tubing. 3,794,803, 2-26-74, Cl. 219-61.000.

Valdelievre, Etienne, to Inter Textiles Europeen. Process for producing ply yarn from threads of fibers. 3,855,775, 12-24-74, Cl. 57-140.0by.

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Valdo, Alex R., to Ethyl Corporation. Foamed metal bodies. 3,848,666, 11-19-74, Cl. 165-168.000.

Vale, Raymond J. Brass musical instrument practice device. 3,853,034, 12-10-74, Cl. 84-465.000.

Valek, Robert J., to Motorola, Inc. Magnetic sensor device for ignition systems. 3,855,983, 12-24-74, Cl. 123-146.50a.

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Valenta, Antonin. Shoe liners. 3,828,792, 8-13-74, Cl. 128-619.000.

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Valenta, James D.; Cibulka, Anthony B.; and Drabkin, Stephen H., to Airco, Inc. Medical humidifier. 3,804,102, 4-23-74, Cl. 261-142.000.

Valenta, James D.; Sielaff, Ulrich; and Drabkin, Stephen H., to Airco, Inc. Respirator. 3,831,595, 8-27-74, Cl. 128-145.800.

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Valente, Peter Reginald, to Hallite Holdings Limited. Scraper rings. 3,782,736, 1-1-74, Cl. 277-24.000.

Valente, Raymond L.; and Bonomo, Otto A., to Manco Mfg. Co. Auto space mechanism for fabricating apparatus. 3,787,947, 1-29-74, Cl. 29-208.00c.

Valente, Raymond L., to Manco Mfg. Co. Apparatus for fabricating elongated structural members, or the like. 3,803,961, 4-16-74, Cl. 83-71.000.

Valente, Raymond L., to Manco Mfg. Co. Flange punch positioning apparatus. 3,817,135, 6-18-74, Cl. 83-368.000.

Valente, Raymond L., to Manco Mfg. Co. Machine tool with swingable tool mount. 3,830,129, 8-20-74, Cl. 83-552.000.

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Valentine, Edith. Combination sheet and pillowcase. 3,800,340, 4-2-74, Cl. 5-334.00r.

Valentine, Gordon A., to Stanley Aviation Corporation. Head restraint apparatus. 3,841,590, 10-15-74, Cl. 244-138.00r.

Valentine, Harry M., to Bendix Corporation, The. Breathing and failure detection system for spring brakes. 3,800,668, 4-2-74, Cl. 91-399.000.

Valentine, John P.; and Luley, Wilbert E., to Allied Chemical Corporation. Gas purification. 3,824,766, 7-23-74, Cl. 55-48-.000.

Valentine, Richard E., to Addressograph-Multigraph Corporation. Pressure assist for roller platen data recorder. 3,802,341, 4-9-74, Cl. 101-269.000.

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Valentino, Paul. Battery charger adapter. 3,783,439, 1-1-74, Cl. 339-234.000.

Valentyik, Laszlo; and Patton, John T., to Michigan Technological University, Board of Control. Stabilization of suspensions used in heavy-media separation processes. 3,857,489, 12-31-74, Cl. 209-172.500.

Valenzuela, Ephren, Jr. Air conditioner control. 3,785,165, 1-15-74, Cl. 62-158.000.

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Valla, Angelo. Elastic road bridge joint. 3,838,931, 10-1-74, Cl. 404-69.000.

Vallance, James K., to Ford Motor Company. High performance seal assembly for a gas turbine engine. 3,805,882, 4-23-74, Cl. 165-9.000.

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Vallee, Richard E.; and Vallee, Gerald E. Refrigerator/freezer safety device. 3,834,076, 9-10-74, Cl. 49-2.000.

Vallejo, Amadeo T., to Lee, Raymond, Organization, Inc., The. Knot untying string puzzle. 3,843,134, 10-22-74, Cl. 273-153.00r.

Valles, Benjamin Vera, to Litton Systems, Inc. High temperature resistant door seal for a microwave oven. 3,846,608, 11-5-74, Cl. 219-101.550.

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Vallier, Raymond G., to Western States Envelope Company. Cutting press. 3,788,179, 1-29-74, Cl. 83-437.000.

Vallinotto, Michele; and Villata, Luigi. Clamp device, adapted to be assembled in sequence, for supporting and retaining pipes, cables and the like. 3,847,331, 11-12-74, Cl. 248-74.0ph.

Vallis, Joseph. Nail brush. 3,843,991, 10-29-74, Cl. 15-167.00r.

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Valo, Antti Tapani. Cutter head for a bark removing machine. 3,842,873, 10-22-74, Cl. 144-218.000.

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Valyi, Emery I. Apparatus for making composite plastic articles. 3,813,198, 5-28-74, Cl. 425-112.000.

Valyi, Emery I. Method for the production of composite articles. 3,816,580, 6-11-74, Cl. 264-97.000.

Valyi, Emery I. Method for the production of composite containers. 3,851,030, 11-26-74, Cl. 264-97.000.

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Mallory, Peter E.; Davis, Raehn; and van de Houten, Richard S., 3,854,011.

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Van Den Bergh, Armand Maria: *See*—
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van der Burg, Willem Jacob, to Akzona Incorporated, mesne. Fused imidazolidine derivatives. 3,850,956, 11-26-74, Cl. 260-309.700.

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Van der Meer, Jan, to Polaroid Corporation. Photographic camera support. 3,833,916, 9-3-74, Cl. 354-293.000.

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van der Merwe, Izak Francois. Oil pressure detector. 3,853,110, 12-10-74, Cl. 123-198.0db.

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Cahill, John G.; Sharma, Bhim S.; and van der Meulen, Yde J., 3,796,882.

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Van Der Steen, Gerardus Henricus Antonius Maria: *See*—
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van der Sterren, Martin L.: *See*—
Van Meijel, Henricus J. M.; and van der Sterren, Martin L., 3,829,208.

Van der Veen, Marcus Fokke: *See*—
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Van Der Wal, Bertus, to Polak's Frutal Works N.V. Sulfur containing flavoring agents and their preparation. 3,803,172, 4-9-74, Cl. 260-327.00m.

Van Der Walt, Nicolaas; Bout, Bernardus J.; and Newington, Timothy J., to Anglo American Corporation of South Africa Limited. Smoke detectors. 3,824,422, 7-16-74, Cl. 313-218.000.

Van der Werf, Jan Evert: *See*—
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Van der Wijden, Franciscus Theodorus Maria, to Conrad-Stork B.V. Drilling apparatus. 3,830,319, 8-20-74, Cl. 175-215.000.

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Van Der Wolf, Rein Willemse: *See*—
Ridders, Johannes Antonius Maria; Van Der Wolf, Rein Willemse; and Mollet, Adrianus Josephus Theresia, 3,794,402.
Ridders, Johannes Antonius Maria; Van Der Wolf, Rein Willemse; and Mollet, Adrianus Josephus Theresia, 3,794,403.

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Van Der Zalm, Hendrikus: *See*—
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Van Der Ziel, Aldert; and Choe, Hyum Mook, to United States of America, Navy. Josephson junction amplifier. 3,783,402, 1-1-74, Cl. 330-61.00r.

Van Derhei, Vivian S. Rotatable pool table with ball biasing braking structure. 3,801,097, 4-2-74, Cl. 273-3.00b.

Van Derwater, Glen A., Jr., to Photographic Sciences Corporation. Camera control system. 3,790,262, 2-5-74, Cl. 352-84.000.

Van Dest, Jean Claude, to Massey-Ferguson, Inc. Multi-ratio transmission and controls therefor. 3,799,003, 3-26-74, Cl. 74-740.000.

Van Dest, Jean Claude, to Massey-Ferguson, Inc. Hydraulic valve control. 3,807,449, 4-30-74, Cl. 137-596.140.

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Van Deusen, George S.; and Teed, Richard K., to Riegel Textile Corporation. Apparatus and process for tacking fabrics. 3,845,529, 11-5-74, Cl. 28-4.00r.

Van Deventer, Arthur J.; and Poland, David R., to Dart Industries Inc. Glove inspection apparatus. 3,820,383, 6-28-74, Cl. 73-41.000.

van Diepenbroek, Alfred Erich Wibrandt, to Bronswerk-Apparatenbau N.V., v/h Moring & Steenaart. Apparatus for introducing a mist of water into a gas. 3,804,383, 4-16-74, Cl. 261-30.000.

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Van Dijk, Edsger Wybe. Radiator for central heating. 3,828,846, 8-13-74, Cl. 165-49.000.

Van Dijk, Edsger Wybe. Method and apparatus for forming undercut corrugations in sheet metal. 3,838,590, 10-1-74, Cl. 72-307.000.

Van Dijk, Jan; and Zwagemakers, Johannes Maria Antonius, to U.S. Philips Corporation. (Thenylidene amino)oxy) alkyl carboxylic acids and salts and esters thereof as analgesic and anti-inflammatory agents. 3,800,042, 3-26-74, Cl. 424-275.000.

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Van Dijk, Jan C., to Shell Oil Company. Apparatus for continuously producing tubular foamed polyurethane insulation. 3,797,981, 3-19-74, Cl. 425-110.000.

Van Dijk, Leonardus Petrus Jozef; Verhagen, Jan; Feutsch, Georg; and Korevaar, Geerlof Jan, to U.S. Philips Corporation. Communication system for the transmission of information between two terminal stations by pulse code modulation. 3,787,628, 1-22-74, Cl 179-15.0bf.

Van Dijk, Nicolaas; and Kulberg, Gerardus Huibrecht, to Searle, G. D., & Co. Scintillation camera with improved linearity. 3,851,177, 11-26-74, Cl. 250-366.000.

Van Dijum, Adalbertus Hermanus Jacobus Nieveen; and Uittenbogaard, Teunis Hermanus, to U.S. Philips Corporation. Input circuit for a television tuner. 3,813,602, 5-28-74, Cl. 325-319.000.

Van Dolah, Harry J.: *See*—
Ault, Alfred S.; Johnson, Le Roy A.; and Van Dolah, Harry J., 3,836,373.

Van Dommelen, Johannes A. W. J.: *See*—
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Van Donk, Cornelis; and Vermeulen, Geert Jan, to Ruti-Te Strake B.V. Weaving machine. 3,853,151, 12-10-74, Cl. 139-122.000.

Van Doorn, Donald W.; Hawkins, James B.; Plase, William C., III; and Couqueti, Jack L., to Lummus Industries, Inc. Apparatus for baling fibers and the like. 3,796,150, 3-12-74, Cl. 100-215.000.

Van Doorn, Donald W.; Hawkins, James B.; Pease, William C., III; and Colquett, Jack L., to Lummus Industries, Inc. Apparatus for wrapping bagging and the like about bales of fibers. 3,816,970, 6-18-74, Cl. 53-124.00c.

Van Doorn, Donald W.; Hawkins, James B.; and Williams, Roy T., to Lummus Industries, Inc. Cutter reels for fiber cutting apparatus. 3,831,481, 8-27-74, Cl. 83-674.000.

Van Doorn, Willem, to U.S. Philips Corporation. Transistor amplifier for broad-band information signals. 3,810,256, 5-7-74, Cl. 330-28.000.

Van Doorne, Guy Camille, to Labofina S.A. Lubricating grease. 3,809,649, 5-7-74, Cl. 252-33.200.

Van Doorne's Aanhangwagenfabriek N.V.: *See*—
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Van Doorne's Bedrijfswagenfabriek Daf B.V.: *See*—
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Van Doorselaer, Marcel Karel, to Agfa-Gevaert N.V. Radiographic colour material. 3,809,906, 5-7-74, Cl. 250-472.000.

Van Doorselaer, Marcel Karel; Danckaert, Valere Frans; and Benoy, Gaston Jacob, to Agfa-Gevaert, N.V. Process for producing photographic silver images. 3,820,991, 6-28-74, Cl. 96-22.000.

Van Dorn Company: *See*—
Heuckroth, Carl C., 3,796,212.
McKernan, Bernard J., 3,784,048.
Placek, Eugene W., 3,800,858.
Rowe, Edgar R.; and Fox, William R., 3,826,404.
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van Dorp, David Adrian: *See*—
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Van Duuren, Kars; and Verhoeven, Adrianus Cornelis Johannes, to U.S. Philips Corporation. Method of interconnecting glass parts by passing through electric current. 3,816,087, 6-11-74, Cl. 65-40.000.

Van Duynhoven, Adrianus Henricus; and Vermeulen, Geert Jan, to N.V. Maschinefabriek L. te Strake. Control device for preparing weaving defects in a pneumatic weaving machine. 3,805,850, 4-23-74, Cl. 139-1.000.

Van Duynhoven, Adrianus Henricus; and Kaalverink, Gerardus Hendrikus, to Ruti-Te Strake B.V. Device for intermittently supplying measured weft yarn lengths to the weft inserting device of a shuttleless weaving machine. 3,853,153, 12-10-74, Cl. 139-127.000.

Van Dyck, Donald Edwin; and Weber, Jose Thomas, Jr., to Pennwalt Corporation. Ultrasonic measurements and ultrasonic monometer. 3,803,545, 4-9-74, Cl. 340-10.000.

Van Dyk & Company, Incorporated: *See*—
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Van Dyk, Garritt C., Jr., to Con-Ray, Inc.; a subsidiary of Red-Ray Manufacturing Company, Inc. Food processing apparatus. 3,815,488, 6-11-74, Cl. 99-339.000.

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Van Dyk Research Corporation: *See*—
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Erny, Daniel Richard, 3,799,465.
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Van Dyke, Lyle H. Two position telephone handset support. 3,830,987, 8-20-74, Cl. 179-157.000.

Van Dyke, Walter J.: *See*—
Reale, Salvatore J.; Eich, Clarence C.; Van Dyke, Walter J.; Dave, Rajnikant P.; and Whitney, Gilbert C., 3,799,123.

Van Ee, Gray R., to Iowa State University Research Foundation, Inc. Chopper pump. 3,807,644, 4-30-74, Cl. 241-46.080.

van Eekelen, Alex H. A.: *See*—
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Van Eekelen, Alex Herman A. M.: *See*—
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van Eijl, A. Theodorus, to Dow Chemical (Nederland) B.V. Process of producing hydrogen fluoride from fluosilicic acid. 3,855,399, 12-17-74, Cl. 423-483.000.

Van Elden, Hendricus: *See*—
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van Elk, Cornelis Johannes; and Morrien, Albertus Marinus, to U.S. Philips Corporation. Synchronization system. 3,823,266, 7-9-74, Cl. 178-69.50r.

Van Engeland, Josef Leonard; De Roo, Pierre Richard; Van Besauw, Jan Frans; and Poot, Albert Lucien, to Agfa-Gevaert N.V. Cleaning electrophotographic imaging surfaces. 3,793,018, 2-19-74, Cl. 96-1.00r.

Van Engeland, Jozef Leonard: *See*—
Van Besauw, Jan Frans; De Volder, Noel Jozef; Van Engeland, Jozef Leonard; and Poot, Albert Lucien, 3,817,868.

Van Engeland, Jozef Leonard; De Volder, Noel Jozef; Tavernier, Bernard Hippoliet; and Poot, Albert Lucien, to Gevaert-Agfa N.V. Dispersion of particles in an organic liquid. 3,793,015, 2-19-74, Cl. 96-1.01y.

Van Engeland, Jozef Leonard; Brichard, Claude; De Volder, Noel Jozef; Tavernier, Bernard Hippoliet; and Poot, Albert Lucien, to Glaverbel S.A. and Gevaert-Agfa N.V. Glass sheet drawing method and apparatus Dispersion of particles in an organic liquid. 3,79,015, 2-19-74, Cl. 65-95.000.

Van Engeland, Jozef Leonard; De Volder, Noel Jozef; and Timmerman, Daniel Maurice, to Agfa-Gevaert N.V. Electrostatic glass bead carrier material. 3,840,464, 10-8-74, Cl. 252-62.100.

Van Englehoven, Clarence, to King Radio Corporation. Optical course datum heading selection transducer. 3,857,032, 12-24-74, Cl. 250-231.00r.

van Esdonk, Johannes: *See*—
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Staas, Frans Adrianus; Melse, Jan Leendert; Van Esdonk, Johannes; Severijns, Adrianus Petrus; and Van de Mosselaer, Adrianus Pieter, 3,823,457.
Van Roosmalen, Johannes Hendrikus Theodorus; Haans, Petrus Franciscus Antonius; Van Esdonk, Johannes; and Hornman, Johannes Petrus, 3,801,848.

Van Esdonk, Johannes, to U.S. Philips Corporation. Method of applying a satisfactorily adhering, poorly reflecting, conductive layer to an insulating surface and electric discharge tube having a layer applied by said method. 3,813,293, 5-28-74, Cl. 117-217000.

van Esdonk, Johannes; and Poolman, Petrus Jacobus, to U.S. Philips Corporation. Measuring cell for determining oxygen concentrations in a gas mixture. 3,819,500, 6-25-74, Cl. 204-195.00s.

Van Esdonk, Johannes; Broers, Godefridus; Haans, Petrus Franciscus Antonius; and Hornman, Johannes Petrus, to U.S. Philips Corporation. Method of manufacturing a gas discharge panel. 3,837,958, 9-24-74, Cl. 156-229.000.

Van Esdonk, Johannes; and Jacobs, Jacobus Hubertus, to U.S. Philips Corporation. Gas discharge panel with apertured center plate having an oxidized surface. 3,842,308, 10-15-74, Cl. 313-188.000.

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Van Exel, Garrit A.; and Akin, Alfred A., Jr., to Bausch & Lomb Incorporated. Adapter stand for converting a binocular to a microscope. 3,804,486, 4-16-74, Cl. 350-18.000.

Van Exel, Gerrit A.; and Akin, Alfred A., Jr, to Bausch & Lomb Incorporated. Binocular. 3,829,194, 8-13-74, Cl. 350-76.000.

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Van Gaasbeek, Peter Hakkenberg; and Hebner, Theodore J., to Caterpillar Tractor Company. Hydrostatic button bearing with attitude control. 3,799,628, 3-26-74, Cl. 308-5.00r.

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Van Gemert, Josephus Antonius, to Van Gemert, N.V. Rotary soil working machine. 3,783,952, 1-8-74, Cl. 172-540.000.

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Van Gessel, Robert C.; and Van Kuik, Dirk J., to Steelcase Inc. Wiring access means. 3,787,605, 1-22-74, Cl. 174-48.000.

van Giessel, Robby: *See—*
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Van Gilder, Burrows Corson; and Moyer, Elmo Emerson, to Eltra Corporation. Ferroresonant battery charger circuit. 3,812,415, 5-21-74, Cl. 320-31.000.

Van Gils, Cornelis Johannes Maria, to U.S. Philips Corporation. Flyback EHT and sawtooth current generator. 3,793,555, 2-19-74, Cl. 315-29.000.

Van Gils, Gerard E. Method of improving wire adhesion to rubber. 3,802,906, 4-9-74, Cl. 117-49.000.

Van Gils, Gerard E., to General Tire & Rubber Company, The. Adhesive dip for bonding rubber to bright steel wire. 3,857,726, 12-31-74, Cl. 117-49.000.

Van Gilst, Carl, to Bangor Punta Operation, Inc. Animal enclosure and gate therefor. 3,788,280, 1-29-74, Cl. 119-99.000.

Van Goethem, Hugo Vital: *See—*
Reyniers, Albert August; Van Goethem, Hugo Vital; and Verelst, Johan Lodewijk, 3,793,026.

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Van Grecken, Gene, to Gvang Motor Company Pty. Limited. Energy conversion device. 3,841,802, 10-15-74, Cl. 418-66.000.

Van Grinsven, Petrus F. A., to Shell Oil Company. Process for the removal of cyclopentadiene from hydrocarbon mixtures. 3,832,416, 8-27-74, Cl. 260-861.50r.

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Van Handel, Ambrose B. Lining for artificial dentures. 3,785,054, 1-15-74, Cl. 32-2.000.

Van Handel, Ambrose B.; and Brent, Jerome J. Intra-oral method of making dentures. 3,813,777, 6-4-74, Cl. 32-2.000.

Van Handel, Ambrose B. Flexible artificial denture. 3,813,778, 6-4-74, Cl. 32-2.000.

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Van Hauter, Albert G. Toilet tank vapor dispenser. 3,796,350, 3-12-74, Cl. 222-95.000.

Van Hecke, George J.: *See—*
Chirco, Peter R.; and Van Hecke, George J., 3,792,645.

Van Heddegem, Luciaan H. E.: *See—*
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van Heelsbergen, Teunis Robert, to U.S. Philips Corporation. Plural motor tension controlled tape drive. 3,836,831, 9-17-74, Cl. 318-7.000.

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van Heijst, Willem Jan, to N.V. Industrieele Handelscombinatie Holland. Piping between a buoy and a stationary conduit. 3,841,357, 10-15-74, Cl. 138-120.000.

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Van Hekken, Frans: *See—*
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Van Hekken, Frans, to RCA Corporation. Color television picture tube screening method. 3,782,253, 1-1-74, Cl. 95-1.00r.

van Helden, Robert: *See—*
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Van Helleputte, Roger Joseph Victor, to Em D'Hooge N.V., naamloze vennootschap. Device for automatic opening, respectively closing of a curved sliding door or similar with regard to a concentric opening. 3,827,182, 8-6-74, Cl. 49-40.000.

Van Hengel, Anthonie, to Hulettis Sugar Corporation Limited. Evaporators with mixing condensers. 3,784,450, 1-8-74, Cl. 202-185.000.

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Van Herpen, Frederik Corneles. T-section astragal. 3,806,175, 4-23-74, Cl. 292-147.000.

Van Herten, Jozef Marie, to Oce-Van der Grinten N.V. Method and apparatus for folding sheets such as drawings. 3,831,927, 8-27-74, Cl. 270-79.000.

Van Heyningen, Arent H.; and Engelhardt, Bjorn H., to Raytheon Company. Minimal dissipation power controller. 3,832,643, 8-27-74, Cl. 330-15.000.

Van Heyningen, Earle M., to Lilly, Eli, and Company. Substituted 3-pyridinemethanols and methanes. 3,794,656, 2-26-74, Cl. 260-290.00r.

Van Heyningen, Roger S.: *See—*
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Van Hijfte, Herman Michel; and Ehbel, Jan Dirk, to Hollandse Signaalapparaten B.V. Pulse radar apparatus. 3,855,593, 12-17-74, Cl. 343-7.00a.

Van Hirtum, Martinus Johannes; and Lenders, Wichelmus Leonard Louis, to U.S. Philips Corporation. Bobbin. 3,783,425, 1-1-74, Cl. 336-189.000.

Van Hook, Arthur R.: *See—*
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Van Horn, Charles A., to Chemetron Corporation. Method and apparatus for controlling heat effect in metal cutting operations. 3,815,883, 6-11-74, Cl. 266-23.00t.

Van Horn, Charles A., to Chemetron Corporation. Method for controlling heat effect in metal cutting operations. 3,855,011, 12-17-74, Cl. 148-9.00r.

Van Horn, Joseph M.; Epstein, Paul; and Phillipps, Patrick G., to Brattle Instrument Corporation. Biological signals monitor. 3,811,428, 5-21-74, Cl. 128-2.06f.

Van Horn, Lawrence E.; Elliot, William H.; and Schuchmann, Russell P., to Cutler-Hammer, Inc. Off-delay timing apparatus. 3,784,881, 1-8-74, Cl. 317-141.00s.

Van Horn, Richard F.: *See—*
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Van Horn, Robert Eldon. Intensifier system. 3,827,830, 8-6-74, Cl. 417-225.000.

Van Horne, William E.; and Williams, Paul, to Infra Systems, Inc., mesne. Standardization of infrared measuring system. 3,803,414, 4-9-74, Cl. 250-339.000.

Van House, Robert M.; and Mayne, Jimmy C., to General Motors Corporation. Anti-lock brake pressure modulator. 3,837,711, 9-24-74, Cl. 303-21.00f.

Van Houten, George Robert, to United States of America, Atomic Energy Commission. Fine-grained zirconium-base material. 3,782,924, 1-1-74, Cl. 75-122.500.

Van Houwelingen, Jan: *See—*
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Van Houwelingen, Jan; Van Osch, Gerardus Wouter Serge; and Weelink, Anton Maarten Herman, to Control Data Corporation. Novel electrochemical electrode assembly. 3,824,171, 7-16-74, Cl. 204-195.00m.

Van Hove, Camille Cesar, to Buchmann Optical Industries. Device for the feeding of optical glasses, particularly for spectacles, to a glass-treating machine and for the removal of said glasses therefrom. 3,857,205, 12-31-74, Cl. 51-134.000.

Van Huis, Robert L., to U.S. Industries, Inc. Adjustable air inlet. 3,808,960, 5-7-74, Cl. 98-41.00r.

Van Huisen, Allen T. Earth heat energy displacement and recovery system. 3,805,885, 4-23-74, Cl. 165-45.000.

Van Huisen, Allen T., 50% to Kinichi, Watase. Geothermal channel and harbor ice control system. 3,807,491, 4-30-74, Cl. 165-45.000.

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Van Hulstijn, Hendrik; and Graton, Henri, to Compagnie Generale d'Equipement Maritime Hersent. Rotatable distributors. 3,838,720, 10-1-74, Cl. 141-387.000.

Van Huuksloot, Leendert, to Nemag N.V. Cable-operated mechanical grapple. 3,807,783, 4-30-74, Cl. 294-70.000.

Van Ingen, Jan Willem Frederik: *See—*
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Van Iseghem, Edmond J., Jr. Fishing lure. 3,791,064, 2-12-74, Cl. 43-26.200.

Van Kamp, Harmen; Westerhof, Pieter; and Morsink, Lucas, to U.S. Philips Corporation. Novel 1,2-methylene-9β-10Δ-steroid compounds, pharmaceutical preparations which contain the novel substances as active ingredients, and methods of producing the said compounds and preparations. 3,836,526, 9-17-74, Cl. 260-239.55r.

Van Kampen, Daniel Marten; and Weenen, Jacobus Hendricus Marinus, to Lever Brothers Company. Detergent composition. 3,784,476, 1-8-74, Cl. 252-109.000.

Van Kanduyt, Dennis C.: *See—*
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Van Kessel, Theodorus Jozef; Van De Plassche, Rudy Johan; and Voorman, Johannes Otto, to U.S. Philips Corporation. Device for converting an input voltage into an output current or vice versa. 3,825,774, 7-23-74, Cl. 307-260.000.

van Kleef, Alfred L., to Shell Oil Company. Liquid discharge member for liquid-vapor contacting tray. 3,822,869, 7-9-74, Cl. 261-114.00r.

Van Klinken, Jakob, to Shell Oil Company. Hydrodesulfurization with expanded or moving bed of catalyst having specific particles diameter and specific pore diameter. 3,785,967, 1-15-74, Cl. 208-216.000.

Van Klinken, Jakob; Kouwenhoven, Herman Wouter; and Van Weeren, Pieter Albert, to Shell Oil Company. Hydrocracking and hydrodesulfurization utilizing a salt-containing neutralized silica-alumina support calcined at different temperature ranges. 3,810,830, -14-74, Cl. 208-111.000.

Van Koten, Gerard; and Leusink, Andre J., to International Copper Research Association, Inc. Aryl copper compounds and the salt complexes thereof. 3,798,248, 3-19-74, Cl. 260-429.700.

Van Krimpen, Pieter C. A.; and Wetzler, Victor M. B., to Stamicarbon N.V. Process for preparing a fibre fleece. 3,798,298, 3-19-74, Cl. 264-210.00f.

van Kronenburg, Leonardus Henricus Adrianus Theresia: *See—*
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Van Laar, Jacobus; and Felthuis, Jacob, to Hoogovens Ijmuiden B.V. Furnace. 3,788,622, 1-29-74, Cl. 266-32.000.

Van Laar, Jacobus; and Van Basten, Leo E. F., to Koninklijke Nederlandsche Hoogovens en Staalfabrieken N.V. Metallurgival shaft furnace lined by refractory elements and filler spagers. 3,805,466, 4-23-74, Cl. 52-249.000.

Van Laar, Jacobus; Felthuis, Jacob; and Weber, Hendrik Gustaaf Otto, to Hoogovens Ijmuiden, B.V. Heat regenerator. 3,806,313, 4-23-74, Cl. 432-214.000.

van Laar, Jacobus, to Koninklijke Nederlandsche Hoogovens en Staalfabrieken, N.V. Refractory structure, particularly for a metallurgical shaft furnace. 3,846,068, 11-5-74, Cl. 432-251.000.

Van Laethem, Robert: *See—*
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Van Laethem, Robert; Baudin, Pol; and Hoyois, Jean-Claude, to Glaverbel S.A. Mirror having electrical heating means. 3,790,748, 2-5-74, Cl. 219-219.000.

Van Laethem, Robert, to Glaverbel S.A. Glass laminate and method of manufacture. 3,799,817, 3-26-74, Cl. 156-3.000.

Van Laethem, Robert; and Baudin, Pol, to Glaverbel S.A. Multiple glazing panel and manufacturing method therefor. 3,801,423, 4-2-74, Cl. 161-117.000.

Van Laethem, Robert, to Glaverbel S.A. Strengthened laminated panels. 3,806,400, 4-23-74, Cl. 161-44.000.

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Van Langenhoven, Jules E., to Victor Comptometer Corporation. Caseless ammunition and propellant and method of making same. 3,854,400, 12-17-74, Cl. 102-38.000.

Van Leemput, Hendrick Jozef, to National Forge Company. Mold apparatus for isostatic pressing of hollow parts. 3,824,051, 7-16-74, Cl. 425-78.000.

Van Leemputten, Ekkerhard; and Horisberger, Marc, to Societe d'Assistance Technique pour Produits Nestle S.A. Preparation of immobilized enzymes. 3,821,083, 6-28-74, Cl. 195-63.000.

van Leer, Roger, to Lear Siegler, Inc. Gyro hunt damping circuit. 3,794,894, 2-26-74, Cl. 318-184.000.

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Van Leuwen, Bruce G.: *See—*
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Van Lierop, Joseph Gijsbertus, to U.S. Philips Corporation. Method of manufacturing a semiconductor device and device manufactured by the method. 3,811,975, 5-21-74, Cl. 156-13.000.

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van Loo, Carl G.: *See—*
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Van Lookeren Campagne, Nicolaas, to Shell Oil Company. Process and waste-heat boiler for cooling soot-containing synthesis gas. 3,788,281, 1-29-74, Cl. 122-7.00r.

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Van Mal, Harmannus Hinderikus; Mijnheer, Andries; Rauwerdink, Hendrik Jan; and De Wit, Johannes Adrianus, to U.S. Philips Corporation. Control device for maintaining the level of a liquefield gas in a container between two different limits. 3,845,636, 11-574, Cl. 62-55.000.

Van Malderghem, Edmund G., to Moore Business Forms, Inc. Envelope assembly with removable transfer sheets. 3,854,654, 12-17-74, Cl. 229-69.000.

Van Meijel, Henricus J. M.; and van der Sterren, Martin L., to Oce-van der Grinten N.V. Copying apparatus. 3,829,208, 8-13-74, Cl. 355-3.000.

Van Meter, Edmin L., to Gross-Given Mfg. Company. Vending machine circuitry. 3,828,905, 8-13-74, Cl. 194-10.000.

Van Meter, James Adams. Match book holder. 3,797,651, 3-19-74, Cl. 206-107.000.

Van Mill, Johannes Godfried Antonius: *See—*
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Van Oostrum, Karel Jan, to U.S. Philips Corporation. Device for recording diffraction images. 3,800,081, 3-26-74, Cl. 178-7.200.
Van Opijnen, L. J., to Tympanium Corporation. Electronic voltage regulator for battery charging. 3,857,082, 12-24-74, Cl. 320-25.000.
Van Orden, William H., to United Aircraft Corporation. Method of cutting thin, brittle material. 3,783,723, 1-8-74, Cl. 83-21.000.
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Van Osch, Gerardus Wouter Serge; Van Houwelingen, Jan; and Weelink, Anton Maarten Herman, to Control Data Corporation. Ion selective electrode comprising gold. 3,824,169, 6-16-74, Cl. 204-195.00m.
Van Ostrom, David L., to General Motors Corporation. Deceleration signaling apparatus having velocity and deceleration dependent signal. 3,794,972, 2-26-74, Cl. 340-62.000.
Van Paesschen, August Jean; Van Gossum, Lucien Janbaptist; and Preim, Jan Josef, to Agfa-Gevaert N.V. Plural coated sheet material containing photosensitive semiconductive particles. 3,788,856, 1-29-74, Cl. 96-87.00r.
Van Paesschen, August Jean; and Herbots, Joseph Antoine, to AGFA-Gevaert N.V. Motion picture film having a magnetic stripe. 3,840,374, 10-8-74, Cl. 96-84.000.
Van Paesschen, August Jean; and Herbots, Joseph Antonine, to Agfa-Gevaert N.V. Photographic materials with removable antihalation layers. 3,846,134, 11-5-74, Cl. 96-84.00r.
Van Paesschen, August Jean; and Herbots, Joseph Antoine, to Agfa-Gevaert Mortsel. Application of magnetic recording strips to motion picture film. 3,852,069, 12-3-74, Cl. 96-39.000.
Van Paesschen, August Jean; Herbots, Joseph Antoine; and Timmerman, Daniel Maurice, to Agfa-Gevaert N.V. Photographic polyester film material comprising antistatic layer. 3,856,530, 12-24-74, Cl. 96-87.00a.
Van Patten, Eric M.; O'Rell, Dale H.; and Kondrot, Leonard B., to American Maize-Products Company. Method for making pastry doughs. 3,792,176, 2-12-74, Cl. 426-157.000.
van Patten, Robert E., to United States of America, Air Force. Multi-axis bio-mechanical force measuring device. 3,835,702, 9-17-74, Cl. 73-133.00r.
Van Poelvoorde, Edward; and Van Der Zalm, Hendrikus, to Stamicarbon N.V. Process for preparing cyanoethylated ketones. 3,816,503, 6-11-74, Cl. 260-464.000.
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Van Poucke, Raphael Karel; Benoy, Gaston Jacob; and De Cat, Arthur Henri, to AGFA-Gevaert N.V. Yellow forming colour couplers for photographic silver halide material. 3,843,366, 10-22-74, Cl. 96-55.000.
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Van Raden, Earl M., to Mahon Industrial Corporation. Particle collecting device. 3,803,997, 4-16-74, Cl. 98-115.0sb.
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van Reesema, Nikolaas Hendrik Siewertsz. Method of preparing an organic cation exchanger. 3,830,799, 8-20-74, Cl. 260-213.000.
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Van Riemsdijk, Arnoldus J.; and Van den Berg, Waldo, to Shell Oil Company. Apparatus for inspection purposes, intended to be moved through a pipeline. 3,857,182, 12-31-74, Cl. 33-141.00g.
Van Riemsdijk, Gerardus Andriaan, to Smit Nijmegen Electrotechnische Fabrieken N.V. Driving mechanisms having multiple maltese driving gear. 3,818,747, 6-25-74, Cl. 74-436.000.
Van Rijsewijk, Henri Carel Haverkorn; Megens, Ludovious; and Oskam, Gerard-Hendrik, to U.S. Philips Corporation. Method of and device for mounting electric components on a mounting panel. 3,793,720, 2-26-74, Cl. 29-626.000.
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Van Riper, Robert S. Fastener device. 3,847,489, 11-12-74, Cl. 403-110.000.
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Van Rooy, Willem J. C. Electric power converters. 3,835,364, 9-10-74, Cl. 321-2.000.
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Van Ruler, Johannes; and Scholten, Pieter Cornelis, to U.S. Philips Corporation. Method of manufacturing a magnetic tape lacquer, and a magnetic tape manufactured with said lacquer. 3,810,840, 5-14-74, Cl. 252-62.540.
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van Sluys, Robert Nestor Joseph, to U.S. Philips Corporation. Noise reduction circuit. 3,818,362, 6-18-74, Cl. 330-30.00r.
van Sluys, Robert Nestor Joseph, to U.S. Philips Corporation. Noise reduction system. 3,829,715, 8-13-74, Cl. 307-264.000.

Van Slyke, Gary C. Inflatable weather seal for camper-truck combinations. 3,837,700, 9-24-74, Cl. 296-23.0mc.
van Slyke, William. Hydrogen sulfide synthesis. 3,819,817, 6-25-74, Cl. 423-563.000.
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Van Staveren, Pieter, to Nederlandse Organisate voor Toegepast Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer. Centrifugal fluid vanes compressor. 3,784,324, 1-8-74, Cl. 417-67.000.
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Van Tine, George K. Negative proof viewer. 3,785,073, 1-15-74, Cl. 40-63.00a.
Van Tol, Adrianus Gijsbertus. Board game apparatus. 3,833,221, 9-3-74, Cl. 273-134.00c.
Van Toorn, Cornelis Hendrik. Connector for an element of the coaxial type. 3,798,348, 3-19-74, Cl. 174-84.00s.
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Vandewalle, Jan Joseph Maurice: *See—*
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Vandewijer, Romain G. E.: *See—*
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Vandierendonck, Albert J., to United States of America, Air Force, mesne. Seismic signal intrusion detection classification system. 3,824,532, 7-16-74, Cl. 340-15.000.

Vandierendonck, Jerry L., to Texas Instruments, Incorporated. Power saving circuit for calculator system. 3,855,577, 12-17-74, Cl. 340-172.500.

Vandling, John M., to Singer Company, The. Modulated light communication system. 3,828,185, 8-6-74, Cl. 250-199.000.

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Vandrveen, John W., to Philips Petroleum Company. Method and apparatus for charging a burner. 3,834,854, 9-10-74, Cl. 431-9.000.

Vane, Rodney D. Microfiche camera. 3,840,300, 10-8-74, Cl. 355-53.000.

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Vangalis, Dan P. Pressurized hub cap for vehicle wheel. 3,785,706, 1-15-74, Cl. 301-108.00a.

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Vanjushin, Sergei Petrovich; and Bandakov, Leonid Fedorovich. Dermatome with a reciprocable knife. 3,820,543, 6-28-74, Cl. 128-305.000.

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Vanlerberghe, Guy: *See—*
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Vanlerberghe, Guy; and Rosenbaum, Georges, to Societe Anonyme dite: L'Oreal. Cosmetic skin coloring compositions containing aminated α-dialdehydes. 3,812,246, 5-21-74, Cl. 424-59.000.

Vanlerberghe, Guy, to Societe Anonyme dite: L'Oreal. Emulsion containing oil, water and as emulsifier the polycondensation product of glycidal on alpha diols with fatty chain. 3,821,372, 6-28-74, Cl. 424-170.000.
Vanlerberghe, Guy; and Sebag, Henri, to Societe Anonyme dite: L'Oreal. Cosmetic compositions containing anionic surface active agent containing mono- or polyhydroxylated mono- or poly ether chains and a terminal acid group. 3,822,346, 7-2-74, Cl. 424-70.00.
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Vann, Roy R. Retrievable blanking plug. 3,812,911, 5-28-74, Cl. 166-135.000.
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Vano, Gerald Lawrence, to Alden Research Foundation. Graphic electric recorder scanning device with printed recording strips. 3,827,056, 7-30-74, Cl. 346-74.00e.
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Van't Hof, Gustaaf. Boom arrangement for confining oil. 3,803,848, 4-16-74, Cl. 61-1.00f.
Vanti, Lamberto, to Fiat Societa Per Azioni. Servo-operated electrovalve. 3,814,134, 6-4-74, Cl. 137-627.500.
Vanti, Lamberto, to Sirai S.r.L. Societa Italiana Rizolatori Automatici Industriali. Electromagnetically operated valve. 3,823,736, 7-16-74, Cl. 137-596.170.
Vantine, Lynn R., to Sola Basic Industries, Inc. Switch mechanism for an oil switch. 3,818,167, 6-18-74, Cl. 200-150.00c.
Vanvenrooy, John J., to Sun Oil Company of Pennsylvania. Removing metal contaminants from petroleum residual oil. 3,839,187, 10-1-74, Cl. 208-214.000.
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Varga, Richard S.; and Szczepanski, Thomas R., to Goodrich, B. F., Company, The. Method of making flexible printing plates. 3,798,035, 3-19-74, Cl. 96-35.100.
Vargas, Armando Luis. Bubble gun with simultaneously operated air bulb and solution pump. 3,834,066, 9-10-74, Cl. 46-8.000.
Vargas, Robert J., to Motorola, Inc. Alternating current capacitor discharge ignition system. 3,842,816, 10-22-74, Cl. 123-148.00e.
Varga, Laszlo; Horvath, Tibo; Halasz, Maria; Csanyi, Endre; and Dumdovich, Boris, to Chinoin Gyogyszer- es Vegyeszeti Termekek Gyara RT. 2-Sulphonyloxy-ethylamino derivatives. 3,821,270, 6-28-74, Cl. 260-456.00a.
Vargiu, Silvio; Giovanni, Sesto S.; Passalenti, Beprino; and Nistri, Ugo, to Societa' Italiana S.I.R. S.p.A. Process for producing improved polyester resins by blending magnesium oxide therewith. 3,795,717, 3-5-74, Cl. 260-865.000.
Vargiu, Silvio; Giovanni, Sesto S.; and Pitzalis, Mario, to Societa' Italiana Resine S.I.R. S.p.A. Process for the preparation of self-extinguishing epoxy resins. 3,825,522, 7-23-74, Cl. 260-47.0ep.
Vargiu, Silvio; Mazzoleni, Giorgio; and Nistri, Ugo, to Societa' Italiana S.I.R. S.p.A. Process for the preparation of resins from urea, formaldehyde, methanol and formic acid using three stages. 3,830,783, 8-20-74, Cl. 260-70.00a.
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Vasamaa, Erkki. Self-locking cocking pin in firearms with closure by rotation. 3,816,950, 6-18-74, Cl. 42-16.000.

Vasas, Martin M., to Bridgeport Metal Goods Manufacturing Company, The. Portal seal and wiper for product container. 3,817,637, 6-18-74, Cl. 401-122.000.

Vasas, Roger E.: *See—*
Avampato, Dominic C.; Dibella, Robert N.; and Vasas, Roger E., 3,811,950.

Vaschetti, Amos: *See—*
Martini, Pierluigi; Scacciati, Giovanni; and Vaschetti, Amos, 3,806,103.

Vasel, Alfred W., to Pyrotector, Incorporated. Smoke detector with means for compensating for variations in light source brightness due to line voltage variations. 3,789,383, 1-29-74, Cl. 340-237.00s.

Vasicova, Marie: *See—*
Paukert, Miloslav; and Vasicova, Marie, 3,854,798.

Vasil, James Francis; and Bursel, Joseph S., to American Cyanamid Company. Epoxy-amine adhesives of superior toughness. 3,830,874, 8-20-74, Cl. 260-830.00r.

Vasilantone, Michael. Printing apparatus. 3,835,773, 9-17-74, Cl. 101-122.000.

Vasilantone, Michael. Printing apparatus. 3,847,076, 11-12-74, Cl. 101-122.000.

Vasilchenko, Lev Petrovich: *See—*
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Vasiliev, Evgeny Mikhailovich; Egorov, Vladimir Sergeevich; Kovalenko, Jury Nikolaevich; Kostjuchenko, Mikhail Ivanovich; Litvin, Anatoly Vasilievich; Pobegailo, Grigory Gavrilovich; Churakov, Vladimir Mikhailovich; Lensky, Alexandr Nikolaevich; Prazdnikov Anatoly Vladimirovich; Sidorov, Ivan Sergeevich; Khovrin, Boris Vladimirovich; and Fabrika, Ljudmila Petrovna, to Ostapenko, Viktor Vladimirovich. Apparatus for braking rolled bars to rest on the cooling bed of a bar mill. 3,810,283, 5-14-74, Cl. 72-250.00.

Vasiliev, Jury Sergeevich; Vasiliev, Boris Alexandrovich; Nikitin, Jury Jurievich; Datsenko, Vladimir Alexandrovich; Popov, Vyacheslav Maximovich; Semenov, Jury Dmitrievich; Kildibekov, Valery Askhatovich; and Bikchurin, Talgat Nazmetdinovich. Device for bilding up down-pressure on well face during drilling. 3,853,188, 12-10-74, Cl. 175-321.000.

Vasiliev, Nikolai Grigorievich: *See—*
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Vasiliev, Vladimir Pavlovich; Glukhovskoi, Boris Mikhailovich; Golubovsky, Oleg Mikhailovich; Kufal, Georgy Eduardovich; and Pliev, Leonid Filippovich. Photo-detector. 3,815,977, 6-11-74, Cl. 350-286.000.

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Vasiljevic, Costa Silard. Sound absorber. 3,791,483, 2-12-74, Cl. 181-42.000.

Vasilkovsky, Vitaly Pankratievich; Grebnev, Nikolai Feodosovich; Efimov, Leonid Alexandrovich; Zakharov, Georgy Pavlovich; Kavitsky, Mikhail Ruvimovich; Malkov, Pavel Andreevich; Zakharov, Georgy Pavlovich; Kavitsky, Mikhail Ruvimovich; Malkov, Pavel Andrevich; Pylaikin, Petr Alexeevich; Rozanov, Boris Vasilievich; Sinitsky, Vladimir Mikhailovich; and Khirdzhiev, Sergei Grigorievich. Vertical hydraulic press. 3,797,298, 3-19-74, Cl. 72-453.000.

Vasilyadis, Kosta O., to Scott Paper Company. Flushable, premoistened wipers. 3,846,158, 11-5-74, Cl. 117-68.500.

Vasin, Alexandr Ivanovich: *See—*
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Vasishth, Ramesh C., to Cor Tech Research Limited. Resin coated rice hulls, compositions containing the same and processes for making such compositions. 3,850,677, 11-26-74, Cl. 117-100.00a.

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Vaskunas, Vygantas A.; and Hager, Howard K., to Interface Industries, Inc. Point of sale credit card terminal apparatus. 3,793,624, 2-19-74, Cl. 340-149.00a.

Vasquez, Richard A. Cargo Tie-down attachment bracket. 3,797,859, 3-19-74, Cl. 280-179.00r.

Vass, Alexander A.; and Vass, Clara. Instrument for administering fluid into a body through an office therein. 3,815,598, 6-11-74, Cl. 128-245.000.

Vass, Alexander A. Adjustable rectal applicator with draining sleeve. 3,828,774, 8-13-74, Cl. 128-241.000.

Vass, Alexander A. Adjustable rectal applicator with fluid distributing and draining nozzle. 3,842,834, 10-22-74, Cl. 128-245.000.

Vass, Clara: *See—*
Vass, Alexander A.; and Vass, Clara, 3,815,598.

Vass, Francis; and Horacek, Dezideriu, to Uzina de Autocamioane Brasov. Toroidal surface processing machine. 3,854,379, 12-17-74, Cl. 90-15.10a.

Vassar, Jack K.; and Henigman, Boby J. Hitching assembly. 3,799,583, 3-26-74, Cl. 280-473.000.

Vassell, William C.: *See—*
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Vassileff, Neiko I., to National Patent Development Corporation. Composition containing an acrylic resin, a polyethyleneimine and a polyepoxide. 3,786,113, 1-15-74, Cl. 260-836.000.

Vassilevsky, Anatole N.; deceased (by Vassilevsky, Irene; executrix), to V.R.B. Associates Inc. Light-weight high-strength cement compositions using hydrolyzed organic material. 3,816,147, 6-11-74, Cl. 106-105.000.

Vassilevsky, Irene: *See—*
Vassilevsky, Anatole N., 3,816,147.

Vassiliades, Anthony E.; Nauman, Edward F.; and Shroff, Shrenik, to Champion International Corporation. Fibrous and non-fibrous substrates coated with microcapsular opacifier system and the production of such coated substrated. 3,816,169, 6-11-74, Cl. 117-55.00r.

Vassiliades, Anthony E.; Nauman, Edward F.; and Shroff, Shrenik, to Champion International Corporation. Method of making fibrous substrates that contain air containing microcapsules that have inorganic pigments incorporated in their structure. 3,822,181, 7-2-74, Cl. 162-162.000.

Vassiliades, Anthony E.; Vincent, David N.; and Shroff, Shrenik, to Champion International Corporation. Method of applying graft copolymer to cellulosic substrate and resultant article. 3,824,114, 7-16-74, Cl. 117-21.000.

Vassiliades, Anthony E.; Vincent, David N.; and Shroff, Shrenik, to U.S. Plywood-Champion Papers Inc. Grafted, polymeric microcapsular system. 3,844,816, 10-29-74, Cl. 117-36.200.

Vassiliou, Eustachios: *See—*
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Vassiliou, Eustathios: *See—*

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Vasta, Joseph A.: *See—*
Shell, Theodore; and Vasta, Joseph A., 3,843,593.

Vasta, Joseph A., to Du Pont de Nemours, E. I., and Company. Polyvinylidene fluoride coating compositions. 3,784,506, 1-8-74, Cl. 260-39.00r.

Vasta, Joseph A., to Du Pont de Nemours, E. I., and Company. Hydroxyl containing copolymers. 3,787,519, 1-22-74, Cl. 260-835.000.

Vasta, Joseph A., to Du Pont de Nemours, E. I., and Company. Coating composition of a silicone fluid, a silicone resin and a zirconium silicate hardening agent. 3,801,522, 4-2-74, Cl. 260-29.10r.

Vasta, Joseph A., to Du Pont de Nemours E. I., and Company. Coating composition of an aromatic polysulfone resin and epoxy resin, and n-cychlohexyl toluene sulfonamide. 3,819,472, 6-25-74, Cl. 161-185.000.

Vasta, Joseph A., to Du Pont de Nemours, E. I., and Company. Aqueous based thermosetting acrylamide-acrylic copolymer coating composition. 3,845,066, 10-29-74, Cl. 260-29.6wb.

VAT Aktiengesellschaft fur Vakuum Apparate-Technik: *See—*
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Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Stoepel, Kurt; and Bayer Aktiengesellschaft, 3,855,231.
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Vatterott, Oskar F., to Shinkle, Jackson J. Fluid clock mechanism. 3,831,371, 8-27-74, Cl. 58-2.000.

Vau, Jean-Baptiste Paul. Method and device for the precision shaping of a metal part. 3,845,651, 11-5-74, Cl. 72-332.000.

Vauarchex, Paul: *See—*
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Vaughan, David E. W.; Maher, Philip K.; and Albers, Edwin W., to Grace, W. R., & Co. Hydrocarbon cracking with amorphous inorganic gel-VK_3. 3,838,037, 9-24-74, Cl. 208-120.000.

Vaughan, Desmond H., to General Dynamics Corporation. Expandable truss structure. 3,783,573, 1-8-74, Cl. 52-646.000.

Vaughan, Harry L., to Scripto, Inc. Unitary resilient sealing valve. 3,841,365, 10-15-74, Cl. 141-291.000.

Vaughan, Harry L., to Scripto, Inc. Unitary resilient sealing valve. 3,841,366, 10-15-74, Cl. 141-291.000.

Vaughan, Lawrence Graham, to Du Pont de Nemours, E. I., and Company. 2-Alkyl-substituted-1,2,3,4-tetrahydro anthraquinones. 3,838,178, 9-24-74, Cl. 260-369.000.

Vaughan, Raymond C., to Carborundum Company, The. Furnace for fiber production. 3,804,582, 4-16-74, Cl. 432-211.000.

Vaughan, Warren R.: *See—*
Yateman, Earl W.; Janitsch, Anthony D.; and Vaughan, Warren R., 3,805,946.

Vaughan, Warren R.; and Borg-Warner (Canada) Ltd. Belt cleaning system. 3,815,728, 6-11-74, Cl. 198-230.000.

Vaughan, William A., Jr; and Clough, James, to International Playtex Corporation. Rubber overshoes. 3,824,715, 7-23-74, Cl. 36-7.300.

Vaughen, Jack F. Pneumatically operated lift device. 3,799,504, 3-26-74, Cl. 254-93.00h.

Vaughen, Jack F. Load bearing air cushion apparatus. 3,822,761, 7-9-74, Cl. 180-121.000.

Vaughn, Charles A. Animation system. 3,817,609, 6-18-74, Cl. 352-87.000.

Vaughn, Charles D.; and Jackson, James D., to TRW Inc. Microwave dewaxing. 3,847,202, 11-12-74, Cl. 164-50.000.

Vaughn, David A., to United States of America, Army. Combat tracked vehicle signature duplicator. 3,837,259, 9-24-74, Cl. 89-1.00m.

Vaughn, George A.; and Hargrave, Richard D., to Maark Corporation. Method of manufacturing a tennis racket. 3,805,366, 4-23-74, Cl. 29-433.000.

Vaughn, James R.: *See—*
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Vaughn, Roy O.: *See—*
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Vaughn, Rudolph Marion; and Harney, David M. Safety vest. 3,827,716, 8-6-74, Cl. 280-150.0ab.

Vaughn, Walter L., to Dow Chemical Company, The. Reactive beta-lactone-containing polymers and a method for their preparation. 3,787,366, 1-22-74, Cl. 260-64.000.

Vaughn, Walter L., to Dow Chemical Company, The. Process for preparing modified polymers. 3,803,087, 4-9-74, Cl. 260-47.0up.

Vaupotic, Marcia P.: *See—*
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Vause, Arthur Samuel, to Thorn Electrical Industries, Limited. Electrically conductive components. 3,788,721, 1-29-74, Cl. 316-17.000.

Vause, Arthur Samuel, to Thorn Electrical Industries Limited. Method of making lamp cap connections using superplastic alloy. 3,818,558, 6-25-74, Cl. 29-25.130.

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Vavilov, Felix Fedorovich; Leonov, Jury Leonidovich; Sedov, Alexei Maximovich; and Kamsky, Dmitry Stepanovich. Hoisting winch. 3,850,411, 11-26-74, Cl. 254-186.00r.

Vax, Naftali; and Shim, Wook Rang, to Lynch Communication Systems, Inc. Clock synchronization circuit. 3,826,869, 7-30-74, Cl. 178-69.50r.

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Vayssiere, Pierre, to Institut de Recherches de la Siderurgie Francaise. Method and apparatus for treatment of gases. 3,820,510, 6-28-74, Cl. 122-7.00r.

Vazirani, Hargovind Nihchaldas, to Bell Telephone Laboratories, Incorporated. Radiation curable styrenated polyester coating compositions and process of curing them. 3,813,322, 5-28-74, Cl. 204-159.150.

Vazirani, Hargovind Nihchaldas, to Bell Telephone Laboratories, Incorporated. Articles coated with alkali-soluble polester-type resins and method of producing them. 3,833,411, 9-3-74, Cl. 117-232.000.

Vazquez, Antonio: *See—*
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Vazquez, Jose A.; and Blake, Lawrence W., to American Hospital Supply Corporation. Balloon catheter having single ferrule support for balloon bindings. 3,833,004, 9-3-74, Cl. 128-349.00b.

Vazquez, Salvador Morelos, to Colgate-Palmolive Company. Enzymatic detergent bar. 3,798,181, 3-19-74, Cl. 252-539.000.

VCA Corporation: *See—*
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Vdoviak, John William, to General Electric Company. Combustion apparatus. 3,834,159, 9-10-74, Cl. 60-39.650.

Ve Textilkombinat Cottbus: *See—*
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Veale, Charles. Fluid pressure responsive position control. 3,805,836, 4-23-74, Cl. 137-625.400.

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VEB Arzneimittelwerk Dresden: *See—*
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Lauria, Francesco; Vecchietti, Vittorio; Tommasini, Raffaele; and Ceserani, Roberto, 3,793,338.
Vecchio, Martino: *See—*
Groppelli, Giovanni; Vecchio, Martino; Lodi, Luciano; Covini, Ramano; and Fattore, Vittorio, 3,793,229.
Vecta Group, Inc., The: *See—*
Gibilterra, Charles A., 3,815,955.
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Forssell, Dag C. G.; and Folson, Henry J., 3,812,805.
VEDA Inc.: *See—*
Buschbom, Floyd E., 3,822,796.
Veda Research and Development Co. Ltd.: *See—*
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Schmidt, Gerhard Martin Julius; Lahav, Meir; and Friedman, Gad, 3,839,365.
Vedda, Louis: *See—*
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Stas, Bretislav; Dlouhy, Ludek; Siska, Lubomir; and Skrabis, Adolf, 3,858,167.
Vedova, Ralph, to Motoren Turbinen-Union Munchen GmbH. Lift engine arrangement. 3,820,746, 6-28-74, Cl. 244-55.000.
Vedvik, Andrew H., to Oscar Mayer & Co., Inc. Means and method for unfolding bacon board flaps and the like. 3,815,319, 6-11-74, Cl. 53-29.000.
Vedvik, Andrew H.; and Layman, Melvin M., to Mayer, Oscar, & Co., Inc. Packaging forming apparatus. 3,841,820, 10-15-74, Cl. 425-388.000.
Vedvik, Andrew H.; and Merdler, Myron J., to Mayer, Oscar, & Co., Inc. Package cut-out apparatus. 3,844,091, 10-29-74, Cl. 53-182.000.
Vee-Arc Corporation: *See—*
Ottoson, Allen E., 3,792,330.
Veeco Instruments Inc.: *See—*
Tom, Theodore K., 3,827,829.
Veeder Industries, Inc.: *See—*
Brunone, Peter P., 3,811,035.
Gamble, John G.; and Flis, Richard J., 3,786,272.
Kus, Crawford M., 3,835,305.
Smilgys, Bruno S., 3,847,347.
Veeh, Karl: *See—*
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Veen, James C., Jr., to Hillsdale Industries, Inc. Drop away fire vent. 3,788,013, 1-29-74, Cl. 52-1.000.
Veenendaal, Cornelis Teunis, to Tektronix, Inc. Insulation-slitting and stripping machine. 3,782,227, 1-1-74, Cl. 81-9.510.
Veenstra, David K., to Highway Manufacturing Company. Drive system for a telescopic boom. 3,845,596, 11-5-74, Cl. 52-118.000.
Veenstra, Melle: *See—*
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Veevnik, Vladimir Fomich: *See—*
Berdyansky, Mark Grigorievich; Grinvald, Valter Alexandrovich; Brodsky, Irman Idelevich; Kasyan, Vladimir Khrisanfovich; Panjushkin, Nikolai Vasilievich; and Veevnik, Vladimir Fomich, 3,807,260.
Vega, Raul Antonio. Columns of record throwers of the automatic record players. 3,851,887, 12-3-74, Cl. 274-10.00s.
Veglia, Bartolo, to RIV-SKF Officine di Villar Perosa S.p.A. Spacer cage for rolling bearings. 3,801,172, 4-2-74, Cl. 308-217.000.
Vegners, Gunars: *See—*
Lesperance, Lawrence M.; Drewry, Hugh S.; and Vegners, Gunars, 3,824,694.
Veh, Herbert, to Eleckttroteile GmbH. Solenoid operated compressed air valve. 3,814,133, 6-4-74, Cl. 137-625.650.
Vehrs, Charles L., Jr., to North American Rockwell Corporation. Terrain-following radar system. 3,795,909, 3-5-74, Cl. 343-7.0ta.
Veige, Sten: *See—*
Hogberg, Bertil; Fex, Hans; Perklev, Torsten; Veige, Sten; and Fredholm, Bo, 3,851,019.
Veil, Karl: *See—*
Lutz, Gerhard; and Veil, Karl, 3,800,673.
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Veillard, George E.: *See—*
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Veillard, George E., to Xerox Corporation. Vacuum stripping roll with rotary pickup slots. 3,820,778, 6-28-74, Cl. 271-174.000.
Veilleux, Joseph C., to Moto-Naute, Inc. Water vehicle. 3,812,814, 5-28-74, Cl. 115-70.000.

Veinberg, Artur Karlovich: *See—*
Giller, Solomon Aronovich; Lazdinsh, Arvid Avgustovich; Veinberg, Artur Karlovich; Sniker, Dagnia Yanovna; Knunyants, Ivan Ljudvigovich; German, Lev Solomonovich; and Kazmina, Natalya Borisovna, 3,846,429.
Veisicol Chemical Corporation: *See—*
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Veisman, Boris Ottovich: *See—*
Brusakov, Jury Ivanovich; Sirotkin, Nikolai Nikolaevich; Kiselev, Vasily Pavlovich; Ilinkov, Dmitry Vladimirovich; Pavlovichavdely, Mikhail; Marin, Semen Panteleevich; Shkarupa, Alexandr Ivanovich; Veisman, Boris Ottovich; Lebedev, Vladimir Nikolaevich; an Gavrilenko, Nikolai Pavlovich, 3,790,692.
Veit, Herrmann: *See—*
Deichelmann, Hermann; and Veit, Herrmann, 3,826,980.
Veit, Paul: *See—*
Suttan, Franz; Veit, Paul; and Rauber, Oskar, 3,827,275.
Veiter, Ottomar H., to TRW, Inc. Method of assembling an electrical connector to effect a preloading thereof. 3,805,379, 4-23-74, Cl. 29-629.000.
Veith, Richard; and Flake, Horst, to Siemens Aktiengesellschaft. Device for the electronic recording of the instantaneous location of a sensing probe on the surface of a plate. 3,806,642, 4-23-74, Cl. 178-18.000.
Veith, Richard, to Siemens Aktiengesellschaft. Device for the electronic recording of the instaneous location of a sensing probe on the surface of a plate. 3,808,364, 4-30-74, Cl. 178-19.000.
Veith, Werner, to Siemens Aktiengesellschaft. Electrostatic lens for cathode ray tubes. 3,786,302, 1-15-74, Cl. 315-16.000.
Velan Engineering Ltd.: *See—*
Breton, Guy Georges Rene, 3,807,429.
Velardo, Theodore A., 20% to Lee, Raymond, Organization, Inc., The. Lock unit for bicycle or motorcycle. 3,805,564, 4-23-74, Cl. 70-18.000.
Velasco: *See—*
Croset, Michel; and Velasco, 3,820,871.
Velasco, Gonzalo: *See—*
Croset, Michel; and Velasco, Gonzalo, 3,785,717.
Croset, Michel; and Velasco, Gonzalo, 3,825,318.
Velasquez, Alfredo. Plug catcher for green aerator. 3,797,578, 3-19-74, Cl. 172-22.000.
Velazquez, Joseph L., to Lockheed Aircraft Corporation. Anti-torque, propulsion, and directional control system. 3,807,662, 4-30-74, Cl. 244-17.190.
Velco-Bind, Inc.: *See—*
Abildgaard, William H.; and Groswith, Charles T., III, 3,834,739.
Velcon Filters, Inc.: *See—*
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Velcover, Matthew S., to White Welding & Mfg., Inc. Door latch means. 3,844,591, 10-29-74, Cl. 292-7.000.
Velcro France: *See—*
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Velek, Robert J.: *See—*
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Velev, Velyu Todorov: *See—*
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Velie, Wallace W. Air-atomizing fuel burner. 3,847,537, 11-12-74, Cl. 431-347.000.
Velik, John Sidney, to International Standard Electric Corporation. Pabx transmission and impulsing circuit. 3,794,782, 2-26-74, Cl. 179-170.00r.
Velinsky, Milton: *See—*
Wiegand, John Richard, 3,783,249.
Wiegand, John Richard, 3,793,532.
Velissaris, George. Billiard-type table with rotatable disk on playing surface having at least one ball aperture therethrough. 3,848,872, 11-19-74, Cl. 273-125.00r.
Velivis, William R.: *See—*
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Vellas, Jean Leon Justin: *See—*
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Vellinga, Meindert B.; Hartog, Frits; and Von den Hoff, Johan P. H., to Stamicarbon N.V. Process for the preparation of ethylidene norbornenes. 3,804,912, 4-16-74, Cl. 260-666.0py.
Vello, Francesco. Boot of the type comprising a bootleg lined with expanded material. 3,833,957, 9-10-74, Cl. 12-142.00e.
Velmans, Max Leopold, to National Research Development Corporation. Adis for deaf persons. 3,819,875, 6-25-74, Cl. 179-107.0fd.
Velo, Henri Jan: *See—*
Almering, Petrus Cornelis Maria; and Velo, Henri Jan, 3,803,490.
Velo-Bind, Inc.: *See—*
Abildgaard, William H.; Groswith, Charles T. III; Deman, Heiko T.; and Buan, Danilo P., 3,811,146.
Abildgaard, William H.; and Groswith, Charles T., III, 3,825,963.
Abildgaard, William H.; and Groswith, Charles T., III, 3,830,524.
Buan, Danilo P., 3,808,933.
D'Addario, Theodore A., 3,851,391.
Groswith, Charles T., III; and Buan, Danilo P., 3,825,964.
Groswith, Charles T., III; and Buan, Danilo P., 3,826,168.
Veloso, Alberto E., to Internationale Erfinder- und Patentanstalt. Process for the conversion of carbon to alcohols. 3,819,724, 6-25-74, Cl. 260-632.0cb.
Velsicol Chemical Corporation: *See—*
Burlow, Stanley N., 3,843,783.
Carlson, Arthur W., 3,810,945.
Fields, Richard W., 3,849,108.
Gourse, Jerome A., 3,784,652.
Gourse, Jerome A., 3,787,356.
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Richter, Sidney B.; and Barnas, Eugene, 3,804,874.
Richter, Sidney B.; and Levin, Alfred A., 3,808,257.
Richter, Sidney B.; and Stach, Leonard J., 3,816,620.
Richter, Sidney B.; and Levin, Alfred A., 3,818,010.
Richter, Sidney B.; and Barnas, Eugene F., 3,839,439.
Richter, Sidney B.; and Levin, Alfred A., 3,839,577.
Richter, Sidney B.; and Mayer, David P., 3,843,717.
Richter, Sidney B.; and Stach, Leonard J., 3,852,345.
Robson, Harry E., 3,804,741.
Scardiglia, Frank; and Hokama, Takeo, 3,835,079.
Stach, Leonard J., 3,792,130.
Stach, Leonard J., 3,830,882.
Stach, Leonard J., 3,835,205.
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Velten & Pulver, Inc.: *See—*
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Velten, Walter: *See—*
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Veltges, Helmut: *See—*
Franzen, Gustav; and Veltges, Helmut, 3,820,315.
Veltges, Helmut, to Palitex Project-Company GmbH. Yarn guiding flyer mechanism for a textile yarn processing machine. 3,830,051, 8-20-74, Cl. 57-58.830.
Velthoven, Arthur E., to Federal Screw Works. Clamp load indicating and sealing fastener assembly. 3,783,734, 1-8-74, Cl. 85-62.000.
Veltman, Preston Leonard, to Grace, W. R., & Co. Preparation of catalysts. 3,822,220, 7-2-74, Cl. 252-458.000.
Veltmann, Guido: *See—*
Treplin, Friedrich-Wilhelm; Veltmann, Guido; and Thal, Heinz, 3,789,992.
Velto Industries, Ltd.: *See—*
Mc Burnie, Stuart G.; Jorgensen, William A. W.; and Rocher, Michel L. E., 3,811,719.
Veltri, Enrico D.: *See—*
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Velzel, Christiaan Hendrik Frans: *See—*
DeLang, Hendrik; and Velzel, Christiaan Hendrik Frans, 3,810,687.

Velzel, Christiaan Hendrik Frans, to U.S. Philips Corporation. Interferometer apparatus for measuring the roughness of a surface. 3,849,003, 11a19-74, Cl. 356-109.000.

Vemco Products, Inc.: *See—*
Gatland, Geoffrey H.; and Robitaille, Kenneth L., 3,825,809.

Venable, Douglas: *See—*
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Venable, Douglas; Taylor, Roger W.; and Rogers, Benjamin T., to United States of America, Atomic Energy Commission. Method for mitigating blast and shock transmission within a confined volume. 3,804,017, 4-16-74, Cl. 102-23.000.

Venables, Herbert J., III, to Venables Machine and Tool Company, The. Heat exchanger tube and apparatus for making same. 3,820,217, 6-28-74, Cl. 29-202.00d.

Venables Machine and Tool Company, The: *See—*
Venables, Herbert J., III, 3,820,217.

Venanzetti, Michele, to Venanzetti Vibrazioni S.p.A. Particulate material conveyor. 3,827,159, 8-6-74, Cl. 34-164.000.

Venanzetti Vibrazioni S.p.A.: *See—*
Venanzetti, Michele, 3,827,159.

Venco, Gastone: *See—*
Bendror, Jack; and Venco, Gastone, 3,786,529.

Vencraft Corporation: *See—*
Gundlach, Robert W., 3,815,249.

Vendmart, Inc.: *See—*
Deaton, James M.; and Deaton, Clarence M., 3,831,807.

Vendo Company, The: *See—*
Baxendale, John W., 3,799,393.
Baxendale, John William, 3,795,345.
Hale, Lloyd R.; and Baxendale, John W., 3,844,394.
Moss, Charles A.; and Dyer, Kermit W., 3,807,600.
Offutt, Elmer Bradley; and Babich, Edward, 3,828,971.
O'Neal, Wilbert O.; Page, Burford J.; and Simek, Charles E., 3,840,147.

Venema, Gerard J., to Nalco Chemical Company. Process and apparatus for dissolving water soluble polymers and gums in water involving inversion of water-in-oil emulsions. 3,852,234, 12-3-74, Cl. 260-29.60h.

Venema, Harry J., to Borg-Warner Corporation. Breath testing system with increased sensitivity. 3,818,899, 6-25-74, Cl. 128-2.00c.

Venema, Harry J., to Borg-Warner Corporation. Breath testing system. 3,824,079, 7-16-74, Cl. 23-254.00e.

Venendaal, Robert G.: *See—*
Reid, Edward A., Jr.; Venendaal, Robert G.; and Myler, George W., 3,785,364.

Venetta, Henry J. Preheating of metal scrap. 3,813,209, 5-28-74, Cl. 432-11.000.

Veneziani, Carlo: *See—*
Bella, Davide Della; Veneziani, Carlo; Chiarino, Dario; and Teotino, Uberto Maria, 3,857,857.

Venier, Dominic A.: *See—*
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Venkatasubramanian, Kalyanasundram: *See—*
Vieth, Wolf R.; Wang, Shaw S.; Gilbert, Seymour G.; and Venkatasubramanian, Kalyanasundram, 3,809,613.

Venkatesan, Peruvemba Swaminatha: *See—*
Fuchs, Francis Joseph, Jr.; and Venkatesan, Peruvemba Swaminatha, 3,793,911.

Venker, Hilrich Jan Matthijs: *See—*
Stegeman, Bernardus Hendrikus Marinus Johannes; and Venker, Hilrich Jan Matthijs, 3,824,420.

Venker, Hilrich Jan Matthijs, to Societe Industrielle Honeywell Bull (Societe Anonyme). Mosaic printer. 3,812,495, 5-21-74, Cl. 346-101.000.

Venlet, Cornelis N.: *See—*
Rombach, Frank; and Venlet, Cornelis N., 3,814,002.

Vennard & Ellithorpe Ltd.: *See—*
Ellithorpe, Ernest Ralph; and Fletcher, Ronald Bruce, 3,832,145.
Ellithorpe, Ernest Ralph; and Fletcher, Ronald Bruce, 3,838,973.

Vennard, William O.; and Decker, Arthur L., to Ethyl Corporation. Delivery forceps. 3,794,044, 2-26-74, Cl. 128-352.000.

Vennola, Jorma, to Columbia Broadcasting System, Inc. Amusement device for a crib or the like. 3,832,799, 9-3-74, Cl. 46-1.00r.

Vennola, Jorma, to Columbia Broadcasting System, Inc. Noisemaking amusement device. 3,837,115, 9-24-74, Cl. 46-174.000.

Venobre, Henri: *See—*
Cayol, Andre; Chenal, Jean-Claude; Clottes, Georges; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,816,247.
Chenai, Jean-Claude; Schaller, Karl; Skok, Jean; and Venobre, Henri, 3,795,579.

Venot, Jean, to Chavanoz S.A. Thread feeding device for textile machines. 3,831,830, 8-27-74, Cl. 226-171.000.

Venter, Peter Jacobus; and Malan, Johannes Daniel, to Tobacco Research and Development Institute Limited. Preparation of wine. 3,826,849, 7-30-74, Cl. 426-15.000.

Venter, Peter Jacobus; and Malan, Johannes Daniel. Recovering flavor and aroma substances from fermeation gases. 3,852,477, 12-3-74, Cl. 426-15.000.

Ventimiglia, Francesco. Method and apparatus for stretching strip of sheet material on rigid supports. 3,791,077, 2-12-74, Cl. 52-2.000.

Ventline, Inc.: *See—*
Walker, Dean E.; and Young, Charles E., III, 3,805,988.

Vento, Georges: *See—*
Ferton, Jean-Yves; and Vento, Georges, 3,818,281.

Venton, Peter Charles: *See—*
Hodges, Kenneth James Hamer; and Venton, Peter Charles, 3,794,821.
Repton, Charles Samuel; Venton, Peter Charles; and Hodges, Kenneth James Hamer, 3,814,919.

Ventre, Edmond, to Electricite de France (Service National). Nuclear reactor with integrated heat exchanger. 3,847,733, 11-12-74, Cl. 176-28.000.

Ventre, Pierre; and Lacambre, Jacques, to Regie Nationale des Usines Renault and Automobiles Peugeot. Inflatable safety devices for protecting the drivers of motor vehicles. 3,795,414, 3-5-74, Cl. 280-150.0ab.

Ventrola Manufacturing Company: *See—*
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Ventron Corporation: *See—*
Cadmus, Eugene L., 3,801,332.
Chapin, Jay C., 3,785,858.
Lalancette, Jean Marc, 3,840,566.
Lalancette, Jean-Marc, 3,804,916.
Lalancette, Jean-Marc, 3,847,963.
Schneider, Bernd, 3,835,067.
Winiarczyk, Edward R., 3,795,491.

Ventura, Frank D., to Ideal Toy Corporation. Ball-firing device. 3,830,500, 8-20-74, Cl. 273-129.000.

Ventura, John J.; Daniels, David A.; and Loeffler, Otto E., to M & T Chemicals Inc. Process for preparing substantially chloride free antimony alkoxides. 3,803,193, 4-9-74, Cl. 260-446.000.

Ventura, John J.; and Ravenscroft, Philip H., to M & T Chemicals Inc. Novel catalyst system. 3,844,976, 10-29-74, Cl. 252-431.00c.

Ventura Manufacturing Company: *See—*
Propst, James P., 3,830,038.

Venturi, Gino: *See—*
Bennett, Melvin T.; Vlach, Thomas L.; Edwin, Allan I.; and Venturi, Gino, 3,821,706.

Venturini, Guerrino, to Establecimientos Venturini S.A. Industrial Comercial Y Financiera. Gas-expelling pistols. 3,782,019, 1-1-74, Cl. 42-72.000.

Venus, Frank, Jr., to Plant Industries, Inc. Non-aerosol container with expansible bladder-and expelling force providing sheath. 3,791,557, 2-12-74, Cl. 222-105.000.

Venus, Frank, Jr., to Plant Industries, Inc. Telescoping mandrel for expansible bladder container. 3,796,356, 3-12-74, Cl. 222-212.000.

Venus, Gerhart; and Meyer, Erwin, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Process and equipment for the treatment of a material by means of an arc discharge plasma. 3,851,136, 11-26-74, Cl. 219-121.00p.

Venus Laboratories, Inc.: *See—*
Vlahakis, Eftichios Van, 3,824,633.

Venuto, C. Joseph, to ESB Incorporated. Method for producing lead oxide containing antimony, lead oxide made by the method, and a storage battery electrode using the oxide. 3,809,579, 5-7-74, Cl. 136-26.000.

Vepa AG: *See—*
Fleissner, Hans, 3,831,473.
Fleissner, Heinz, 3,783,526.
Fleissner, Heinz, 3,795,031.
Fleissner, Heinz, 3,800,373.
Fleissner, Heinz, 3,804,590.
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Fleissner, Heinz, 3,805,560.
Fleissner, Heinz, 3,808,846.
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Fleissner, Heinz, 3,818,607.
Fleissner, Heinz, 3,824,814.
Fleissner, Heinz, 3,831,666.
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Fleissner, Heinz; and Wilhelm, Ernst, 3,835,671.
Fleissner, Heinz, 3,838,968.
Fleissner, Heinz, 3,839,146.
Fleissner, Heinz, 3,841,933.
Fleissner, Heinz, 3,853,604.

Ver Planck, Peter; and Johannessen, Paul R., to Megapulse Incorporated. Over-current latch-up protection apparatus for SCR inverter circuits and the like. 3,832,573, 8-27-74, Cl. 307-202.000.

Ver Ploeg, Alonzo. Cutter disc. 3,797,544, 3-19-74, Cl. 144-235.000.

Ver Slois, David G. Snowfall level detector. 3,801,779, 4-2-74, Cl. 250-222.00r.

Veranth, Joseph L., to Bose Corporation. Operational amplifier clamping. 3,822,408, 7-2-74, Cl. 330-99.000.

Verbaas, George, to GTE Automatic Electric Laboratories Incorporated. Key pad control arrangement. 3,786,496, 1-15-74, Cl. 340-365.00s.

Verbanac, Frank: *See—*
Moser, Kenneth B.; and Verbanac, Frank, 3,839,427.
Moser, Kenneth B.; and Verbanac, Frank, 3,842,005.

Verbanc, John J.: *See—*
Harrell, Jerald R.; Logothetis, Anestis L.; and Verbanc, John J., 3,838,081.

Verbeck, Bruno J., to Miles Laboratories, Inc. Test for a given constituent in a liquid. 3,847,553, 11-12-74, Cl. 23-253.0tp.

Verbeek, Adalbertus Raphael Maria, to Van Hattum en Blakevoort B.V. Dredge cutter head. 3,808,716, 5-7-74, Cl. 37-67.000.

Verbeek, Wolfgang, to Bayer Aktiengesellschaft. Production of shaped articles of homogeneous mixtures of silicon carbide and nitride. 3,853,567, 12-10-74, Cl. 106-44.000.

Verbeke, Albert C., to Batir. Method for producing cast three dimensional building components. 3,798,300, 3-19-74, Cl. 264-250.000.

Verbeke, Roger; and Heylen, Paul, to Belgonucleaire and Centre d'Etude de L'Energie Nucleaire. Peocess and apparatus for the storage of nuclear-irradiated fuel elements. 3,800,857, 4-2-74, Cl. 165-1.000.

Verber, Carl M.: *See—*
Lewis, Jordan D.; Verber, Carl M.; and McGhee, Robert B., 3,829,838.

Verboven, Ghislain Felix Alfons Arthur: *See—*
Einramhof, Franz; van Kronenburg, Leonardus Henricus Adrianus Theresia; and Verboven, Ghislain Felix Alfons Arthur, 3,852,053.
Pastijn, Leopold Stanislas Maria; and Verboven, Ghislain Felix Alfons Arthur, 3,854,180.
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Verbruggen, Herman Fernand: *See—*
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Vercelletto, Michel. Method for the manufacture of prefabricated housing units. 3,834,110, 9-10-74, Cl. 52-745.000.

Vercellotti, Leonard C.: *See—*
Neuner, James A.; Thompson, Francis T.; and Vercellotti, Leonard C., 3,858,191.

Vercellotti, Leonard C.; Britton, James S.; Ottobre, Louis G.; and Cricchi, James R., to Westinghouse Electric Corporation. Solid state remote meter reading system having non-volatile data accumulation. 3,820,073, 6-25-74, Cl. 340-151.000.

Vercillo, Peter A., to Continental Can Company, Inc. Closures with corrosion halting means. 3,788,508, 1-29-74, Cl. 215-40.000.

Verco Industries: *See—*
Mellor, Eli K., 3,826,254.

Verderber, Jerome. Combination fuel line and ignition lock for motor vehicles. 3,855,828, 12-24-74, Cl. 70-243.000.

Verderber, Joseph. Adjustable head golf club for right and left handed players. 3,791,647, 2-12-74, Cl. 273-79.000.

Verderevsky, Vadim Anatolievich: *See—*
Kozhevnikov, Sergei Nikolaevich; Tkachenko, Arkady Semenovich; Verderevsky, Vadim Anatolievich; Cherevik, Ivanovich; Alexeev, Jury Evgenievich; Bondarenko, Alexandr Grigorievich; and Vyshinsky, Valery Trofimovich, 3,782,163.

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Dogariu, Maria; Alupei, Georgeta; Verdes, Maria; Friedman, Gaby; Grumeza, Ecaterina; Cobzariu, Tudor; and Ionescu, Ligia, 3,798,127.

Verdier, Denise, to Colgate-Palmolive Company. Clear liquid detergent package. 3,812,042, 5-21-74, Cl. 252-90.000.

Verdier, Henri, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Tire and rim structure for construction equipment. 3,783,927, 1-8-74, Cl. 152-409.000.

Verdier, Henri, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Pneumatic tires. 3,789,900, 2-5-74, Cl. 152-356.000.

Verdier, Henri, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Heavy construction vehicle tires. 3,844,326, 10-29-74, Cl. 152-209.00b.

Verdile, Rocco. Garment hangers. 3,790,044, 2-5-74, Cl. 223-86.000.

Verdino, Heiner: *See—*
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Verdisco, Anthony, to Trygon Electronics Inc. Power supply chassis assembly for electronic circuit with coding. 3,790,860, 2-5-74, Cl. 317-100.000.

Verdol, Joseph A.; and Ryan, Patrick W., to Atlantic Richfield Company. Low molecular weight diene polymers using aqueous hydrogen peroxide and cyclohexanol(one) medium. 3,796,762, 3-12-74, Cl. 260-635.00r.

Verdol, Joseph A.; and Ryan, Patrick W., to Atlantic Richfield Company. Low molecular weight diene polymers using aqueous hydrogen peroxide and trihydrocarbyl phosphate medium. 3,808,281, 4-30-74, Cl. 260-635.00r.

Verdol S.A.: *See—*
Bassi, Dario, 3,835,895.
Frappe, Pierre, 3,858,044.
Neyraud, Rene, 3,834,425.

Verdon, Roger, to L'Electronique Appliquee. Telephone switching and intercom equipment. 3,819,871, 6-25-74, Cl. 179-27.00f.

Verdone, Joseph A.; and Kebles, Michael K., to Eastman Kodak Company. Collidal metal in non-aqueous media. 3,814,696, 6-4-74, Cl. 252-317.000.

Verdouw, Albert J.: *See—*
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Verdouw, Albert J., to General Motors Corporation. Annular dilution zone combustor. 3,851,465, 12-3-74, Cl. 60-39.360.

Verdouw, Albert J., to General Motors Corporation. Combustion apparatus. 3,851,466, 12-3-74, Cl. 60-39.360.

Vere, Anthony Worswick: *See—*
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Vereecke, Frank J.: *See—*
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Vereingte Metallwerke Ranshofen-Berndorf Aktiengesellschaft, Firma: *See—*
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Vereinigte Aluminium-Werke Aktiengesellschaft: *See—*
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Helmrich, Gunter; and Wulfing, Fritz, 3,824,060.
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Vereinigte Baubeschlagfabriken Gretsch & Co., GmbH: *See—*
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Sittmann, Brigitte, 3,785,664.
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Vereinigte Flugtechnische Werke-Fokker Gesellschaft mit beschrankter Haftung: *See—*
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Geyer, Wolf, 3,813,664.
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Pieper, Helmut; and Tober, Gustav, 3,813,258.
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Roeder, Jean; and Cerne, Gerd, 3,799,479.
Scharzler, Hans-Jurgen, 3,799,474.
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Vereinigte Osterreichische Eisen- und Satahlwerke Aktiengesellschaft: *See—*
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Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft: *See—*
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Vereschagin, Leonid Fedorovich; Konyafv, Jury Sergeevich; Dovbnya, Alexandr Vasilievich; Polyakov, Evgeny Valentindvich; Novgorodov, Alexandr Stepanovich; Asan-Nuri, Abdulia Ogly; Paly, Polikarp Avidnomovich; and Gevorkov, Grigory Sergeevich. Method of boning diamond with refractory cermet material. 3,785,093, 1-15-74, Cl. 51-307.000.

Vereschagin, Leonid Fedorovich; and Khvostantsev, Lev Grigorievich. High pressure producing apparatus. 3,854,854, 12-17-74, Cl. 425-77.000.

Verest, Franciscus Johannes: *See*—
Van Stratum, Antonius Johannes Alberts; Verest, Franciscus Johannes; and Parchen, Wilheim Ernst Paul, 3,842,309.

Verest, Ralph W. Tool. 3,843,981, 10-29-74, Cl. 7-1.00g.

Verfahrenstechnik Dr.-Ing. Kurt Baum: *See*—
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Vergara, Jose D.; Galvan, Ramon; and Leal, Fausto. Motor speed control. 3,810,253, 5-7-74, Cl. 318-237.000.

Vergara, Jose D.; Vergara, Adolfo; and Zepeda, Juan L. Security device for braking systems. 3,829,177, 8-13-74, Cl. 303-84.00r.

Vergara, William C.: *See*—
Green, Norman; McGill, Robert L., Jr.; and Vergara, William C., 3,817,582.
Green, Norman; and Vergara, William C., 3,818,140.

Vergas Manufacturing Company: *See*—
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Vergasson, Michel, to Commissariat a l'Energie Atomique. Device for the leak-tight assembly of heat exchangers in nuclear reactors. 3,784,443, 1-8-74, Cl. 176-63.000.

Verge, John Pomfret: *See*—
Gittos, Maurice Ward; James, John William; and Verge, John Pomfret, 3,830,816.
Hughes, Peter Graham; and Verge, John Pomfret, 3,813,401.

Verge, John Pomfret; and Hughes, Peter Graham, to Lilly Industries Limited. 5-Nitro-2-thiocarbamyl thiazole as a fungicide. 3,839,572, 10-1-74, Cl. 424-270.000.

Verge, Kenneth W.: *See*—
Foxworthy, Eugene R.; Blatter, Albert; Gamber, William N.; Presley, Rex W.; and Verge, Kenneth W., 3,819,135.

Verger, Bernard: *See*—
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Vergiliev, Oleg Mikhailovich: *See*—
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Vergo S.A.: *See*—
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Vergobbi, Robert W.: *See*—
Sterling, Walter S.; and Vergobbi, Robert W., 3,822,031.
Sterling, Walter S.; and Vergobbi, Robert W., 3,833,111.

Vergobbi, Robert W., to Pneumatic Scale Corporation. Semi-automatic machine for packaging tea bags. 3,812,643, 5-28-74, Cl. 53-24.000.

Vergobbi, Robert W., to Pneumatic Scale Corporation. Apparatus for applying carrying grids to bottles. 3,826,060, 7-30-74, Cl. 53-48.000.

Verhagen, Jan: *See*—
Van Dijk, Leonardus Petrus Jozef; Verhagen, Jan; Feutsch, Georg; and Korevaar, Geerlof Jan, 3,787,628.

Verhagen, Johannes Gerardus; De Keyser, Edmond Joannes Jozef; Claes, Jan Cyrille Martin; and Willems, Gerardus Antonius Maria, to U.S. Philips Corporation. Welding apparatus with consumable welding wire. 3,851,137, 11-26-74, Cl. 219-131.00f.

Verheijen, Egidius J. M.: *See*—
Deumens, Johannes J. M.; Verheijen, Egidius J. M.; and Thoma, Jozef A., 3,856,819.
Thoma, Jozef A.; Deumens, Johannes J. M.; and Verheijen, Egidius J. M., 3,850,963.

Verhey, Adriaan. Baker's oven. 3,784,354, 1-8-74, Cl. 432-152.000.

Verhey, Myron B. Scaffold-waler bracket. 3,792,831, 2-19-74, Cl. 249-219.00w.

Verheyden, Albert; and Hartmann, Jean, to Citrex, Societe Anonyme. Process of flotation of minerals and ores. 3,822,014, 7-2-74, Cl. 209-166.000.

Verheyden, Julian P. H.; and Moffatt, John G., to Syntex (U.S.A.) Inc. 2',3'-Unsaturated nucleosides and method of making. 3,817,982, 6-18-74, Cl. 260-211.50r.

Verheyden, Julien P.: *See*—
Jenkins, Ian; Moffatt, John G.; and Verheyden, Julien P., 3,817,978.

Verhille, Karel Eugeen: *See*—
Ohlschlager, Hans; Riester, Oskar; Ghys, Theofiel Hubert; Verhille, Karel Eugeen; and Vanheertum, Ir Johannes, 3,782,933.
Ohlschlager, Hans; Ghys, Theofiel Hubert; Verhille, Karel Eugeen; and Kampfer, Helmut, 3,782,934.

Verhille, Karel Eugeen; and Voet, Luciaan Frans, to Agfa-Gevaert N.V. Photoconductor in a copolymer binder of vinyl acetate, vinyl laurate and an α,β-ethylenically unsaturation acid. 3,791,825, 2-12-74, Cl. 96-1.500.

Verhille, Karel Eugeen; and Noe, Robert Joseph, to Agfa-Gevaert. Zinc oxide-binder medium containing microscopic cavities. 3,857,708, 12-31-74, Cl. 96-1.800.

Verhoest, George G., to Emat Co., Inc. Apparatus and method for the manufacture of dry cell batteries. 3,802,050, 4-9-74, Cl. 29-204.000.

Verhoeven, Adrianus Cornelis Johannes: *See*—
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Verhoeven, Adrianus Cornelis Johannes; Bogaard, Johan Josephus Hendricus; and Peper, Jan, to U.S. Philips Corporation. Method of manufacturing envelopes for cathode-ray tube. 3,839,002, 10-1-74, Cl. 65-42.000.

Verhoeven, Leonardus Adrianus Johannes, to U.S. Philips Corporation. Line-sequential colour television transmission system and signal generator and signal receiver for said system. 3,793,478, 2-19-74, Cl. 178-5.20r.

Verhoeven, Leonardus Adrianus Johannes, to U.S. Philips Corporation. Receiver for video signals. 3,825,680, 7-23-74, Cl. 178-7.30r.

Verhoeven, Pierre; Sunnen, Jean A. F.; and Schoumaker, Henry R. P. J., to La Soudure Electrique Autogene. Electric furnace. 3,795,752, 3-5-74, Cl. 13-1.00v.

Verhoeven, Pierre; Sunen, Jean A. F.; and Schoumaker, Henry R. P. J., to La Seudure Electrique Autogene Procedes Arcos. Slip ring. 3,806,745, 4-23-74, Cl. 310-227.000.

Verholt, Johannes Maria, to N.V. Meubelfabriek "Deco". Kit for assembling for example a piece of furniture, a partition or toys from panels and strips. 3,820,299, 6-28-74, Cl. 52-753.00c.

Veriflo Corporation: *See*—
Ollivier, Louis A., 3,820,539.
Sundblom, Leif J.; and Ollivier, Louis A., 3,820,566.

Vering, Anton, to Polysius AG. Blade lifter especially for strongly abrasive substances. 3,807,932, 4-30-74, Cl. 432-103.000.

Vering, Anton, to Polysius AG. Blade lifter especially for strongly abrasive substances. 3,807,936, 4-30-74, Cl. 432-103.000.

Vering, Antonius: *See*—
Wurr, Jurgen; and Vering, Antonius, 3,853,458.

Verjux, Jean, to Usines Decoufle. Method and device for separating cigarettes from a continuous line. 3,830,355, 8-20-74, Cl. 198-127.00r.

Verjux, Pierre: *See*—
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Verkuijlen, Wilhelmus Henricus Cornelis Gerardus: *See*—
Paffen, Maria Magdalena Mathilda; Appels, Johannes Arnoldus; and Verkuijlen, Wilhelmus Henricus Cornelis Gerardus, 3,783,047.

Verkuil, Steven M. Ice auger with slip clutch in drive. 3,828,861, 8-13-74, Cl. 173-26.000.

Verlet, Ronny Julius Camiel Cornelius: *See*—
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Verleur, Hans Willem, to Bell Telephone Laboratories Incorporated. Epitaxial growth of group III-V semiconductors from solution. 3,853,643, 12-10-74, Cl. 148-171.000.

Verlichtings-en Metaalwaren Industrie "Gouda-Holland" N.V., Industrieterrein: *See*—
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Verlijsdonk, Johannus Godefridus: *See*—
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Verma, Hart Singh: *See*—
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Vermeer, Dick Charles; and Pontrelli, Gene Joseph, to Allied Chemical Corporation. Noncircular air orifice in commingling jets for multifilament yarn. 3,845,528, 11-5-74, Cl. 28-1.400.

Vermeer, Gary J. Machine for forming a round bale of a windrowed material. 3,837,159, 9-24-74, Cl. 56-341.000.

Vermeerbergen, Leon, to Saint-Gobain Industries. Method for regulating the multiple head extrusion of plastic materials. 3,819,777, 6-25-74, Cl. 264-40.000.

Vermeerbergen, Leon Roger; and Flamand, Guy Antoine, to Saint-Gobain Industries. Bottle. 3,811,588, 5-21-74, Cl. 215-1.00c.

Vermes, Borbala: *See*—
Feuer, Laszlo; Nogradi, Mihaly; Gottsegen, Agnes; Vermes, Borbala; Streliszky, Janos; Wolfner, Andras; Farkas, Lorant; Antus, Sandor; and Toth, Maria Kovacs, 3,833,730.

Vermette, Howard H. Apparatus attachable to a truck body or the like for use for hoisting or lifting, or as an elevated support. 3,797,672, 3-19-74, Cl. 212-8.000.

Vermeulen, Cornelis Geerhard; and Oomen, Joris Jan Cornelis. Electrochemical cell having cathode mass comprising hollow carbon bodies. 3,810,789, 5-14-74, Cl. 136-6.0ln.

Vermeulen, Emile R., to Sidaplax N.V. Article transfer apparatus. 3,792,955, 2-19-74, Cl. 425-443.000.

Vermeulen, Emile Raymond, to Sidaplax N.V. Closuring containers. 3,800,502, 4-2-74, Cl. 53-329.000.

Vermeulen, Geert Jan: *See*—
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Van Duynhoven, Adrianus Henricus; and Vermeulen, Geert Jan, 3,805,850.

Vermeulen, Geert Jan, to N.V. Maschinefabriek L. te Strake. Device for periodically supplying measured quantities of a pressure fluid to a nozzle. 3,782,422, 1-1-74, Cl. 139-127.00p.

Vermeulen, Geert Jan; and Coolen, Josephus Henricus. Jet operated weaving machine. 3,818,952, 6-25-74, Cl. 139-127.000.

Vermeulen, Gerard: *See*—
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Vermeulen, Johannes Anthonius: *See*—
Vermeulen, Johannes Anthonius; and Van Etten, Bernardus Adrianus, 3,828,472.

Vermeulen, Johannes Anthonius; and Van Etten, Bernardus Adrianus, to Vermeulen, Johannes Anthonius. Flower arranging element. 3,828,472, 8-13-74, Cl. 47-41.000.

Vermeulen, Marinus Cornelus: *See*—
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,789,794.
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,850,829.
Smith, Ian Edward; Hastwell, Peter John; and Vermeulen, Marinus Cornelus, 3,851,964.

Vermeulen, Marinus Cornelus; Smith, Ian Edward; and Hastwell, Peter John, to Savin Business Machines Corporation. Developing emulsion for electrostatic images. 3,843,538, 10-22-74, Cl. 252-62.100.

Vermilion, Willas L.: *See*—
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Conner, Algie J.; Dudych, Daniel; and Vermilion, Willas L., 3,843,330.

Vermillet, Bernard: *See*—
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Vermillion, Herbert E.: *See*—
Johnson, Everett M.; Vermillion, Herbert E.; and Wetmiller, Robert S., 3,791,422.

Vermillion, Ronald G., to United States of America, Navy. Analog to digital converter having digital offset correction. 3,824,588, 7-16-74, Cl. 340-347.0cc.

Vermilyea, Peter W.: *See*—
Schrader, Victor H.; Polney, Richard J.; and Vermilyea, Peter W., 3,835,511.

Vermont American Corporation: *See*—
Cowley, William C.; and Stutzke, Robert E., 3,798,768.
McCord, Wilfred M., Jr., 3,800,840.
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Vermont Research Corporation, mesne: *See*—
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Vermot, Michel: *See*—
Gassmann, Hans-Ulrich; Chen, Ching-Muh; and Vermot, Michel, 3,853,500.

Vern Energy Company, Inc.: *See*—
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Vernaleken, Hugo: *See*—
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Nielinger, Werner; Haupt, Heinrich; Rudolph, Hans; Vernaleken, Hugo; and Blankenstein, Gunter, 3,839,286.
Nouvertne, Werner; Muller, Peter Rolf; Peilstocker, Gunter; and Vernaleken, Hugo, 3,845,007.

Vernaleken, Hugo; Lange, Ralf; Schnell, Hermann; and Schwarz, Hans-Helmut, to Bayer Aktiengesellschaft. Process for producing very pure tetra chlorobisphenol A. 3,821,294, 6-28-74, Cl. 260-520.000.

Vernaleken, Hugo; Court, Otto; Bottenbruch, Ludwig; and Lippert, Axel, to Bayer Aktiengesellschaft. Process for concentrating polymer solutions by evaporation. 3,834,441, 9-10-74, Cl. 159-49.000.

Vernam, William D.; and Anderson, William A., to Aluminum Company of America. Welding aluminum. 3,857,165, 12-31-74, Cl. 29-504.000.

Vernay Laboratories, Inc.: *See*—
Gifford, Robert T., 3,833,171.

Vernazza, Julius; and Marx, Oskar, to Krantz, H. Device for the continuous determination of the lubricant requirement of a movable sliding surface. 3,791,489, 2-12-74, Cl. 184-5.000.

Verne, Stefan: *See*—
Williams, Albert Leslie; and Verne, Stefan, 3,800,017.

Verne, Stefan; and Heggs, Thomas Geoffrey, to British Insulated Callender's Cables Limited. Electric conductor. 3,817,783, 6-18-74, Cl. 117-226.000.

Vernede, Louis Antoine; Nitzki, Leopold; Liedke, Heinrich; and Schror, Friedrich, to Aktiengesellschaft "Weser". Marine cargo vessel. 3,835,802, 9-17-74, Cl. 114-43.500.

Verner, Dalton R., to Colt Industries Operating Corporation. Apparatus for electrical discharge machining employing periodic extended pulse off time. 3,789,182, 1-29-74, Cl. 219-69.00c.

Verner, Edwin Abercrombie. Multi-unit folding slab construction. 3,785,095, 1-15-74, Cl. 52-70.000.

Vernet, Jean Louis, to Thomson-CSF. Real-time processing system and method utilizing discrete fourier transform. 3,803,391, 4-9-74, Cl. 235-152.000.

Vernik, Alexandr Borisovich: *See*—
Paton, Boris Evgennievich; Dudko, Daniil Andreevich; Prokhorenko, Kim Kondratievich; Latash, Jury Vadimovich; Puzrin, Leonid Gustavovich; Voronin, Alexei Efimovich; Bondarenko, Evgeny Stepanovich; Vernik, Alexandr Borisovich; Kamensky, Leonid Alexeevich; Mstovoi, Alexandr Borisovich; Golovchenko, Vladimir Vlasovich; Demidov, Anatoly Vasilievich; Dolbenko, Evgeny Tikhonovich; Filippov, Sergei Mikhailovich; and Dub, Vladimir Semenovich, 3,807,486.

Vernitron Corporation: *See*—
Maciag, Edmund T., 3,796,895.
Maciag, Edmund T., 3,824,486.
Maciag, Edmund T., 3,843,898.
Neff, Ralph D., 3,808,584.

Vernon, John Pershing; and Lamkins, Douglas Wayne, to Litton Systems, Inc. Spindle mounted personnel protector. 3,787,138, 1-22-74, Cl. 408-241.00g.

Vernon, John T.: *See*—
Chesmer, Alec David; Ankrom, Albert M.; and Vernon, John T., 3,821,905.

Vernon, Walter F., to Phillips Petroleum Company. Alkylation apparatus. 3,817,708, 6-18-74, Cl. 23-260.000.

Veronda, Dan R.: *See*—
Jamison, John W.; Veronda, Dan R.; and Demmer, Roy E., 3,853,367.

Veronica, Giacinto; and Fidani, Antonio, to Montecatini Edison S.p.A. Process for preparing calcium nitrate and phosphoric acid solutions free from solid particles in suspension. 3,829,389, 8-13-74, Cl. 252-182.000.

Verret, Allen J.: *See*—
Duboisson, Sidney E.; and Verret, Allen J., 3,797,258.

Verrien, Jean Prudent Fernand Rene: *See*—
Boy-Marcotte, Jean Louis; Simmonnet, Jacques Louis Paul; Marchal, Philippe Albert Hippolyte; and Verrien, Jean Prudent Fernand Rene, 3,828,574.

Verriet, Johannes Gerardus: *See*—
Wanmaker, Willem Lambertus; and Verriet, Johannes Gerardus, 3,793,046.
Wanmaker, Willem Lambertus; and Verriet, Johannes Gerardus, 3,796,585.

Verrina S.p.A.: *See*—
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Versatec, Inc.: *See*—
Lloyd, William A., 3,793,107.
Lloyd, William A., 3,829,185.

Versatile Manufacturing Ltd.: *See*—
Stasiuk, Michael, 3,782,224.
Stasiuk, Michael, 3,847,035.

Versatile Structures Incorporated: *See*—
Dunn, Edward D., Jr., 3,846,085.

Verschuur, Eke, to Shell Oil Company. Oil/water pipeline inlet with oil supply via a large chamber. 3,822,721, 7-9-74, Cl. 137-604.000.

Verschuur, Eke, to Shell Oil Company. Oil/water pipeline inlet with means for producing a uniform oil velocity. 3,826,279, 7-30-74, Cl. 137e604.000.

Versehoore, Reinhart A.: *See*—
Fader, John H.; Keijzer, Johan H.; and Versehoore, Reinhart A., 3,857,276.

Versen, Michael A. Tire repair or installation method and seal device therefor. 3,794,098, 2-26-74, Cl. 152-428.000.

Versfelt, Charles Curtis: *See*—
Wasserman, David; and Versfelt, Charles Curtis, 3,839,297.

Versnel, John: *See*—
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Versnel, John, to Cities Service Company. Flame retardant propylene polymers. 3,794,614, 2-26-74, Cl. 260-45.75b.

Versorese, Walfredo, to Minnesota Mining and Manufacturing Company. Development composition for radiographic film. 3,854,948, 12-17-74, Cl. 96-66.00r.

Verspui, Gerrit: *See*—
Knippenberg, Wilhelmus Franciscus; and Verspui, Gerrit, 3,813,340.

Versteeg, Frits Johan, to N.V. Optische Industrie De Oude Delft. Magnifier. 3,823,999, 7-16-74, Cl. 350-216.000.

Versteeg, Geert; and Engel, Albertus J. G., to Reactor Centrum Nederland. Method for the preparation of metal borides. 3,784,677, 1-8-74, Cl. 423-252.000.

Versteeg, Gijsbert, to Imex A.G. Apparatus for the production of reinforcement. 3,825,163, 7-23-74, Cl. 228-5.000.

Verstov, Viktor Tikhonovich: *See*—
Semchinov, Sergei Nikolaevich; Petrov, Vsevolod Pavlovich; Tabunschikov, Mikhail Yakovlevich; Olkhovsky, Nikolai Alexeevich; Krivosheev, Pavel Ivanovich; Verstov, Viktor Tikhonovich; Klabukov, Alexandr Georgievich; and Gorbachev, Gennady Yakovlevich, 3,806255.

Verstraelen, Robrecht H. K.; and Van Heddegem, Luciaan H. E., to International Standard Electric Corporation. Code translator. 3,786,489, 1-15-74, Cl. 340-347.0dd.

Verstraete, Jerome A.; Noonan, John M.; and Neubert, Richard W., to Eastman Kodak Company. Novel photoresist article and process for its use. 3,832,176, 8-27-74, Cl. 96-67.000.

Verta Aktiengesellschaft: *See*—
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Vertegaal, Jacobus Gerardus, to Stark Brabant N.V. Screen printing machine. 3,785,284, 1-15-74, Cl. 101-118.000.

Verth, Joachim Zur: *See*—
Verth, Joachim Zur; and Prymelski, Franz, 3,788,870.

Verth, Joachim Zur; and Prymelski, Franz, to Verth, Joachim Zur. Xylolith building boards and sheets. 3,788,870, 1-29-74, Cl. 106-108.000.

Vertrees, Warren J., to Lee, Raymond, Organization, Inc., The. Boating apparatus. 3,846,859, 11-12-74, Cl. 9-2.00s.

Vertrieb von Werkzeugen GmbH, Firma: *See*—
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Vertue, Charles R. Device for delivering particulate material. 3,795,348, 3-5-74, Cl. 222-193.000.

Vertut, Jean: *See*—
Glachet, Charles; Guilbaud, Jean-Pierre; and Vertut, Jean, 3,817,403.

Vervloet, Christiaan: *See*—
Stephens, Roger W.; Vervloet, Christiaan; and Monnee, Hugo C. W., 3,819,553.

Verwaltungsgesellschaft m.b.H.: *See*—
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Verwegen, Henricus Johannes: *See*—
Anderson, Charles Henri Joseph; and Verwegen, Henricus Johannes, 3,784,143.

Verweij, Jan, to Koninklijke Nederlandsche Gist- en Spiritusfabriek N.V. Process for the preparation of 7-substituted amino-desacetoxy cephalosporanic acid compounds. 3,852,281, 12-3-74, Cl. 260-243.00c.

Verwey, William, to Precision Industries, Inc., mesne. Apparatus for folding and taping box blanks. 3,803,992, 4-16-74, Cl. 93-36.900.

Verwey, William G. A.; and Stanton, Stephen L., to Precision Industries, Inc. Stitching head apparatus. 3,849,790, 11-19-74, Cl. 227-90.000.

Vesci, Anthony, to International Business Machines Corporation. Two-speed drive system for print mechanism or the like. 3,853,024, 12-10-74, Cl. 74-812.000.

Vesely, Donald V., to General Signal Corporation. Low level light assembly. 3,833,804, 9-3-74, Cl. 240-125.000.

Vesely, Dwayne G. Bicycle lock. 3,808,847, 5-7-74, Cl. 70-18.000.

Vesely, Jerome A.: *See*—
Schmerling, Louis; and Vesely, Jerome A., 3,786,098.
Schmerling, Louis; and Vesely, Jerome A., 3,846,503.
Schmerling, Louis; and Vesely, Jerome A., 3,846,504.

Vesely, Jerome A., to Universal Oil Products Company. Preparation of hydroxylated aromatic compounds. 3,839,467, 10-1-74, Cl. 260-619.00r.

Vesely, Jerome A., to Universal Oil Products Company. Preparation of alkoxy substituted hydroxy aromatic compounds. 3,846,501, 11-5-74, Cl. 260-613.00d.

Vesely, Kenneth D.: *See*—
Greenwood, Arthur R.; and Vesely, Kenneth D., 3,838,038.

Vesely, Kenneth D.; and Greenwood, Arthur R., to Universal Oil Products Company. Continuous conversion and regeneration process. 3,838,039, 9-24-74, Cl. 208-108.000.

Vesely, Kenneth D., to Universal Oil Products Company. Continuous tetraalkoxy germanium production. 3,839,379, 10-1-74, Cl. 260-429.00r.

Vesely, Kenneth Donald, to Universal Oil Products Company. Recovery of platinum from deactivated catalysts. 3,856,912, 12-24-74, Cl. 423-22.000.

Vesely, Miloslav; and Bohac, Zdenek, to Vyzkumny ustav organickych syntez. Apparatus for cleaning a mercury-dropping electrode of a through-flow polarographic analyzer. 3,857,088, 12-24-74, Cl. 324-31.000.

Vessalo, William V., to Mine Safety Appliances Company. Inhalant package. 3,856,142, 12-24-74, Cl. 206-530.000.

Vessey, Clifford Alfred. Chromium alloy coated ferrous metal products. 3,834,880, 9-10-74, Cl. 29-191.200.

Vessey, Eric W.: *See*—
Pierce, Richard H.; and Vessey, Eric W., 3,819,526.
Weldes, Helmut H.; and Vessey, Eric W., 3,783,008.

Vessey, Eric W., to Philadelphia Quartz Company. Crystallizing alkali metal contact with silicate droplets in countercurrent air flow. 3,840,348, 10-8-74, Cl. 23-301.00r.

Vest, Gary W. Adjustable linearity electronic tachometer with peak readout. 3,822,402, 7-2-74, Cl. 324-169.000.

Vestal, Charles R.; and Zimmerman, Carle C., to Marathon Oil Company. Polyisocyanate-polyisocyanurate process. 3,823,119, 7-9-74, Cl. 260-77.5nc.

Vestal, Charles R., to Marathon Oil Company. Preparation of aqueous solutions of polyacrylamides suitable for supplemented recovery of petroleum. 3,825,067, 7-23-74, Cl. 166-275.000.

Vestergaard, Jorgen H.: *See*—
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Vestra-Union, S.A.: *See*—
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Heiler, Wolfgang; Muller, Rudolf; and Becker, Jean-Jacques, 3,814,039.
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Hanes, James W. E.; and Larralde, Edward, 3,797,366.
Hynes, Joseph H.; and Ortolon, Arthur P., Jr., 3,797,864.
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Larralde, Edward; and Butler, Bryan V., 3,793,835.
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Larralde, Edward; and Robinson, Glenn, 3,841,607.

Vetere, John J.: *See*—
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Vetere, John J.; and Armstrong, Donald E., to GTE Sylvania Incorporated. Photoflash lamp array having support structure on base. 3,857,667, 12-31-74, Cl. 431-95.000.

Vetor, Earl L.: *See*—
Heussy, William C.; Vetor, Earl L.; Delaney, Keith P.; and Hyde, Paul E., 3,845,737.

Vetovitz, William H. Mortar applicator. 3,799,714, 3-26-74, Cl. 425-63.000.

Vetovitz, William W. Apparatus and method for building construction. 3,782,052, 1-1-74, Cl. 52-745.000.

Vetrovec, Jan. Reinforced web making machine. 3,823,049, 7-9-74, Cl. 156-441.000.

Vetter, Artur, to Multivac Sepp Haggenmuller KG. Apparatus for longitudinally separating serially produced synthetic-resin packages. 3,848,492, 11-19-74, Cl. 83-99.000.

Vetter, Curtis E. Tethered ball apparatus adapted for play under weightless conditions. 3,856,305, 12-24-74, Cl. 273-95.00a.

Vetter, Erich, to Uniflex, Inc. Core plug. 3,840,194, 10-8-74, Cl. 242-68.600.

Vetter, Hans: *See*—
Puschel, Walter; Vetter, Hans; and Odenwalder, Heinrich, 3,844,785.

Vetter, Hans; and Meinhardt, Gunter, to Agfa-Gevaert Aktiengesellschaft. Marking ink and method of using the same. 3,816,144, 6-11-74, Cl. 106-22.000.

Vetter, Heinz, to Heimsport GmbH. Push pull rotatable wheel type exercising device. 3,841,627, 10-15-74, Cl. 272-79.00r.

Vetter, Lothar: *See*—
Forster, Karl-Heinz; Vetter, Lothar; and Stange, Helmut, 3,826,487.
Forster, Karl-Heinz; Vetter, Lothar; Johne, Hans; and Schanze, Klaus, 3,831,100.

Vetter, Michael F.: *See*—
Keil, Alfred A. H.; and Vetter, Michael F., 3,824,944.

Vetter, Ulrich, to Schaudt Maschinenbau GmbH. Apparatus for the fine balancing of grinding wheels. 3,822,514, 7-9-74, Cl. 51-169.000.

Vetter, Walter; Mueller, Hanspeter; and Geissmann, Theodor, to International Flavors & Fragrances, Inc. Preparation of fruit compositions. 3,846,570, 11-5-74, Cl. 426-399.000.

Vettiger, Peter: *See*—
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Vettore, Bruno; Enrini, Ferruccio; and Percali, Tullio, to Honeywell Information Systems Italia. Protective interlock controlling movement of head and pinch roller into operative position. 3,855,627, 12-17-74, Cl. 360-105.000.

Vey, Robert E., to Buffalo Brake Beam Company. Rod repair splice. 3,791,751, 2-12-74, Cl. 403-311.000.

Vezmar, Alexander G., to Robertson, H. H., Company. Explosion pressures release fastener. 3,828,493, 8-13-74, Cl. 52-1.000.

Vezzetti, Carol F.: *See*—
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VFG Vertriebsgesellschaft fur feuerfeste und giesstechnische Erzeugnisse mbH: *See*—
Granitzki, Karl Ernst; Schiefer, Paul; and Hess, Heinrich, 3,836,613.

Vialle, Michel; and Turpin, Michel, to Societe Wendel-Sidelor and said Vialle and said Turpin assors. to said Societe Anonyme. Method for protecting a hot rolled ferrour product. 3,826,681, 7-30-74, Cl. 117-135.100.

Viandon, Maurice Numa Louis. Scaffolding structures. 3,807,120, 4-30-74, Cl. 52-638.000.

Vianello, Domenico: *See*—
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Vianova-Kunstharz A.G.: *See*—
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Vianzon, Felipe G. Portable suspended shelf. 3,786,933, 1-22-74, Cl. 211-90.000.

Viazzi, Pierre: *See*—
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Vibranetics, Inc.: *See*—
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Vibrodyne, Inc.: *See*—
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Vicard, Pierre Georges. Filtering wall filter. 3,839,185, 10-1-74, Cl. 204-307.000.

Vice, Gunter; and Kohfeldt, Werner, to Lignacord GmbH. Folding wall or door. 3,789,906, 2-5-74, Cl. 160-199.000.

Vice, Robert M. Guide track for a stairway elevator. 3,814,027, 6-4-74, Cl. 104-247.000.

Vichutinsky, Alfred Alfredovich; and Zaslavsky, Boris Jurievich. Differential microcalorimeter. 3,791,202, 2-12-74, Cl. 73-15.00b.

Viciulis, Frank. Shield. 3,806,952, 4-30-74, Cl. 2-16.000.

Vick, James A.; and Castner, Charles S., to Schyler Development Corporation. Composition and method for cortisol control. 3,856,936, 12-24-74, Cl. 424-98.000.

Vick, Leonard L., to General Electric Company. Refrigerator cabinet construction. 3,794,396, 2-26-74, Cl. 312-214.000.

Vick, Merlin E. Wheel chock. 3,800,917, 4-2-74, Cl. 188-32.000.

Vick, W. M., mesne: *See*—
Bowman, Richard J., 3,831,141.

Vickers, Anthony G.; and Lengemann, Robert A. Combination of extractive distillation and liquid extraction process for separation of a hydrocarbon feed mixture. 3,844,902, 10-29-74, Cl. 203-46.000.

Vickers, James H.: *See*—
Bisbing, Robert H.; and Vickers, James H., 3,841,674.
Bisbing, Robert H.; and Vickers, James H., 3,850,464.

Vickers, James L., to Stone Container Corporation. Method for forming a package. 3,817,018, 6-18-74, Cl. 53-32.000.

Vickers Limited: *See*—
Ball, Graham John; and Fehr, Ivor John Martin, 3,850,171.
Gibbs, Dudley Francis; Bennet, Edward John; and Hopkinson, William Ian, 3,854,703.
Kent, Alan Walter; and O'Riley, Kenneth Walter, 3,839,958.
Mitchie, Robert Edward; and Price, Peter Michael Myatt, 3,857,095.
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Smith, Francis Hughes, 3,820,870.

Vickers, Robert V.: *See*—
Nebesar, George C.; and Vickers, Robert V., 3,799,711.

Vickers, Robert V., to Park-Ohio Industries, Inc. Method and apparatus for quench hardening valve seats. 3,810,608, 5-14-74, Cl. 266-4.00e.

Vickers, Wiley B.; and Looger, Lonnie L., to United States of America, Army. Electrical firing mechanism. 3,786,717, 1-22-74, Cl. 89-1.814.

Vickers, Zed: *See*—
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Vickers-Vandergeeten Societe Anonyme: *See*—
Vandergeeten, Albert Emile Isidore Marcel, 3,815,758.

Vickery, Arthur V., to Robertshaw Controls Company. Valve construction and control system utilizing the same. 3,791,398, 2-12-74, Cl. 137-102.000.

Vickery, Forrest C.: *See*—
McKinney, C. Daniel; and Vickery, Forrest C., 3,854,917.

Vickery, Glenn C., to Basic Incorporated. Metal oxide paste dispersions and use as curing agents. 3,850,845, 11-26-74, Cl. 252-430.000.

Vickery, Ronald C. Synthetic lightweight building material. 3,847,634, 11-12-74, Cl. 106-109.000.

Vickerys Limited: *See*—
Boyland, Albert Henry John, 3,829,927.

Vickland, Jack M., to Philco-Ford Corporation. Apparatus for wrapping cables or the like and a rotatable antenna utilizing the same. 3,789,415, 1-29-74, Cl. 343-763.000.

VICOM/ASC: *See*—
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Vicon Instrument Company, The: *See*—
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Vicon Products Corporation: *See*—
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Vicra Sterile, Inc.: *See*—
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Genma, Susumu, 3,787,275.
Honda, Masatsugu; and Shinozaki, Masanobu, 3,835,412.
Inoue, Yuzuru; and Shinozaki, Takashi, 3,845,497.
Ishigaki, Yukinobu; and Sasamura, Kohei, 3,806,667.
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Kinjo, Hisao; and Okano, Keigo, 3,805,285.
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Kondo, Tatsuo; and Murata, Masae, 3,822,888.
Moritan, Norishige; Moriya, Ikuro; Ura, Junichi; and Koono, Makoto, 3,784,761.
Nakagaki, Shintaro; Tanaka, Hideshi; and Shinozaki, Takashi, 3,808,357.
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Ohnuki, Katuhiro; Sato, Kazuhiro; Miyajima, Shin; and Hideo, Suyama, 3,816,774.
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Suzuki, Takahiro; and Ota, Yoshihiko, 3,821,797.
Takahashi, Kobuaki; Kasuga, Masao; and Ohsaki, Nobuhide, 3,798,562.
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Takahashi, Nobuaki; Nishikawa, Kazunori; Ishigaki, Yukinobu; Fujita, Yoshitoshi; and Itoh, Yasuo, 3,795,876.
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Takahashi, Nobuaki, 3,839,602.
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Victor Complometer Corporation: *See*—
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Victor Comptometer Corporation: *See*—
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Borger, Jurgen Herman; and Castellanos, Rafael A., 3,787,791.
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Fischer, Earl L., 3,800,773.
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Victor Limited: *See*—
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Victor Metal Manufacturing Company: *See*—
Porcina, Anthony, 3,805,450.

Victor Products (Wallsend) Limited: *See*—
Roberts, Frank B., 3,801,865.

Victoreen, John A. Condenser microphone having a plurality of discrete vibratory surfaces. 3,814,864, 6-4-74, Cl. 179-111.00r.
Victoria Industries, Ltd.: *See—*
Cameron, Clyde Fraser, 3,788,604.
Victoriaville Furniture Limited: *See—*
Begin, Marcel; Morrissette, Camille; Beaumier, Pierre; and Tupinier, Charles, 3,846,211.
Victorius, Claus, to Du Pont de Nemours, E. I., and Company. Thermosetting acrylic polymer powder coating compositions. 3,790,513, 2-5-74, Cl. 260-15.000.
Victory, Thomas J. Brake band end connection and method of manufacture. 3,785,042, 1-15-74, Cl. 29-480.000.
Vida, Julius A.: *See—*
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Samour, Carlos M.; and Vida, Julius A., 3,839,568.
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Vidal, Frederick D.: *See—*
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Vidal, Lucien Rene. Drag lines for concrete. 3,851,749, 12-3-74, Cl. 198-36.000.
Vidal, Luis: *See—*
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Vidal, Paul Benjamin. Method and apparatus for producing elements by moulding. 3,833,695, 9-3-74, Cl. 264-47.000.
Vidal, Pierre: *See—*
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Vidal, Roger; and Gourmandy, Raymond, to Societe Rhodiaceta. Process for simultaneously texturizing a plurality of yarns. 3,827,113, 8-6-74, Cl. 28-72.140.
Vidal, Serge: *See—*
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Campman, James P., 3,840,868.
Vidaurri, Fernando C., Jr., to Phillips Petroleum Company. Arylene sulfide polymer process. 3,790,536, 2-5-74, Cl. 260-79.100.
Vidaver, Anne M.; Van Etten, James L.; and Semancik, Joseph S. Method of preparing high yields of double stranded ribonucleic acid. 3,819,482, 6-25-74, Cl. 195-28.00n.
Videmark, Christian: *See—*
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Kardach, Gerald E.; and Treleven, Robert E., 3,798,368.
Vidmar, Albert J.; and Webb, John M., to Sherwood Refractories, Inc. Process and apparatus for drying shell molds. 3,850,224, 11-26-74, Cl. 164-4.000.
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Vidovic, Nikola, to International Video Corporation. Phase shifter with single potentiometer control. 3,806,794, 4-23-74, Cl. 323-119.000.
Vidovic, Nikola, to International Video Corporation. Technique for detecting long duration pulses from a train of short duration pulses. 3,809,809, 5-7-74, Cl. 178-69.5tv.
Vidovic, Nikola, to International Video Corporation. Video processing circuit. 3,843,957, 10-22-74, Cl. 358-21.000.
Vidovic, Nikola, to International Video Corporation. Apparatus for level shifting independent of signal amplitude having a passive peak detector. 3,852,617, 12-3-74, Cl. 307-235.000.
Vidovic, Nikola V., to Singer Company, The. Apparatus for providing sync pulses on a single conductor to a plurality of television cameras. 3,816,658, 6-11-74, Cl. 178-69.5tv.
Viebcke, Herbert. Blocks with detachable cap plates having additional mating connecting means. 3,852,909, 12-10-74, Cl. 46-26.000.
Vieceli, Joseph L.; and Williams, James T., to Sunbeam Corporation. Electric steaming and pressing appliance. 3,811,208, 5-21-74, Cl. 38-77.800.
Viecelli, James A., to United States of America, Atomic Energy Commission. Method and means for producing coherent X-ray and gamma-ray emissions. 3,813,555, 5-28-74, Cl. 250-493.000.
Viedt, Johanna: *See—*
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Viehbach, Hans-Dieter: *See—*
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Viehe, Heinz Gunter; and Janousek, Zdenek, to Roussel-UCLAF. Novel amine compounds. 3,855,293, 12-17-74, Cl. 260-564.00r.
Vieland, Leon Joseph; and Wicklund, Arnold Wilbert, to RCA Corporation. Process for preparing super-conducting niobium-gallium alloy. 3,824,082, 7-16-74, Cl. 29-194.000.
Viele, Verne R.: *See—*
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Vienna, Paul C.; and Den Herder, Marvin J., to Standard Oil Company. Sulfurized fatty oils. 3,850,825, 11-26-74, Cl. 252-48.600.
Vier, Dwayne T.: *See—*
Bowman, Melvin G.; and Vier, Dwayne T., 3,785,994.
Vier, Fritz; and Winkeler, Bernhard, to Wintershall Aktiengesellschaft. Installation for burning combustible mixtures. 3,840,181, 10-8-74, Cl. 239-127.000.
Vier, Vladimir Ivanovich: *See—*
Krjukov, Nikolai Mikhailovich; Shparber, Lazar Yakovlevich; Egorov, Anatoly Fedorovich; Denisov, Jury Petrovich; Bakshinov, Alexi Stepanovich; Shatlin, Alexei Leontievich; Kiyashko, Vladimir Safonovich; Krylov, Vitaly Nikolorvich; Marsuversky, Boris Alexanrovich; Saifutdinov, Rafik Khisamovich; and Vier, Vladimir Ivanovich, 3,792,850.
Viera, Alfredo A., to MacGregor-Comarain S.A. . 3,796,170, 3-12-74, Cl. 108-139.000.
Viereck, Gerhard Gerhard: *See—*
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Vieregge, Gustav: *See—*
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Vieregge, Gustav. Ring roll mill. 3,839,887, 10-8-74, Cl. 72-10.000.
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Vierling, Donald E.: *See—*
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Dederer, Roland; Jahns, Erwin; Maier, Herbert; Moser, Joachim; and Vierling, Karl-Heinz, 3,847,470.
Vierling, Robert L. Rotary fluid power devices. 3,847,123, 11-12-74, Cl. 123-8.450.
Viernheim, Hans-Joachim: *See—*
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Vierow, William F.: *See—*
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Vierra, Henry R.: *See—*
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Vierstraete, Jean. Cutting apparatus with work clamp. 3,851,557, 12-3-74, Cl. 83-453.000.
Viessmann, Hans. Water heating unit for gas-heated water boiler. 3,799,122, 3-26-74, Cl. 122-225.00r.
Viesturs, Eric A. Light weight flotation mattress. 3,848,282, 11-19-74, Cl. 5-348.0wb.
Vieth, Wolf R.; Wang, Shaw S.; Gilbert, Seymour G.; and Venkatasubramanian, Kalyanasundram, to Research Corporation. Biocatalytic module. 3,809,613, 5-7-74, Cl. 195-63.000.
Vietz, Helmut, to Deutsche Texaco Aktiengesellschaft. Immersion-heater dip tube. 3,794,015, 2-26-74, Cl. 126-360.00a.
Vig, John R.: *See—*
Gikow, Emanuel; and Vig, John R., 3,818,390.
Vigan, Elaine G. Plural rotatable discs chance device. 3,810,628, 5-14-74, Cl. 273-142.0ha.
Vigdahl, Roger L.: *See—*
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Vigeant, George Henry, Mrs.: *See—*
Kloth, James Albert; and Vigeant, George Henry, 3,854,114.
Vigh, Sandor. Bolster chair. 3,839,838, 10-8-74, Cl. 52-687.000.
Vigifeu Aubervillios: *See—*
Lecuyer, Daniel Marie Pierre, 3,792,254.
Vigil, Jacob F.; Billard, Stephen L.; Oropesa, Joel T.; and Armstrong, Ralph W., Jr., to Burroughs Corporation. Fail-soft interrupt system for a data processing system. 3,828,324, 8-6-74, Cl. 340-172.500.

Vigil, Jacob F.; and Wise, John Brenton, III, to Burroughs Corporation. Method and apparatus for regulating input/output traffic of a data processing system. 3,840,859, 10-8-74, Cl. 340-172.500.
Vigil, Jacob Frank: *See—*
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Vigliermo, Amerigo: *See—*
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Viglione, Giovanni, to Nuova San Giorgio S.p.A. Grasping device for doffing full bobbins and reloading empty tubes in a spinning frame. 3,808,788, 5-7-74, Cl. 57-52.000.
Viglione, Giovanni, to Nuova San Giorgio S.p.A. Method for automatically doffing cops in a ring spinner. 3,813,870, 6-4-74, Cl. 57-156.000.
Vigliotti, Peter, 10% to Lee, Raymond, Organization, Inc., The. Construction brick. 3,818,656, 6-25-74, Cl. 52-100.000.
Vigneau, Joel Olivier: *See—*
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Vigneron, Frank: *See—*
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Vignes, Roger, to Gaz de France. Auto-stabilised gas-burner. 3,820,945, 6-28-74, Cl. 431-349.000.
Vignini, Walter R.; and Molloy, Martin, to Sonotone Corporation, mesne. Acoustic CROS hearing aid. 3,809,829, 5-7-74, Cl. 179-107.00s.
Vignini, Walter R., to Sonotone Corporation, mesne. Hearing aid nozzle with resilient bayonet lock. 3,813,499, 5-28-74, Cl. 179-107.00h.
Vigo, Francesco M.: *See—*
Foley, Kevin M.; Mc Combs, Frank P.; and Vigo, Francesco M., 3,839,236.
Viguie, Jean-Claude: *See—*
Spitz, Jean; and Viguie, Jean-Claude, 3,840,391.
Viguier, Leon Fernand, to Laboratories Medicoplast. Leak-proof device for controlling the flow of a fluid in a flexible tube. 3,802,662, 4-9-74, Cl. 251-342.000.
Vihma, Johannes, to Artistic Woodwork Co., Ltd. Picture frame. 3,851,415, 12-3-74, Cl. 40-152.000.
Vijayendran, Bheema R., to Pitney-Bowes, Inc. Lithographic ink comprising polystyrene sulfonate. 3,844,994, 10-29-74, Cl. 260-22.00r.
Vik, Albam M., to Dempco, Inc. Lock for trailer hitch coupler nut. 3,796,074, 3-12-74, Cl. 70-231.000.
Vikhly Georgy Alexandrovich: *See—*
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Iversen, Ralph T., 3,816,641.
Lapraik, Scott J., 3,803,530.
Viksne, George Juris, to Stauffer Chemical Company. Stabilized heat curable silicone elastomers. 3,810,925, 5-14-74, Cl. 260-37.0sb.
Viksne, George Juris, to Stauffer Chemical Company. Low compression set siloxane elastomers. 3,817,910, 6-18-74, Cl. 260-37.0sb.
Vilagi, Burton J.: *See—*
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Nord, Eric T.; Rood, Alvin A.; Vilagi, Burton J.; and Horvath, Richard A., 3,843,055.
Vilagi, Burton J.; and Stumphauzer, William C., to Nordson Corporation. Apparatus for emplacing seals to closures for containers. 3,788,561, 1-29-74, Cl. 239-553.500.
Vilain, Robert, to Entreprise d'Equipement Mecaniques & Hydrauliques E.M.H. Floating systems of the barge type, especially for drilling in deep water. 3,841,249, 10-15-74, Cl. 114-.50d.
Viland, Clare Kenneth. Method and appparatus for preventing loss of hydrocarbons to atmosphere. 3,815,327, 6-11-74, Cl. 55-80.000.
Vilceanu, Radu: *See—*
Schmidt, Walter-Ernest; and Vilceanu, Radu, 3,801,579.
Vilcu, Petru T.: *See—*
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Vilen, Erik O., to Blakeslee, G. S., & Co. Rotating feed table for dishware and the like. 3,836,003, 9-17-74, Cl. 210-241.000.
Viles, Alan H.: *See—*
Raymond, David G.; Smith, Gary C., Jr.; and Viles, Alan H., 3,783,743.
Vilips, Viesturs Valentins; Lowey, Joseph; and Payne, Paul E., to Milgo Electronic Corporation. Data modem having a fast turn-around time over direct distance dialed networks. 3,783,194, 1-1-74, Cl. 179-2.0dp.
Viljoen, Johan P., to Marine Construction & Design Co. Fishing net hauling sheave device with powered presser wheel system. 3,791,625, 2-12-74, Cl. 254-138.000.
Vilkas, Michel; and Senechal, Guy, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Preparation of hydroxycitronellal. 3,852,360, 12-3-74, Cl. 260-602.000.
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Villa, Jose L., to Thiokol Chemical Corporation. Abietate modified polysulfide polymers. 3,813,368, 5-28-74, Cl. 260-79.000.
Villa, Jose L., to Thiokol Chemical Corporation. Liquid polymercapto adhesion promoting agents adapted to be incorporated in polysulfide sealant compositions to improve the adhesion thereof and polysulfide sealant compositions containing the same. 3,817,93, 6-18-74, Cl. 260-75.00s.
Villa, Jose L., to Thiokol Chemical Corporation, mesne. Abietate modified polysulfide polymers as adhesive additives for liquid polysulfide polymer based adhesive compositions. 3,838,078, 9-24-74, Cl. 260-24.000.
Villa, Jose L., to Thiokol Chemical Corporation. Inherently mold-releasable mold or casting composition. 3,838,110, 9-24-74, Cl. 260-77.5cr.
Villa, Jose L.; and Iserson, Hyman, to Thiokol Chemical Corporation. Perfluoroalkyl iodide modified polybutadiene resins. 3,842,053, 10-15-74, Cl. 260-83.300.
Villa-Real, Anthony-Euclid. Automatic elasto-valvular hypodermic sampling needle. 3,848,579, 11-19-74, Cl. 128-2.00f.
Villadsen, Vagn Hovgaard, to Aktieselskabet Thomas Ths. Sabroe & Co. Cleaning of pressurized condensable gas. 3,850,009, 11-26-74, Cl. 62-473.000.
Villalobos, Joseph A., to AER Corporation. Horizontal flat bed through drying system. 3,849,904, 11-26-74, Cl. 34-155.000.
Villalobos, Luis F.; Harano, Allen A.; and Breinlinger, Richard H., to Hughes Aircraft Company, mesne. System for generating orthogonal control signals to produce curvilinear motion. 3,809,868, 5-7-74, Cl. 235-151.000.
Villani, Frank J., to Schering Corporation. Benzopyrano pyridines. 3,803,153, 4-9-74, Cl. 260-293.530.
Villani, Gerard J.: *See—*
Hluchan, Stephen E.; and Villani, Gerard J., 3,809,971.
Villani, Gerard J., to Norton Company. Capacitor powder. 3,849,124, 11-19-74, Cl. 75-177.000.
Villani, Victor: *See—*
Connelly, David M.; and Villani, Victor, 3,842,439.
Villano, John A. Method for milling cams for swiss-type screw machines. 3,831,487, 8-27-74, Cl. 90-11.00c.
Villanueva, Antonio F. Hair conditioner. 3,824,304, 7-16-74, Cl. 424-74.000.
Villar Echevarria, Jesus; and Villar Lopez, Jesus. Geographical timepiece or clock. 3,827,233, 8-6-74, Cl. 58-44.000.
Villar Lopez, Jesus: *See—*
Villar Echevarria, Jesus; and Villar Lopez, Jesus, 3,827,233.
Villard, George, to Eastman Kodak Company. 'Onium indo-n-arylsulfoaniline. 3,813,244, 5-28-74, Cl. 96-3.000.
Villari, Frank K.: *See—*
McWhorter, Daniel M.; and Villari, Frank K., 3,831,823.
Villari, Frank K. Fenestrated drape with retaining means. 3,835,851, 9-17-74, Cl. 128-132.00d.
Villari, Frank K., to Kendall Company, The. Sterile caps for a liquid drainage system and method. 3,835,862, 9-17-74, Cl. 128-349.00r.
Villari, Frank K., to Kendall Company, The. Catheterization package. 3,851,649, 12-3-74, Cl. 128-275.000.
Villarreal, David: *See—*
Celada, Juan; Villarreal, David; and MacKay, Patrick W., 3,799,521.
Villarreal-Paredes, Alfonso. Valve for tanks of sanitary apparatus. 3,817,275, 6-18-74, Cl. 137-436.000.
Villarroel, Fernando: *See—*
Campagnuolo, Carl J; McKindra, Clayton D.; Sewell, Clinton J.; Villarroel, Fernando; and Woolston, Lionel L., 3,783,310.
Villata, Luigi: *See—*
Vallinotto, Michele; and Villata, Luigi, 3,847,331.
Villavicencio, Eduardo J., to Process Evaluation and Development Corporation. Prehydrolysis and digestion of bagasse fibers. 3,832,278, 8-27-74, Cl. 162-80.000.
Villax, Ivan. Process of preparation of 16beta-methyl-9alpha-fluorosteroids. 3,792,046, 2-12-74, Cl. 260-239.55r.
Villax, Ivan. Process of dehalogenation and dehalogenation with simultaneous reduction of 11a-halo-6-deoxy-3-demethyl-6-methylenetetracyclines by hydrazine. 3,849,491, 11-19-74, Cl. 260-559.0at.
Villazon, Francisco: *See—*
Plana, Roberto; and Villazon, Francisco, 3,835,444.

Villeger, Jean G. Solid heat insulation panel for building. 3,835,611, 9-17e74, Cl. 52-621.000.
Villeret, Michel: *See—*
Deschenes, Pierre A.; Stephenne, Hubert; and Villeret, Michel, 3,857,111.
Villeret, Michel; Stephenne, Hubert; and Deschenes, Pierre A., to Universite de Sherbrooke, Bureau des Recherches et des Bourses. Outside loop adaptative delta modulation system. 3,794,919, 2-26-74, Cl. 325-38.00b.
Villers, Philippe; Allen, Martin A.; and Mulvaney, James M., to Computervision Corporation. Enhanced contrast semiconductor wafer alignment target and method for making same. 3,802,940, 4-9-74, Cl. 148-187.000.
Villette, Guy. Filter device. 3,841,487, 10-15-74, Cl. 210-123.000.
Villette, Guy J., to Societe a Responsabilite Limitee dite: Filtres Siebec. Device for producing uniform distribution of product dissolving in a current of water. 3,833,152, 9-3-74, Cl. 222-193.000.
Villier, Raymond: *See—*
Gaul, Alan R.; and Villier, Raymond, 3,800,201.
Villiers, Elizabeth A.: *See—*
Getscher, Phillip E.; and Hesser, Henry G. (said Hesser assor. of), 3,824,995.
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Villiers, Ralph F.: *See—*
Yelin, Robert E.; Frazier, Jeffrey R.; and Villiers, Ralph F., 3,795,482.
Yelin, Robert E.; Hendrix, James E.; and Villiers, Ralph F., 3,837,798.
Villiers-Fisher, John F., to Chemical Construction Corporation. Removal of sulfur dioxide from gas streams. 3,833,711, 9-3-74, Cl. 423-244.000.
Villiger, Felix; and Gerber, Albert, 50% to Arova Schaffhausen AG and Losinger AG. Multi-layer fabric. 3,811,480, 5-21-74, Cl. 139-384.000.
Vilsmeier, Wolfgang; and Fischer, Adolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Substituted 1-phenyl-4-N-acetoacetatam ino-5-halogenpyridazone-(6) compounds. 3,796,708, 3-12-74, Cl. 260-250.00a.
Vilter Manufacturing Corporation: *See—*
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Kocher, Erich J., 3,789,675.
Vilutene, Valentina Alexeevna: *See—*
Sharmaitis, Romas Romovich; Vilutene, Valentina Alexeevna; and Matulis, Juozas Juozovich, 3,855,010.
Vinal, Albert W.: *See—*
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Vinal, Albert W., to International Business Machines Corporation. Magnetic key mechanism or the like. 3,815,066, 6-4-74, Cl. 335-306.000.
Vinals Socias, Luis; Blanco Rodriguez, Jose; and Fernandez Ugalde, Francisco Javier, to Fabrica Espanola de Productos Quimicos of Farmaceuticos S.A. Doxycycline acetylcysteineate. 3,847,973, 11-12-74, Cl. 260-501.120.
Vinarcsik, Joseph E.; and Jachim, John A., to Hi-Hard Rolls, Inc. Conveyor roller structure. 3,853,214, 12-10-74, Cl. 198-127.00r.
Vince, Robert, to University of Minnesota, The Regents of the. ( )-9-(β-(3α-amino-2α-hydroxy) cyclopentyl)-6-substituted-purines and derivatives. 3,825,541, 7-23-74, Cl. 260-253.000.
Vincent, Arthur Leonard: *See—*
Austin, Robert R.; and Vincent, Arthur Leonard, 3,833,508.
Vincent, Arthur Leonard; Wysocki, Lawrence Eugene; and Abrams, Herman B., to International Telephone and Telegraph Corporation. Photmetric analyzer. 3,796,887, 3-12-74, Cl. 250-565.000.
Vincent, Arthur Leonard, to International Telephone and Telegraph Corporation. Sample extraction method and apparatus. 3,800,595, 4-2-74, Cl. 73-19.000.
Vincent, Clifford A., to Consolidated Rock Products, Company. Dust collection system. 3,799,221, 3-26-74, Cl. 141-93.000.
Vincent, David N.: *See—*
Vassiliades, Anthony E.; Vincent, David N.; and Shroff, Shrenik, 3,824,114.
Vassiliades, Anthony E.; Vincent, David N.; and Shroff, Shrenik, 3,844,816.
Vincent, David N.; and Chang, Cheng Hsiung, to Champion International Corporation. Dilactone chromogenic compounds, preparation thereof, and pressure-sensitive copy systems employing same. 3,819,396, 6-25-74, Cl. 117-36.200.
Vincent, David N.; and Chang, Cheng Hsiung, to Champion International Corporation. Bisfluoran chromogenic compounds, preparation thereof, and pressure-sensitive copy systems employing same. 3,821,010, 6-28-74, Cl. 117-36.200.
Vincent, David N., to Champion International Corporation. Inorganic pigment-loaded polymeric microcapsular system. 3,839,064, 10-1-74, Cl. 106-308.00m.
Vincent, Derek Arthur: *See—*
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Vincent, Floyd O.: *See—*
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Vincent Frederick Reginald: *See—*
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Vincent, Gary A., to Dow Corning Corporation. Electrical devices containing dielectric fluid. 3,838,056, 9-24-74, Cl. 252-64.000.
Vincent, Gerald H., to Combustion Engineering, Inc. Process for producing plaster from byproduct gypsum. 3,782,986, 1-1-74, Cl. 106-110.000.
Vincent, James Henry, to American Standard, Inc. Electrostatic precipitator employing dielectric grids. 3,820,306, 6-28-74, Cl. 55-123.000.
Vincent, John D.: *See—*
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Ronzio, Richard A.; Kay, Herbert; and Vincent, John D., 3,848,049.
Vincent, Marcel, to Coleman Company, Inc., The. Snowmobile suspension system. 3,788,412, 1-29-74, Cl. 180-5.00r.
Vincent, Michel; Remond, Georges; and Poignant, Jean-Claude, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. Cyclohexenyl acetic acid compounds. 3,801,628, 4-2-74, Cl. 260-500.50h.
Vincent, Michel; Remond, Georges; and Poignant, Jean-Claude, to Societe en nom collectif Science Union et Cie, Societe Francaise de Recherche Medicale. α(4-Cyano-4-aryl-1-cyclohepenyl)-propionic acids and esters. 3,803,203, 4-9-74, Cl. 260-465.00d.
Vincent, Ogden W., to San/Bar Corporation. Telephone station disconnect device. 3,852,537, 12-3-74, Cl. 179-17.00b.
Vincent, Peter Incledon: *See—*
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Vincent, William R.; and Abu-Isa, Ismat A., to General Motors Corporation. Plating pre-treatment in acrylonitrile butadiene styrene. 3,847,648, 11-12-74, Cl. 117-47.00a.
Vincett, Colin Jeffrey: *See—*
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Vindgradov, Konstantin Vladimirovich: *See—*
Ali Zade, Ali Ashraf Abdul Gusein; Aliev, Eldar Shirali; Vindgradov, Konstantin Vladimirovich; Gamzaev, Farkhad Aga; Movsumzade, Mir Samed Ali; Pirverdian, Alexandr Mikhailovich; and Sultanov, Aslan Bakhram, 3,805,620.
Vine, Raymond W.: *See—*
Dews, George H.; and Vine, Raymond W., 3,801,374.
Viner, Richard L. Apparatus for recovering unused concrete. 3,786,997, 1-22-74, Cl. 241-101.700.
Vines, Darrell L.: *See—*
Divine, David L.; and Vines, Darrell L., 3,854,226.
Vineski, John E.: *See—*
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Viney, Alan Charles: *See—*
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Vinh, Louis Andre Duong, to Etablissememts Guilliet. Cutting tool for parts made of wood or similar material. 3,817,304, 6-18-74, Cl. 144-136.00r.
Vining, E. Heath, Jr., to E-Systems Inc. Coupling apparatus. 3,806,267, 4-23-74, Cl. 403-362.000.
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Tolstov, Jury Georgievich; Skorovarov, Vladimir Efremovich; Grinshtein, Boris Ilich; Stepanova, Valentina Gavrilovna; Bashkatov, Ivan Pavlovich; Vinitsky, Jury Danilovich; Balyasinsky, Valery Ottovich; and Shmusrov, Valery Pavlovich, 3,848,156.
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Vinokurov, Vasily Ivanovich: *See—*
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Vinsani, Mario, to Honeywell Information Systems Italia. Device for testing the operation of sequential integrated circuital units. 3,821,645, 6-28-74, Cl. 324-73.00r.
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Vinson, Billy H., to Digital Scientific Corporation. Read only memory. 3,787,821, 1-22-74, Cl. 340-173.0sp.
Vinson, Paul. Sensing device for controlling the movement of sheet stock. 3,825,204, 7-23-74, Cl. 242-75.300.
Vinson, Paul. Press with multiple shuttle feed. 3,841,181, 10-15-74, Cl. 83-50.000.
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Vinycomb, William Anthony, to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence, in Her Britannic Majesty's Government of the. Ground anchors. 3,828,497, 8-13-74, Cl. 52-155.000.
Vinyl Products Limited, mesne: *See—*
Sturt, Alan Charles; and Williams, Richard Harvey, 3,856,733.
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Vio, Lino, to Societe Anonyme dite: Societe Nationale des Petroles d'Aquitaine. Process for polymerizing vinyl aromatic monomers using new radical-type catalysts. 3,792,126, 2-12-74, Cl. 260-880.00r.
Violante, Alfonso Monroy. Surgical instrument. 3,840,017, 10-8-74, Cl. 128-340.000.
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Violet, Paul Aviron; and Blind, Andre, to Rhone-Poulenc S.A. Process for the preparation of 2-amino-pyridines. 3,793,336, 2-19-74, Cl. 260-296.00r.
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Violette, John A., to United Aircraft Corporation. Platform for compressor or fan blade. 3,801,222, 4-2-74, Cl. 416-220.000.
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Viout, Andre; and Papantoniou, Christos, to Societe Anonyme dite: L'Oreal. Hair set lacquer and lotion composition. 3,817,950, 6-18-74, Cl. 260-80.720.
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Nemeth, Edward; and Gromek, Joseph, 3,812,568.
Viqut, Andre; and Papantoniou, Christos, to L'Oreal. Hair lacquers and lotions containing N-vinylpyrrolidone copolymers. 3,806,317, 4-23-74, Cl. 8-127.510.
Vir Singh, Mahendra, to Rockwell International Corporation. Printing press cylinder support and control. 3,786,749, 1-22-74, Cl. 101-247.000.
Viracola, Joseph R. Method and apparatus for classifying the tire width of moving vehicles. 3,835,449, 9-10-74, Cl. 340-38.00r.
Virani, Gopal J.; and Gelzheiser, Francis L., to Westinghouse Electric Corporation. Electrical receptacle with self-grounding element. 3,806,856, 4-23-74, Cl. 339-14.00r.
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Virblas, August. Mailbox support. 3,802,656, 4-9-74, Cl. 248-145.000.
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Virnig, Sep Jacob. Wheel dolly. 3,850,321, 11-26-74, Cl. 214-331.000.
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Waxman, Burton Harvey; Shannahan, Robert Thomas; and Viro, Felix, 3,843,370.
Viro, Felix; Shannahan, Robert Thomas; and Waxman, Burton Harvey, to GAF Corporation. Color diffusion transfer process utilizing azo coupling to actuate diffusion of color providing species. 3,837,852, 9-24-74, Cl. 96-3.000.
Viron, Michel Jean-Pierre. Hydraulic jack. 3,817,152, 6-18-74, Cl. 91-411.00a.
Vis, Willem Leyzers. System for controlling the movement of a vehicle or object along a path. 3,842,744, 10-22-74, Cl. 104-88.000.
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Viscione, Eugene G. Karate fighter. 3,804,406, 4-16-74, Cl. 272-76.000.
Viscolosi, Louis A., Jr.: *See—*
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Visor, Frederick C., to Flents Products Co., Inc. Adjustable ear plug. 3,800,791, 4-2-74, Cl. 128-152.000.
Visos, Charles D.; Love, John J.; and Smith, Carl A., to Emerson Electric Co. Adjustable stepped-opening diaphragm gas valve. 3,800,823, 4-2-74, Cl. 137-489.500.
Visser, H., N.V.: *See—*
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Visser, Harry Dale; and Nudenberg, Walter, to Uniroyal Inc. Molecular weight regulation of ethylene-alpha-olefin copolymers. 3,819,592, 6-25-74, Cl. 260-80.780.
Visser, Hinderikus Lucas. Automatic pistol. 3,803,976, 4-16-74, Cl. 89-129.00b.
Visser, Jan Cornelis, to B.V. Maschinefabrik en Ijzergisterij Holland Bergen op Zoom. System for indicating the position of a control member adjustable by means of a handwheel and spindle. 3,785,338, 1-15-74, Cl. 116-125.000.
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Visser, Peter J., to Clark Equipment Company. Linear actuator. 3,824,904, 7-23-74, Cl. 92-128.000.
Visser, Peter J., to Clark Equipment Company. Load handling apparatus. 3,827,743, 8-6-74, Cl. 294-67.0bb.
Visser, Robertus Gerardus, to Visser, Johan W., and Amstelveen, Frans Verlinden. Arrangement for supervising an electric circuit. 3,826,968, 7-30-74, Cl. 322-99.000.
Visser, Ronald C.; and Stewart, Vernon G., to Mission Manufacturing Company. Rotary drilling head and method of breaking pipe joints. 3,851,714, 12-3-74, Cl. 173-164.000.
Visser, Simon A. D.: *See—*
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Visser-Patings, Wilhelmina Louise Maria. Pouring stop. 3,833,150, 9-3-74, Cl. 222-109.000.
Visseren, Marinus J. R.; and Graff, Renier J. L., to Stamicarbon N.V. Process of preparing a latex of an organic polymer from a solution of this polymer in an organic solvent. 3,839,258, 10-1-74, Cl. 260-29.7em.
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Viswanathan, G.R., to Honeywell Information Systems, Inc. Encoding technique for enabling a device to process different types of digital information transmitted along a single information channel. 3,827,026, 7-30-74, Cl. 340-167.00a.
Vit, Jaroslav: *See—*
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Simmons, Todd S.; Trinks, Rudolph H.; and Vit, Jaroslav, 3,852,309.
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Vit, Jaroslav, to National Patent Development Corporation. Preparation of aldehydes from esters. 3,839,367, 10-1-74, Cl. 260-347.800.
Vit, Jaroslav; Casensky, Bohuslav; Mamula, Milan; and Marchacek, Jiri, to Ceskoslovenska Akademie Ved. Method of reducing organic compounds by means of sodium-aluminum hydrides. 3,852,262, 12-3-74, Cl. 260-205.000.
Vit, Rudy. Apparatus for delimbing and loading full-length trees. 3,850,469, 11-26-74, Cl. 294-88.000.
Vitack, George; Vitack, Rose; Vitack, Josephine; and Spector, George. Safety device for airplanes land safety. 3,833,192, 9-3-74, Cl. 244-139.000.
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Vital, Zoltan; and Orban, Jean, to Ponder & Best, Inc. Electronic photoflash. 3,809,951, 5-7-74, Cl. 315-149.000.
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Vital, Zoltan; and Orban, Jean, to Ponder & Best, Inc. Variable optical attenuator for a light sensor. 3,843,267, 10-22-74, Cl. 356-225.000.
Vital, Zoltan; and Orban, Jean, to Ponder & Best, Inc. Automatic control of light flash pulses. 3,857,064, 12-24-74, Cl. 315-241.00p.
Vitale, Constance, to Vitale's Italian Foods, Inc. Process for preparing frozen rolled lasagna. 3,798,343, 3-19-74, Cl. 426-502.000.
Vitale, Martin H.; and Gricol, Joseph D., to Phoenix Steel Corporation. Apparatus for limiting mast travel in electric furnace system. 3,823,243, 7-9-74, Cl. 13-13.000.
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Vitalis, Emil Alfred; and Tracey, Donald John, Jr., to American Cyanamid Company. Novel alkali metal salts of higher aliphatic fatty acid ethanolamide sulfosuccinate as foaming agents for latices and compositions containing the same. 3,856,722, 12-24-74, C. 260-2.50l.
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Viterbo, Rene; and Jacques, Jean, to Richardson-Merrell S.p.A. Optical isomers of binaphthylphosphoric acids. 3,848,030, 11-12-74, Cl. 260-936.000.
Viterbo, Rene; Mastursi, Michele; and Perri, Giulio Cesare, to Richardson-Merrell S.p.A. Mannich bases of cyclopentanones and cyclopent-2-enones and process of preparing the same. 3,852,296, 12-3-74, Cl. 260-247.70k.
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Vitovsky, Nikolai Alexandrovich; Vikhly Georgy Alexandrovich; Mashovets, Tatyana Vadimovna; and Ryvkin, Solomon Meerovich. Method of manufacture of a superconducting material. 3,829,334, 8-13-74, Cl. 148-125.000.
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Vittoz, Eric Andre, to Centre Electronique Horloger, S.A. Temperature sensing device. 3,809,929, 5-7-74, Cl. 307-310.000.
Vittoz, Eric Andre, to Centre Electronique Horloger S.A. Current comparing device. 3,810,006, 5-7-74, Cl. 324-62.000.
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Vittoz, Eric Andre, to Centre Electronique Horloger S.A. Frequency dividing logic structure. 3,829,714, 8-13-74, Cl. 307-225.00c.
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Viventi, Richard V., to General Electric Company. Radiation induced polymerization of polysiloxanes. 3,816,282, 6-11-74, Cl. 204-159.130.
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Vogelmann, Manfred: *See*—
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Vollick, Carlisle N.; and Williams, Stanley J., to Bach-Simpson Limited. Gas blast wiping collar for cleaning pipettes. 3,842,680, 10-22-74, Cl. 73-425.40p.
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Vollrath, Walter J., Jr.; Vollrath, Richard J.; Virnoche, Paul R.; Turk, Joseph; Gerdes, Paul E.; and Singer, Roy W., to Polar Ware Company. Incinerator toilet. 3,789,434, 2-5-74, Cl. 4-131.000.
Vollum, Charles Howard; and Broughton, Sidney Hubert, to Tektronix, Inc. Common transport for magnetic tape cartridge or magnetic card cartridge. 3,831,199, 8-20-74, Cl. 360-94.000.
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Vom Dorp, Walter; and Eversberg, Hans, to Wean United, Inc. Rolling of tubular blooms to produce tubes. 3,823,594, 7-16-74, Cl. 72-209.000.
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von Ballmoos, Fritz; Grieder, Traugott; Grohmann, Herbert; and Gutmann, Rolf. Method and apparatus for the adjustment of a plurality of floodlights. 3,845,351, 10-29-74, Cl. 315-293.000.
Von Bebenburg, Walter; and Posselt, Klaus, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Pyrazolyl-phenylalkylamino-ketones. 3,819,617, 6-25-74, Cl. 260-240.00k.
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Von Berckheim, Constantin Graf. Arrangement for producing an electrostatic steady field. 3,840,788, 10-8-74, Cl. 317-262.0ae.

Von Berlichingen, Max. Air jet head assembly for pit type incinerators. 3,845,729, 11-5-74, Cl. 110-72.00r.
Von Bogdandy, Ludwig; Becker, Helmut; Grewer, Rudolf; Pantke, Heinz Dieter; and Pohl, Ulrich, to Thyssen Niederrhein GmbH Hutten und Walzwerke. Shaft-type direct-reduction furnace. 3,810,609, 5-14-74, Cl. 266-25.000.
Von Bonin, Wulf; Geiger, Julius; Meinhardt, Gunter; Meyer, Karl-Otto; Wagenknecht, Werner; and Himmelmann, Wolfgang, to Agfa-Gevaert Aktiengesellschaft. Photographic materials with antistatic layers. 3,791,831, 2-12-74, Cl. 96-87.00a.
Von Bonin, Wulf, to Bayer Aktiengesellschaft. Hardening of waterglass solutions using pyrocarbonic acid esters and/or carboxylic-carbonic acid ester anhydrides. 3,817,766, 6-18-74, Cl. 106-75.000.
Von Bonin, Wulf, to Bayer Aktiengesellschaft. Production of foamed silicate moldings where the foamable composition is gelled prior to foaming. 3,827,869, 8-6-74, Cl. 65-22.000.
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Von Braunschweig, Georg, to Rheinstahl AG, Firma. Tractor-shovel with pivotal steering means. 3,809,176, 5-7-74, Cl. 180-79.20b.
Von Bredow, Hans D. Apparatus for assembling confection-serving containers of the push up type. 3,807,022, 4-30-74, Cl. 29-208.00b.
Von Casimir. Pulsefree peristaltic pump and method of operating same. 3,826,593, 7-30-74, Cl. 417-53.000.
Von Castelmur, Hans, to Solco Basel AG. Complex compound of a substituted 3-amino-3-pyrazolin and methods of producing and further reacting the same. 3,824,251, 7-16-74, Cl. 260-310.00a.
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Von Daeniken, Niklaus, to Messrs. Franz Buttner AG. Ink ribbon cartridge removable spools. 3,833,108, 9-3-74, Cl. 197-151.000.
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Vornberger, Walter, to International Shoe Machine Corporation. Method and machine for cement lasting. 3,831,216, 8-27-74, Cl. 12-145.000.
Vornberger, Walter, to International Shoe Machine Corporation. Roughing machine with roughing tool sharpening mechanism. 3,831,405, 8-27-74, Cl. 69-6.500.
Vornberger, Walter, to International Shoe Machine Corporation. Roughing machine having counterweighted roughing tool. 3,854,250, 12-17-74, Cl. 51-99.000.
Vornberger, Walter, to International Shoe Machine Corporation. Quick-release mechanism for clamping a tool on a hub. 3,854,830, 12-17-74, Cl. 403-252.000.
Vorobeva, Antonina Ivanovna; Gorina, Vera Mikhailovna; and Obolentsev, Roman Dmitrievich; deceased (by Sedova, Vera Nikolaevna; Obolentsev, Elena Romanovna; and Popodko, Natalia Romanovna; administrators). Method of purifying petroleum-origin mercaptans. 3787,502, 1-22-74, Cl. 260-609.00r.
Vorobiev, Gennady Afanasievich: *See—*
Solonitsyn, Rem Alexandrovich; Vjukov, Ivan Elizarovich; Gorbachev, Leonid Alexeevich; Belonogov, Anatoly Mikhailovich; Vorobiev, Gennady Afanasievich; and Efimov, Alexandr Vasilievich, 3,834,982.
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Voronin, Mjud Izrailevich; Gnusarev, Gennady Petrovich; Mekler, Abram Grigorievich; and Sosedov, Viktor Ivanovich. Apparatus for the automatic control of a monorail road. 3,815,509, 6-11-74, Cl. 104-88.000.
Voronkov, Anatoly Vasilievich: *See—*
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Voronoff, George N., to Textron, Inc. Broadband spiral antenna. 3,828,351, 8-6-74, Cl. 343-740.000.
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Vos, Herman M. A.: *See—*
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Vosburgh, Lloyd E., to General Electric Company. Method and structure for mounting semiconductor chips. 3,802,065, 4-9-74, Cl. 29-574.000.
Vosburgh, Robert D.: *See—*
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Voscovich, Steven J., to Relton Corporation. Center guided tile drill. 3,810,514, 5-14-74, Cl. 175-403.000.
Voser, Albert, to Inventio Aktiengesellschaft. Door actuation apparatus with locking mechanism for elevators. 3,783,977, 1-8-74, Cl. 187-52.000.
Voshage, Rudolf: *See—*
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Voshall, Roy E., to Westinghouse Electric Corporation. Vacuum interrupter for high voltage application. 3,792,214, 2-12-74, Cl. 200-144.00b.
Voshall, Roy E., to Westinghouse Electric Corporation. Laser initiated three electrode type triggered vacuum gap device. 3,811,070, 5-14-74, Cl. 315-150.000.
Voshel, Gerald Lee, to Lehara, Werner, Inc. Oven conveyor and method. 3,824,067, 7-16-74, Cl. 432-74.000.
Voshel, Gerald Lee, to Lehara, Werner, Inc. Oven conveyor and method. 3,844,708, 10-29-74, Cl. 432-11.000.
Voskoboinikova, Lidia Mikhailovna: *See—*
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Voskuil, Donald J.; and Konieczny, Zygmunt, to PPG Industries, Inc. Pigment treatment to prevent settling. 3,793,044, 2-19-74, Cl. 106-262.000.
Vosolsobe, Jan; Dohnalek, Rudolf; Kadlec, Bohumil; Michalek, Jiri; Simecek, Antonin; Cap, Miroslav; and Novak, Miroslav, to Trust Ceskoslovenskeho prumyslu dusikarenskeho Praha. Catalysts for the oxidation of ammonia to nitrogen oxide. 3,853,790, 12-10-74,Cl. 252-464.000.
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Vosper, Ralph Richard, to Coen Company. Direct-fired heating and combustion chamber. 3,811,827, 5-21-74, Cl. 432-221.000.
Vosper Thornycroft Limited: *See—*
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Voss, Alfred; Kroschel, Heinz; and Strunk, Manfred, to Dynamit Nobel Aktiengesellschaft. Detachable connection between a projectile and a propellant-charge case. 3,805,702, 4-23-74, Cl. 102-38.000.
Voss, David L.: *See—*
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Voss, Francis D. Jack support extender. 3,853,302, 12-10-74, Cl. 254-133.00r.
Voss, Hans Hermann, to Armaturenfabrik Hermann Voss. Pipe coupling. 3,857,591, 12-31-74, Cl. 285-341.000.
Voss, Hartwig, to Continental Gummi-Werke Aktiengesellschaft. Air spring bellows. 3,797,816, 3-19-74, Cl. 267-65.00r.
Voss, Herman. Materials handling scoop. 3,788,507, 1-29-74, Cl. 214-620.000.
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Voss, Peter; Niederprum, Hans; and Beyl, Volker, to Bayer Aktiengesellschaft. Preparation of perfluoroalkylsulfonylaryl esters. 3,803,199, 4-9-74, Cl. 260-456.00a.
Voss, Raymond G.; and Ramsay, Ray D. Process for forming a non-woven, fiber web. 3,804,936, 4-16-74, Cl. 264-93.000.
Voss, Robert C.: *See—*
Van Allman, Don T.; and Voss, Robert C., 3,850,692.
Voss, Robert H.; Ward, Earl M.; and Spetz, William L., to Mosler Safe Company, The. Off-line cash dispenser and banking system. 3,845,277, 10-29-74, Cl. 235-61.70b.
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Voss, Wendell G., to Leco Corporation. Porous tundish nozzle. 3,838,798, 10-1-74, Cl. 222-148.000.
Voss, Wilhelm, to Demag Aktiengesellschaft. Oscillating wall arrangement for a continuous casting mold. 3,794,105, 2-26-74, Cl. 164-260.000.
Vossen, George Manfred. Method and device for breaking away prestamped pieces of material in sheet-like. 3,784,070, 1-8-74, Cl. 225-1.000.
Vossen, John Louis, to RCA Corporation. Method of coating the interior walls of through-holes. 3,846,294, 11-5-74, Cl. 204-192.000.
Vossnacke, Juergen: *See—*
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Vosteen, Robert E.; and Werner, Alan J., Jr. Amplitude stabilized oscillator. 3,784,930, 1-8-74, Cl. 331-183.000.
Vosteen, Robert E. Speed servo for a permanent magnet direct current motor. 3,803,470, 4-9-74, Cl. 318-331.000.
Vosteen, Robert E.; and Werner, Alan L., Jr. Electrometer arrangement with amplitude stabilized oscillator drive means for detector element. 3,851,247, 11-26-74, Cl. 324-72.000.
Vosteen, Robert E. Transistorized operational amplifier. 3,851,270, 11-26-74, Cl. 330-30.00d.
Vostovich, Joseph Edward: *See—*
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Vourat, Guy: *See—*
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Vouthier, Marcel, to Etablissements Carpano & Pons S.A. Ski binding with regulated release. 3,822,891, 7-9-74, Cl. 280-11.55t.
Vovelle, Pierre G., to Thomson-CSF. Calendar indicator for time measuring systems. 3,815,351, 6-11-74, Cl. 58-4.00a.
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Vrablik, Edward A., to Dimensional Systems Inc. Auxiliary memory interface system. 3,818,459, 6-18-74, Cl. 340-172.500.
Vragov, Jury Dmitrievich; Danyaev, Vladimir Egorovich; Trubin, Anatoly Petrovich; and Sinichkin, Sergei Gavrilovich. Method of milling workpieces. 3,828,647, 8-13-74, Cl. 90-1.00c.
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Vrba, James J., to GTE Automatic Electric Laboratories Incorporated. Link accessing arrangement including square-wave clock generator. 3,832,496, 8-27-74, Cl. 179-18.00j.
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Vrijma, Berned, to Calsilox S.A. Method and apparatus for cutting plastic material. 3,805,655, 4-23-74, Cl. 83-425.300.
Vrisakis, George; and Machurat, Jean. Elastomers reinforced with siliceous fillers. 3,856,723, 12-24-74, Cl. 260-4.000.
Vroemen, Albert Joseph, to Gist-Brocades N.V. Preparation of a proteolytic enzyme. 3,855,064, 12-17-74, Cl. 195-65.000.
Vrolyk, John J.; and Sheeline, Randall D., to Rockwell International Corporation. Nitration. 3,822,251, 6-2-74, Cl. 260-239.0hm.
Vroom, David H. Mixing and dispensing apparatus having nozzle cleaner. 3,843,023, 10-22-74, Cl. 222-136.000.
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Vulcano, Vincent N., to Compu-Sort Systems, Inc. Apparatus for stripping covers from paperback books and the like. 3,808,931, 5-7-74, Cl. 83-409.000.
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Vuolevi, Heikki Arvid, to Polar Metal Plast. Motor sleigh drive track arrangement. 3,830,323, 8-20-74, Cl. 180-5.00r.
Vural, Gulertan, to Koehring GmbH-Bomag Division. Hydraulic exciter of vibrations for a vibratory compactor. 3,849,986, 11-26-74, Cl. 60-537.000.
Vurek, Gerald G., to United States of America, Health, Education and Welfare. Oximeter for monitoring oxygen saturation in blood. 3,799,672, 3-26-74, Cl. 356-41.000.
Vurlicer, Ginter, to Du Pont de Nemours, E. I., and Company. Stable refractory slurry composition. 3,852,085, 12-3-74, Cl. 106-193.00r.
Vutz, Norman; and Brown, Donald, to Westinghouse Air Brake Company. Fluid pressure system for converting digital signals to analog signals. 3,827,457, 8-6-74, Cl. 137-599.000.
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Vydrin, Vladimir Nikolaevich; Ageev, Leonid Matveevich; and Sosjurko, Vladimir Georgievich. Method of rolling metal sheet articles. 3,811,307, 5-21-74, Cl. 72-205.000.
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Wada, Yasuhiro; and Okabe, Katsuhiko, to Kabushiki Kaisha Koparu. Pushbutton channel selector for variable capacity diode tuner. 3,845,428, 10-29-74, Cl. 334-7.000.
Wada, Yasuo; and Watanabe, Nanao, to Koei Chemical Co., Ltd. Process for preparing 1-alkyl-1,8-naphthyridine compounds. 3,813,406, 5-28-74, Cl. 260-295.50b.
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Wagner, Karl; Rosenberg, Otto; and Hummel, Adam, to Agfa-Gevaert Aktiengesellschaft. Photographic apparatus for the making of exposures in artificial light. 3,783,757, 1-8-74, Cl. 95-10.0ce.
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Wagner, Richard F. Hip fixation device. 3,842,825, 10-22-74, Cl. 128-92.0bb.
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Wagner, William. Refrigerant charging means and method. 3,785,163, 1-15-74, Cl. 62-77.000.
Wagner, William. Air horn. 3,785,335, 1-15-74, Cl. 116-112.000.
Wagner, William, to Watsco, Inc. Dispensing valve. 3,820,564, 6-28-74, Cl. 137-612.100.
Wagner, William C. Apparatus for electrified spraying. 3,837,573, 9-24-74, Cl. 239-15.000.
Wagner, William E., to PPG Industries, Inc. Laminated electroconductive window. 3,833,451, 9-3-74, Cl. 161-45.000.
Wagner, William J. Test tube washer. 3,849,830, 11-26-74, Cl. 15-302.000.
Wagner, William T., to Dayco Corparation. Fountain divider. 3,831,517, 8-27-74, Cl. 101-208.000.
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Wagstaff, Robert A.; and Waldrop, Thomas W., to Sperry Rand Corporation. Power knife grinder for a forage harvester capable of grinding first and second bevels on the knives of the forage harvester cutterhead. 3,793,792, 2-26-74, Cl. 51-249.000.
Waguespack, Wilson J. Inhibition of end-to-end sloshing, longitudinal of the direction of movement, within confined bodies of liquid in transit. 3,795,204, 3-5-74, Cl. 105-358.000.
Wah Lo, Allen Kwok: *See*—
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Wahborg, Harold J., to Copolymer Rubber & Chemical Corporation. Asphaltic-plastomeric composition. 3,790,519, 2-5-74, Cl. 260-28.5as.
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Wahl, Eugene A. Vibratory bin activator. 3,853,247, 12-10-74, Cl. 222-199.000.
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Wahl, Josef; Moller, Heinz; Kammerer, Heinz; and Zechnall, Richard, to Bosch, Robert, GmbH. Ignition system for internal combustion engines. 3,815,560, 6-11-74, Cl. 123-117.00r.
Wahl, Josef; and Wessel, Wolf, to Bosch, Robert, G.m.b.H. Ignition timing control system for internal combustion engine ignition systems. 3,853,103, 12-10-74, Cl. 123-117.00r.
Wahl, Karl-Heinz, to Bosch, Robert, G.m.b.H. Digital electronic approximative function tracing method and apparatus. 3,821,524, 6-28-74, Cl. 235-151.000.
Wahl, Michael, to Supermarket Equipment Group, Inc. Shopping cart. 3,844,577, 10-29-74, Cl. 280-33.99r.
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Wahlberg, Eric C. Business transaction apparatus. 3,798,603, 3-19-74, Cl. 340-149.00a.
Wahlberg, Eric C. Apparatus for transacting business. 3,826,344, 7-30-74, Cl. 194-2.000.
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Wahle, Gunter: *See*—
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Wahle, Gunter, to Hauni-Werke Korber & Co. KG. Method and apparatus for feeding cigarettes or analogous articles to packing machines or the like. 3,854,611, 12-17-74, Cl. 214-302.000.
Wahle, Paul, KG: *See*—
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Wahlert, Franklyn G. Gate tightener. 3,799,595, 3-26-74, Cl. 292-246.000.
Wahlert, Stanely D., to Procter & Gamble Company, The. Method of segregating articles being conveyed. 3,856,665, 12-24-74, Cl. 209-73.000.
Wahlert, Stanley D., to Procter & Gamble Company, The. Article segregating apparatus. 3,804,240, 4-16-74, Cl. 209-73.000.
Wahlgren, Bjorn, to Farad AB. Apparatus for determining the coordinates of an object, moveable along at least one coordinate axis. 3,843,924, 10-22-74, Cl. 324-61.00r.
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Wahlig, James William. Prophylactic enclosure for clinical thermometers during use. 3,809,229, 5-7-74, Cl. 206-306.000.
Wahlmark, Gunnar A., to Wahlmark Systems, Inc. Constant velocity universal drive. 3,818,721, 6-25-74, Cl. 64-21.000.
Wahlmark, Gunnar A., to Wahlmark Systems, Inc. Rack and pinion power steering. 3,831,697, 8-27-74, Cl. 180-79.20r.
Wahlmark Systems, Inc.: *See*—
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Wahlqvist, Hans Sigvard, to Saab-Scania Aktiebolag. Method for forming a canal when moulding a metal block. 3,805,874, 4-23-74, Cl. 164-132.000.
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Wahnish, M. Ervin. Automobile air conditioning system employing auxiliary prime mover. 3,844,130, 10-29-74, Cl. 62-133.000.

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Wahren, Janne Ragnvald Ejvin. System for interconnecting continuously operating conveyor paths. 3,845,853, 11-5-74, Cl. 198-78.000.
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Waibel, Helmut K., to Singer Company, The. Print station for a matrix printer. 3,837,461, 9-24-74, Cl. 197-126.000.
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Wain, John. Adjustable work piece holder. 3,831,324, 8-27-74, Cl. 51-237.00r.
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Waite, Langford Horace. Method and apparatus for cutting worm wheels. 3,826,173, 7-30-74, Cl. 90-4.000.
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Wakamatsu, Hachiro; Sato, Jiro; and Hamaoka, Tatsunori, to Ajinomoto Co., Inc. Process of producing acetic acid from methyl formate. 3,798,267, 3-19-74, Cl. 260-541.000.
Wakamatsu, Hachiro; and Shimomura, Koichi, to Ajinomoto Co., Inc. Process for producing methyl formate. 3,816,513, 6-11-74, Cl. 260-488.00k.
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Wakamatsu, Hisato; and Endo, Kunio, to Toyota Jidosha Kogyo Kabushiki Kaisha and Nippondenso Co., Ltd. Electric control apparatus for internal combustion engines. 3,809,029, 5-7-74, Cl. 123-32.0ea.
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Wake, John A.; and St. Andre, Arthur F., to Cincinnati Milacron-Heald Corporation. Machine tool utilizing a potentiometer for determining various positions. 3,857,079, 12-24-74, Cl. 318-663.000.

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Wakefield, Shirley L.; and Lambert, Vernon L., to Cincinnati Electronics Corporation, mesne. Formations of shallow P-N junctions in Pb Sn Te by direct diffusion. 3,821,040, 6-28-74, Cl. 148-189.000.

Wakeman, Alden H., to Crepaco, Inc. Ingredient dispersing apparatus. 3,831,906, 8-27-74, Cl. 259-6.000.

Wakeman, Alfred W.; and Manierre, Robert L., to Audio Devices, Inc. Endless tape cartridge. 3,788,574, 1-29-74, Cl. 242-55.19a.

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Walberg, Arvid C., to Graco, Inc., mesne. Method for preventing arcing in an electrostatic coating system. 3,795,839, 3-5-74, Cl. 317-3.000.

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Walbrohl, Heinz-Theo. Shiftable support for use in tunnels, mines and the like. 3,812,680, 5-28-74, Cl. 61-45.000.

Walbrohl, Heinz-Theo. Form for producing a concrete lining of mine galleries tunnels, shafts or the like. 3,827,244, 8-6-74, Cl. 61-84.000.

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Wald, Milton M., to Shell Oil Company. Hydrocracking petroleum and related materials. 3,824,178, 7-16-74, Cl. 208-108.000.

Wald, Roland: *See—*
Schoenauer, Wolfgang; and Wald, Roland, 3,825,564.

Waldbauer, Henry L., Jr.; Jones, Wylie T.; and Flippo, Edward J., Jr. Device for withdrawing or adding fluids to hypodermic syringes. 3,833,030, 9-3-74, Cl. 141-26.000.

Waldbillig, Charles C.: *See—*
Tobin, Ronald B.; and Waldbillig, Charles C., 3,792,699.

Waldbillig, Charles C., to Medix, Inc. Stop cock. 3,783,900, 1-8-74, Cl. 137-625.470.

Waldeck, Franz: *See—*
Konz, Wilhelm; and Waldeck, Franz, 3,818,091.

Waldeck, Thomas A. Gas generator fire alarm. 3,785,334, 1-15-74, Cl. 116-106.000.

Waldeisen, Robert B. Dry charge hypodermic projectile. 3,837,284, 9-24-74, Cl. 102-92.000.

Walden, Barrie B., to United States of America, Navy. Underwater torpedo recovery device. 3,804,453, 4-16-74, Cl. 294-110.00r.

Walden, Gerald M.: *See—*
Getz, Marvin G.; Whitehurst, Gerald E.; and Walden, Gerald M., 3,851,727.

Walden, John P.: *See—*
Kornrumpf, William P.; Walden, John P.; and Walker, Loren H., 3,821,630.

Walden, John P., to General Electric Company. Extended output power control of inverter. 3,842,338, 10-15-74, Cl. 321-43.000.

Walden, Noel Harry Fred: *See—*
Knight, Lindsay Charles; Finch, Colin Maxwell; Walden, Noel Harry Fred; and Racz, George, 3,788,748.

Walden, Rex Keith; Tompkins, Arthur Henry; and Ross, Harold Abraham, to Ross Bros. (London) Limited. Containers. 3,831,744, 8-27-74, Cl. 206-386.000.

Walden, Robert Henry: *See—*
Krambeck, Robert Harold; and Walden, Robert Henry, 3,789,267.

Walden, Robert Henry, to Bell Telephone Laboratories, Incorporated. Buried channel charge coupled apparatus. 3,852,799, 12-3-74, Cl. 357-23.000.

Walden, Stephen William: *See—*
Krumreich, Charles Louis; Mulbarger, Albert Eugene, Jr.; and Walden, Stephen William, 3,850,497.

Waldenmeier, Gunter: *See—*
Hempelmann, Wilhelm; Waldenmeier, Gunter; and Kienhofer, Manfred, 3,790,128.

Waldenville, David B., to Waste-Treat, Inc. Composting apparatus. 3,845,939, 11-5-74, Cl. 259-10.000.

Waldes Kohinoor, Inc.: *See—*
Doran, E. James; and Berliner, Wallace H., 3,783,638.
Erdmann, Hans, 3,785,037.
Erdmann, Hans, 3,827,598.

Waldhauser, Steven J.A.: *See—*
Krier, Keith N.; Brown, Neil F.; and Waldhauser, Steven J.A., 3,824,645.

Waldis, Josef: *See—*
Bratoljic, Tihomir; Waldis, Josef; and Zimmermann, Max, 3,785,923.

Waldkirch, Richard B., to Du Pont de Nemours, E. I., and Company. Jet application of textile finish to moving threadlines. 3,783,596, 1-8-74, Cl. 57-157.00f.

Waldman, Herbert H., to Electrospace Corporation. Coding means for telephone answering device. 3,825,687, 7-23-74, Cl. 179-6.000.

Waldman, Jeffrey; Sulinski, Harry V.; and Markus, Harold, to United States of America, Army. Processes for the fabrication of 7000 series aluminum alloys. 3,847,681, 11-12-74, Cl. 148-11.50a.

Waldman, Jerry: *See—*
Schlossberg, Howard R.; Fetterman, Harold R.; and Waldman, Jerry, 3,835,416.

Waldmann, Helmut; Schwerdtel, Wulf; and Swodenk, Wolfgang, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of percarboxylic acids. 3,845,112, 10-29-74, Cl. 260-502.00r.

Waldmann, Hermann: *See—*
Tappeiner, Hermann; Waldmann, Hermann; and Bayer, Karl-Heinz, 3,820,003.

Waldmann, Hermann, to Siemens Aktiengesellschaft. Voltage controller for synchronous electric machines. 3,855,519, 12-17-74, Cl. 322-20.000.

Waldmann, Karl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Bunte salt derivatives of carbamic acid fluoroalkyl esters. 3,839,417, 10-1-74, Cl. 260-481.00c.

Waldmann, Wilhelm. Ceramic mantle ring with screw thread. 3,807,937, 4-30-74, Cl. 431-111.000.

Waldner, Gedaleia; and Alter, Israel Jacob, to Israel Atomic Energy Commission, The State of. Flame-retardant polymers. 3,835,103, 9-10-74, Cl. 260-80.600.

Waldner, Michael, to Hughes Aircraft Company. Nonlinear surface wave convolution filter. 3,794,939, 2-26-74, Cl. 333-72.000.

Waldo, Russell W.: *See—*
Budd, Garland D.; Colombo, Gregory R.; and Waldo, Russell W., 3,816,686.

Waldo, Russell W., to Ideal Security Hardware Corporation. Door latch construction. 3,843,177, 10-22-74, Cl. 292-254.000.

Waldon Devices, Inc.: *See—*
Greene, Henry E., Jr., 3,845,779.

Waldon, Vernon L., to Ingress Manufacturing Co., Inc. Concealed hinge. 3,790,969, 2-12-74, Cl. 4-236.000.

Waldon, Vernon L., to Ingress Manufacturing Co., Inc. Quick change hinge assembly. 3,802,000, 4-9-74, Cl. 4-236.000.

Waldon, Vernon L., to Ingress Manufacturing Co., Inc. Quick change hinge assembly. 3,820,175, 6-28-74, Cl. 4-236.000.

Waldorf, Alvin S. Seating construction. 3,844,613, 10-29-74, Cl. 297-452.000.

Waldorf Corporation: *See—*
Tull, Herbert G., III, 3,818,674.

Waldorf, Lindsey Earl. Hybrid electric vehicle drive. 3,792,327, 2-12-74, Cl. 318-139.000.

Waldovogel, Guy: *See—*
Furst, Andor; Furlenmeier, Andre; Langemann, Albert; Waldovogel, Guy; Hocks, Peter; Kerb, Ulrich; and Wiechert, Rudolf, 3,835,127.

Waldrip, Glen A.: *See—*
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Waldron, David W., to Lowndes Engineering Co., Inc. Tube and pipe cutting machine. 3,790,144, 2-5-74, Cl. 266-23.00e.

Waldron, Noel E. Convertible ladder. 3,785,455, 1-15-74, Cl. 182-22.000.

Waldron, Richard A.; and Stern, Ernest, said Stern assor. to Massachusetts Institute of Technology. Micro-acoustic waveguide. 3,789,327, 1-29-74, Cl. 333-30.00r.

Waldrop, Thomas E.; and Hawkins. Robert S., to Grace, W. R., & Co. Dripless vacuum nozzle. 3,834,118, 9-10-74, Cl. 53-79.000.

Waldrop, Thomas E.; and Hall, Stanley D., to Grace, W. R., & Co. Receptacle evacuation apparatus and method. 3,851,437, 12-3-74, Cl. 53-22.00b.

Waldrop, Thomas W.: *See—*
Wagstaff, Robert A.; and Waldrop, Thomas W., 3,793,792.

Waldrum, John E., to Amchem Products, Inc. Mist coating of strip material. 3,814,322, 6-4-74, Cl. 239-251.000.

Waldspurger, Edward C.: *See—*
Kelley, Jerry O.; and Waldspurger, Edward C., 3,840,897.

Waldspurger, Edward C., to Arvin Industries, Inc. Two-tube color television camera. 3,787,614, 1-22-74, Cl. 178-5.400.

Waldspurger, Edward C., to Nichols, William E. and Arvin Industries, Inc. Precision drive for video disc recorder using a free running or crystal controlled oscillator. 3,814,844, 6-4-74, Cl. 178-6.60p.

Waldstein, David A. Iodine and bromine adducts of 1,3,5-tri (β-hydroxy) ethylehaxahydro-s-triazine and the use thereof as a bactericide/fungicide. 3,840,661, 10-8-74, Cl. 424-249.000.

Waldt, Leonard M.: *See—*
Earl, Roscoe T.; and Waldt, Leonard M., 3,798,334.

Waldvogel, Erwin: *See—*
Bourquin, Jean-Pierre; Schwarb, Gustav; and Waldvogel, Erwin, 3,853,915.

Walenta, Gottfried. Welded chain link and chain. 3,796,246, 3-12-74, Cl. 152-231.000.

Walenta, Ivan Earl, to Burroughs Corporation. MFM readout with asymmetrical data window. 3,794,987, 2-26-74, Cl. 360-43.000.

Wales, Michael: *See—*
Davison, Sol; and Wales, Michael, 3,792,124.

Wales, Roger O., to Torit Corporation, The. Method and apparatus for cleaning tube type fabric filters. 3,816,979, 6-18-74, Cl. 55-96.000.

Walford, Gordon L.: *See—*
Beattie, Thomas R.; Rayle, William V.; Shen, Tsung-Ying; Walford, Gordon L.; and Walton, Edward, 3,828,021.
Shen, Tsung-Ying; Witzel, Bruce E.; and Walford, Gordon L., 3,787,570.
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Walgenbach, David D.: *See—*
Kensler, Daniel L., Jr.; and Walgenbach, David D., 3,836,655.

Walhelm, Ragnar Ilmari Olof: *See—*
Back, Karl Johan; and Walhelm, Ragnar Ilmari Olof, 3,811,482.

Waling, Edwin J.: *See—*
Waling, Thomas A.; and Waling, Edwin J., 3,818,731.

Waling, Thomas A.; and Waling, Edwin J., to Waling Tool Company. Nut lock. 3,818,731, 6-25-74, Cl. 70-232.000.

Waling Tool Company: *See—*
Waling, Thomas A.; and Waling, Edwin J., 3,818,731.

Walk, Georg, to Monfarts, A. Single-spindle rotary machine tool. 3,803,955, 4-16-74, Cl. 82-2.500.

Walk, Howard J.; Pietsch, Ervin I.; and Smith, Garth R., to ACF Industries, Incorporated. Rail-rubber mine car. 3,822,649, 7-9-74, Cl. 105-215.00c.

Walker, Alan H.: *See—*
Mammino, Joseph; Jossel, Franklin; Kobey, James M.; Serio, John P.; Solodar, Warren E.; and Walker, Alan H., 3,804,619.

Walker, Alan John. Filters. 3,833,123, 9-3-74, Cl. 210-241.000.

Walker, Alexander; and Williams, Michael Roger Lloyd, to British Nuclear Design & Construction Limited. Multiple standpipe-controlled core holddown mechansim for fluid-cooled nuclear reactors. 3,801,442, 4-2-74, Cl. 176-29.000.

Walker Bank and Trust Company, administrator with will annexed of the estate of said Brimhall, (deceased): *See—*
Brimhall, Ray S., 3,797,882.

Walker, Bernard F.; and Kusterer, James E., Jr., to Council on Library Resources, Inc., mesne. Process for deacidifying a book which has a pyroxylin-containing cover. 3,837,804, 9-24-74, Cl. 21-58.000.

Walker, Brian F.: *See—*
Miles-Luscombe, William L. R.; Jones, Robert D.; and Walker, Brian F., 3,844,427.

Walker, Brian Stanley, to National Research Development Corporation. Sequential machines. 3,808,544, 4-30-74, Cl. 328-75.000.

Walker, Brooks. Pressure fuel tank evaporation control. 3,854,911, 12-17-74, Cl. 55-387.000.

Walker, Calvin Brooks, to Du Pont de Nemours, E. I., and Company. Spinneret wiper. 3,804,569, 4-16-74, Cl. 425-225.000.

Walker, Carl A.: *See—*
Bolger, John G., Jr.; and Walker, Carl A., 3,795,402.

Walker, Carl Ray. Beverage-can closure. 3,805,989, 4-23-74, Cl. 220-25.000.

Walker, Charles E.: *See—*
Finley, John W.; Hautala, Earl; and Walker, Charles E., 3,828,017.

Walker, Charles F. Writing facilitating glove. 3,787,898, 1-29-74, Cl. 2-163.000.

Walker, Charles W. E. Microwave window and antenna apparatus for moisture measurement of fluidized material. 3,818,333, 6-18-74, Cl. 324-58.50a.

Walker, Clarence L., to Sherwood Medical Industries Inc. Urinary drainage collecting device. 3,800,795, 4-2-74, Cl. 128-275.000.

Walker, Clarence O., to Texaco Inc. Process for separating bitumen from tar sand recovered from deposits by mining. 3,846,276, 11-5-74, Cl. 208-11.000.

Walker Crosweller & Company Limited: *See—*
Arbon, Dennis Charles, 3,823,740.

Walker, Dale E., to Peabody Gordon-Piatt, Inc. Combination, oil, gas and/or solid burner. 3,827,851, 8-6-74, Cl. 431-175.000.

Walker, Darrell W.: *See—*
Bertus, Brent J.; and Walker, Darrell W., 3,793,225.
Bertus, Brent J.; and Walker, Darrell W., 3,856,879.

Walker, Darrell W., to Phillips Petroleum Company. Oxidative dehydrogenation catalysts. 3,789,017, 1-29-74, Cl. 252-437.000.

Walker, Darrell W., to Phillips Petroleum Company. Oxidative dehydrogenation catalyst. 3,790,500, 2-5-74, Cl. 252-437.000.

Walker, Darrell W., to Phillips Petroleum Company. Oxidative dehydrogenation catalyst. 3,790,501, 2-5-74, Cl. 252-437.000.

Walker, Darrell W., to Phillips Petroleum Company. Processes for the dehydrogenation of organic feedstocks. 3,792,103, 2-12-74, Cl. 260-680.00e.

Walker, Darrell W., to Phillips Petroleum Company. Processes for the oxidative dehydrogenation of hydrocarbons. 3,830,868, 8-20-74, Cl. 260-680.00e.

Walker, Darrell W.; Bertus, Brent J.; and Farha, Floyd, Jr., to Phillips Petroleum Company. Processes for dehydrogenation of hydrocarbons. 3,852,369, 12-3-74, Cl. 260-689.00e.

Walker, David D.: *See—*
Benjamin, Milton L.; Walker, David D.; and Miles, Wilbur N., 3,788,658.

Walker, David E., to United States of America, Atomic Energy Commission. Ceramic brazing method. 3,839,779, 10-8-74, Cl. 29-472.900.

Walker, David G.; and Haase, Donald J., to Tenneco Chemicals, Inc. Process for the recovery of group 1-B metal halides from bimetallic salt complexes. 3,845,188, 10-29-74, Cl. 423-42.000.

Walker, David John; and Branlard, Paul, said Walker, David John, assor. to BP Chemicals International Limited and said Branlard, Paul, assor. to Distugil S.A. Polymer. 3,856,730, 12-24-74, Cl. 260-27.00r.

Walker, Dayton J.: *See—*
United States of America, National Aeronautics and Space Administration, 3,825,760.

Walker, Dean E.; and Young, Charles E., III, to Ventline, Inc. Mounting means for gas cylinders and the like. 3,805,988, 4-23-74, Cl. 220-15.000.

Walker, Dean Max: *See—*
Yost, Howard S.; Walker, Wesley Max; and Walker, Dean Max, 3,834,680.

Walker, Derek: *See—*
Bywood, Roy; Gallagher, Gerard; Sharma, Girijesh Kumar; and Walker, Derek, 3,830,801.

Walker, Derek William Ross. Apparatus for the automatic or semi-automatic removal of surplus material from the end portions of elongate workpieces of substantially circular cross-section. 3,851,991, 12-3-74, Cl. 408-37.000.

Walker, Donald F.: *See—*
Dalena, Rudolph; Onishi, Roy K.; and Walker, Donald F., 3,789,403.
Dalena, Rudolph; and Walker, Donald F., 3,792,304.

Walker, Eddie Bob, to Dow Chemical Company, The. Solid, curable polyepoxides modified with hydrolyzed liquid polyepoxides. 3,787,508, 1-22-74, Cl. 260-613.00r.

Walker, Edward, to Elbows Automatic Inc., mesne. Machine and method for forming tubular adjustable elbows. 3,815,394, 6-11-74, Cl. 72-55.000.

Walker, Edward Craven. Display device. 3,803,398, 4-9-74, Cl. 240-10.001.

Walker, Edward Hugh, to Bell Telephone Laboratories, Incorporated. Signal-to-noise ratio detector for automatic gain controlled receivers. 3,831,093, 8-20-74, Cl. 325-56.000.

Walker, Edward M.: *See—*
Toth, Julius; and Walker, Edward M., 3,816,171.

Walker, Emil C., to Zenith Radio Corporation. Apparatus for manufacturing a code-bearing ticket. 3,795,394, 3-5-74, Cl. 270-79.000.

Walker, Ernest L.: *See—*
Beausoleil, William F.; Keefe, George E.; and Walker, Ernest L., 3,858,189.

Walker, Eugene J.; and Maier, Alfred E., to Westinghouse Electric Corporation. Circuit breaker trip and latch mechanism. 3,810,051, 5-7-74, Cl. 335-167.000.

Walker, Eugene L.: *See—*
Walker, Eugene L.; Ferrandini, Antoine R.; Walker, Eugene L.; and Ferrandini, Antoine R., 3,852,486.

Walker, Eugene L.; Ferrandini, Antoine R.; Walker, Eugene L.; deceased (by Walker, Joan E.; administratrix); and Ferrandini, Antoine R.; deceased (by Ferrandini, Suzanne W.; executrix). Process of preserving shellfish meat, and product of said process. 3,82,486, 12-3-74, Cl. 426-129.000.

Walker, Evelyn J.: *See—*
Note, Thomas N., Jr.; and Walker, Evelyn J., 3,807,955.

Walker Forge, Inc.: *See—*
Andresen, Arne O., 3,783,673.

Walker, Francis Harry, to Stauffer Chemical Company. Pyridylmethylsulfinylcarbamates. 3,816,435, 6-11-74, Cl. 260-294.80f.

Walker, Francis Harry, to Stauffer Chemical Company. Certain pyridylmethylsulfinylcarbamates. 3,816,436, 6-11-74, Cl. 260-294.80f.

Walker, Frank A., Jr., to Controls Research Corporation. Manually operable keyboard switch assembly. 3,849,611, 11-19-74, Cl. 200-5.00a.

Walker, Frank E. Plait, braid, cornroe and cornroll pik. 3,840,031, 10-8-74, Cl. 132-11.00r.

Walker, Frank H., to General Motors Corporation. Coaxial fluid lines with plug-in connector assemblies. 3,841,671, 10-15-74, Cl. 285-133.00r.

Walker, Gary J.: *See—*
Davis, Martin F.; Schwanauer, Francis J.; and Walker, Gary J., 3,831,195.

Walker, George E., Jr.; and Hemphill, Dean P., to Shell Oil Company. Well capping device. 3,820,601, 6-28-74, Cl. 166-55.000.

Walker, Gordon Northrop, to Ciba-Geigy Corporation. Dibenzocycloheptenes. 3,812,119, 5-21-74, Cl. 260-247.000.

Walker, Harold G.: *See—*
Boone, James A.; Walker, Harold G.; and Huffman, Galen R., 3,845,825.

Walker, Harold L. Turbine engine. 3,783,614, 1-8-74, Cl. 60-39.18r.

Walker, Helen H. Workpiece treatment machine with discharge means. 3,815,287, 6-11-74, Cl. 51-13.000.

Walker, Ivan D.: *See—*
Johnston, Daniel H.; Mannheimer, Rudy; Rinkleib, Helfried O.; Walker, Ivan D.; and Kellner, John R., 3,825,208.

Walker, James Donald, to Chicago Bridge & Iron Company. Dissolving low pressure gas efficiently. 3,806,452, 4-23-74, Cl. 210-59.000.

Walker, James H., to Chevron Research Company. Process for alkyl orthosilicate. 3,801,618, 4-2-74, Cl. 260-448.80a.

Walker, James L.; and Sawyer, Thomas F., to General Electric Company. Method for producing directionally solidified nickel base alloy. 3,783,032, 1-1-74, Cl. 148-3.000.

Walker, James T.: *See—*
Seidler, Helmut G.; and Walker, James T., 3,852,644.

Walker, James V.: *See—*
Boehringer, Wilfred E.; and Walker, James V., 3,854,780.

Walker, Jeremiah. Wall hanging speaker system. 3,848,090, 11-12-74, Cl. 179-1.00e.

Walker, Jerome F.: *See—*
Russell, Jack A.; Walker, Jerome F.; and Hardenbrook, James M., 3,815,909.

Walker, Jerry Wayne, to Cyclone Seeder Company, Inc., The. Distributor securable to a vehicle for the purpose of spreading salt, sand or similar particulate material. 3,819,120, 6-25-74, Cl. 239-661.000.

Walker, Joan E.: *See—*
Walker, Eugene L.; Ferrandini, Antoine R.; Walker, Eugene L.; and Ferrandini, Antoine R., 3,852,486.

Walker, John Elwyn: *See—*
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Walker, John W. Dual contraceptive device. 3,840,005, 10-8-74, Cl. 128-130.000.

Walker, Kurt, Dr.: *See—*
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Walker, Loren H.: *See—*
Kornrumpf, William P.; Walden, John P.; and Walker, Loren H., 3,821,630.
Park, John N.; Steigerwald, Robert L.; and Walker, Loren H., 3,851,240.

Walker, Lynn P.: *See—*
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Walker, Paul J. Submersible transport apparatus. 3,832,965, 9-3-74, Cl. 114-16.00r.

Walker, Peter: *See—*
Gervay, Joseph Edmund; and Walker, Peter, 3,787,213.

Walker, Peter Albert; and Humpoletz, Justus Ernest, to International Computers Limited. Deposited strip heads. 3,789,158, 1-29-74, Cl. 179-100.20c.

Walker, Peter Albert; and Scarrott, Gordon George, to International Computers Limited. Multiedge lapping. 3,832,806, 9-3-74, Cl. 51-71.000.

Walker, Peter, Jr., to Electro-Craft Corporation. Variable speed motor. 3,809,983, 5-7-74, Cl. 318-340.000.

Walker, Peter S., to New York Society for the Relief of the Ruptured and Crippled. Knee prosthesis. 3,837,009, 9-24-74, Cl. 3-1.000.

Walker, Ra W., to Horizons Incorporated. Latent image recording method and electric recording apparatus. 3,786,515, 1-15-74, Cl. 346-74.00e.

Walker, Raymond Andre, to Stang Hydronics Inc. Vehicle gate mechanism. 3,854,243, 12-17-74, Cl. 49-131.000.

Walker, Raymond Andre, to Stang Hydronics Inc. Damper and spring-bias mechanism for vehicle gates. 3,854,244, 12-17-74, Cl. 49-131.000.

Walker, Richard A.; and Weisner, Ralph M., to Kollmorgen Corporation. Photometric device with a plurality of measuring fields. 3,813,172, 5-28-74, Cl. 356-225.000.

Walker, Richard A.; and Maloy, Robert W., to Killmorgen Corporation. Automatic direct-reading photometer apparatus and method. 3,818,198, 6-18-74, Cl. 235-151.300.

Walker, Richard John: *See—*
Foster, John; and Walker, Richard John, 3,825,518.

Walker, Robert, to Robert Manufacturing Company. Hinge structure. 3,805,327, 4-23-74, Cl. 16-159.000.

Walker, Robert; and Harris, William, to Columbia Broadcasting System Inc. Banding correction system for film recording apparatus. 3,809,806, 5-7-74, Cl. 178-7.600.

Walker, Robert G.: *See—*
Hill, Donald E.; Payne, Stanley D.; and Walker, Robert G., 3,828,830.

Walker, Robert L.: *See—*
Strimple, Robert A.; McCall, George L.; and Walker, Robert L., 3,845,706.

Walker, Robert Winn, to Rohm & Haas Company. Process of purifying aldehydes. 3,847,995, 11-12-74, Cl. 260-601.00r.

Walker, Roger Daniel. Automatically varying power steering for motor vehicles. 3,819,003, 6-25-74, Cl. 190-79.20r.

Walker, Roland: *See—*
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Walker, Ronald W. Display device. 3,798,855, 3-26-74, Cl. 52-103.000.

Walker, Ross Weldon: *See—*
Dyer, Norman D.; Walker, Ross Weldon; and Arrington, Thomas Lonnie, 3,839,871.

Walker, Stephen Sidney: *See—*
Warman, Bloomfield James; Evans, John Ford; Walker, Stephen Sidney; Mc Pherson, John Hugh; and Sutton, Alan, 3,838,226.

Walker, Terence; and Dianetti, Joseph C., to American Optical Corporation. Ophthalmometer having alternative viewing and measuring systems and including an improved illumination system. 3,791,720, 2-12-74, Cl. 351-13.000.

Walker, Terence; and Dianetti, Joseph C., to American Optical Corporation. Illuminating system for contact lens ophthalmometer. 3,842,253, 10-15-74, Cl. 240-41.00r.

Walker, Thad O., to Texaco Inc. Additive for reducing gel strength in aqueous lime containing drilling fluids. 3,849,317, 11-19-74, Cl. 252-8.50a.

Walker, Theodore W.: *See—*
Brady, Francis E., Jr.; Holt, Corely Leroy; and Walker, Theodore W., 3,805,820.

Walker Vacuum Services Ltd.: *See—*
Wurster, Wilfred A., 3,842,461.

Walker, Walter P.; Cobb, Douglas R.; and Cofer, Frank H., Jr., to Audichron Company, The. Multichannel access switching system. 3,809,810, 5-7-74, Cl. 179-1.00b.

Walker, Wellington E.: *See—*
Pruett, Roy L.; and Walker, Wellington E., 3,833,634.

Walker, Wesley Max: *See—*
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Walker, William A.: *See—*
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Walker, William D.: *See—*
Campbell, Mahlon E.; and Walker, William D., 3,844,953.

Walker, William Frank: *See—*
White, Raymond Charles; and Walker, William Frank, 3,803,655.

Walket, Mercer Donald, to Adolph Kiefer/McNeil Corporation. Swinging baffle element for water turbulence suppression systems. 3,786,521, 1-22-74, Cl. 4-172.150.

Walkley, Sherm: *See—*
Hunter, Roland L., 3,834,656.

Walkling, Peter: *See—*
Halasz, Istvan; Otto, Hans; Gutlich, Karl Friedrich; and Walkling, Peter, 3,820,660.

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Walkowa, Idea Wladimirowna: *See—*
Kashkina, Nadezhda Alexandrovna; Pormale, Milda Yanovna; Kalninch, Arvid Yanovich; Shusters, Yanis; Dambite, Guna Robertowna; Reinberg, Ipatiya Marcewna; Walkowa, Idea Wladimirowna; Tipaine, Wiya Aleksandrowna; Skutelis, Antons Petrowich; Yankowskis, Stanilaws Kazimirowich; and Olina, Inese Petrowna, 3,812,099.

Walkowitz, Walter: *See—*
Williams, Maryon J., Jr.; Walkowitz, Walter; Fich, Sylvan; Jaron, Dov; Kantrowitz, Adrian; and Molony, Donald A., 3,857,382.

Wall, David Thomas; and Burr, Neil Albert, to Lucas, Joseph, (Industries) Limited. Conductive ink composition containing Pd and Pb metal powders. 3,857,798, 12-31-74, Cl. 252-514.000.

Wall, Donald E.: *See—*
Ersek, Robert A.; Wall, Donald E.; and Garity, Michael C., 3,794,091.
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Wall, Ernst L.; and Niblack, Walter K., to Alpha Industries, Inc. Process for producing surface-oriented semiconducting device. 3,800,412, 4-2-74, Cl. 29-578.000.

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Wall, Harry W.; and Wall, Eugene W., to Wall Machine Works. Method of making router bits. 3,848,483, 11-19-74, Cl. 76-101.00a.

Wall, Joel; and Duggan, Jeremiah J., to American Optical Corporation. Adaptive demand pacer. 3,807,410, 4-30-74, Cl. 128-419.00p.

Wall, John Shiel Clements: *See—*
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Wall, Leo A.; and Brown, Daniel W., to United States of America, Army. Highly fluorinated polymeric material. 3,804,817, 4-16-74, Cl. 260-87.50a.

Wall, Leo A.; deceased (by Wall, Leola Grace; administratrix); Brown, Daniel W.; and Florin, Roland E., to United States of America, Army. Process for crosslinking fluorocarbon polymers. 3,853,828, 12-10-74, Cl. 260-87.50a.

Wall, Leola Grace: *See—*
Wall, Leo A.; Brown, Daniel W.; and Florin, Roland E., 3,853,828.

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Wall, Michael Richard: *See—*
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Wall, Reginald V., to Plessey Handel und Investments A.G. Systems for monitoring mains electrical power supplies. 3,806,805, 4-23-74, Cl. 325-31.000.

Wall, Robert G.: *See—*
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Wall, Willie E.: *See—*
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Wallace Business Forms, Inc.: *See—*
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MacKenzie, Burton Thornley, Jr.; and Wallace, Charles Frank, Jr., 3,795,646.

Wallace, Charles H., to International Telephone and Telegraph Corporation. Processing hogs. 3,814,814, 6-4-74, Cl. 426-2.000.

Wallace, David J.: *See—*
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Bell, Richard A.; Wallace, Earl C.; and Winters, Ted W., 3,856,347.

Wallace, Earl C.; and Bell, Richard A., to General Engineering & Manufacturing Corporation. Locking mechanism. 3,805,326, 4-23-74, Cl. 16-146.000.

Wallace Expanding Machines, Inc.: *See—*
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Wallace, Frank E.; and Deramo, Anthony D., to Westinghouse Electric Corporation. Process operation error monitor and error message system. 3,795,916, 3-5-74, Cl. 444-1.000.

Wallace, Gary Leonard: *See—*
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Marshall, Robert Howard; and Wallace, Gary Leonard, 3,820,428.
Marshall, Robert Howard; and Wallace, Gary Leonard, 3,824,885.

Wallace, Gary Leonard, to Chemetron Corporation. Method and apparatus for producing weight controlled groups of sliced food product. 3,823,821, 7-16-74, Cl. 209-74.000.

Wallace, Harry L., to Burroughs Corporation. Endorsing apparatus. 3,795,190, 3-5-74, Cl. 101-233.000.

Wallace, Harry L., to Burroughs Corporation. Endorsing apparatus. 3,815,497, 6-11-74, Cl. 101-232.000.

Wallace, Henry W. Heat pump. 3,823,570, 7-16-74, Cl. 62-56.000.

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Wallace, Joseph E., to Vanmark Corporation. Separating apparatus with combined auger and rotating disc for discharging. 3,792,772, 2-19-74, Cl. 209-173.000.

Wallace, Joseph E., to Vanmark Corporation. Discharge rollers for a hopper bottom. 3,799,405, 3-26-74, Cl. 222-238.000.

Wallace, Joseph M.; and Streat, Emmett B., to Capeletti Bros., Inc. Removable caps for crusher hammer assembly. 3,838,826, 10-1-74, Cl. 241-197.000.

Wallace, Joseph W., to Reynolds Metals Company. Apparatus for and method of drawing a cup-shaped article. 3,817,076, 6-18-74, Cl. 72-351.000.

Wallace, Keith: *See—*
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Wallace, Kenneth Andrew, to North Electric Company. Bias transformer for dual voltage input off-line converters. 3,851,182, 11-26-74, Cl. 307-23.000.

Wallace, Lee J. Method and apparatus for removing water soluble wastes or salts from an aqueous solution. 3,833,044, 9-3-74, Cl. 159-8.000.

Wallace, Leonard J., to International Business Machines Corporation. Print hammer firing circuit. 3,833,870, 9-3-74, Cl. 335-268.000.

Wallace, Leonard J., to International Business Machines Corporation. Drift compensated document sensing system. 3,848,192, 11-12-74, Cl. 328-1.000.

Wallace, Leonard M., to Iowa State University Research Foundation, Inc. System for remote monitoring of tower lighting system. 3,828,334, 8-6-74, Cl. 340-251.000.

Wallace, Lindsay A.: *See—*
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Wallace, Paul F., to Aluminum Company of America. Sealing and desmudging anodized aluminum. 3,822,156, 7-2-74, Cl. 156-22.000.

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Wallace, Richard A. Fast activation reserve battery. 3,799,810, 3-26-74, Cl. 136-112.000.

Wallace, Richard A. Structural material and method. 3,846,366, 11-5-74, Cl. 260-37.0ep.

Wallace, Richard A. Electrogel apparatus for removing electrolytes and concentrating the same from an aqueous solution. 3,847,788, 11-12-74, Cl. 204-301.000.

Wallace, Richard C.; and Suggitt, Robert M., to Texaco Inc. Process for disproportionating hydrocarbons. 3,808,284, 4-30-74, Cl. 260-672.00t.

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Wallace, Robert S. Magnetic tape control arm. 3,856,235, 12-24-74, Cl. 242-199.000.

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Wallace, Virgil T. Steering linkage testing apparatus. 3,813,932, 6-4-74, Cl. 73-118.000.

Wallace, William D.: *See—*
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Wallace, William K., to Chicago Pneumatic Tool Company. Stall torque air shut-off control for pneumatic nut runners. 3,791,458, 2-12-74, Cl. 173-12.000.

Wallace, William K., to Chicago Pneumatic Tool Company. Stall torque air shut-off control for pneumatic nut runners. 3,850,553, 11-26-74, Cl. 418-43.000.

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Wallach, Mark. Surgical apparatus for removal of tissue. 3,818,913, 6-25-74, Cl. 128-305.000.

Wallack, Stanley, to Oceanetics, Inc. Gas detector unit. 3,832,548, 8-27-74, Cl. 250-343.000.

Wallard, John J. Egg boiler or cooker. 3,831,508, 8-27-74, Cl. 99-440.000.

Walldorf, Juan Belart, to ITT Industries, Inc. Master cylinder for a two-circuit brake system. 3,827,242, 8-6-74, Cl. 60-552.000.

Walled Lake Door Company: *See—*
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Wallen, Albert E.; Whitehead, Paul L., Sr.; and Cazel, Hugh A., to United States of America, Navy. Pressure control system. 3,803,544, 4-9-74, Cl. 340-8.0pc.

Wallenfang, Jerome A.; and Witt, Wilmer E., to Koehring Company. Cam plate adjustment for recutter screen of forage harvester. 3,829,030, 8-13-74, Cl. 241-89.100.

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Waller, David B.; and Forker, Raymond A. Ocean going integrated tug-barge connection system. 3,842,783, 10-22-74, Cl. 114-235.00r.

Waller, David P.: *See—*
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Waller, John G.: *See—*
Roberts, John T.; Waller, John G.; Harris, George E.; and Ovrick, Richard L., 3,832,258.

Waller, Norbert. Method and apparatus for producing a knitted fabric with projecting barbs. 3,845,640, 11-5-74, Cl. 66-91.000.

Waller, Norbert, to Gottlieb Binder Holzgerlingen. Method and apparatus for producing a knitted fabric with projecting barbs. 3,845,641, 11-5-74, Cl. 66-192.000.

Waller, Roy E. S.: *See—*
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Walles, Rodney A., to M & J Valve Company. Method and apparatus for calibrating and testing pressure responsive apparatus. 3,782,168, 1-1-74, Cl. 73-4.00r.

Walles, Sten, to AGA Aktiebolag. Optical device. 3,785,713, 1-15-74, Cl. 350-6.000.

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Walles, Wilhelm E., to Dow Chemical Company, The. Heat insulating container having plastic walls retaining vacuum. 3,828,960, 8-13-74, Cl. 215-13.00r.

Walles, Wilhelm E. Foldable rack for suspending cooking pans over a campfire. 3,834,371, 9-10-74, Cl. 126-30.000.

Walles, Wilhelm E., to Dow Chemical Company, The. N-halo-3-morpholinone. 3,850,920, 11-26-74, Cl. 260-247.70j.

Walles, Wilhelm E., to Dow Chemical Company, The. Vacuumized plastic cap for heat insulating containers. 3,856,172, 12-24-74, Cl. 215-364.000.

Walley, Joseph M., to General Electric Company. Electrical switch with removable driving means. 3,858,018, 12-31-74, Cl. 200-153.0la.

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Wallin, Helge Frithiof; and Malmquist, Leo, to U.S. Philips Corporation. Double unit microwave oven having an energy seal therebetween. 3,819,899, 6-25-74, Cl. 219-10.550.

Wallin, Kay Arne, to Sprinter Pack AB. Machine for erecting and gluing carton blanks. 3,854,385, 12-17-74, Cl. 93-36.0mm.

Wallin, Robert A.; Mull, John R.; and Smith, Don W., to Diamond Power Specialty Corporation. Roller nut-type control rod drive. 3,822,439, 7-9-74, Cl. 74-424.80r.

Wallin, Sven-Erik: *See—*
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Wallin, Walter R.; Lowery, Virgil W.; and Smith, Richard R., to United States of America, Atomic Energy Commission. Monitor for radiation-induced heating. 3,826,921, 7-30-74, Cl. 250-390.000.

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Wallington, Michael J., to Associated Electrical Industries Limited. Plural sample ion source. 3,849,656, 11-19-74, Cl. 250-424.000.

Wallis, Charles W., to American Chain & Cable Company, Inc. Vertical conveyor. 3,786,910, 1-22-74, Cl. 198-158.000.

Wallis, Craig; and Melnick, Joseph L., to Carborundum Company, The. Filtering method. 3,816,304, 6-11-74, Cl. 210-36.000.

Wallis, Craig; and Melnick, Joseph L., to Carborundum Company, The. Water purification means. 3,836,458, 9-17-74, Cl. 210-23.000.

Wallis, John Melvin: *See—*

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Wallis, Norman William Henry. Fire blanket pack. 3,828,856, 8-13-74, Cl. 169-50.000.

Walliser, Gerhard, to Daimler-Benz Aktiengesellschaft. Temperature feeler. 3,791,213, 2-12-74, Cl. 73-339.00a.

Walliser, Gerhard, to Daimler-Benz Aktiengesellschaft. Temperature sensing device. 3,805,614, 4-23-74, Cl. 73-339.00a.

Wallouch, Rudolph W., to Airco, Inc. High strength refractory concrete. 3,798,043, 3-19-74, Cl. 106-64.000.

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Walls, Leslie Percy, to Burroughs Wellcome Co. 1-Amidino-3-(cyanophenyl)-ureas. 3,784,582, 1-8-74, Cl. 260-465.00d.

Walls, Neville; and Jones, Peter Denzil, to MacMillan Bloedel Containers Limited. Method and apparatus for producing an expanded polymer material. 3,804,378, 4-16-74, Cl. 259-7.000.

Wallshein, Melvin. Elastic orthodontic band and method of forming the same. 3,803,715, 4-16-74, Cl. 32-14.00a.

Wallshein, Melvin. Orthodontic biassing device. 3,815,237, 6-11-74, Cl. 32-14.00a.

Wallshein, Melvin. Orthodontic end tube. 3,815,238, 6-11-74, Cl. 32-14.00d.

Wallshein, Melvin. Orthodontic coil and retaining device utilizing the same. 3,827,146, 8-6-74, Cl. 32-14.00e.

Wallshein, Melvin. Orthodontic biassing device. 3,832,778, 9-3-74, Cl. 32-14.00e.

Wallshein, Melvin. Orthodontic appliance. 3,835,539, 9-17-74, Cl. 32-14.00a.

Wallskog, Alan G., to Edelmann, E., & Co. Tester for pressure-vacuum gas caps. 3,807,219, 4-30-74, Cl. 73-40.000.

Wallskog, Alan G., to Edelmann, E., & Co. Locking gas cap. 3,813,904, 6-4-74, Cl. 70-169.000.

Wallstrom, Ray, to Fast Heat Element Manufacturing Co., Inc. Electric heater. 3,831,004, 8-20-74, Cl. 219-535.000.

Wally, Joseph H., Jr., to Filminiature Systems Inc. Photoreproduction apparatus. 3,837,742, 9-24-74, Cl. 355-54.000.

Wallyn, Rene, to Societe du Caoutchouc Technique. Latch assembly. 3,782,765, 1-1-74, Cl. 292-103.000.

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Walmet, Gunnar E.; Corman, James C.; and McLaughlin, Michael H., to General Electric Company. Heat sink cooled power semiconductor device assembly having liquid metal interface. 3,852,803, 12-3-74, Cl. 357-82.000.

Walmsley, Dennis, to United Kingdom Atomic Energy Authority. Membranes for reverse osmosis. 3,807,571, 4-30-74, Cl. 210-500.000.

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Walser, Melvin L., to Clark Equipment Company. Articulated tractor vehicle power steering and brake system having an emergency brake device. 3,802,746, 4-9-74, Cl. 303-10.000.

Walsh, Charles J.; and Barnhart, Morris W., to Edax International, Inc. Television display system. 3,812,288, 5-21-74, Cl. 178-6.800.

Walsh, David Joseph; and Kerr, Harry Sydney, to Kerr Instruments Limited. Pivotal surgical clip. 3,797,498, 3-19-74, Cl. 128-325.000.

Walsh, Francis J., to Erectoweld Company Limited. Side shifter units for forklift tricks. 3,819,078, 6-25-74, Cl. 214-730.000.

Walsh, Frederick Bartholomew. Children's or infants' furniture. 3,849,812, 11-26-74, Cl. 5-108.000.

Walsh, George Errington. Combined foot-rest and speed control unit for vehicles. 3,837,238, 9-24-74, Cl. 74-526.000.

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Walsh, George M., to Raytheon Company. Plural beam steering system. 3,824,531, 7-16-74, Cl. 340-3.00r.

Walsh, Harold L. Portable cutting device. 3,834,434, 9-10-74, Cl. 144-34.00e.

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Walsh, Myles A., to Eco-Control, Inc. Secondary cells and batteries. 3,816,177, 6-11-74, Cl. 136-24.000.

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Walsh, Richard David; and Baugher, James Edward, to AMF Incorporated. Bowling ball path indicator. 3,841,633, 10-15-74, Cl. 273-54.00d.

Walsh, Robert J., to Monsanto Company. Process for polishing thin elements. 3,841,031, 10-15-74, Cl. 51-283.000.

Walsh, Robert J., to Plough, Inc. Method of storing and retrieving information. 3,853,399, 12-10-74, Cl. 355-64.000.

Walsh, Robert J., to Monsanto Company. Apparatus for waxless polishing of thin wafers. 3,857,123, 12-31-74, Cl. 51-131.000.

Walsh, Robert L. Interaction railway track and vehicle stabilizing system. 3,817,186, 6-18-74, Cl. 104-243.000.

Walsh, Ronald A. Slidin door lock system. 3,821,884, 7-2-74, Cl. 70-95.000.

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Wanner, Rudolf, to Zevatron, GmbH. Automatic soldering machine. 3,828,419, 8-13-74, Cl. 29-503.000.

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Ward, Bruce K. Vehicle. 3,817,545, 6-18-74, Cl. 280-34.00r.

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Ward, Daniel. Music teaching device. 3,827,330, 8-6-74, Cl. 84-472.000.

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Ward, George C., to Southwire Company. Continuous casting apparatus employing an oval-ended pouring spout. 3,805,877, 4-23-74, Cl. 164-278.000.

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Ward, Harold R., to Eaton Corporation. Hydrostatic transmission and control system. 3,795,107, 3-5-74, Cl. 60-395.000.

Ward, Harold R.; and Hicks, Dewin D., to Eaton Corporation. Hydrostatic transmission control system. 3,800,535, 4-2-74, Cl. 60-427.000.

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Ward, John W., to Union Oil Company of California. Hydrogenative conversion processes and catalyst for use therein. 3,835,027, 9-10-74, Cl. 208-111.000.
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Ward, Wallace W. Apparatus for dispensing and mixing liquids. 3,790,029, 2-5-74, Cl. 222-129.400.
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Warncke, Ernst; and Haas, Hans, to Dragerwerk Aktiengesellschaft. Alarm for sensing a reduction of gas supply pressure for respirators. 3,785,333, 1-15-74, Cl. 116-70.000.
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Warren, Henry Ray, to RCA Corporation. Record web control and drive apparatus. 3,828,996, 8-13-74, Cl. 226-168.000.
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Warren, Thornton L. Adjustable pattern water sprinkler system. 3,791,585, 2-12-74, Cl. 239-256.000.
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Was, Wilfred L., to Ford Motor Company. Transmission fluid heat exchanger in a motor vehicle cooling system. 3,831,671, 8-27-74, Cl. 165-154.000.
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Watanabe, Rinzo; and Shimojima, Masatoshi, to Ponder & Best, Inc. Zoom lens. 3,784,285, 1-8-74, Cl. 350-187.000.

Watanabe, Rinzo; and Betensky, Ellis I., to Ponder & Best, Inc. Zoom lens having close-up focusing mode of operation. 3,817,600, 6-18-74, Cl. 350-186.000.

Watanabe, Sadakazu, to Tokyo Shibaura Electric Co., Ltd. Pattern treating apparatus. 3,805,239, 4-16-74, Cl. 340-146.3ma.

Watanabe, Satosh: *See—*
Sasaki, Rentaro; Watanabe, Akinori; Ogasawara, Tatsuo; Watanabe, Satosh; and Sogabe, Hideteshi, 3,784,864.

Watanabe, Satoshi: *See—*
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Watanabe, Seiichi, to Sony Corporation. Field effect transistor having back-to-back diodes connected to the gate electrode and having a protective layer between the source and the diodes to prevent thyristor action. 3,806,773, 4-23-74, Cl. 317-235.00r.

Watanabe, Seizaburo: *See—*
Tamura, Nobuhiro; Mitsui, Ryoichi; Watanabe, Seizaburo; and Kazuo, Suga, 3,857,921.

Watanabe, Seizo; Maeda, Minoru; and Yamaguchi, Masaru, to Hitachi Shipbuilding and Engineering Co., Ltd. Copper alloy for plastic-working molds. 3,830,644, 8-20-74, Cl. 75-153.000.

Watanabe, Shigeki: *See—*
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Watanabe, Shigenobu: *See—*
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Watanabe, Shosuke; deceased (by Watanabe, Naoko; sole successor) , to Nippon Steel Corporation. Jet engine blast fence. 3,797,787, 3-19-74, Cl. 244-114.00b.

Watanabe, Sizuhisa: *See—*
Iwasaki, Takasiro; Watanabe, Sizuhisa; and Tanigami, Takahiko, 3,803,569.

Watanabe, Susumu: *See—*
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Watanabe, Tadakiyo: *See—*
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Watanabe, Tadakiyo; Konishi, Hiromu; and Chiku, Ken-Ichi, to Toyota Jidosha Kogyo Kabushiki Kaisha. Bumper for vehicles. 3,797,872, 3-19-74, Cl. 293-30.000.

Watanabe, Tadashi: *See—*
Nagasawa, Taro; Ryoki, Taizo; Shinozaki, Takashi; Watanabe, Tadashi; and Kanayama, Mitsuru, 3,810,765.
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Watanabe, Tadashi; Murata, Kouichiro; and Tsubouchi, Kenjiro, to Kansai Paint Company, Limited. Polymerizable unsaturated reaction product of a diisocyanate and an unsaturated product of a dicarboxylic acid anhydride and an unsaturated monoglycidyl monomer 3,836,492, 9-17-74, Cl. 260-23.0tn.

Watanabe, Taizo: *See—*
Chibata, Ichiro; Kato, Jyoji; Watanabe, Taizo; and Uchida, Tomofumi, 3,808,100.

Watanabe, Takashi; and Yokoyama, Tatsuichi, to Tamagawa Kikai Kinzoku Kabushiki Kaisha. Device for controlled application of compacting forces in powder press. 3,802,818, 4-9-74, Cl. 425-78.000.

Watanabe, Takeo; and Lukuda, Takeo. Process for the manufacture of lattice work blocks. 3,802,045, 4-9-74, Cl. 29-155.00r.

Watanabe, Tamotsu, to Nippon Kogei Kogyo Co., Ltd. Ventilation method and apparatus with dust collection by electrostatic precipitator. 3,844,205, 10-29-74, Cl. 98-115.00r.

Watanabe, Tatsuo: *See—*
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Watanabe, Tatsuo. Foam plastic sheet forming process and foam plastic sheet with hair-like piles. 3,809,734, 5-7-74, Cl. 264-51.000.

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Watanabe, Teruji; Fukui, Takasuke; and Suzuki, Shizuo, to Kokusai Denshin Denwa Kabushiki Kaisha. Magnetic sensor using a parametrically excited second harmonic oscillator. 3,789,234, 1-29-74, Cl. 307-88.00p.

Watanabe, Teruji; and Ishihara, Hideo, to Kokusai Denshin Denwa Kabushiki Kaisha. A-D conversion system using magnetic bubbles. 3,803,591, 4-9-74, Cl. 340-347.0ad.

Watanabe, Teruji; Fukui, Takasuke; and Suzuki, Shizuo, to Kokusai Denshin Denwa Kabushiki Kaisha. Parametric magnetic sensor. 3,829,894, 8-13-74, Cl. 360-111.000.

Watanabe, Teruji; Fukui, Takasuke; Higurashi, Minoru; Sugisaki, Takao; and Ochiai, Tatsushiro, to Kokusai Denshin Denwa Co., Ltd. Non-linear flux detection device utilizing magnetic thin film. 3,854,086, 12-10-74, Cl. 324-43.00r.

Watanabe, Tetsuo: *See—*
Abe, Jinnosuke; Watanabe, Tetsuo; Yamaguchi, Tsutomu; Matsumoto, Kunio; and Fujii, Tadashiro, 3,821,081.
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Watanabe, Toshiaki; and Yuhara, Hideo, to Okuma Machinery Works Ltd. Automatic cutting-tip replacing apparatus. 3,793,708, 2-26-74, Cl. 29-568.000.

Watanabe, Toshiaki, to Okuma Machinery Works, Ltd. Method for monitoring machining condition of a machine tool. 3,819,916, 6-25-74, Cl. 235-151.110.

Watanabe, Toshiaki; and Yuhara, Hideo, to Okuma Machinery Works, Ltd. Method for monitoring machining condition of machine tool. 3,834,615, 9-10-74, Cl. 235-151.110.

Watanabe, Toshio: *See—*
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Watanabe, Toshiyuki: *See—*
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Watanabe, Tsuguo: *See—*
Kohno, Tadashi; and Watanabe, Tsuguo, 3,830,576.

Watanabe, Tsuneo; and Iwai, Akinori, to Babcock & Wilcox Limited. Pressure seal. 3,818,873, 6-25-74, Cl. 122-494.000.

Watanabe, Tuneyasu: *See—*
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Watanabe, Yoshiaki, to Canon Kabushiki Kaisha. Single lens reflex camera capable of open aperture photometry and aperture stop photometry. 3,785,266, 1-15-74, Cl. 95-64.00r.

Watanabe, Yoshiaki, to Kabushiki Kaisha Morita Seisakusho. System for controlling the rotational speed of a micromotor for use in medical instruments. 3,838,324, 9-24-74, Cl. 318-327.000.

Watanabe, Yoshiaki, to Kabushiki Kaisha Morita Seisakucho. Cartridge type brush holder. 3,851,197, 11-26-74, Cl. 310-40.0mm.

Watanabe, Yoshifumi: *See—*
Yaginuma, Hiroshi; Suzuki, Takashi; and Watanabe, Yoshifumi, 3,840,491.

Watanabe, Yoshihiro; Nishizawa, Toshio; and Kobayashi, Jiro, to Sumitomo Chemical Company, Ltd. Organic tin compound containing catalyst system useful for producing epoxy compounds. 3,806,467, 4-23-74, Cl. 252-429.00r.

Watanabe, Yoshihiro; Suzuki, Seiji; Tokumaru, Tooru; Yoshihara, Hiroshi; and Yamahara, Takeshi, to Sumitomo Chemical Company, Limited. Process for conducting a diels-alder reaction. 3,842,131, 10-15-74, Cl. 260-666.0py.

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Watanabe, Yoshimi, to Sony Corporation. Magnetic recording and/or reproducing apparatus with co-operative linking of two motors. 3,839,730, 10-1-74, Cl. 360-71.000.

Watanabe, Yoshinori: *See—*
Yada, Tatsuo; Komabayashi, Yoshibumi; and Watanabe, Yoshinori, 3,822,474.

Watanabe, Yoshinori, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle brake apparatus. 3,839,868, 10-8-74, Cl. 60-581.000.

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Watari, Yoshihiko; Inoue, Isao; and Kusano, Yuji, to Mitsubishi Denki Kabushiki Kaisha. Process of producing semiconductor devices. 3,807,038, 4-30-74, Cl. 29-578.000.

Watase, Fumio; Nakauchi, Shunsaku; Kodera, Seiichi; and Namikawa, Mamoru, to Tokyo Magnetic Printing Co., Ltd. Electric locking and unlocking apparatus. 3,822,396, 7-2-74, Cl. 317-134.000.

Watase, Fumio; Nakauchi, Shunsaku; Kodera, Seiichi; and Namikawa, Mamoru, to Tokyo Magnetic Printing Co., Ltd. Electric locking and unlocking apparatus. 3,845,361, 10-29-74, Cl. 317-134.000.

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Watatani, Yoshizumi; and Mohri, Katsuo, to Hitachi, Ltd. Voltage controlled oscillator. 3,815,052, 6-4-74, Cl. 331-117.00r.

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Water Purification Corporation of America: *See—*
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Water, Rae E. Vande; Sherwin, Owen W.; and Crissy, Charles F., to Aeroquip Corporation. Self-storing vehicle deck. 3,792,894, 2-19-74, Cl. 296-24.00r.

Water Research Association, The: *See—*
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Water Rite Inc., mesne: *See—*
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Water, William H., to Emhart Corporation. Base line stabilizing circuit for video inspection machine. 3,818,127, 6-18-74, Cl. 178-6.800.

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Waterhouse, George, to Scragg, Ernest, & Sons Limited. Apparatus for manufacturing filamentary and fibrous textile products from thermoplastic film. 3,801,252, 4-2-74, Cl. 425-304.000.

Waterhouse, George, to Scragg, Ernest & Sons Limited. Process of differentially crimping. 3,803,675, 4-16-74, Cl. 28-72.100.

Waterloo Foundry Co., Inc.: *See—*
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Waterman, Donald H., to Valley Engineering, Inc. Mounting assembly for attaching a material treating blade to a vehicle. 3,822,751, 7-9-74, Cl. 172-776.000.

Waterman, Fred W.; Katyll, Tadeusz; and Eldridge, Colin C., to Otter Tail Power Company, mesne. Railroad car construction. 3,831,792, 8-27-74, Cl. 214-421.00r.

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Watermann, Hans-Dieter, to Arn. Kiekert Sohne. Vehicle door latch. 3,799,594, 3-26-74, Cl. 292-213.000.

Watermann, Hans-Dieter; and Kleefeldt, Frank, to Arn. Kiekert Sohne. Motor vehicle door latch. 3,848,911, 11-19-74, Cl. 292-216.000.

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Waters, Barrett Bradford, to Hobart Corporation. Blades for food preparing machine. 3,856,220, 12-24-74, Cl. 241-282.100.

Waters, Carl, to Slater Paper Box, Inc. Article carrier. 3,840,171, 10-8-74, Cl. 229-28.00r.

Waters, Delman C.: *See—*
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Waters, Douglas S. J. Lockable safety door stop. 3,833,963, 9-10-74, Cl. 16-82.000.

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Waters, Elmer Dale, to McDonnell Douglas Corporation. Permafrost structural support with heat pipe stabilization. 3,788,389, 1-29-74, Cl. 165-45.000.

Waters, Elmer Dale. Heat pipe with pleated central wick and excess fluid reservoir. 3,822,743, 7-9-74, Cl. 165-105.000.

Waters, Elmer Dale, to McDonnell Douglas Corporation. Permafrost structural support with heat pipe stabilization. 3,840,068, 10-8-74, Cl. 165-45.000.

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Waters, Graham Thomas, to Imperial Chemical Industries, Limited. Core yarns and methods for their manufacture. 3,851,457, 12-3-74, Cl. 57-144.000.

Waters, James B., Jr. Music box. 3,783,730, 1-8-74, Cl. 84-94.000.

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Waters, John R., to Johnston, William H., Laboratories, Inc. Method and apparatus for renal dialysis monitoring. 3,822,201, 7-2-74, Cl. 210-22.000.
Waters, John R.; and Zwarun, Andrew A. Process for detection of biological activity. 3,854,041, 12-10-74, Cl. 250-303.000.
Waters, John R. Detection of biological activity. 3,858,045, 12-31-74, Cl. 250-303.000.
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Waters, Lyle E., to Peska, Lawrence, Associates, Inc. Non detachable pull top can. 3,847,300, 11-12-74, Cl. 220-269.000.
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Waters, Robert S., to Schick Incorporated. Device for dispensing heated fluent products. 3,823,851, 7-16-74, Cl. 222-146.0ha.
Waters, Robert S.; and Liedtke, Ronald R., to Sunbeam Corporation. Portable hair dryer. 3,831,000, 8-20-74, Cl. 219-368.000.
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Watis, Robert H. Traction device. 3,843,094, 10-22-74, Cl. 254-150.00r.
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Watkin, Theodore, to Watkin, Theodore, Friedman, Maurice W. and Friedman, Alfred S. Spring clip for folded garments and the like. 3,797,076, 3-19-74, Cl. 24-255.0gp.
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Watkins, Bernard. Fish hook releasing device. 3,811,217, 5-21-74, Cl. 43-44.820.
Watkins, Bruce J., to Regan Forge and Engineering Company. Coupling means for a riser string run from a floating vessel to a subsea well. 3,791,442, 2-12-74, Cl. 166-.500.
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Watkins, Fred E., to Camco, Incorporated. Pressurized chamber well safety valve. 3,782,461, 1-1-74, Cl. 166-72.000.
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Watkins, Fred E.; and Tausch, Gilbert H., to Camco Incorporated. Pressure controlled well conduit circulation system. 3,807,428, 4-30-74, Cl. 137-155.000.
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Watkins, Kenneth Ray, to United States Gypsum Company. Less dusty granular gypsum product and process. 3,820,970, 6-28-74, Cl. 71-1.000.
Watkins, Laurence Shrapnell, to Western Electric Company, Incorporated. Methods and apparatus for inspecting workpieces by spatial filtering subtraction. 3,787,117, 1-22-74, Cl. 353-20.000.
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Watkins, Lucius D. Packaging apparatus, method and product. 3,785,556, 1-15-74, Cl. 239-6.000.
Watkins, Norman, to International Business Machines Corporation. Manually actuated tape reel latch. 3,833,181, 9-3-74, Cl. 242-68.300.
Watkins, Robert A., to United States of America, Army, mesne. Missile guidance and control system. 3,820,742, 6-28-74, Cl. 244-3.110.
Watkins, Sidney C., to Avco Corporation. Flat air-blast fuel injector. 3,834,627, 9-10-74, Cl. 239-430.000.
Watkins, Thomas Iswel: *See*—
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Watkins, William H. Device to effectively eliminate the motion induced back EMF in a loudspeaker system in the region of fundamental acoustic resonance. 3,838,216, 9-24-74, Cl. 179-1.00a.
Watkins, William L., to Bloedel, MacMillan, Research Limited. Method for felting wafers in waferboard productions. 3,851,031, 11-26-74, Cl. 264-109.000.
Watkins, Willis T.; and Sankpill, Lester Alan, to Parmelee Industries, Inc. Hard hat crown support band attachment. 3,852,822, 12-10-74, Cl. 2-3.00b.
Watkins, Windell C., to Eastman Kodak Company. Stabilization of α,α-disubstituted-β-propiolactone. 3,824,257, 7-16-74, Cl. 260-343.900.
Watkins, Windell C., to Eastman Kodak Company. Catalytic process for the manufacture of unsaturated acids and esters. 3,855,279, 12-17-74, Cl. 260-486.00d.
Watkins-Johnson Company: *See*—
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Watkinson, John, to Union Carbide Corporation. Open-cell rigid polyether polyurethane foam. 3,793,237, 2-19-74, Cl. 260-2.5ah.
Watkinson, Leonard James: *See*—
Moore, Brian Joseph; and Watkinson, Leonard James, 3,791,828.
Watlow Electric Manufacturing Company: *See*—
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Watmough, Thomas; and O'Shea, Robert P., to United States of America, Air Force. Steel alloy. 3,785,804, 1-15-74, Cl. 75-126.00d.
Watmough, Thomas; and O'Shea, Robert P., to United States of America, Air Force. Steel alloy. 3,791,818, 2-12-74, Cl. 75-126.00e.
Watrous, Donald L., to General Electric Company. Current-sensing circuit for determining flashing of a photoflash lamp. 3,787,167, 1-22-74, Cl. 431-95.000.
Watrous, Donald L., to General Electric Company. Mounting arrangement for flexible circuit. 3,836,824, 9-17-74, Cl. 317-101.00f.
Watrous, Willis: *See*—
Kurtin, Stephen; Anthony, Michael; and Watrous, Willis, 3,790,886.
Watry Industries Inc.: *See*—
Watry, Nic J., 3,823,765.
Watry, Nic J., to Watry Industries Inc. Die casting machine. 3,823,765, 7-16-74, Cl. 164-303.000.
Watsco, Inc.: *See*—
Wagner, William, 3,820,564.
Watson, Aldren A. Method for binding a book. 3,802,723, 4-9-74, Cl. 281-27.000.
Watson, Barry Kenneth, to Marconi Company Limited, The. Waveguide filters. 3,851,282, 11-26-74, Cl. 333-73.00w.
Watson, Barry Kenneth, to Marconi Company Limited, The. Waveguide couplers. 3,852,689, 12-3-74, Cl. 333-10.000.
Watson, Billy Ray. Tubing anchors. 3,800,871, 4-2-74, Cl. 166-250.000.
Watson, Billy Ray. Apparatus for spotting fluid downhole in a borehole. 3,802,507, 4-9-74, Cl. 166-154.000.
Watson, Billy Ray. Packer device having a J-latch and seal means. 3,856,080, 12-24-74, Cl. 166-120.000.
Watson, Bruce Morgan: *See*—
Block, Jacob; and Watson, Bruce Morgan, 3,796,667.

Watson, Catherine R.: *See*—
Abolafia, Oscar R.; Lau, John A.; Lee, Franklin F. M.; and Watson, Catherine R., 3,795,047.
Watson, Charles Andrew: *See*—
Block, Max; and Watson, Charles Andrew, 3,842,167.
Watson, Christopher John Hamilton, to United Kingdom Atomic Energy Authority. Holophone information storing and/or processing device. 3,855,578, 12-17-74, Cl. 340-173.0nc.
Watson, Clyde W. Rack for attachment to the top of a vehicle. 3,826,390, 7-30-74, Cl. 214-450.000.
Watson, David D.: *See*—
Brown, Lloyd H.; and Watson, David D., 3,840,485.
Watson, Donald W.: *See*—
Polit, Neil A.; Snowdon, Donald R.; and Watson, Donald W., 3,788,921.
Watson, Donald W., to Xerox Corporation. Adhesive binding means for edge binding assembly pages together in book fashion. 3,847,718, 11-12-74, Cl. 161-39.000.
Watson, Douglas M. Six and eight row cultivator and planter frame. 3,799,272, 3-26-74, Cl. 172-126.000.
Watson, Fred D.; and Mohr, John L., to McDonnell Douglas Corporation. Means for synchronizing remotely positioned timing devices. 3,787,665, 1-22-74, Cl. 235-150.230.
Watson, Fred D.; and Mohr, John L., to McDonnell Douglas Corporation. Gain change control circuit for time synchronization. 3,813,526, 5-28-74, Cl. 235-150.230.
Watson, Frederick D.: *See*—
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Watson, Frederick D., to Petrolite Corporation. Three phase energized electrical treater. 3,794,578, 2-26-74, Cl. 204-305.000.
Watson, George. Multiple cylinder lock. 3,839,886, 10-8-74, Cl. 70-339.000.
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Rau, James E.; Van Wyk, Rogell; and Watson, George A., 3,805,089.
Watson, George A., to Celanese Corporation. Apparatus for making cross-lapped spread webs. 3,785,904, 1-15-74, Cl. 156-441.000.
Watson, George A., to Celanese Corporation. Semi-continuous filament combination yarn. 3,796,035, 3-12-74, Cl. 57-140.0by.
Watson, George A., to Rockwell International Corporation. Filtered duty cycle feedback analog to digital converter. 3,827,046, 7-30-74, Cl. 340-347.0ad.
Watson, George A.; and Griffith, Glen R., to Rockwell International Corporation. Fuel injection pulse width computer. 3,838,397, 9-24-74, Cl. 340-172.500.
Watson, George W. Cervical tissue cell specimen gathering device. 3,857,384, 12-31-7, Cl. 128-2.00b.
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Davis, Samuel R., Jr.; and Watson, Harry A., 3,829,350.
Watson, James J.: *See*—
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Watson, James M., to Cosden Oil & Chemical Company. Manufacture of dialkynyl aryl compounds. 3,830,861, 8-20-74, Cl. 260-668.00r.
Watson, James Power, to RCA Corporation. Hinged drum system. 3,813,678, 5-28-74, Cl. 346-138.000.
Watson, John H.; Nelson, Sidney P.; and Sawyer, Thomas E., to Imperial Plastics, Inc. Closure. 3,804,286, 4-16-74, Cl. 220-27.000.
Watson, John Merza, to Associated Electrical Industries Limited. Method and apparatus for charged particle spectroscopy. 3,783,280, 1-1-74, Cl. 250-305.000.
Watson, John Samuel; Watson, Richard John; and Watson, Robert Gordon. Trampoline frame. 3,831,936, 8-27-74, Cl. 272-65.000.
Watson, Kenneth, to Westland Aircraft Limited. Power transmission systems. 3,782,223, 1-1-74, Cl. 74-665.001.
Watson, Kenneth, to Westland Aircraft Limited. Liquid level indicators. 3,835,709, 9-17-74, Cl. 73-311.000.
Watson, M. J.; d/b/a: *See*—
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Watson, Richard E., to Dow Chemical Company, The. Thermostable polymeric vinylidene chloride compositions. 3,798,195, 3-19-74, Cl. 260-30.40r.
Watson, Richard John: *See*—
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Watson, Robert E.; and Pitts, Claude L., to Hoscot Limited. Cot frame movable between a prone position and an upright position. 3,784,991, 1-15-74, Cl. 5-136.000.
Watson, Robert F., Jr.: *See*—
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Watson, Robert F., Jr.; Labovitz, Carl; and Mulik, Peter R., to Westinghouse Electric Corporation. Waste treatment system. 3,831,758, 8-27-74, Cl. 210-199.000.
Watson, Robert Gordon: *See*—
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Brannen, William T.; and Watson, Roger W., 3,791,805.
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Watson, Stewart C.: *See*—
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Watson, Thomas A. W. K. Feed back systems for a rotary mechanical translating device. 3,803,945, 4-16-74, Cl. 74-675.000.
Watson, Thomas A. W. K. Torque sensing rotary mechanical translating device. 3,807,256, 4-30-74, Cl. 74-675.000.
Watson, Thomas W., 40% to Prince, Zodell W. Back lash removal tool. 3,844,185, 10-29-74, Cl. 81-3.00r.
Watson, William David; and Kobel, Erwin H., to Dow Chemical Company, The. Stabilized distillation of pentachlorophenol. 3,816,268, 6-11-74, Cl. 203-38.000.
Watson, William David, to Dow Chemical Company, The. Pentachlorophenol coated with a polyglycol. 3,850,678, 11-26-74, Cl. 117-100.00a.
Watson, William David; and Kobel, Erwin H., to Dow Chemical Company, The. Distillation of pentachlorophenol with salicylaldehyde and water. 3,852,160, 12-3-74, Cl. 203-6.000.
Watson, William J.; and Stephenson, Charles M., to Texas Instruments, Incorporated. Pipelined high speed arithmetic unit. 3,787,673, 1-22-74, Cl. 235-156.000.
Watson, William Stanley: *See*—
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Watt, Bob E., to United States of America, Atomic Energy Commission. Method of focusing a high-powered laser beam. 3,817,604, 6-18-74, Cl. 350-232.000.
Watt, Gordon James. Precision hole verification system. 3,782,171, 1-1-74, Cl. 73-37.900.
Watt, Gordon James. Wankel engine cylinder generating machine. 3,824,746, 7-23-74, Cl. 51-245.000.
Watt, Gordon James. Flexible membrane bearing. 3,827,766, 8-6-74, Cl. 308-9.000.
Watt, Ivan Falkland, to Anglo American Corporation of South Africa Limited. Decking device for mine cages and the like conveyances. 3,800,918, 4-3-74, Cl. 187-73.000.
Watt, J. Donald; and Molzahn, Herbert W., to International Harvester Company. Harvester platform suspension and linkage system. 3,783,594, 1-8-74, Cl. 56-15.800.
Watt, John R. Method for detecting and recording abnormal human eye responses. 3,782,364, 1-1-74, Cl. 128-2.00t.
Watt, Richard E., to Cubic Corporation. Asymmetrical wave digital phase measuring system. 3,820,022, 6-25-74, Cl. 324-83.00d.
Watt, Robert H. Lantern. 3,821,540, 6-28-74, Cl. 240-6.40r.
Watt, Roy E., to General Motors Corporation. Compressor superheat switch with bellows mounting ring. 3,809,835, 5-7-74, Cl. 200-83.00n.
Watt, William Doyle, Jr., to Keeler Brass Company. Composite drawer handle. 3,849,833, 11-26-74, Cl. 16-125.000.
Watt, William E. R., to Inpaco. Restricted thermo flow heat seal nest for containers. 3,817,816, 6-18-74, Cl. 156-583.000.
Watt, William R., to American Can Company. Photopolymerizable epoxy systems containing nitrile gelation inhibitors. 3,816,278, 6-11-74, Cl. 204-159.110.
Watt, William Russell, to American Can Company. Epoxide blend radiation sensitive catalyst precursor. 3,794,576, 2-26-74, Cl. 204-159.10f.
Watt, William Russell, to American Can Company. Photopolymerizable epoxy systems containing cyclic amide gelation inhibitors. 3,816,280, 6-11-74, Cl. 204-159.110.
Watterback, Paul Gunnar, to Arbman Development AB. Furnace, particulary for combustion of garbage and sewage sludge. 3,817,192, 6-18-74, Cl. 110-8.00c.
Watterback, Paul Gunnar, to Arbman Development AB. Torque-limiting gripping device for a screw means. 3,841,177, 10-15-74, Cl. 81-52.40r.
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Watton, John F.: *See—*
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Watts, Edwin B., to Sealy, Incorporated. Joint for attaching members and bed frame. 3,822,423, 7-9-74, Cl. 5-201.000.
Watts, George Timothy, to Goodyear Tire & Rubber Company, The. Pneumatic tire. 3,833,042, 9-3-74, Cl. 152-353.000.
Watts, Gerald Alfred, to Magnesium Elektron Limited. Wheel. 3,790,219, 2-5-74, Cl. 310-63.0dd.
Watts, Hargus, to Curtiss-Wright Corporation. Gas filter assembly. 3,815,342, 6-11-74, Cl. 55-493.000.
Watts, Harry; and Schreiber, Kurt, to Dow Chemical Company, The. Manufacture of dormant pellet seed. 3,803,761, 4-16-74, Cl. 47-57.600.
Watts, Horace, to H & D E Limited. Mixer taps. 3,794,074, 2-26-74, Cl. 137-625.400.
Watts, Ian, to General Engineering Co., (Radcliffe), Limited. Rotary vacuum pumps. 3,797,971, 3-19-74, Cl. 418-84.000.
Watts, Jack, to Welwyn Electric Limited. Strain measuring system. 3,847,017, 11-12-74, Cl. 73-88.50r.
Watts, Jess L.: *See—*
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Watts, Jess L.; and Link, James H. Antijackknifing device. 3,807,764, 4-30-74, Cl. 280-432.000.
Watts, Leonard, to Technicon Instruments Corporation. Method and apparatus for continuous castings. 3,814,166, 6-4-74, Cl. 164-73.000.
Watts, Leonard, to Technicon Instruments Corporation. Method and apparatus for continuously casting metals. 3,857,437, 12-31-74, Cl. 164-83.000.
Watts, Lewis William, Jr., to Jefferson Chemical Company, Inc. Ethers of polychlorinated benzonitriles. 3,798,255, 3-19-74, Cl. 260-465.00f.
Watts, Lewis William, Jr., to Jefferson Chemical Company, Inc. Preparation of halogenated dicyanobenzenes. 3,816,505, 6-11-74, Cl. 260-465.00g.
Watts, Lewis William, Jr.; Yeakey, Ernest Leon; and Moss, Philip Hotchkiss, to Jefferson Chemical Company, Inc. Preparation of halogenated benzonitrile. 3,855,264, 12-17-74, Cl. 260-465.00g.
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Watts, Paul J. Inverse umbrella tent. 3,794,054, 2-26-74, Cl. 135-2.000.
Watts, Ralph E., to Koppers Company, Inc. Refuse burner apparatus. 3,807,323, 4-30-74, Cl. 110-8.00r.
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Watts, William A., to Goodyear Tire & Rubber Company, The. PVC-hexachlorocyclopentadiene/cyclic olefin copolymer resin blends. 3,855,358, 12-17-74, Cl. 260-899.000.
Watzlawek, Karlheinz: *See—*
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Waugh, James Harry, Jr.; and Fenn, Darien S., to Texas Instruments Incorporated. Slice pre-aligner. 3,820,647, 6-28-74, Cl. 198-244.000.
Waugh, Jerry, to Mallory, P. R., & Co. Inc. Head cleaner for cassette tapes. 3,827,699, 8-6-74, Cl. 274-47.000.
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Waugh, Richard A.; and Mitchell, Thomas P., to General Electric Company. Treating agent dispenser. 3,805,562, 4-23-74, Cl. 68-17.00r.
Waugh, Richard A., to General Electric Company. Liquid diverter system for an automatic washing machine. 3,822,571, 7-9-74, Cl. 68-17.00r.
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Wauquier, Jean-Pierre; and Wiegandt, Herbert Friedrich, to Institut Francais du Petrole, des Carburants et Lubrifiants. Crystallization apparatus. 3,829,293, 8-13-74, Cl. 23-273.00r.
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Wawra, Carl Martin; and Chudey, Ivan, to Schenck, Carl, Maschinenfabrik GmbH. Signal transmittal control circuit. 3,783,396, 1-1-74, Cl. 328-151.000.
Wawra, Carl Martin; and Chudey, Ivan, to Schenck, Carl, Maschinenfabrik GmbH, Firma. Circuit arrangement for adjusting the position of a movable member. 3,800,589, 4-2-74, Cl. 73-90.000.
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Waxman, Burton Harvey; Shannahan, Robert Thomas; and Viro, Felix, to GAF Corporation. Photographic color process based on controlled flow of silver ions. 3,837,854, 9-24-74, Cl. 96-22.000.
Waxman, Burton Harvey; Shannahan, Robert Thomas; and Viro, Felix, to GAF Corporation. Instant access one-layer color photography with color screen containing color couplers. 3,843,370, 10-22-74, Cl. 96-77.000.
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Way, Allan S., to Beckman Instruments, Inc. Precision temperature controller. 3,814,957, 6-4-74, Cl. 307-310.000.
Way, David G. Log rolling adversary game device. 3,806,118, 4-23-74, Cl. 273-1.00r.
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Way, John A., to Wagner Electric Corporation. Photelectric control unit for snap action switch. 3,805,060, 4-16-74, Cl. 250-206.000.
Way, John L., to Bell & Howell Company. Write-bead checker. 3,801,968, 4-2-74, Cl. 360-40.000.
Way, John L., to Bell & Howell Company. Coded data enhancer, synchronizer, and parity remover systems. 3,820,083, 6-25-74, Cl. 340-172.500.
Way, Merton B.; and Pas, John. Highway safety tire device. 3,848,853, 11-19-74, Cl. 256-1.000.
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Waymouth, John F.; Koury, Frederic; and Gungle, Warren Calvin, to GTE Sylvania Incorporated. Heavily loaded metal halide discharge lamp. 3,832,587, 8-27-74, Cl. 313-184.000.
Waymouth, John F.; and Koury, Frederic, to Sylvania Electric Products, Inc. Electric discharge device containing thorium, mercury and iodine. 3,845,342, 10-29-74, Cl. 313-184.000.
Wayne, Alex, to Delavan Manufacturing Company. Nozzle. 3,793,690, 2-26-74, Cl. 29-157.00c.
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Wear, Robert L., to Minnesota Mining and Manufacturing Company. Aromatic polyether oxetane resins. 3,846,375, 11-5-74, Cl. 260-61.000.
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Weatherston, Roger C., to Calspan Corporation. Refrigerant handling apparatus employing roots type compressor. 3,808,835, 5-7-74, Cl. 72-510.000.
Weatherston, Roger C., to Calspan Corporation. Time-sharing compression system. 3,844,689, 10-29-74, Cl. 417-572.000.
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Weaver, Carnes W. Self contained drill ship. 3,802,209, 4-9-74, Cl. 61-72.300.
Weaver, Clarence W., to Allied Chemical Corporation. LPG high pressure mobile pumping unit. 3,796,518, 3-12-74, Cl. 417-244.000.
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Weaver, Donald R. Voltage converter. 3,833,821, 9-3-74, Cl. 307-150.000.
Weaver, Elmer A.; Hopkins, William J.; and Korn, Alfred H., to United States of America, Agriculture. Method and composition for preventing deterioration of hides from freshly slaughtered animals. 3,832,130, 8-27-74, Cl. 8-94.180.
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Weaver, Max A.; and Straley, James M., to Eastman Kodak Company. Thiadiazolyl-azo-phenyl or tetrahydroquinoline compounds. 3,790,557, 2-5-74, Cl. 260-158.000.

Weaver, Max A.; Pridgen, Herman S.; and Coates, Clarence A., Jr., to Eastman Kodak Company. Azo compounds for alkyl alpha-anilino toluates. 3,816,388, 6-11-74, Cl. 260-152.000.

Weaver, Max A., to Eastman Kodak Company. Benzothiazolyl-azo meta-acylamidoalkylene-aniline compounds. 3,816,390, 6-11-74, Cl. 260-158.000.

Weaver, Max A.; and Coates, Clarence A., Jr., to Eastman Kodak Company. Azo compounds containing a triazolylthio group. 3,816,392, 6-11-74, Cl. 260-157.000.

Weaver, Max A.; and Pridgen, Herman S., to Eastman Kodak Company. Azo compounds containing an imidoalkanoylamino group. 3,822,246, 7-2-74, Cl. 260-152.000.

Weaver, Max A.; and Coates, Clarence A., Jr., to Eastman Kodak Company. Phenylazo-N-heterothioalkylaniline compounds. 3,840,517, 10-8-74, Cl. 260-157.000.

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Weaver, Merle L.; Hautala, Earl; and Nonaka, Masahide, to United States of America, Agriculture. Process for preparing shaped potato products containing solely freshly cooked and mashed potato tissue. 3,812,274, 5-21-74, Cl. 426-438.000.

Weaver, Norman K. Convertible bolt action rifle. 3,791,060, 2-12-74, Cl. 42-16.000.

Weaver, Peter Brinkerhoff. Carrier for pneumatic tube systems. 3,825,210, 7-23-74, Cl. 243-34.000.

Weaver, Preston R., to UMC Electronics Company. Synchronous hysteresis motor. 3,825,780, 7-23-74, Cl. 310-74.000.

Weaver, Preston R., to UMC Electronics Company. Splice finder. 3,854,643, 12-17-74, Cl. 226-35.000.

Weaver, Richard L. Silo unloader and apparatus therefor. 3,817,409, 6-18-74, Cl. 214-17.0da.

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Webb, Eugene E.; and Kopelman, Leo G. Earth movement indicator. 3,786,503, 1-15-74, Cl. 340-421.000.

Webb, Frederick J.; and Tate, David P., to Firestone Tire & Rubber Company, The. Process for flocculating solid particles from an aqueous suspension thereof. 3,801,500, 4-2-74, Cl. 210-54.000.

Webb, Geoffrey A. M.; and Phykitt, Howard P., to Isotopes, Incorporated. Method and apparatus for treating thermoluminescent dosimeters during read-out to enable their immediate reuse. 3,790,784, 2-5-74, Cl. 250-362.000.

Webb, George, to Avco Corporation. Pressure operated indexing mechanism. 3,791,230, 2-12-74, Cl. 74-128.000.

Webb, George. Stored energy initiator type of fuze. 3,824,929, 7-23-74, Cl. 102-74.000.

Webb, George L., to Deltrol Corporation. Fast response soleinoid. 3,821,612, 6-28-74, Cl. 317-151.000.

Webb, George Toney, to International Business Machines Corporation. Position indication apparatus. 3,824,513, 7-16-74, Cl. 335-207.000.

Webb, George Wendell, to RCA Corporation. Niobium-gallium superconductor. 3,801,378, 4-2-74, Cl. 148-3.000.

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Webb, Joe A. Horse training apparatus. 3,824,961, 7-23-74, Cl. 119-29.000.

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Webb, Robert D., to Sigmatron, Inc., mesne. Electroluminescent display system and method of driving the same. 3,813,575, 5-28-74, Cl. 315-167.000.

Webb, Robert F.; and Roberts, John J., to General Electric Company. Two-step magnetron start circuit. 3,821,594, 6-28-74, Cl. 315-104.000.

Webb, Robert F., to General Electric Company. Portable microwave radiation sensing and measuring device. 3,828,251, 8-6-74, Cl. 324-72.000.

Webb, Robert Lee: *See—*
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Webb, Ronald W. Variable friction-resistance rope exercising device. 3,782,722, 1-1-74, Cl. 272-79.00a.

Webb, Ronald W., to United States of America, Atomic Energy Commission. High temperature ceramic composition for hydrogen retention. 3,784,384, 1-8-74, Cl. 106-39.000.

Webb, Terence Wilfred, to English Clays Lovering Pochin & Company, Limited. Polarography. 3,808,116, 4-30-74, Cl. 204-195.00h.

Webb, Thomas E., to Reynolds Metals Company. Composite article. 3,850,585, 11-26-74, Cl. 29-197.500.

Webb, Thomas O., to Marathon Oil Company. Use of micellar solution as an emulsion breaker. 3,799,265, 3-26-74, Cl. 166-305.00r.

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Webb, William. Means for decreasing trailer drag. 3,794,372, 2-26-74, Cl. 296-1.00s.

Webb, William G. Venturi anti-siltation system. 3,855,367, 12-17-74, Cl. 261-77.000.

Webb, William L.; Warwick, Thomas R.; Hackey, Ronald D.; and Price, Robert L., to United Aircraft Corporation. Integrated control for a turbopropulsion system. 3,797,233, 3-19-74, Cl. 60-39.16r.

Webber, Edward Hulton. Automatic control of a workpiece under the needle of a sewing machine. 3,799,085, 3-26-74, Cl. 112-121.120.

Webber, Geoffrey Terence; and Winchester, James Henry, to Whitehall Machinery Limited. Apparatus for handling sacks. 3,823,438, 7-16-74, Cl. 15-304.000.

Webber, Raymond E.; Boggs, Roger L.; and Stedman, Robert N., to Caterpillar Tractor Company. Lubricated track joint. 3,841,716, 10-15-74, Cl. 305-11.000.

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Weber, Albert J.; Erling, Frank H.; and Bearfield, Clair A., to Tri W-G, Inc. Tiltable treatment table. 3,806,109, 4-23-74, Cl. 269-323.000.

Weber, Albert L., 50% to Watkins, Lloyd J. Resilient pivot joint for an artificial leg resilient. 3,842,443, 10-22-74, Cl. 3-2.000.

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Weber, Albrecht, to Maschinenfabrik Hilma Gesellschaft mit beschrankter Haftung. Vise. 3,815,889, 6-11-74, Cl. 269-28.000.

Weber, Alice. Oral hygiene appliance. 3,811,447, 5-21-74, Cl. 128-304.000.

Weber, Bernard R.; and Wendt, David W., to Wesbar Corporation. Vehicle lamp. 3,789,209, 1-29-74, Cl. 240-7.10r.

Weber, Bernard R., to Wesbar Corporation. Multi-pupose vehicle lamp having side light emitting lens. 3,831,018, 8-20-74, Cl. 240-8.200.

Weber, Bernhard; and Pfaff, Alfred, to Garth, Harold. Clutch. 3,830,081, 8-20-74, Cl. 64-14.000.

Weber, Bernhard Georg, to Sulzer Brothers Ltd. Acetabulum implant. 3,806,960, 4-30-74, Cl. 3-1.000.

Weber, Carl; Shroyer, Larry L.; and Baker, James T., to Progressive Dynamics, Inc. Recessed lighted assist bar. 3,789,210, 1-29-74, Cl. 240-7.300.

Weber, CArl L., to Hydrocarbon Research, Inc. Phase separation apparatus. 3,819,331, 6-25-74, Cl. 23-284.000.

Weber, Charles A., to Bock Products, Inc. Fifth wheel mounting structure. 3,826,516, 7-30-74, Cl. 280-407.000.

Weber, Charles F.; and Sherman, Carl W., to Addressograph-Multigraph Corporation. Embossed character sensing device. 3,854,661, 12-17-74, Cl. 235-61.11e.

Weber, Charles H.; and Pickard, John E., to Grace, W. R., & Co. Laminated aluminum article and method. 3,826,651, 7-30-74, Cl. 96-35.100.

Weber, Charles L., to Kustom Electronics, Inc. Frequency generating device utilizing a phase locked loop including a voltage control oscillator. 3,848,199, 11-12-74, Cl. 331-2.000.

Weber, Charles W.; Rucker, C. Olen; Peavy, Patrick L.; Woo, Pak-Fat (William); and Bear, James E., to Brown & Root, Inc. Method for determining and controlling liquid cooling system characteristics. 3,847,207, 11-12-74, Cl. 165-1.000.

Weber, Donald R.; Leaf, Harry Vincent; and Daly, Charles Joseph, to Ark-Les Switch Corporation. Apparatus for assembling insulated terminals. 3,831,254, 8-27-74, Cl. 29-203.00d.

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Weber, Edwin Joseph; and Secoura, Ralph James. Detachable blade assembly for grass shear. 3,851,388, 12-3-74, Cl. 30-223.000.

Weber, Erich: *See—*
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Weber, Ernesto Juan. Condition responsive control device with capacity for independent adjustment of control points. 3,786,212, 1-15-74, Cl. 200-83.00r.

Weber, Erwin. Locking device. 3,796,985, 3-12-74, Cl. 339-91.00r.

Weber, Fred A.: *See—*
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Weber, Fred A.; Caputo, James P.; Eddy, John W.; Harrington, Phil R.; O'Toole, Gerald; Puccini, Sergio E.; and Adamski, Diane L., to GTE Automatic Electric Laboratories, Incorporated. Assignment and connection of call digit receivers and senders to a regiser in a communication switching system. 3,819,865, 6-25-74, Cl. 179-15.0at.

Weber, George Robert. Accelerated aging of alcoholic beverages. 3,787,587, 1-22-74, Cl. 426-248.000.

Weber, Gordon. Method and device for career selection. 3,818,616, 6-25-74, Cl. 35-74.000.

Weber, Gunther. System for transforming a physical parameter into an electrical signal. 3,833,850, 9-3-74, Cl. 324-41.000.

Weber, Guy Paul; and Deshayes, Philippe Marie, to La Cellophane. Method and system for varying the positions of image-forming surfaces on an elongate flexible electrophotographic support belt for different runs thereof. 3,785,730, 1-15-74, Cl. 355-16.000.

Weber, Guy Paul; and Deshayes, Philippe Marie, to La Cellophane. Method and system for varying the positions of image-forming surfaces on an elongate flexible electrophotographic support belt for different runs thereof. 3,799,669, 3-26-74, Cl. 355-17.000.

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Weber, Hans-Peter; Litzler, Alfred; Hertig, Jean; Milicevic, Branimir; Fuhring, Heinrich; and Sieber, Johannes-Helmut, to Ciba Limited and Bowe Bohler & Weber KG. Apparatus for the processing of textiles, fibers and the like. 3,783,650, 1-8-74, Cl. 68-18.00.

Weber, Heinrich: *See—*
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Weber, Heinz, to Telesco Brophey Limited. Umbrella handle. 3,799,180, 3-26-74, Cl. 135-20.00r.

Weber, Heinz, to Telesco Brophey Limited. Collapsible umbrella. 3,802,452, 4-9-74, Cl. 135-25.00r.

Weber, Heinz, to Telesco Brophey Limited. Umbrella. 3,831,613, 8-27-74, Cl. 135-20.00r.

Weber, Heinz, to Bremshey AG. Collapsible umbrella. 3,831,614, 8-27-74, Cl. 135-25.000.

Weber, Heinz, to Telesco Brophey Limited. Umbrella. 3,837,352, 9-24-74, Cl. 135-25.000.

Weber, Heinz, to Telesco Brophey Limited. Umbrella. 3,848,740, 11-19-74, Cl. 135-25.00r.

Weber, Heinz; and Thur, Klaus, to Telesco Brophey Limited. Garden umbrella. 3,850,186, 11-26-74, Cl. 135-20.00m.

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Weber, Heinz, to Telesco Brophey Limited. Telescopic umbrella. 3,856,031, 12-24-74, Cl. 135-25.000.

Weber, Heinz Paul: *See—*
Chandross, Edwin Arthur; Pryde, Carolie Anne; Tomlinson, Walter John, III; and Weber, Heinz Paul, 3,809,732.
Danielmeyer, Hans Guenter; and Weber, Heinz Paul, 3,813,613.
Kaminow, Ivan Paul; and Weber, Heinz Paul, 3,833,284.
Sosnowski, Thomas Patrick; and Weber, Heinz Paul, 3,839,067.
Tomlinson, Walter John, III; and Weber, Heinz Paul, 3,814,498.

Weber, Helmut: *See—*
Weyer, Rudi; Aumuller, Walter; Weber, Helmut; Muth, Karl; and Schmidt, Felix Helmut, 3,790,630.
Weyer, Rudi; Aumuller, Walter; Schweitzer, Roland; Weber, Helmut; and Hubner, Manfred, 3,816,424.

Weber, Helmut; Aumuller, Walter; Muth, Karl; and Weyer, Rudi, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzenesulfonyl ureas. 3,812,185, 5-21-74, Cl. 260-553.0da.

Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Schmidt, Felix Helmut, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzenesulfonyl ureas and their use in treating diabetes. 3,825,665, 7-23-74, Cl. 424-322.000.

Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Stach, Kurt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzene-sulfonyl semicarbazides. 3,843,661, 10-22-74, Cl. 260-293.660.

Weber, Helmut; Aumuller, Walter; Weyer, Rudi; Muth, Karl; and Stach, Kurt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzene-sulfonyl semicarbazides and process for preparing them. 3,847,938, 11-12-74, Cl. 260-326.100.

Weber, Helmut E.: *See—*
Coleman, Richard R., Jr.; and Weber, Helmut E., 3,811,796.

Weber, Hendrik Gustaaf Otto: *See—*
Van Laar, Jacobus; Felthuis, Jacob; and Weber, Hendrik Gustaaf Otto, 3,806,313.

Weber, Hendrik Gustaaf Otto, to Hoogovens Ijmuiden B.V. Refractory masonry wall bounding a space which receives hot gas. 3,802,833, 4-9-74, Cl. 432-251.000.

Weber, Hendrik Gustaaf Otto, to Hoogovens Ijmuiden BV. Conduit system for the transport of hot gases, especially hot-blast air for a blast furnace, which conduit system includes a connector plug. 3,853,307, 12-10-74, Cl. 266-30.000.

Weber, Horst: *See—*
Loquenz, Heinz; and Weber, Horst, 3,818,681.

Weber, Howard F., to Motorola, Inc. Variable dwell ignition system. 3,831,571, 8-27-74, Cl. 123-148.00e.

Weber, Jay B., to New Holland Planing Mill, Inc. Folding church pew. 3,796,459, 3-12-74, Cl. 297-60.000.

Weber, Joanne B., to Eastman Kodak Company. Heat decolorizable antihalation layers of a vanadium complex of 8-hydroxyquinoline. 3,821,001, 6-28-74, Cl. 96-84.00r.

Weber, John A., to General Motors Corporation. Anti-theft apparatus including turnover mode of operation. 3,784,839, 1-8-74, Cl. 307-10.0at.

Weber, John L.; and Klimas, George C., to Alliance Tool & Die Corporation. Polishing machine for the like with a removable platen. 3,813,825, 6-4-74, Cl. 51-129.000.

Weber, John M. Electric discharge machine with mechanism for orbiting the electrode on a polygonal path. 3,809,852, 5-7-74, Cl. 219-69.00v.

Weber, John W.: *See—*
Etling, Lyle R.; Mason, Jerry M.; and Weber, John W., 3,793,590.

Weber, Jonathan T., to Positrol, Inc. Hydraulically controlled holding device. 3,830,509, 8-20-74, Cl. 279-2.000.

Weber, Jose Thomas, Jr.: *See—*
Van Dyck, Donald Edwin; and Weber, Jose Thomas, Jr., 3,803,545.

Weber, Joseph A., to Weber Marking Systems, Inc. Stencil construction. 3,789,756, 2-5-74, Cl. 101-128.200.

Weber, Joseph P.: *See—*
Houlgrave, Robert C.; and Weber, Joseph P., 3,827,673.

Weber, Karl Heinz: *See—*
Bauer, Adolf; Weber, Karl Heinz; Merz, Herbert; Zeile, Karl; Giesemann, Rolf; and Danneberg, Peter, 3,816,409.

Weber, Karl Heinz; Zeile, Karl; Danneberg, Peter; Giesemann, Rolf; and Hauptmann, Karl Heinz; deceased (by Hauptmann, Maria; heir), to Boehringer Ingelheim G.m.b.H. Pharmaceutical compositions containing a 5-phenyl-7-trifluoromethyl-1H-1,5-benzodiazepine-24-dione. 3,836,652, 9-17-74, Cl. 424-244.000.

Weber, Karl Heinz; Zeile, Karl; Danneberg, Peter; Giesemann, Rolf; and Hauptmann, Karl Heinz; deceased (by Hauptmann, Marie; heir), to Boehringer Ingelheim G.m.b.H. Pharmaceutical compositions containing a 5-phenyl-7-bromo-1H-1,5-benzodiazepine-2,4-(3H,5H)dione. 3,836,653, 9-17-74, Cl. 424-244.000.

Weber, Karl-Arnold: *See—*
Traubel, Harro; Weber, Karl-Arnold; Koch, Otto; and Konig, Klaus, 3,788,887.

Weber, Karl-Heinz: *See—*
Bauer, Adolf; Weber, Karl-Heinz; Danneberg, Peter; and Minck, Kalus, 3,786,051.

Weber, Karl-Heinz, to Gebr. Eickhoff Maschinenfabrik und Eisengiesserei m.b.H. Explosion-proof housing means for electrical circuitry used in mining machinery. 3,821,609, 6-28-74, Cl. 317-99.000.

Weber, Kenneth E.: *See—*
Hoch, Geraldine M.; and Weber, Kenneth E., 3,832,239.
Wanamaker, John L.; Weber, Kenneth E.; and Hoch, Geraldine M., 3,790,453.

Weber, Kenneth E.; Crozier, Donald G.; and Hawley, Wilbur W., said Weber and said Crozier assors. to Lockheed Aircraft Corporation. Production of stain resistant, clear, sealed anodized films. 3,849,264, 11-19-74, Cl. 204-35.00n.

Weber, Kurt: *See—*
Siegrist, Adolf Emil; Liechti, Peter; Maeder, Erwin; Guglielmetti, Leonardo; Meyer, Hans Rudolf; and Weber, Kurt, 3,849,163.

Weber, Kurt; and Luethi, Christian, to Ciba-Geigy AG. Styryl compounds, processes for their manufacture and their use. 3,825,534, 7-23-74, Cl. 260-240.0ca.

Weber, Kurt; and Schlapfer, Hans, to Ciba-Geigy AG. Divinylkiphenyl compounds. 3,843,633, 10-22-74, Cl. 260-240.00c.

Weber, Kurt, to Ciba-Geigy AG. Styrylbenzene derivatives, their manufacture and use. 3,849,485, 11-19-74, Cl. 260-505.00r.

Weber, Kurt H., to General Electric Company. Photoflash lamps. 3,817,683, 6-18-74, Cl. 431-95.000.

Weber, Larry, to University of Illinois Foundation. Optical write inmethod and apparatus for a plasma display panel. 3,800,296, 3-26-74, Cl. 340-173.0pl.

Weber, Lothar: *See—*
Ziener, Hermann; Weber, Lothar; Jabnke, Horst; Magenau, Horst; and Zimmermann, Georg, 3,821,028.

Weber, Ludwig Wilhelm: *See—*
Bolan, Peter Samuel; Bryant, Aramis Duane; Drejza, John Edward; Holovka, Charles Stephen; and Weber, Ludwig Wilhelm, 3,848,722.

Weber Marking systems, Inc: *See—*
Anderson, Bror E.; and Schick, Margery L., 3,824,116.
Anderson, Bror E.; Schick, Margery L.; and Wedyck, Janis E., 3,824,117.
Bosburg, Guy M.; and Marxen, John C., 3,844,212.
Weber, Joseph A., 3,789,756.

Weber, Otto K., to Sensor Technology, Inc. Optical transducer having rectilinear fiber optic array including interdigitated light source and sensor associated fibers. 3,814,933, 6-4-74, Cl. 250-227.000.

Weber, Paul E.: *See—*
Hertel, Heinz E.; Kearney, Robert L.; and Weber, Paul E., 3,836,251.

Weber, Paul E., to Bell & Howell Company. Optical imaging system of short focal lens. 3,836,249, 9-17-74, Cl. 355-51.000.

Weber, Peter: *See—*
Moser, Werner; Buchi, Paul; and Weber, Peter, 3,782,655.

Weber, Raymond E.: *See—*
Straut, Harold J., Jr.; and Weber, Raymond E., 3,782,207.

Weber, Richard: *See—*
Mosler, Henry A.; and Weber, Richard, 3,855,074.

Weber, Robert E.: *See—*
Carp, Ralph W.; Weber, Robert E.; Weissler, Harold E., II; and Kasselmann, John T., 3,802,749.

Weber, Robert L. Coffee Infusion apparatus and method. 3,793,933, 2-26-74, Cl. 99-283.000.

Weber, Robert L., to Caterpillar Tractor Company. Engine valve lifter guide. 3,795,229, 3-5-74, Cl. 123-90.500.

Weber, Robert L. Weighing dispenser. 3,796,349, 3-12-74, Cl. 222-55.000.

Weber, Robert L. Coffee infusion apparatus. 3,804,635, 4-16-74, Cl. 99-283.000.

Weber, Robert L. Infusor apparatus. 3,844,206, 10-29-74, Cl. 99-282.000.

Weber, Ronald J.; and Higgins, Wesley J., to Wausau Metals Corporation. Ventilating unit. 3,830,147, 8-20-74, Cl. 98-99.00r.

Weber, Rudolf; and Upgenoorth, Angelika, to Henkel & Cie G.m.b.H. Solid, pulverulent to granular compositions containing bleaching activators. 3,789,002, 1-29-74, Cl. 252-99.000.

Weber, Russell W. Fishing device. 3,844,059, 10-29-74, Cl. 43-43.130.

Weber, T. Jerome; and Yokomizo, Clifford T., to United States of America, Atomic Energy Commission. Roll rate control system. 3,843,075, 10-22-74, Cl. 244-3.150.

Weber, Walter W.: *See—*
Costanza, Carl; Weber, Walter W.; Setlejewski, Frank W.; and Frystak, Richard, 3,782,816.

Weber, Wilhelm G. Foamed fire resistant self extinguishing compositions containing a flame extinguishing material releasing flame extiguishing gases such as CO_{HCN} or HCl when subjected to high temperatures and method of making. 3,836,764, 7-30-74, Cl. 260-2.5aj.

Weber, Willi: *See—*
Schaumann, Anton; and Weber, Willi, 3,789,394.

Weber, William A.; and Wellech, Edmund H., to Corning Glass Works. Spinnerette plates and spinnerette employing same. 3,825,456, 7-23-74, Cl. 156-15.000.

Weber-Knapp Company: *See—*
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Little, Carl H., 3,841,767.

Webline Corporation, The: *See—*
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Webster, Bruce G.: *See—*
Mestetsky, Thomas S.; and Webster, Bruce G., 3,846,227.

Webster, Charles W.: *See—*
Green, Wendel C.; Webster, Charles W.; Sharkitt, Patrick J.; and Hayden, Richard R., 3,824,547.

Webster, Colin James, to Imperial Chemical Industries Limited. Tobacco substitute smoking mixture. 3,844,294, 10-29-74, Cl. 131-2.000.

Webster, Colin James, to Imperial Chemical Industries Limited. Tobacco composition. 3,847,326, 11-12-74, Cl. 131-17.000.

Webster, David P.; and Seward, John A. Roll cutting and slicing dispenser. 3,782,615, 1-1-74, Cl. 225-94.000.

Webster, Earle R., Jr. Incorporation of solid additives into molten aluminum. 3,849,123, 11-19-74, Cl. 75-138.000.

Webster, Edward, to Sebec Societe d'Exploitation de Brevets d'Emballage Cosmetique S.A. Lipstick containers. 3,806,263, 4-23-74, Cl. 401-78.000.

Webster Electric Company, Inc.: *See—*
Bulin, Edward G., 3,795,725.
Bulin, Edward G., 3,825,639.
Lourigan, Ronald F., 3,849,670.

Webster, Francis P.: *See—*
Hasslinger, Robert L.; and Webster, Francis P., 3,806,706.

Webster, Frank G.: *See—*
McColgin, William C.; and Webster, Frank G., 3,798,566.

Webster, Frank G., to Eastman Kodak Company. Cyanine dye infrared lasers. 3,831,105, 8-20-74, Cl. 331-94.501.

Webster, Frank G.; and McColgin, William C., to Eastman Kodak Company. Styryl and arylbutadienyl dye lasers. 3,833,863, 9-3-74, Cl. 331-94.500.

Webster, Frank G.; and McColgin, William C., to Eastman Kodak Company. Arylidene dye lasers. 3,852,683, 12-3-74, Cl. 331-94.501.

Webster, George H.: *See—*
Dembiak, Matthew R.; and Webster, George H., 3,819,434.
Dembiak, Matthew R.; and Webster, George H., 3,823,747.
Dembiak, Matthew R.; and Webster, George H., 3,829,340.

Webster, Gordon A.: *See—*
Dobson, Richard N.; and Webster, Gordon A., 3,824,661.

Webster, Harold F.: *See—*
Glascock, Homer H., Jr.; and Webster, Harold F., 3,793,552.

Webster, John L., to Reynolds Metals Company. Foldable, portable structure. 3,807,104, 4-30-74, Cl. 52-70.000.

Webster, Joseph George; and Tuck, William Henry, to Bakelite Xylonite Limited. Method of forming foamed polyolefin casts on a living body. 3,819,796, 6-25-74, Cl. 264-321.000.

Webster, Keith; and Finch, Leslie Gordon, to Dunford Hadfields Limited. Hot work tools and alloys therefor. 3,839,022, 10-1-74, Cl. 75-126.00b.

Webster, Kenneth E.: *See—*
Alden, John W., Jr.; and Webster, Kenneth E., 3,799,121.

Webster, Mild E., to Gillette Company, The. Method of manufacturing a pressurized dispensing package. 3,791,098, 2-12-74, Cl. 53-30.000.

Webster, Milo E., to Gillette Company, The. Adjustable aerosol valve button assembly. 3,804,296, 4-16-74, Cl. 222-48.000.

Webster, Milo E., to Gillette Company, The. Disposable lighter. 3,854,862, 12-17-74, Cl. 431-254.000.

Webster, Neal R. Shoes for walking on water. 3,808,622, 5-7-74, Cl. 9-310.00d.

Webster, Neil W.; and Sheesley, Donald L., to Sperry Rand Corporation. Light weight plunger for a hay baler. 3,782,275, 1-1-74, Cl. 100-98.00r.

Webster, Owen Wright, to Du Pont de Nemours, E. I., and Company. 1-Hydrocarbon-substituted 2-halo-4,5-dicyanoimidazoles and their preparation. 3,793,339, 2-19-74, Cl. 260-309.000.

Webster, Owen Wright, to Du Pont de Nemours, E. I., and Company. Preparation of 3,4-dicyano-1,2,5-thiadiazole from HCN, trimethylamine, chlorine, and sulfur or sulfur dichloride. 3,801,585, 4-2-74, Cl. 260-302.00d.

Webster, Owen Wright, to Du Pont de Nemours, E. I., and Company. Cyclopentadienes in which at least four of the ring carbons carry cyano substituents and methods for their preparation. 3,853,943, 12-10-74, Cl. 260-464.000.

Webster, Richard Roy; and Mueller, Norman Paul, to Jones & Laughlin Steel Corporation. Rolled strip shape control using work roll screwdown changes. 3,850,020, 11-26-74, Cl. 72-199.000.

Webster, Ronald B.; and Rich, Leonard G., to Gerber Scientific Instrument Company, The. Line drawing photoexposure device with image rotating means. 3,848,520, 11-19-74, Cl. 95-12.000.

Webster, Ronald Bruce: *See—*
Gerber, Heinz Joseph; Rich, Leonard G.; Webster, Ronald Bruce; Martino, Robert Louis; Chase, Earle Merritt; and D'Onofrio, Anthony, 3,857,525.

Webster Spring Co., Inc.: *See—*
Garceau, Harry A., 3,789,440.

Webster, William C.: *See—*
Minnick, Leonard John; Webster, William C.; and Smith, Charles L., 3,785,840.
Minnick, Leonard John; Webster, William C.; and Smith, Charles L., 3,854,968.

Webster, William C.; and Smith, Charles L. Cementitious composition containing activated lime-fly ash mixture. 3,852,084, 12-3-74, Cl. 106-118.000.

Webster, William E.: *See—*
Clark, Nicholas R.; and Webster, William E., 3,822,289.

Wech, Robert J., to FMC Corporation. Drive system for bag machine. 3,822,168, 7-2-74, Cl. 156-515.000.

Wechel, Ernst. Apparatus for continuous transfer of a material rope from a pile to a following device. 3,822,617, 7-9-74, Cl. 82-2.500.

Wechsler, Harold R. Kite. 3,796,399, 3-12-74, Cl. 244-153.00r.

Wechsler, Joseph R., to Steppan Chemical Company. Method of synthesizing fatty acid esters. 3,816,485, 6-11-74, Cl. 260-410.90r.

Wechsler, Richard L., to Bethlehem Steel Corporation. Apparatus for shrinking collars on a shaft. 3,827,134, 8-6-74, Cl. 29-252.000.

Wechsler, Robert M. Three dimensional autostereoscopic production of selector screen images formed of perspectives taken from discrete points of view. 3,800,307, 3-26-74, Cl. 354-112.000.

Wechter, Margaret A.: *See—*
Hahn, Paul B.; Johnson, Dennis C.; Shanks, Howard R.; and Wechter, Margaret A., 3,856,634.

Wechter, Margaret A.; and Shanks, Howard R., to Iowa State University Research Foundation, Inc. Ion-selective electrodes using tungsten bronzes as active element. 3,825,482, 7-23-74, Cl. 204-195.00m.

Wechter, William J.: *See—*
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Kelly, Robert C.; Wechter, William J.; and Gish, Duane T., 3,847,898.

Weck, Edward, & Company, Inc.: *See—*
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Chester, John E., 3,815,609.
Chester, John E., 3,830,230.
Hagen, Clarence A., 3,835,858.
Hirsch, Winfred S., 3,834,390.
Nordin, Harald, 3,847,154.

Weck, Manfred, to Wolf-Gerate GmbH. Electrically driven lawn mower. 3,841,069, 10-15-74, Cl. 56-10.500.

Weckbrodt, Ilse. Patterned curtain. 3,791,436, 2-12-74, Cl. 160-348.000.

Wecker, Walter A., Sr., to Wacker-Dearborn Corporation. Filter bed assembly for cleansing cooking oils and the like. 3,849,312, 11-19-74, Cl. 210-237.000.

Weckesser, Louis B.: *See—*
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Weckler, Gene P.; and Snow, Edward H., to Reticon Corporation. Self-scanning photo diode array. 3,822,362, 7-2-74, Cl. 178-7.100.

Weco Wehmeyer & Co.: *See—*
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Wed. Joh. Verhulst en Zonen B.V.: *See—*
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Weddendorf, Elmer R., to B/W Metals Company, Inc. Safety door mechanism. 3,841,440, 10-15-74, Cl. 186-1.00r.

Wedding, Brent M.: *See—*
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Wedding, Leon E.: *See—*
Gilbert, William A.; and Wedding, Leon E., 3,851,348.

Weddleton, Richard Francis, to General Electric Company. Tin containing esterimide polymer resins and method of forming. 3,853,817, 12-10-74, Cl. 260-75.00n.

Weddleton, Richard L., to Hewlett-Packard Company. Wide-chart display with small-span oscillographic recording instruments. 3,808,535, 4-30-74, Cl. 346-1.000.

Wedel, Alfred W.: *See—*
Oliver, John P.; Wedel, Alfred W.; and Priesmeyer, Paul T., 3,854,211.

Wedel, Jerry L.: *See—*
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Wedemeyer, Karlfried: *See—*
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Birkenstock, Udo; and Wedemeyer, Karlfried, 3,853,961.
Hagedorn, Ferdinand; Wedemeyer, Karlfried; Scherhag, Berhard; and Hausweiler, Arnold, 3,838,068.

Wedemeyer, Karlfried; Helm, Rudolf; and Pawellek, Dieter, to Bayer Aktiengesellschaft. Process for the production of 2,5-dichloro-3-nitro-benzoic acid. 3,822,311, 7-2-74, Cl. 260-515.00a.

Weder, Hans Georg. Dialysis apparatus. 3,811,573, 5-21-74, Cl. 210-321.000.

Wedgwood, Sidney, to Staffordshire Ceramic Systems Limited. Apparatus for sponging the rims of unfired ceramic hollow-ware. 3,824,056, 7-16-74, Cl. 425-266.000.

Wedin, Sten Henrik: *See—*
Axenborg, Carl Evert; Mennborg, Hans-Jorgen Theodor; and Wedin, Sten Henrik, 3,802,651.

Wedler, John F., to Lamson & Sessions Co., The. Method and apparatus for making a fastener. 3,796,079, 3-12-74, Cl. 72-70.000.

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Wedyck, Janis E.: *See—*
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Weed, Lucretia: *See—*
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Weed, Richard M. Invisible tie clip. 3,802,032, 4-9-74, Cl. 24-49.0cc.

Weeding, Gale S., to United States of America, Navy. Twisted prism explosive device. 3,853,060, 12-10-74, Cl. 102-67.000.

Weedon, Gene C.; and Little, Edwin D. Antistatic fiber containing high molecular weight tris(b-hydroxyalkyl)-isocyanurate-alkylene oxide adducts. 3,825,619, 7-23-74, Cl. 260-857.000.

Weedon, Gene Clyde: *See—*
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Weedon, Gene Clyde, to Allied Chemical Corporation. Polyesters with improved dyeability. 3,812,178, 5-21-74, Cl. 260-512.00r.

Weefantomaten Picanol N.V.: *See—*
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Weefautomolent, Picanol, Noamloze Vennootschap: *See—*

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Weegen, Lorenz; Luders, Albrecht; Brinkmann, Heinz; Herbst, Klaus; and Ernst, Gerd, to Kronprinz Aktiengesellschaft. Wheel with drop-base rim. 3,787,092, 1-22-74, Cl. 301-63.00r.

Week, Nils P.: *See*—
Shellman, Carl E.; and Week, Nils P., 3,789,703.

Week, Nils P.; Shellman, Carl E.; and Koivunen, Erkki A., to General Motors Corporation. Hydrostatic machine valve biasing system. 3,810,715, 5-14-74, Cl. 417-213.000.

Weekers, Theodorus Hendrikus: *See*—
Van Stratum, Antonius Johannes Alberta; and Weekers, Theodorus Hendrikus, 3,823,453.

Weeks, Albert Arthur, to British Hovercraft Corporation, Limited. Method for moving and lifting a ship section. 3,811,583, 5-21-74, Cl. 214-152.000.

Weeks, Cluster G. Fishing rod retrieving device. 3,786,590, 1-22-74, Cl. 43-25.000.

Weeks, Daniel W.: *See*—
Stewart, Floyd C.; Weeks, Daniel W.; and Belcher, Brian E., 3,846,703.

Weeks, John R., Jr.: *See*—
Drouhard, Alfred J., Jr.; and Weeks, John R., Jr., 3,811,135.

Weeks, Lorne E.; and Doran, Ronald W., to International Research and Development Corporation, mesne. Method for slurring soda ash. 3,802,848, 4-9-74, Cl. 23-293.00r.

Weeks, Raymond Leland: *See*—
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Weeks, Wilfred Gwyn, 1/2 to Taylor, Malcolm A. Window stay assembly. 3,796,072, 3-12-74, Cl. 70-89.000.

Weelink, Anton Maarten Herman: *See*—
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Weelink, Anton Maarten Herman; Van Osch, Gerardus Wouter Serge; and Van Houwelingen, Jan, to Control Data Corporation. Ion selective electrode comprising cuprous sulfide and method of making said electrode. 3,824,170, 7-16-74, Cl. 204-195.00m.

Weems, Sterling J.; McCurdy, H. William; and Johnson, John W., to Westinghouse Electric Corporation. Insulation and cooling system for a nuclear reactor condenser compartment. 3,844,885, 10-29-74, Cl. 176-37.000.

Weenen, Jacobus Hendricus Marinus: *See*—
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Weese, Harry M. Modular building construction system using segmented column assembly. 3,831,332, 8-27-74, Cl. 52-236.000.

Weesner, William E.: *See*—
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Weetall, Howard H.; and Yaverbaum, Sidney, to Corning Glass Works. Treatment of whey with immobilized lactase and glucose isomerase. 3,852,496, 12-3-74, Cl. 426-41.000.

Weetman, David G.: *See*—
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Wefer, John M., to Uniroyal, Inc. Transparent heat resistant gum plastic. 3,792,125, 2-12-74, Cl. 260-876.00r.

Wefers, Johann Karl; and Becker, Otto Alfred, said Wefers assor. to said Becker, Otto Alfred. Resistance welding of sheet metal covered with non-metallic layers. 3,800,118, 3-26-74, Cl. 219-91.000.

Wefers, Norbert; Militz, Uwe; Unglaube, Uwe; and De Meer, Jan, to Nixdorf Computer AG. Scanning means. 3,846,623, 11-5-74, Cl. 235-61.11e.

Weft thread end catching and holding mechanism: *See*—
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Wegehaupt, Karl-Heinrich; Kratel, Gunther; and Leiser, Manfred, to Wacker-Chemie GmbH. Organopolysiloxane compositions. 3,855,171, 12-17-74, Cl. 260-37.0sb.

Wegener, Horst A. R.: *See*—
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Wegener, Horst A. R., to Sperry Rand Corporation. Integrated threshold MNOS memory with decoder and operating sequence. 3,824,564, 7-16-74, Cl. 340-173.00r.

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Wegenke, Ingwald E.: *See*—
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Weggeland, John H., to WML, Incorporated. Display-type picture viewer. 3,797,144, 3-19-74, Cl. 40-36.000.

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Weglage, David E., 50% to Becker, Walter. Method of applying retainer rings from interconnected retainer ring supply. 3,846,900, 11-12-74, Cl. 29-413.000.

Weglein, Rolf D., to Hughes Aircraft Company. Acoustic surface wave device with reduced RF feedthrough. 3,845,418, 10-29-74, Cl. 333-30.00r.

Wegman, Edwin H.: *See*—
Chiulli, Angelo J.; and Wegman, Edwin H., 3,821,364.

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Wegmann, Jacques; and Becker, Carl, to Ciba-Geigy AG. Process for the production of highly concentrated dyestuff and pigment preparations. 3,844,806, 10-29-74, Cl. 106-193.000.

Wegmiller, Gary R.: *See*—
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Wegmueller, Hans; Lauton, Alain; and Keller, Karl Heinz, to Ciba-Geigy AG. Cyano-, hydroxy-, methoxy-, or acetoxy-methyl biphenyl or diphenyl oxide assisted disperse dyeing. 3,822,997, 7-9-74, Cl. 8-172.000.

Wegmuller, Hans; and Kleemann, Alois, to Ciba-Geigy AG. Process for the non-aqueous continuous dyeing and printing of fibre material made from synthetic polyamide. 3,787,180, 1-22-74, Cl. 8-172.000.

Wegner, Eugene H., to Phillips Petroleum Company. Microbial production of dicarboxylic acids. 3,796,630, 3-12-74, Cl. 195-28.00r.

Wegner, Gerhard: *See*—
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Wegscheider, Fred, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Process for the continuous production of steel by spray-refining and plant for carrying out the process. 3,807,716, 4-30-74, Cl. 266-13.000.

Wegst, Walter F.; and Aepli, Otto T., to BASF Wyandotte corporation. Surfactant-form depressant emulsion compositions. 3,829,386, 8-13-74, Cl. 252-135.000.

Wehde, Heinz: *See*—
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Wehde, Heinz, to Teldix GmbH. Electrically actuated vehicle brake system. 3,790,225, 2-5-74, Cl. 303-21.00f.

Wehde, Heinz, to Teldix GmbH. Magnetically mounted rotor. 3,845,995, 11-5-74, Cl. 308-10.000.

Wehking, Frank J., to Continental Oil Company. Collapsible funnel for dispensing liquids from puncturable containers. 3,804,134, 4-16-74, Cl. 141-98.000.

Wehl, Glenn E., to Portage Electric Products, Inc. Thermostatic switch. 3,789,339, 1-29-74, Cl. 337-95.000.

Wehl, Glenn E., to Portage Electric Products, Inc. Thermal protector. 3,827,014, 7-30-74, Cl. 337-407.000.

Wehlau, Paul A. Golf aid. 3,846,918, 11-12-74, Cl. 33-262.000.

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Wehman, Alan W., to Lorain Products Corporation. Alarm circuit for monitoring the amplitude of A-C voltages. 3,836,854, 9-17-74, Cl. 324-133.000.

Wehmeyer, Donald T. Mobile scaffolding. 3,817,346, 6-18-74, Cl. 182-14.000.

Wehmeyer, Eugene E. Closure device. 3,812,745, 5-28-74, Cl. 81-56.000.

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Wehner, Albert, to Hein, Lehmann Aktiengesellschaft. Sieving, screening, filtering or washing machine. 3,841,481, 10-15-74, Cl. 209-310.000.

Wehner, Byrom T., to Armco Steel Corporation. High pressure joint and sealing ring therefor. 3,797,835, 3-19-74, Cl. 277-171.000.

Wehner, Frank. Bowling bag cart. 3,850,442, 11-26-74, Cl. 280-47.370.

Wehner, George O.: *See*—
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Wehner, Karl-Heinz; Bell, Gunter; and Watermann, Willy, to Klockner-Werke AG. Traveling face support with an attached extensible shield. 3,811,288, 5-21-74, Cl. 61-45.00d.

Wehner, Klaus; Kisan, Werner; Esser, Gerhard; and Kunz, Gerald, to VEB Leuna-Werke "Walter Ulbricht". Process for the isolation and simultaneous purification of hydrocarbons. 3,793,188, 2-19-74, Cl. 208-313.000.

Wehner, William C., 40% to Crawford, Howard E. and 20% to Hauke, Robert C. Spring hinge structures. 3,842,463, 10-22-74, Cl. 16-142.000.

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Woodward, Dean R.; Wehr, Karl C.; Wollner, Lionel J.; Bienas, Joseph R.; Kelsey, John E.; O'Neill, John J.; and Sichel, Leonard H., Jr., 3,839,707.

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Wehrli, Hansuli; and Jeger, Oskar, to Ciba-Geigy Corporation. Process for the production of 14 β, 18-and 5β, 19-(epoxyethanoimino)-steroids. 3,817,989, 6-18-74, Cl. 260-239.55r.

Wehrli, Pius Anton, to Hoffmann-La Roche Inc. Synthesis of γ ketoesters. 3,798,259, 3-19-74, Cl. 260-483.000.

Wehrli, Pius Anton, to Hoffmann-La Roche Inc. Quinone intermediates for synthesis of 6-hydroxydopamine. 3,832,365, 8-27-74, Cl. 260-396.00r.

Wehrli, Pius Anton, to Hoffmann-La Roche Inc. Synthesis of 2-methyl-3-buten-2-ol. 3,838,183, 9-24-74, Cl. 260-640.000.

Wehrli, Pius Anton, to Hoffmann-La Roche Inc. Process for the preparation of 2,4,5-trimethoxybenzaldehyde. 3,855,306, 12-17-74, Cl. 260-600.000.

Wehrli, Pius Anton, to Hoffmann-La Roche Inc. Process for the preparation of 2,5,6-tri-lower-alkyl-2-cyclohexenones. 3,857,892, 12-31-74, Cl. 260-586.00r.

Wehrman, Jesse, to Petro-Tex Chemical Corporation. Color stabilizer for maleic anahydride. 3,816,475, 6-11-74, Cl. 260-346.800.

Wehrman, Roger. Powered lawn raker. 3,822,535, 7-9-74, Cl. 56-61.400.

Wehrmann, Felix, to Isovolta Osterreichische Isolierstoffwerke Aktiengesellschaft. Method of anodically coating aluminum. 3,824,159, 7-16-74, Cl. 204-58.000.

Wehrmann, Wolfgang, to Norman Messtechnik Gesellschaft m.b.H. Computational circuit for mathematical or physical values in electrical form. 3,818,205, 6-18-74, Cl. 235-193.000.

Wehrmann, Wolfgang, to Norma Messtechnik Gesellschaft m.b.H. Circuit arrangement for analog-to-digital conversion of magnitudes or signals in electrical form. 3,838,413, 9-24-74, Cl. 340-347.0ad.

Wehrmeister, Herbert L., to Commercial Solvents Corporation. Imidazoline tranquilizing agents. 3,812,111, 5-21-74, Cl. 260-240.00d.

Wehrmeister, Herbert L.; and Robertson, Donald E., to Commercial Solvents Corporation. Production of dideoxyzearalane. 3,812,155, 5-21-74, Cl. 260-343.20f.

Wehrmeister, Herbert L., to Commercial Solvents Corporation. Tranquilizers. 3,839,422, 10-1-74, Cl. 260-490.000.

Wehrmeister, Herbert L., to Commercial Solvents Corporation. Imidazoline tranquilizing agents. 3,853,995, 12-10-74, Cl. 424-273.000.

Wei, Peter H. L.: *See*—
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Wei, Peter H. L. 2-Substituted-4,5,6,7-tetrahydrobenzothiazole-4-carboxylic acids and their alkyl esters. 3,787,433, 1-22-74, Cl. 260-306.80r.

Wei, Peter H. L., to American Home Products Corporation. 2-Phenyl, halophenyl and alkylphenyl-3a,4,5,6,7,7a-hexahyde-3a hydroxybenzothiazole-4-carboxylic acid, alkyl esters. 3,794,660, 2-26-74, Cl. 260-306.700.

Wei, Peter H. L., to American Home Products Corporation. 2-Substituted-4,5,6,7-tetrahydrobenzothiazole-4-carboxylic acids and their alkyl esters, and 2-substituted-3alpha, 4, 5, 6, 7, 7alpha-hexahydro-3alpha-hydroxy-benzothiazole-4-carboxylic acids alkyl eters. 3,803,161, 4-9-74, Cl. 260-302.00f.

Wei, Peter H. L., to American Home Products Corporation. Imidazo, pyrimido and idazepino benzothiazolecarboxylic acid esters. 3,814,759, 6-4-74, Cl. 260-251.00a.

Wei, Peter H. L., to American Home Products Corporation. 2-Substituted-3a,4,5,6,7,7a-hexahydro-3a-hydroxybenzothiazolium halides. 3,823,153, 7-9-74, Cl. 260-306.700.

Wei, Peter H. L.; and Bell, Stanley C., to American Home Products Corporation. 10α-Phenyl-7α,10α-dihydrofurano[2',3';4,5] thiazolo [2,3-c] [1,2,4] benzothiadiazin-9(8H)-one-5,5-dioxide and derivatives thereof. 3,838,119, 9-24-74, Cl. 260-243.00r.

Wei, Peter H. L.; and Bell, Stanley C., to American Home Products Corporation. 2,3,4,5-Substituted thiazoles. 3,853,872, 12-10-74, Cl. 260-251.00a.

Wei, Yung-Kang: *See*—
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Wei, Yung-Kang; and Kent, Eric George, to Polymer Corporation Limited. Moldable rubber blends of block and crystalline copolymers. 3,839,501, 10-1-74, Cl. 260-876.00b.

Wei-Cheng, Kuo. Electric soldering iron. 3,792,228, 2-12-74, Cl. 219-230.000.

Wei-Cheng, Kuo. Solder feeding electric soldering iron. 3,796,856, 3-12-74, Cl. 219-230.000.

Weiant, David S., to AA Quality Construction Material, Inc. Mortar compositions containing mixtures of hydroxyalkyl celluloses. 3,824,107, 7-16-74, Cl. 106-93.000.

Weiant, David S.; Velivis, William R.; and Fitzgerald, John V., to Tile Council of America, Inc. Grout Compositions. 3,854,267, 12-17-74, Cl. 52-744.000.

Weib, Gunter: *See*—
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Weible, Warren W., to Zeller Corporation, The. Universal joint construction. 3,798,926, 3-26-74, Cl. 64-17.00a.

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Weiche, William J.: *See*—
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Weiche, William Joseph: *See*—
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Weichel, Ernst. Apparatus for mechanically distributing feed to animal feeding stations in a barn. 3,793,990, 2-26-74, Cl. 119-56.00r.

Weichel, Ernst. Apparatus for uniformly distributing material discharged from a blower pipe line. 3,851,927, 12-3-74, Cl. 302-60.000.

Weichenrieder, Erich. Hollow plastic break-away post. 3,802,135, 4-9-74, Cl. 52-98.000.

Weichhand, Robert J.; Schuler, Ralph J.; and Dieter, Julian A., to Jones, R. A., & Company, Inc. Packaging machine having reciprocating transport conveyor. 3,811,330, 5-21-74, Cl. 74-53.000.

Weichman, Bernard E., to Superior Oil Company, The. Shale oil and mineral recovery process. 3,821,353, 6-28-74, Cl. 423-119.000.

Weichselbaum, Theodore E., to Sherwood Medical Industries Inc. Universal parenteral fluid administration connector. 3,783,895, 1-8-74, Cl. 137-588.000.

Weichselbaum, Theodore E., to Sherwood Medical Industries, Inc. Filter device in tubular fitting for medical injection equipment and the like. 3,817,389, 6-18-74, Cl. 210-448.000.

Weichselbaum, Theodore E.; and Wilhelmson, Jack L., to Sherwood Medical Industries, Inc. Identification system: 3,848,112, 11-12-74, Cl. 235-61.70r.

Weick, Heinz Hermann: *See*—
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Weick, Heinz Hermann; Trueb, Viktor; and Hesener, Walter, said Trueb and said Hesener assors to said Weick, Heinz Hermann. Hand-operated dispenser for applying adhesive tape. 3,813,275, 5-28-74, Cl. 156-527.000.

Weickhardt, Ludwig, to Sartorius-Werke GmbH. Weighing balances with parallelogram support formed by two parallel guide members. 3,782,485, 1-1-74, Cl. 177-157.000.

Weidanz, Herbert; and Sandt, Gerhardt, to Datagraph A.G. Device for setting the track of records. 3,797,034, 3-12-74, Cl. 360-88.000.

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Weigel, Charles P., to Timken Company, The. Low-cost hypereutectoid bearing steel containing molybdenum and chromium. 3,799,766, 3-26-74, Cl. 75-126.00c.
Weigel, Fritz; and Keuth, Heinz, to Siemens Aktiengesellschaft. Magnetic slot closure for electrical machines and method of manufacture thereof. 3,808,135, 4-30-74, Cl. 252-62.540.
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Weight, Donald E. Bubble solution housing with cover-mounted tube and coil spring. 3,848,355, 11-19-74, Cl. 46-7.000.
Weigl, James, to Puritan-Bennett Corporation. Flow responsive respiration apparatus. 3,817,246, 6-18-74, Cl. 128-145.800.
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Weisgerber, Harold W., to Kirk and Blum Manufacturing Co., The. Oil mist recovery apparatus. 3,822,532, 7-9-74, Cl. 55-324.000.
Weisgerber, Thomas W., to General Motors Corporation. Automotive air conditioning system. 3,828,569, 8-13-74, Cl. 62-227.000.
Weisgerber, Thomas W., to General Motors Corporation. Secondary air injection apparatus. 3,852,959, 12-10-74, Cl. 60-290.000.
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Weiss, Gerald L., to NL Industries, Inc. Non-toxic compositions for use in primer coating formulations. 3,856,546, 12-24-74, Cl. 106-300.000.
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Weiss, Maurice A., to Follansbee Steel Corporation. Metal pallet. 3,826,205, 7-30-74, Cl. 108-51.000.
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Weiss, Morris, to Barnes Engineering Company. Calibration device for a gas analyzer. 3,825,756, 7-23-74, Cl. 250-343.000.
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Weiss, Reinhold, to Krone GmbH. Tunable crystal oscillator. 3,798,572, 3-19-74, Cl. 331-108.00d.
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Weiss, Robert, to Sursee-Werke AG. Heating vessels. 3,823,307, 7-9-74, Cl. 219-439.000.
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Weiss, Sam, to United Metal Receptacle Corporation. Advertising frame for use on a waste receptacle. 3,803,738, 4-16-74, Cl. 40-306.000.
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Weiss, Sidney Matthew. Fitted contour no-iron sheet construction. 3,789,441, 2-5-74, Cl. 5-334.000.
Weiss, Sol, to Kline, David T. and International Medical Devices, Inc., mesne. Instrument for performing a tracheostomy and other surgical procedures. 3,817,250, 6-18-74, Cl. 128-305.000.
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Weiss, Werner, to Sabre Saw Chain (1963) Ltd. Process for cold forming a saw chain cutter link. 3,837,241, 9-24-74, Cl. 76-112.000.
Weisse, Guenther K.; Hooks, Haywood, Jr.; Hyde, Gene A.; and Trotz, Samuel I., to Olin Corporation. Adducts of bis-(2-pyridyl-1-oxide)disulfide with alkaline earth metal salts. 3,818,018, 6-18-74, Cl. 260-294.80j.
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Weisz, Paul B.; Chen, Nai Yuen; and Lucki, Stanley J., to Mobil Oil Corporation. Fuel systems for engines. 3,855,980, 12-24-74, Cl. 123-3.000.
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Wenger, Maurice J. Positive lock self-retained fastener. 3,812,756, 5-28-74, Cl. 85-8.800.
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Wenglar, Frank G., to FMC Corporation. Butterfly valve stem seal energizer. 3,784,157, 1-8-74, Cl. 251-306.000.
Wengrow, Henry R.; Stoufer, Wilmer B.; Morris, Charles W.; Leavens, Dwight E.; and Watkins, Gerald S., to SCM Corporation. Recovery of fatty acids from tall oil heads. 3,804,819, 4-16-74, Cl. 260-97.600.
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Weninger, Gerhard, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. High power electric discharge lamp with cooled base assembly. 3,816,784, 6-11-74, Cl. 313-32.000.
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Wennerberg, Arnold N., to Standard Oil Company. Process for production of polyarylenes. 3,829,518, 8-13-74, Cl. 260-670.000.
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Wentworth, Donald L., to Communications Satellite Corporation. Spacecraft body with roller mechanism for deployable-retractable thin film solar array. 3,785,590, 1-15-74, Cl. 244-1.0ss.
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Wentworth, Stanley E., to United States of America, Army. Preparation of 1,4-bis (phenylglyoxaloyl) benzene. 3,829,497, 8-13-74, Cl. 260-590.000.
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Werdehausen, Achim; and Weiss, Herbert, to Henkel & Cie., GmbH. Preparation of carboxylic acid amides. 3,801,610, 4-2-74, Cl. 260-404.000.
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Werneke, Michael Francis, to American Cyanamid Company. Flotation process for recovering molybdenum. 3,788,467, 1-29-74, Cl. 209-167.000.

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Wernli, Andreas, to General Electric Company. Noise detector circuit. 3,783,387, 1-1-74, Cl. 325-348.000.

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Wernli, Max, to Fischer, Georg, Aktiengesellschaft. Tiltable foundry converter for treatment and storage of molten metal. 3,784,178, 1-8-74, Cl. 266-38.000.

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Werter, Jay P. Au. Fluid pressure reducing valve. 3,794,062, 2-26-74, Cl. 137-488.000.

Werth, Carl H. Tool arm structure. 3,812,747, 5-28-74, Cl. 82-36.00r.

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Werth, John J., to ESB Incorporated. Alkali metal-porous conductive carbon battery having a molten alkali metal chloraluminate electrolyte. 3,847,667, 11-12-74, Cl. 136-6.0fs.

Wertheimer, Harry P., to Bendix Corporation, The. Exhaust gas recirculation flow control system. 3,814,070, 6-4-74, Cl. 123-119.00a.

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Werther, Karl G. Boring bar. 3,841,785, 10-15-74, Cl. 408-197.000.

Werts, Arthur P., III, to Eastman Kodak Company. Stabilization of hydroquinone solutions with citric acid. 3,855,150, 12-17-74, Cl. 252-404.000.

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Werts, Walter C.; and Werts, Dwaine E. Dozer blade assembly for tractors. 3,800,882, 4-2-74, Cl. 172-273.000.

Wertz, C. Kenneth. Film display apparatus. 3,811,762, 5-21-74, Cl. 353-26.000.

Wertz, William I.; and Richardson, Stanley H., to Union Carbide Corporation. Rubber compositions containing a heat hardenable phenolic rasin based on a mixture of a dihydroxy diphenyl alkane and a para-substituted alkyl phenol. 3,851,012, 11-26-74, Cl. 260845.000.

Werych, Ewald R., to Sola Basic Industries, Inc. Rectangular tube diffusion furnace. 3,804,967, 4-16-74, Cl. 13-22.000.

Werz, Siegfried; and Zanner, Johann, Jr., to Agfa-Gevaert Aktiengesellschaft. Motion picture camera with fading means. 3,790,263, 2-5-74, Cl. 352-91.000.

Werz, Siegfried; and Zanner, Johann, Jr., to Agfa-Gevaert Aktiengesellschaft. Motion picture camera with fading means. 3,815,981, 6-11-74, Cl. 352-91.00s.

Werz, Siegfried; and Zanner, Johann, Jr., to AGFA-Gevaert Aktiengesellschaft. Macro-zoom lens system. 3,851,952, 12-3-74, Cl. 350-187.000.

Werzner, William F.; and Miller, James R., to Shell Oil Company. 1- and 3- substituted (3,5-di-t-butyl-4-hydroxy benzyl) carbazole. 3,822,284, 7-2-74, Cl. 260-315.000.

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Wesley, Robert B. Oxygen-hydrogen generation and sewage treatment method and system. 3,829,368, 8-13-74, Cl. 204-149.000.

Wesley, Wallace M. Tooth cleaning appliance and methods of manufacturing same. 3,802,445, 4-9-74, Cl. 132-89.000.

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Wessel, Otto. Equipment for extrusion. 3,805,574, 4-23-74, Cl. 72-253.000.

Wessel, Otto, to Mannesmann Aktiengesellschaft. Method of making tools by impregnating a steel skeleton with a carbide, nitride or oxide precursor. 3,837,848, 9-24-74, Cl. 75-203.000.

Wessel, Per Christian; and Eldby, Per, to Kvaerner Brug A/S. Folding cover system for hatches. 3,811,396, 5-21-74, Cl. 114-201.00r.

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Wesselink, Gustaaf Adolf; and Roelofs, Hendrik, to U.S. Philips Corporation. Halogen containing high-pressure mercury vapor discharge lamp. 3,852,630, 12-3-74, Cl. 313-228.000.

Wessells, Forrest A.; and Conrey, John P., to Grace, W. R., & Co. Apparatus for layering a liquid composition. 3,782,327, 1-1-74, Cl. 118-100.000.

Wessels, Glenn R., to Dow Chemical Company, The. Apparatus for sample liquids. 3,826,144, 7-30-74, Cl. 73-425.40.

Wessely, Johann, to Dow Corning Corporation. Coating for preventing the fouling of ships' parts by maritime organisms. 3,817,759, 6-18-74, Cl. 196-15.0af.

Wessendorf, Theodore Ralph; and Criscione, John Michael, to Union Carbide Corporation. Carbonaceous fabric laminate. 3,844,877, 10-29-74, Cl. 161-156.000.

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Wesson, Richard A.; and Platter, Sandford, to Semi, Inc., mesne and Jarratt, Robert L., Trustee; in bankruptcy for Semiconductor Electronic Memories, Inc. Isothermal boat container. 3,811,829, 5-21-74, Cl. 432-253.000.

West, Barry R. Modular cooling enclosure with expandable cooling cells. 3,833,837, 9-3-74, Cl. 317-100.000.

West, Benjamin W., to California Controls Company. Block and vent valve. 3,788,350, 1-29-74, Cl. 137-596.180.

West, Benjamin W.; d/b/a California Controls Company: *See—*
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West, Charles M.; Graham, Glen H.; and Kennedy, James S., to Dow Chemical Company, The. Inherently flexible, high strength sheeting from blends of a suspension chlorinated olefin polymer and post-chlorinated polyvinyl. 3,856,891, 12-24-74, Cl. 260-897.00c.

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West, Clarence Austin, to RCA Corporation. Heater-cathode insulation leakage test method and apparatus. 3,801,892, 4-2-74, Cl. 324-20.000.

West, Clarence W. Air pollution control system for food processing apparatus. 3,805,686, 4-23-74, Cl. 99-352.000.

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West, Harold H., to Robbins Company, The. Drive head assembly for an earth drilling machine. 3,800,887, 4-2-74, Cl. 173-57.000.
West, Harry Bowman, to Du Pont de Nemours, E. I., and Company. Preparation of compositions containing trans-acid complexes with chromium (III) nitrate. 3,843,699, 10-22-74, Cl. 260-438.50r.
West, Herman H.; and Nofsinger, Ralph G., to Singer Company, The. Slidable drawer construction. 3,804,484, 4-16-74, Cl. 312-347.000.
West, James C., to Goodyear Tire & Rubber Company, The. Composite structure and method of preparing the composite structure. 3,813,257, 5-28-74, Cl. 117-47.00r.
West, James E., to Hoover Ball and Bearing Company. Bearing seal assembly. 3,854,734, 12-17-74, Cl. 277-170.000.
West, James I., Jr., to Charter Enterprises, Inc. Protective barrier. 3,788,086, 1-29-74, Cl. 61-41.00a.
West, James I., Jr. Incinerating commode. 3,816,857, 6-18-74, Cl. 4-131.000.
West, James I., Jr. Incinerating commode. 3,855,645, 12-24-74, Cl. 4-131.000.
West, John M., to Combustion Engineering Inc. Reactor-fuel assembly hold down. 3,801,734, 4-2-74, Cl. 176-50.000.
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West, Michael Anthony, to Royal Institution of Great Britain, The. Sample identification by measurement of wavelength of luminescence utilizing plasma discharge lamp excitation and continuous interference filter. 3,787,695, 1-22-74, Cl. 250-365.000.
West, Neil L.; and Nelson, James Roger, to Deere & Company. Engine enclosure and cooling system with rotary filter. 3,837,149, 9-24-74, Cl. 55-269.000.
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West, Robert C.; and Penberthy, Walter L., Jr., to Esso Production Research Company. Thermal oil recovery technique. 3,782,470, 1-1-74, Cl. 166-303.000.
West, Robert F., to Stanley Works, The. Disposable drill guide and method for drilling workpieces. 3,851,990, 12-3-74, Cl. 408-1.000.
West, Thomas Douglas, to Tri-State Oil Tool Industries, Inc. Apparatus for rotary drilling. 3,848,684, 11-19-74, Cl. 175-195.000.
West, Thomas G.; Collins, James R.; and Broski, Thomas J., to General Electric Company. Direct current energization of gaseous discharge lamps. 3,801,867, 4-2-74, Cl. 315-241.00r.
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Westall, Edward B.; Scanlan, James J.; and Sahaydak, Miroslaw, said Scanlan and said Sahaydak assors. to Warner-Lambert Company. Flavor preservation in chewing gum compositions and candy products. 3,821,417, 6-28-74, Cl. 426-3.000.
Westall, Edward B.; Scanlan, James J.; and Sahaydak, Miroslaw, to Warner-Lambert Company. Flavor preservation in sugarless chewing gum compositions and candy products. 3,857,962, 12-31-74, Cl. 426-3.000.
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Westberg, Alvar Torsten, to Sandvik Aktiebolag. Pipe couplings. 3,794,361, 2-26-74, Cl. 285-336.000.
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Westbrook, Richard W. Apparatus for repairing valve guide openings in cylinder heads. 3,800,391, 4-2-74, Cl. 29-225.000.
Westbrook, Virgil H. Pumping unit safety guard. 3,789,679, 2-5-74, Cl. 74-41.000.
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Westenberg, Martin. Method and arrangement for conveying particulate material from a lower level to an upper level. 3,794,388, 2-26-74, Cl. 302-58.000.
Westenberger, Walter. High pressure dosing apparatus, especially for grinding and polishing machines. 3,813,044, 5-28-74, Cl. 239-533.000.
Westendorp, Frans Frederik; Luiten, Willem; and De Kort, Gijsbertus Maria Arnolds Josephus, to U.S. Philips Corporation. High-density high-energy anisotropically permanent magnet. 3,821,034, 6-28-74, Cl. 148-31.570.
Westenholz, Sven Torben; and Kristiansen, Svend Helge, to Nordisk Ventilator Co. A/S. Apparatus for permeating an auditorium with odours in conjunction with projection of a motion picture film. 3,795,438, 3-5-74, Cl. 352-85.000.
Westenkirshner, Frank A.; and Rempes, Paul E., Jr., to Champion Spark Plug Company. Spark plug. 3,790,842, 2-5-74, Cl. 313-118.000.
Westenrieder, Georg K.; and Ruffolo, James C., to Union Tank Car Company. Ball valve. 3,795,385, 3-5-74, Cl. 251-170.000.
Wester, Aaron H., to Texas Instruments Incorporated. General-purpose array processor. 3,815,095, 6-4-74, Cl. 340-172.500.
Westerbarkey, Leonhard, to Westaflexwerk L. & F. Westerbarkey, Firma. Corrugated tubing. 3,815,639, 6-11-74, Cl. 138-135.000.
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Westeren, Herbert W.; Vanderford, Wallace S., Jr.; Diman, William C.; and Scotto, Vincent, to Hayes, C. I., Inc. Continuously operated vacuum furnace having work part transfer conveyor and load unload. 3,782,705, 1-1-74, Cl. 266-5.00r.
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Westergren, George A.; Koland, David G.; and Eggert, Thomas F., to Whirlpool Corporation. Canister vacuum cleaner latching means. 3,812,659, 5-28-74, Cl. 55-375.000.
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Westerman, Hulan. Apparatus for skimming floating pollution from a liquid surface. 3,849,308, 11-19-74, Cl. 210-98.000.
Westermann, Arthur R. Lightweight luggage carrier for bicycles. 3,837,546, 9-24-74, Cl. 224-35.000.
Westermann, Donald H.; Chicoye, Etzer; and Hoffmann, Darrell R., to Miller Brewing Company. Preparation of hop extracts and use in beer making operation. 3,798,332, 3-19-74, Cl. 426-29.000.
Westermann, Peter Henry, to BP Chemicals, Limited. Thermosetting molding composition comprising high vinyl butadiene polymer. 3,793,260, 2-19-74, Cl. 260-879.000.
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Wheatley, Carl Franklin, Jr., to RCA Corporation. Current translating circuits. 3,815,037, 6-4-74, Cl. 330-19.000.

Wheatley, Carl Franklin, Jr.; and Einthoven, Willem Gerard, to RCA Corporation. Semiconductor darlington circuit. 3,836,995, 9-17-74, Cl. 357-46.000.

Wheatley, Carl Franklin, Jr., to RCA Corporation. Temperature dependent voltage reference circuit. 3,851,241, 11-26-74, Cl. 323-8.000.

Wheatley, Charles; and Wheatley, Charles, Inc. Wafer with check valve. 3,817,277, 6-18-74, Cl. 137-515.700.

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Wheaton, Donald S. Baking pan assembly. 3,831,507, 8-27-74, Cl. 99-428.000.

Wheaton, Frank H., III, to Wheaton Industries, Inc. Compartmented tray. 3,802,592, 4-9-74, Cl. 220-23.400.

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Wheeler, Alton D. Portable sign construction. 3,852,902, 12-10-74, Cl. 40-129.00r.

Wheeler, Bryce A., to Hughes Aircraft Company. Dual imaging concentric optics. 3,827,778, 8-6-74, Cl. 350-55.000.

Wheeler, Bryce A., to Hughes Aircraft Company. Receive and display optical raster scan generator. 3,829,192, 8-13-74, Cl. 350-7.000.

Wheeler, Claud R.; and Freebourn, Norbert E., to Broderick & Bascom Rope Company. Wheeled vehicle tie-down device. 3,841,235, 10-15-74, Cl. 105-368.00t.

Wheeler, Clayton A.: *See—*
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Wheeler, Dale Kenneth, to Black and Decker Manufacturing Company, The. Method of assembling an electric motor device and heat sink. 3,824,684, 7-23-74, Cl. 29-596.000.

Wheeler, Donald J.; and Lohrenz, Victor, to Guild Metal Joining Equipment Company. Strip shearing and welding apparatus. 3,816,696, 6-11-74, Cl. 219-124.000.

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Wheeler, Floyd J., Jr.: *See—*
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Wheeler, Frederick Charles, to Staples Developments Limited. Electric battery charger. 3,809,993, 5-7-74, Cl. 320-25.000.

Wheeler, Harold A., to Hazeltine Corporation. Antenna system having a reflector with a substantially open construction. 3,836,977, 9-17-74, Cl. 343-815.000.

Wheeler, Harold E. Tool holder for boring and turning polygonal shaped surfaces. 3,813,969, 6-4-74, Cl. 82-19.000.

Wheeler, Harvey B.; Andrews, Anthony S.; and Schlademan, James A., to Neville Chemical Company. Production of hydrocarbon resin compositions from alpha-methyl styrene, indene and vinyl toluene. 3,799,913, 3-26-74, Cl. 260-80.780.

Wheeler, James E., to General Electric Company. Shot volume control for injection molding machine. 3,822,057, 7-2-74, Cl. 259-191.000.

Wheeler, James E., to Bethlehem Steel Corporation. Method and device for retaining material within a plunging bell. 3,827,680, 8-6-74, Cl. 266-34.00t.

Wheeler, Kenneth R.; Sump, Kenneth R.; and Karagianes, Manuel T., to Battelle Memorial Institute. Void metal composite material and method. 3,852,045, 12-3-74, Cl. 29-182.000.

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Wheeler, Lloyd N., to Rohr Industries, Inc. Nutplate reveting attachment device. 3,802,053, 4-9-74, Cl. 29-243.540.

Wheeler, Marshall L., Jr., to Union Carbide Corporation. Olefinic silicone-organic graft copolymers. 3,836,598, 9-17-74, Cl. 260-827.000.

Wheeler, Raymond Ralph. Carrier for wire garment hangers. 3,804,310, 4-16-74, Cl. 224-45.00t.

Wheeler, Roy K.: *See—*
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Wheeler, Willard L. Tone changing and tone marking apparatus for guitars. 3,785,238, 1-15-74, Cl. 84-312.000.

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Wheelock, Edward A., to Crane Packing Company. High pressure lip seal. 3,829,106, 8-13-74, Cl. 277-205.000.

Wheelock, George L., to Goodrich, B. F., Company, The. Process for impregnating non-wovens with butadiene carboxyl polymer latices. 3,784,401, 1-8-74, Cl. 117-62.200.

Wheelock, George L., to Goodrich, B. F., Company, The. Impregnating nonwovens with an alkyl acrylate polymer-carboxylic polymer latex. 3,788,878, 1-29-74, Cl. 117-62.200.

Wheelock, George L., to Goodrich, B. F., Company, The. Process for impregnating nonwovens with alkyl acrylate-carboxyl latices. 3,793,057, 2-19-74, Cl. 117-62.200.

Wheelock, George L., to Goodrich, B. F., Company, The. Impregnating nonwovens with latexes of a butadiene polymer and a carboxyl polymer. 3,822,143, 7-2-74, Cl. 117-62.200.
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Whelan, Edward J., to Sun Chemical Corporation. Apparatus for radiation-curing of coating on multi-sided object. 3,840,999, 10-15-74, Cl. 34-105.000.
Whelan, James A.; Henry, James R.; and White, Horace H., to Pineville Kraft Corporation. Apparatus for gravity separation of immiscible fluids. 3,804,261, 4-16-74, Cl. 210-519.000.
Whelan, James E., to General Motors Corporation. Piston air compressor for air assist shock absorber. 3,784,333, 1-8-74, Cl. 417-383.000.
Whelan, James E., to General Motors Corporation. Fluid powered air compressor. 3,790,310, 2-5-74, Cl. 417-388.000.
Whelan, James E., to General Motors Corporation. Hydraulic leveling control system. 3,835,949, 9-17-74, Cl. 180-41.000.
Whelan, James E., to General Motors Corporation. Hydraulic leveler with exhaust only height control valve. 3,844,543, 10-29-74, Cl. 267-64.000.
Whelan, James M.; and Greene, Joseph E. Sputtering method and apparatus for quantitative and qualitative analysis of materials. 3,809,479, 5-7-74, Cl. 356-85.000.
Whelan, James M., to University of Southern California. Flowmeter. 3,853,144, 12-10-74, Cl. 137-608.000.
Whelan, John C., to California Pellet Mill Company, mesne. Process of treating cereal grain. 3,796,807, 3-12-74, Cl. 426-468.000.
Whelan, Kenneth, to American Cyanamid Company. Chocolate flavored beverages containing cocoa and dioctyl sodium sulfosuccinate. 3,806,607, 4-23-74, Cl. 426-172.000.
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Whetstone, Albert L.; Fine, Samuel; and Banks, William, to Amperex Electronic Corporation, mesne. Graphical data device. 3,838,212, 9-24-74, Cl. 178-18.000.
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Whitaker, Reginald L.; and Smith, Herbert Q., to Pennwalt Corporation. 3,5-Dichloro-2-pyridoxyethyl ethers as herbicides. 3,814,774, 6-4-74, Cl. 260-297.00r.
Whitaker, Willard H. Bathtub hoist and transfer device. 3,852,835, 12-10-74, Cl. 4-185.001.
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White, Allen A.; Garrison, Harold Keith; and Brooks, Dean P., to Hesston Corporation. Machine for loading, stacking and unloading crops. 3,842,730, 10-22-74, Cl. 100-245.000.

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White, Dwain M., to General Electric Company. Polyacetylene terpolymers and plasticized polyacetylene blends. 3,821,153, 6-28-74, Cl. 260-33.6ua.
White, Dwain M., to General Electric Company. Method For making polyetherimide. 3,852,242, 12-3-74, Cl. 260-490,00z.
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White, John E.; and Smialek, Robert L., to General Electric Company. High intensity lamp with cermet igniter. 3,840,768, 10-8-74, Cl. 313-208.000.
White, John R., to Uniroyal, Inc. Safety footwear and manufacture thereof. 3,805,419, 4-23-74, Cl. 36-77.00r.
White, John R., to Uniroyal, Inc. Safety footwear and manufacture thereof. 3,837,026, 9-24-74, Cl. 12-146.00d.
White, John U. Spectroradiometric apparatus and method for measuring radiation. 3,817,633, 6-18-74, Cl. 356-97.000.
White, John U. Apparatus for measuring luminescent radiation. 3,825,762, 7-23-74, Cl. 250-458.000.
White, Joseph, to Compoflex Company Limited. Flexible hose. 3,835,891, 9-17-74, Cl. 138-125.000.
White, Kenneth M., to Western Rock Bit Company Limited. Roller reamer stabilizer. 3,820,613, 6-28-74, Cl. 175-337.000.

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White, Marvin H.; and Strull, Gene, to Westinghouse Electric Corporation. Charge coupled device area imaging array. 3,826,926, 7-30-74, Cl. 307-221.000.
White, Marvin H.; O'Sullivan, David D.; and Hamel, Richard G., to Westinghouse Electric Corporation. Electronic fuze system. 3,851,531, 12-3-74, Cl. 73-510.000.
White, Matthew B.; and Gerber, Wesley Duane, to Philco-Ford Corporation. Electro-optically induced weak coupling of adjacent carbon dioxide laser modes. 3,790,901, 2-5-74, Cl. 331-94.500.
White, Maurice A.: *See—*
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White, Neil S.; Mansfield, Donald R.; and Matthews, Noel H., to Eastman Kodak Company. Roll drive mechanism. 3,851,834, 12-3-74, Cl. 242-68.300.
White, Newell J., to Phillips Petroleum Company. Grid plate. 3,829,983, 8-20-74, Cl. 34-57.00a.
White, Norman S. Antral catheter for reduction of fractures. 3,800,788, 4-2-74, Cl. 128-83.000.
White, Paul; and Wilson, Robert H., to Ameco, Inc. Discrete cable television distribution system. 3,798,548, 3-19-74, Cl. 325-309.000.
White, Paul L., to Owens-Illinois, Inc. Closed container with desiccant coating on inside surface thereof. 3,833,406, 9-3-74, Cl. 117-97.000.
White, Percy La Verne. Animal litter. 3,828,731, 8-13-74, Cl. 119-1.000.
White, Peter: *See—*
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White, Philip F.: *See—*
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White, Pritchard H., to Bolt, Beranek and Newman, Inc. Apparatus for fluid flow precision pressure-reduction, and attenuation and diffusion of jet-produced sound without substantial sound regeneration in jet-port arrays, including valves and the like. 3,80,537, 4-9-74, Cl. 181-36.00r.
White, Ralph J.: *See—*
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White, Ralph L., Jr., to Morton-Norwich Products, Inc. 1-(5-(p-Methoxyphenyl)furfurylidene)amino) hydantoin. 3,843,636, 10-22-74, Cl. 260-240.00g.
White, Ralph L., Jr., to Morton-Norwich Products, Inc. 1-(5-(p-Nitro phenyl)furfurylidene) amino)-5,6-dihydrouracil. 3,857,835, 12-31-74, Cl. 260-240.00g.
White, Raymond Charles; and Walker, William Frank. Apparatus for manufacturing leather goods and the like. 3,803,655, 4-16-74, Cl. 12-54.100.
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White, Richard M.; and Goyal, Ramesh Chandra, to United States of America, Navy. Temperature-stabilized transducer device. 3,809,931, 5-7-74, Cl. 310-8.100.
White, Richard P., Jr., to Rochester Applied Science Associates, Inc. Vortex dissipator. 3,845,918, 11-5-74, Cl. 244-41.000.
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White, Robert J.; and Egan, Clark J., to Chevron Research Company. Jet fuel by hydrocracking. 3,808,122, 4-30-74, Cl. 208-59.000.
White, Robert J., to Chevron Research Company. Hydrogen manufacture. 3,823,227, 7-9-74, Cl. 423-655.000.
White, Robert J., to Chevron Research Company. Production of synthesis gas rich in carbon monoxide. 3,850,588, 11-26-74, Cl. 48-209.000.
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White, Roby Byron, to Braxton Corporation. Method for rapidly exciting and sustaining oscillations in a resonant system. 3,826,993, 7-30-74, Cl. 331-1.000.
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White, Rowland Kent; and Lindbeck, Simon Lloyd, to Telex Communications, Inc. Magnetic tape playing and changing apparatus. 3,816,851, 6-11-74, Cl. 360-92.000.
White, Roy A.; and Deanin, Rudolph D., to Commercial Solvents Corporation. Aerosol shaving lather containing an oxazoline homopolymer. 3,821,116, 6-28-74, Cl. 252-90.000.
White, Roy A.; and Margosiak, Stanley A., to De Bell & Richardson, Inc. Outdoor degradable hydrocarbon plastic. 3,847,852, 11-12-74, Cl. 260-23.00h.
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White, Stanley A., to North American Rockwell Corporation. Hilbert transformer. 3,800,131, 3-26-74, Cl. 235-197.000.
White, Stanley A.; and Raper, Hubert L., to North American Rockwell Corporation. Adaptive electronic hybrid transformer. 3,810,182, 5-7-74, Cl. 343-180.000.
White, Stanley A., to Rockwell International Corporation. Data modem with adaptive feedback cancellation of lead-in and trailing transients. 3,829,780, 8-13-74, Cl. 325-42.000.
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White, Warren D., to United States of America, Navy. Low angle radar tracking system. 3,854,135, 12-10-74, Cl. 343-16.00m.
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White, William Paul, to United Kingdom Atomic Authority. Pivots. 3,837,042, 9-24-74, Cl. 16-140.000.

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Whited, Charles A., to Xerox Corporation. Hybrid development of electrostatic latent image. 3,799,113, 3-26-74, Cl. 118-637.000.
Whited, Charles A., to Xerox Corporation. Humidity compensated control device. 3,814,516, 6-4-74, Cl. 355-3.0dd.
Whited, Charles A., to Xerox Corporation. Thermal chamber for developability regulating apparatus. 3,817,616, 6-18-74, Cl. 355-3.0dd.
Whited, Charles A., to Xerox Corporation. Transfer regulating apparatus. 3,822,093, 7-2-74, Cl. 355-3.00r.
Whited, Charles A., to Xerox Corporation. Particle level indicator. 3,834,806, 9-10-74, Cl. 355-3.0dd.
Whited, D. E., to Shell Oil Company. Tape staging bins for data center. 3,788,719, 1-29-74, Cl. 312-198.000.
Whited, James Sidney, to Kollmorgen Corporation. Dynamic brake. 3,786,329, 1-15-74, Cl. 318-379.000.
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Whiteford, Bruce W.; and Whiteford, Thomas F. Postage stamp applicator. 3,802,941, 4-2-74, Cl. 156-442.000.
Whiteford, Bruce W. Apparatus for inverting mailing envelopes. 3,838,771, 10-1-74, Cl. 198-238.000.
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Whitehill, Rex G.; Berchenbriter, Gerald D.; and Jensen, Winton D., to Wickers Corporation. Tensioning devices. 3,825,227, 7-23-74, Cl. 254-161.000.
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Whitehouse, Harper John; and van de Vaart, Herman, to United States of America, Navy. Composite dispersive filter. 3,795,879, 3-5-74, Cl. 333-72.000.
Whitehouse, Hugh L., to Stanley Works, The. Stall torque regulator valve for fluid operated power tool. 3,786,873, 1-22-74, Cl. 173-12.000.
Whitehouse, Hugh L., to Stanley Works, The. Power tool torque indicating device. 3,844,169, 10-29-74, Cl. 73-136.00a.
Whitehouse, James W., to Continental Oil Company. Bow liquid cargo handling system. 3,844,240, 10-29-74, Cl. 114-74.00r.
Whitehouse Joseph Colin; and Wild, Colin Arthur, to Rank Organisation, Limited, The. Electronic switching apparatus. 3,786,278, 1-15-74, Cl. 307-252.00f.
Whitehouse, Joseph Colin, to Rank Organisation Limited, The. Servomechanisms that decelerates properly on approach to limit of travel. 3,795,853, 3-5-74, Cl. 318-618.000.
Whitehouse, Joseph Colin, to Rank Organisation Limited, The. Camera lens control mechanism. 3,798,517, 3-19-74, Cl. 316-3.000.
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Whitehurst, Darrell Duayne; Butter, Stephen Alan; and Rodewald, Paul Gerhard, Jr., to Mobil Oil Corporation. Sorbent for removal of heavy metals. 3,791,968, 2-12-74, Cl. 208-251.000.
Whitehurst, Darrell Duayne, to Mobil Oil Corporation. Sorbent for heavy metals. 3,856,664, 12-24-74, Cl. 208-253.000.
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Whitfield, Edwin W., to Sperry Rand Corporation. Laser data transmitter with wide frequency bandwidth. 3,814,929, 6-4-74, Cl. 250-199.000.
Whitfield, James Jr., to Owens-Corning Fiberglas Corporation. Apparatus for producing glass fibers having insulating material with a refractory fabric. 3,840,358, 10-8-74, Cl. 65-1.000.
Whitfield, Joseph A., to Caterpillar Tractor Company. Multidirectional panel adjustment means. 3,845,981, 11-5-74, Cl. 296-28.00c.
Whitfield, Willis C. Fishing rod and reel assembly holder. 3,835,568, 9-17-74, Cl. 43-17.000.
Whitfill, William A., Jr., to Schlumberger Technology Corporation. Method for pre-stressing armored well logging cable. 3,784,732, 1-8-74, Cl. 174-108.000.
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Whitledge, Jon K.; and Kavick, Edward M., to Moore, Samuel, & Company. Coupling attachment device. 3,785,050, 1-15-74, Cl. 30-237.000.
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Whitley, Andrew. Tobacco primer. 3,845,609, 11-5-74, Cl. 56-27.500.
Whitley, Ernest M.; Beaman, Don L.; and McCombie, William S., to Redlake Corporation. Data recording camera. 3,783,763, 1-8-74, Cl. .
Whitley, Ernest M.; Beaman, Don L.; and McCombie, William S. Data recording camera. 3,854,142, 12-10-74, Cl. 354-173.000.
Whitley, James Brooks; and Abercrombie, William Floyd, Jr., to Huber, J. M., Corporation. Process for manufacturing calcined kaolinitic clay products. 3,798,044, 3-19-74, Cl. 106-288.00b.
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Whitman, Harlan M., to United States Envelope Company. Mailing bag. 3,818,963, 6-25-74, Cl. 150-15.000.
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Whitman, Marcus E. Package for electronic semiconductor devices. 3,848,077, 11-12-74, Cl. 174-525.000.
Whitman, Nelson, to General Electric Company. Acoustic flame detectors for steam generators. 3,811,816, 5-21-74, Cl. 431-75.000.
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Whitman, Robert Henry; and Leyman, Edward, to American Cyanamid Company. Catalyst for the elimination of pollutants in exhaust gases; catalyst resistant to sulfur poisoning; catalyst containing an even distribution of promoters. 3,819,533, 6-25-74, Cl. 252455.00r.
Whitman, Robert Henry; and Lento, Louis Leonard, Jr., to American Cyanamid Company. Catalyst for emilination of pollutants in auto-exhaust gas. 3,819,534, 6-25-74, Cl. 252-457.000.
Whitman, Robert S. Illuminating attachments for vaginal speculum. 3,789,835, 2-5-74, Cl. 128-18.000.
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Whitney, John K. Fluid containing mattress. 3,802,004, 4-9-74, Cl. 5-348.0wb.
Whitney, John K. Fluid containing mattress. 3,842,455, 10-22-74, Cl. 5-348.0wb.
Whitney, Karl R., Jr. Chess game for two, three or four players. 3,843,130, 10-22-74, Cl. 273-131.0kp.
Whitney, Paul V., Jr.; Bolen, Robert J.; and Cotter, William W., Jr., to Remington Arms Company, Inc. Method for producing armored rod and wire saws. 3,854,898, 12-17-74, Cl. 51-295.000.
Whitney, Robert W.: *See—*
Apsell, Sheldon P.; Johnson, Olof C., Jr.; and Whitney, Robert W., 3,846,783.
Whitney, Robert W. Air circulation system for a refrigerator display case. 3,848,426, 11-19-74, Cl. 62-255.000.
Whitney, Solon G., to Texaco Inc. Folding bottom core sampler. 3,805,898, 4-23-74, Cl. 175-5.000.
Whitney, Thomas A.: *See—*
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Whitney, Thomas A.; and Langer, Arthur W., Jr., to Esso Research and Engineering Company. Preparation of aromatic compounds via benzyne intermediates. 3,787,496, 1-22-74, Cl. 260-577.000.
Whitney, Thomas A., to Exxon Research and Engineering Company. Hydrocarbon gels. 3,855,137, 12-17-74, Cl. 252-62.520.
Whitney, Virginia E.: *See—*
Reale, Salvatore J.; Eich, Clarence C.; Van Dyke, Walter J.; Dave, Rajnikant P.; and Whitney, Gilbert C., 3,799,123.
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Whitney, William G.; and Muesing, Lawrence, to Whitney, W. G., Corporation. Sanitary urine collector. 3,811,136, 5-21-74, Cl. 4-110.000.
Whiton, Alfred Case: *See—*
Dohany, Julius Eugene; and Whiton, Alfred Case, 3,790,540.
Whiton, Alfred Case, to Pennwalt Corporation. Copolyamides from M- and P-xylylene diaminesanoan aliphatic dibasic acid mixture. 3,803,102, 4-9-74, Cl. 260-78.00r.
Whitsett, Jack W. Scraping blade. 3,790,982, 2-12-74, Cl. 15-236.0no.
Whitsett, Jack W. Scraping blade assembly. 3,790,983, 2-12-74, Cl. 15-236.0no.
Whitson, Bob L.: *See—*
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Whittaker, Alvin. Shoulder strap bag. 3,831,649, 8-27-74, Cl. 150-1.700.
Whittaker Corporation: *See—*
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Chase, Vance A., 3,837,985.
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Lane, Noel W., Jr., 3,806,927.
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Whittaker, Dewey E.: *See—*
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Whittaker, Gary L., to Xerox Corporation. Contrast control in electrostatic copying utilizing liquid development. 3,817,748, 6-18-74, Cl. 96-1.00r.
Whittaker, Harold, to Carding Specialists Co., Limited. Yarn wrap detector assembly with butterfly type sensor and switch actuator. 3,790,728, 2-5-74, Cl. 200-61.180.
Whittaker, Harold, to Carding Specialists Co., Limited. Yarn heaters. 3,843,868, 10-22-74, Cl. 219-470.000.
Whittaker, Mack P.: *See—*
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Grindstaff, Lloyd I.; and Whittaker, Mack P., 3,842,165.

Whittaker, Mack P.; and Grindstaff, Lloyd I., to Great Lakes Carbon Corporation. Production of highly ordered graphite particles. 3,812,240, 5-21-74, Cl. 423-448.000.
Whittaker, Mark P.; and Grindstaff, Lloyd I., to Great Lakes Carbon Corporation. Production of activated carbon from rubber and a carbonaceous binder. 3,822,218, 7-2-74, Cl. 252-421.000.
Whittaker, Ralph E., Jr.: *See—*
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Whittaker, Stanley James; Astill, Cyril J.; and Janzen, Peter, to Atomic Energy of Canada Limited. Valve assembly. 3,826,465, 7-30-74, Cl. 251-335.00b.
Whittaker, Thomas H. Windshield wash water heater. 3,785,359, 1-15-74, Cl. 126-19.500.
Whitten, Derrill G., to Shell Oil Company. Down-dip steam injection for oil recovery. 3,795,278, 3-5-74, Cl. 166-303.000.
Whitten, Frank R.: *See—*
Urbanosky, Harold J.; and Whitten, Frank R., 3,813,936.
Whitten, Frank R., to Schlumberger Technology Corporation. Apparatus for testing earth formations. 3,782,191, 1-1-74, Cl. 73-155.000.
Whitten, Gary Z.; and Rowe, Donald H., to Shell Oil Company. Jet Fuel process. 3,827,970, 8-6-74, Cl. 208-93.000.
Whittier, Carl H., to Dynarad, Inc. Unitary thermal reference source. 3,857,017, 12-24-74, Cl. 219-501.000.
Whittier, Clyde. Variably adjustable ditching implement. 3,846,923, 11-12-74, Cl. 37-98.000.
Whittier Corporation: *See—*
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Whittington, J. Mark C.; Meyer, John E.; and Tingle, Glenn D., to GAF Corporation. Oil absorbent foamed silicate for oil pollution control. 3,843,306, 10-22-74, Cl. 431-8.000.
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Whittum, Warren C.: *See—*
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Whitty, Albert J. Small animal feeder. 3,853,096, 12-10-74, Cl. 119-18.000.
Whitty, Albert J., to Sinai Hospital of Detroit. Apparatus for inserting a syringe needle into a vial. 3,853,158, 12-10-74, Cl. 141-27.000.
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Whorton, Robert B., III, to Beverage-Air Sales Company. Closure for refrigerated housing. 3,790,243, 2-5-74, Cl. 312-214.000.
Whyte, Albert J., to Standard International Corporation. Adjustable bed rails. 3,823,428, 7-16-74, Cl. 5-331.000.
Whyte, Donald E.: *See—*
Thornton, James C.; and Whyte, Donald E., 3,790,081.
Whyte, Francis. Shoe for surgical cast. 3,800,376, 4-2-74, Cl. 128-83.500.
Whyte, James Lyon, to Imperial Chemical Industries Limited. Colouration of polymeric materials. 3,846,369, 11-5-74, Cl. 260-40.00r.
Whyzmuzis, Paul D.: *See—*
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Wibben, Hans O. Electric hot dog apparatus. 3,796,983, 3-12-74, Cl. 339-40.000.
Wiberg, Ole. Furniture assembly. 3,827,751, 8-6-74, Cl. 297-440.000.
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Wichers, Robert A. Film-mount assembly. 3,814,518, 6-4-74, Cl. 355-75.000.
Wichinsky, Michael; and Laughton, Charles. Scoring devices for games. 3,805,030, 4-16-74, Cl. 235-92.0ga.
Wichinsky, Michael; and Laughton, Charles. Race game with preference for random winner related to randomly selected odds. 3,815,912, 6-11-74, Cl. 273-86.00f.
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Wicht, Paul; and Volken, Kurt, to Linza Ltd. Mortar composition with vinyl chloride polymeric adhesion promoting agent. 3,833,530, 9-3-74, Cl. 260-29.60s.
Wichtel, Alejandro, to Yarway Corporation. Pilot-operated steam traps. 3,790,076, 2-5-74, Cl. 236-54.000.
Wichterle, Otto; and Kresa, Zdenek, to Ceskoslovenska Akademie Ved. Laryngeal implant. 3,818,894, 6-25-74, Cl. 128-1.00r.
Wichterle, Otto, to Ceskoslovenska akademie ved. Contact lens blank or replica made from anhydrous, sparingly cross-linked hydrophilic copolymers. 3,822,089, 7-2-74, Cl. 351-160.000.
Wichterle, Otto; and Kliment, Karel, to Ceskoslovenska akademie ved. Method of making hydrogel laminates. 3,825,458, 7-23-74, Cl. 156-242.000.
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Wick, Reyburn; and Travor, Bruce, to United States of America, Army. Penetrating arrangement. 3,782,239, 1-1-74, Cl. 86-1.00a.
Wick, Richard; Pfeifer, Josef; and Hofmann, Wilfried, to Agfa-Gevaert Aktiengesellschaft. Arrangement for recording alpha-numeric symbols. 3,792,483, 2-12-74, Cl. 354-7.000.
Wick, Richard; and Winkler, Alfred, to Agfa-Gevaert Aktiengesellschaft. Cassette with photographic roll film. 3,815,147, 6-4-74, Cl. 354-203.000.
Wick, Richard; Meyer, Rudolf; and Hoffmann, Klaus, to Agfa-Gevaert Aktiengesellschaft. Continuous ink-jet recording. 3,828,355, 8-6-74, Cl. 346-75.000.
Wick, Richard; Winkler, Alfred; and Wagensonner, Eduard, to Agfa-Gevaert Aktiengesellschaft. Closed-loop diaphragm adjustment mechanism for a camera. 3,833,913, 9-3-74, Cl. 354-42.000.
Wickam, Irwin Edward; and Perkins, Jerry K., to Speed King Manufacturing Company, Inc. Automatic crate filler. 3,825,106, 7-23-74, Cl. 198-101.000.
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Wicke, Charles H., to ACF Industries, Incorporated. Heat responsive safety device for manual gate valve operators. 3,842,854, 10-22-74, Cl. 137-77.000.
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Osbond, John Mervyn; and Wickens, James Charles, 3,814,805.
Osbond, John Mervyn; and Wickens, James Charles, 3,857,872.

Wicker, Ralph C., to American Bank Note Company, mesne. Method and apparatus for hiding and viewing halftone images. 3,784,289, 1-8-74, Cl. 350-321.000.

Wicker, Walter, to Staubli Ltd. Reading mechanism of a dobby. 3,848,643, 11-19-74, Cl. 139-68.000.

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Wickers Corporation: *See—*
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Wickersheim, Kenneth A.; and Buchanan, Robert A., to Lockheed Aircraft Corporation. Laser devices and compositions. 3,833,862, 9-3-74, Cl. 331-94.50f.

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Jacobi, John A.; and Sedlar, Anthony E., 3,832,919.

Wickham, David John; and Hall, John Lewis, to Westinghouse Brake and Signal Company Limited. Valve means. 3,799,498, 3-26-74, Cl. 251-129.000.

Wickham, David John; and Coleman, John Dale, to Westinghouse Brake and Signal Company, Limited. Controlling railway vehicle brakes. 3,799,623, 3-26-74, Cl. 303-204.000.

Wickham, Gordon: *See—*
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Wickum, Jay A.: *See—*
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Wiczer, Max. Joint side wheel and rear leg control means for hand-propelled carts. 3,782,749, 1-1-74, Cl. 280-36.00c.

Wiczer, Max. Lock anti-pick device. 3,834,198, 9-10-74, Cl. 70-208.000.

Wiczer, Sol B.: *See—*
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Widauer, Josef Olav; Lang, Konrad; Baum, Laszlo; and Szabo, Suzanne, to Medichemie A.G. Choleretically active esters and salts of bile acids. 3,846,411, 11-5-74, Cl. 260-239.500.

Widde-Glaser, Inc.: *See—*
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Widdel, John E. Pizza pie crust device. 3,814,005, 6-4-74, Cl. 99-349.000.

Widder Corporation: *See—*
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Widdifield, Garth E. Method and apparatus for mounting hair. 3,811,425, 5-21-74, Cl. 128-1.000.

Widdig, Arno; Sasse, Klaus; Grewe, Ferdinand; Scheinpflug, Hans; Frohberger, Paul-Ernst; and Kaspers, Helmut, to Bayer Aktiengesellschaft. Combating fungi with substituted carbamyl-carbamidyl-benzimidazole-2-yl-carbamic acid esters. 3,803,318, 4-9-74, Cl. 24-273.000.

Widdig, Arno; Kuhle, Englebert; Grewe, Ferdinand; Kaspers, Helmut; Scheinpflug, Hans; and Frohberger, Paul-Ernst, to Bayer Aktiengesellschaft. Substituted ureidophenylguanidines. 3,828,094, 8-6-74, Cl. 260-471.00c.

Widdig, Arno; Kuhle, Engelbert; and Kaspers, Helmut, to Bayer Aktiengesellschaft. N-alkoxycarbonyl-N'acyl-N''-2-acylamidophenylguanidines. 3,835,164, 9-10-74, Cl. 260-347.400.

Widdig, Arno; Kuhle, Engelbert; Scheinpflug, Hans; Grewe, Ferdinand; Kaspers, Helmut; and Frohberger, Paul-Ernst, to Bayer Aktiengesellschaft. Amidophenylisothioureas. 3,843,715, 10-22-74, Cl. 260-470.000.

Widdig, Arno; Kuhle, Engelbert; Grewe, Ferdinand; and Helmut, Kaspers, to Bayer Aktiengesellschaft. 1-Acyl-3-aminosulfonyl-2-imino-benzimidazolines. 3,850,954, 11-26-74, Cl. 260-309.200.

Widdig, Arno; Kuhle, Engelbert; and Scheinpflug, Hans, to Bayer Aktiengesellschaft. Combating fungi with amido-phenylisothioureas. 3,852,463, 12-3-74, Cl. 424-300.000.

Widdig, Arno; Kuhle, Engelbert; Grewe, Ferdinand; and Kaspers, Helmut, to Bayer Aktiengesellschaft. 1-Amino-sulfonyl-2-aminobenzimidazoles. 3,853,908, 12-10-74, Cl. 260-309.200.

Widdowson, Albert Henry; and Wells, George William, to Wildt Mellor Bromley Limited. Knitting machine equipped with two part needles. 3,828,582, 8-13-74, Cl. 66-13.000.

Widdowson, R. Donald, to Smith, Elwin G., Division-Cyclops Corporation. Prefabricated, insulated, metal wall panel. 3,797,190, 3-19-74, Cl. 52-595.000.

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Widegren, Lars H.; and Keskitalo, Tage O. Noise dosimeter. 3,789,952, 2-5-74, Cl. 181-.5ap.

Widegren, Lars Harald; and Keskitalo, Tage Oskar. Device for felling timber. 3,802,663, 4-9-74, Cl. 254-132.000.

Wideman, Harold A.; and Wideman, Ronald H., to Poly Wide, Inc. Disposable laminate product and method of making it. 3,842,832, 10-22-74, Cl. 128-169.000.

Wideman, Lawson G., to Goodyear Tire & Rubber Company, the. Preparation of 1-butene. 3,813,453, 5-28-74, Cl. 260-683.15d.

Wideman, Lawson G., to Goodyear Tire & Rubber Company, The. Method of cyclotrimerizing 1-butene-3-yne to form 1,2,4-trivinylbenzene. 3,836,602, 9-17-74, Cl. 260-669.000.

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Widener, Charles D. Toy aircraft set. 3,839,817, 10-8-74, Cl. 46-77.000.

Widess, Moses B., to Amoco Production Company. Invel system of velocity determination. 3,794,827, 2-26-74, Cl. 340-15.5tc.

Widiger, Hans; and Hoffmann, Dieter. Mine car transportation system. 3,854,421, 12-17-74, Cl. 105-275.000.

Widigs, Sven Holger; and Lindbergh, Sven-Olof. Apparatus for coating edge regions of panels or boards. 3,847,117, 11-12-74, Cl. 118-407.000.

Widl, Walter Herbert Erwin; and Karlsson, Stig Erik, to Telefonaktiebolaget L M Ericsson. Method and apparatus for coding a data flow carrying binary information. 3,810,155, 5-7-74, Cl. 340-347.0dd.

Widlansky, William; and Koff, Bernard L., to General Electric Company. Gas turbine engine internal lubricant sump venting and pressurization system. 3,844,110, 10-29-74, Cl. 60-39.080.

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Widmer, Albert X. Binary-coded signal timing recovery circuit. 3,805,180, 4-16-74, Cl. 331-1.00a.

Widmer, Colin Frederick, to Brown, James & Sons Limited. Components using cast-in cooling tubes. 3,853,309, 12-10-74, Cl. 266-41.000.

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Widmer, Karl, to Swiss Aluminium Ltd. Method and device for sealing of containers or packages covered with heat-sealable foil. 3,817,801, 6-18-74, Cl. 156-69.000.

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Widmer, Walter; and de Jager, Frank, to U.S. Philips Corporation. Reference signal generator for pulse code modulation. 3,806,810, 4-23-74, Cl. 325-141.000.

Widmyer, Richard H.: *See—*
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Widner, Rayburn K.: *See—*
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Widner, Rayburn K.; and Rogers, Aubrey, to United States of America, Army. Radial fluidic caging groove for high G gyro. 3,807,239, 4-30-74, Cl. 74-5.120.

Widner, Rayburn K.; and Rodgers, Aubrey, to United States of America, Army. Spherical permanent diamond lap and method of use. 3,831,323, 8-27-74, Cl. 51-204.000.

Widstrand, John C., to Marathon Electric Manufacturing Corporation. Laminated stator core for dynamoelectric machines. 3,783,318, 1-1-74, Cl. 310-216.000.

Widugris, William, Jr., to Raytheon Company. Microwave heating and vapor condensing apparatus. 3,845,270, 10-29-74, Cl. 219-10.500.

Wiebe, Donald. Hydraulic truck snubber. 3,837,292, 9-24-74, Cl. 105-197.0dh.

Wiebe, Gerald. Electric fuse thermoplastic encapsulant. 3,832,664, 8-27-74, Cl. 337-241.000.

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Wieczorek, Alfred B.; and Poorvin, Ronald E., to Motorola, Inc. Switchable frequency tone filter and detector with high speed switching capability. 3,803,429, 4-9-74, Cl. 307-304.000.

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Wieden, Horst; Nogaj, Alfred; and Marzolph, Herbert, to Farbenfabriken Bayer Aktiengesellschaft. High shrinkage threads, yarn and fibers from acrylonitrile polymers. 3,828,014, 8-6-74, Cl. 260-85.50r.

Wiedenmann, Konrad; and Prelisauer, Peter, to Wieland-Werke AG. Device for applying an elongated ribbed strip to the exterior of a rotating conduit. 3,789,786, 2-5-74, Cl. 113-1.00c.

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Wiegand, John R. Spring loaded power source for intrusion alarm. 3,831,157, 8-20-74, Cl. 340-224.000.

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Wiegand, John Richard, to Velinsky, Milton and Wiegand, John R. Multiple pulse generator. 3,793,532, 2-19-74, Cl. 307-88.0mp.

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Wiegand, Karl E., to Ethyl Corporation. 3-Carbamoyl-3,4-epoxybutyric acid and the alkali metal, alkaline earth metal and ammonium salts. 3,843,692, 10-22-74, Cl. 260-348.00a.

Wiegand, Karl E., to Ethyl Corporation. Chemical process and compositions. 3,843,711, 10-22-74, Cl. 260-465.400.

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Wiken, Torsten O.; and Bakker, Gerhard, to Stamicarbon N.V. Process of making a milk coagulating enzyme preparation. 3,857,969, 12-31-74, Cl. 426-36.000.
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Wildhaber, Ernest. Method of and means of generating gear teeth. 3,785,244, 1-15-74, Cl. 90-4.000.

Wildhaber, Ernest, to Bird Island, Inc. Cutting teeth on workpieces. 3,812,759, 5-28-74, Cl. 90-3.000.
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Wildhaber, Ernest. Rotor pair for positive fluid displacement. 3,856,440, 12-24-74, Cl. 418-195.000.
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Wilding, Edwin L., to Griffin & Company. Method of processing tobacco in a blend-bulk silo. 3,811,585, 5-21-74, Cl. 214-152.000.
Wildman, Alexander J., to Silverado Industries, Inc., mesne. Method for orthodontic treatment. 3,842,503, 10-22-74, Cl. 32-14.00a.
Wildman, Alexander J., to Silverado Industries, Inc., mesne. Orthodontic bracket with spring clip retainer means. 3,854,207, 12-17-74, Cl. 32-14.00a.
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Wiley, Daryl D., to Motorola, Inc. Self-powered tachometer circuit. 3,826,985, 7-30-74, Cl. 324-173.000.
Wiley, Donald F., to Cosden Oil & Chemical Company. Method of forming foamed polystyrene articles from polystyrene beads. 3,814,779, 6-4-74, Cl. 264-53.000.
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Wiley, Richard H., to Miles Laboratories, Inc. Production of citric acid. 3,783,154, 1-1-74, Cl. 260-535.00p.
Wiley, Richard H., to Miles Laboratories, Inc. Monoester derivatives of oxalocitrolactone. 3,810,923, 5-14-74, Cl. 260-343.600.
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Wiley, Rosemary C. Spherical ball picture viewing device. 3,802,104, 4-9-74, Cl. 40-152.000.
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Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. Shock-absorbing front-wall for motor vehicles. 3,817,553, 6-18-74, Cl. 280-150.00b.
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Wilfert, Karl; and Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Arrangement of bumper for vehicles. 3,820,834, 6-28-74, Cl. 293-75.000.
Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. Bumper for motor vehicles. 3,820,835, 6-28-74, Cl. 293-88.000.
Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. Body for vehicles, especially passenger motor vehicles. 3,836,192, 9-17-74, Cl. 296-28.00r.
Wilfert, Karl; Gmeiner, Gunter; Grabner, Christian; and Nockemann, Ernst, to Bomoro Bocklenberg & Motte GmbH & Co., KG., Firma and Daimler-Benz Aktiengesellschaft. Door lock, especially for motor vehicle doors. 3,848,910, 11-19-74, Cl. 292-216.000.
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Wilger, John F.; Lai, Clifford Y. C.; and Nakano, Gregory S., to United States of America, Navy. Propeller manipulating and work stand. 3,830,488, 8-20-74, Cl. 269-296.000.
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Wilhelm, Frederick C., to Universal Oil Products Company. Hydrocarbon conversion with multicomponent catalyst. 3,796,654, 3-12-74, Cl. 208-139.000.
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Wilhelm, Frederick C., to Universal Oil Products Company. Dehydrogenation with a multi-component catalyst. 3,825,612, 7-23-74, Cl. 260-668.00d.
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Wilhelm, Frederick C., to Universal Oil Products Company. Reforming of hydrocarbon feed stocks with a catalyst comprising platinum and tin. 3,844,938, 10-29-74, Cl. 208-139.000.

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Ricker, Ernst; Sander, Bruno; Schmidt, Franz; Schwartz, Erich; Sperber, Heinrich; and Wilhelm, Hans, 3,836,605.

Wilhelm, John R.: *See*—
Dudinec, Emery; and Wilhelm, John R., 3,785,491.

Wilhelm, John R., to Purolator, Inc. Paper filter element center tube. 3,786,926, 1-22-74, Cl. 210-497.000.

Wilhelm, Jurgen; Schuttelkopf, Heinz; Dorn, Ludwig; and Heinze, Gerhard, to Bayer Aktiengesellschaft. Process for the removal of iodine and organic iodine compounds from gases and vapours, and sorption agents which are impregnated with metal. 3,838,554, 101-74, Cl. 55-71.000.

Wilhelm, Keith A.: *See*—
Mershon, Butler A.; and Wilhelm, Keith A., 3,827,278.

Wilhelm, Max; and Riess, Walter, to Ciba-Geigy Corporation. Oxazine derivatives. 3,821,214, 6-28-74, Cl. 260-244.00r.

Wilhelm Wilhelm, to Siemens Aktiengesellschaft. Temperature compensated emitter coupled-logic circuit. 3,806,736, 4-23-74, Cl. 307-215.000.

Wilhelm Will KG, Firma: *See*—
Sahm, Bernd, 3,813,132.

Wilhelmi, Gerhard, to Ciba-Geigy Corporation. Treatment of wounds. 3,836,644, 9-17-74, Cl. 424-180.000.

Wilhelmsen, Paul C.: *See*—
Neale, Robert E.; Wilhelmsen, Paul C.; and Winterhalter, David R., 3,811,682.

Wilhelmsen, Paul C. Glued replacement unit for repairing ruptured pipe. 3,826,521, 7-30-74, Cl. 286-15.000.

Wilhelmson, Jack L.: *See*—
Weichselbaum, Theodore E.; and Wilhelmson, Jack L., 3,848,112.

Wilhelmson, Jack L., to Sherwood Medical Industries, Inc. Fluid measuring and dispensing system. 3,834,586, 9-10-74, Cl. 222-47.000.

Wilhelmy, Herbert, to Machine Tool Divisional Services Limited. Machine tools. 3,815,452, 6-11-74, Cl. 82-2.000.

Wilhere, Charles V., to Horix Manufacturing Company. Pneumatic system controlling operation of a filling valve in a container filling machine. 3,795,263, 3-5-74, Cl. 141-198.000.

Wilhite, Alan Roy: *See*—
Droege, Lee John; Reardon, Michael J.; and Wilhite, Alan Roy, 3,813,310.

Wilhoit, Darrel L.: *See*—
Back, Sangho E.; Reba, Imants; and Wilhoit, Darrel L., 3,853,695.

Wilhoit, Eugene Dennis: *See*—
Nakata, Bruce Tadashi; and Wilhoit, Eugene Dennis, 3,819,730.

Wilisch, Jurgen; Goetze, Rudolf; Jaeck, Frank; Nackmayr, Dietrich; Rehberg, Heinz; and Thuy, Hans-Joachim, to TED Bildplatten Aktiengesellschaft. Playback device and method for foil-shaped recording carriers. 3,836,731, 9-17-74, Cl. 179-100.40r.

Wilk, Harold G.: *See*—
Shuey, Scott James; Smith, Wallace Leland; and Wilk, Harold G., 3,788,764.

Wilk, Leonard S., to Massachusetts Institute of Technology. Pseudo-diamagnetic suspension and pseudo-diadielectronic suspension. 3,815,963, 6-11-74, Cl. 308-10.000.

Wilk, Richard B.; and Hill, Jack J. Fluid heated scoop. 3,809,520, 5-7-74, Cl. 425-276.000.

Wilk, Stanley H., to General Electric Company. Transport vehicle for long loads having limited lateral roadway clearance. 3,789,774, 2-5-74, Cl. 105-367.000.

Wilkata Codes, Inc.: *See*—
Leavens, William B., Jr., 3,808,447.

Wilke, David J., to Pennsylvania Wire Rope Corporation. Detent assembly for a vehicle emergency brake actuating mechanism. 3,844,183, 10-29-74, Cl. 74-517.000.

Wilke, David J., to Handy & Harman Specialty Metals Group. Rotary arbor wire straightener. 3,857,266, 12-31-74, Cl. 72-79.000.

Wilke, Gunther; and Heimbach, Paul, to Studiengesellschaft Kohle mbH. Novel nickel alcoholates and alcohols thereof and a process of their production. 3,832,371, 8-27-74, Cl. 260-439.00r.

Wilke, Gunther; and Muller, Ernst Willi. Process for the production of dimers and trimers of conjugated dienes. 3,848,015, 11-12-74, Cl. 260-677.00r.

Wilke, Gunther; and Heimbach, Paul, to Studiengesellschaft Kohle m.b.H. 1,2-Dimethyl cyclooctadiene-1,5. 3,849,506, 11-19-74, Cl. 260-666.00a.

Wilke, Karl, to Uhde, Friedrich, G.m.b.H. Circuit for PH value regulation. 3,792,244, 2-12-74, Cl. 235-151.300.

Wilke, Raud A., to Koehring Company. Control valve for hydraulically operated implements. 3,834,163, 9-10-74, Cl. 60-422.000.

Wilke, Richard. Controllable electric disconnection device for the protection of under-and over revolutions of a shaft. 3,800,188, 3-26-74, Cl. 317-9.00r.

Wilkening, Albert L. Fireplace home heater. 3,845,754, 11-5-74, Cl. 126-121.000.

Wilkens, Christian Peter, to Mayer, Karl, Textilmaschinenfabrik GmbH. Process for the production of multi-colored single face ware. 3,834,193, 9-10-74, Cl. 66-195.000.

Wilkens, Richard W., to Electronic Communications Inc. Method and apparatus for determining the relative attitude and position of two vehicles in space. 3,794,270, 2-26-74, Cl. 244-1.0sd.

Wilkens, William B.: *See*—
Campbell, Richard H., Jr.; and Wilkens, William B., 3,798,541.

Wilkerson Corporation: *See*—
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Wilkerson, Edward D. Steering wheel holder. 3,854,171, 12-17-74, Cl. 24-81.00a.

Wilkerson, Kenneth Rex, to National Can Corporation. Tomato skin removing device. 3,853,049, 12-10-74, Cl. 99-584.000.

Wilkes, Don Earl; and Thompson, Charles L., to Mandrel Industries, Inc. Null loop for correcting low frequency error signals in high performance amplifiers. 3,801,919, 4-2-74, Cl. 330-9.000.

Wilkes, Don Earl; Thompson, Charles Larry; and Sedgwick, Alan Fred, to Petty-Ray Geophysical, Inc. Multiple stage sample normalizing amplifier with automatic gain prediction. 3,813,609, 5-28-74, Cl. 330-51.000.

Wilkes, Glenn Richard: *See*—
Mowrey, Rowland George; and Wilkes, Glenn Richard, 3,841,873.

Wilkes, John B., to Chevron Research Company. Oxo process using ligands of the tropolone group. 3,839,471, 10-1-74, Cl. 260-632.0hf.

Wilkes Pool Corporation: *See*—
Barrera, Salvatore E., 3,798,857.
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Wilkhahn Wilkening Hahne: *See*—
Slabon, Siegfried; Kasten, Ludwig; and Ritz, Wilhelm, 3,814,475.

Wilkie, Wallace J., to Sensorlok Corporation. Power sensing and shut-off apparatus. 3,829,703, 8-13-74, Cl. 307-18.000.

Wilkin, Douglas G. Push-pull type exercising device. 3,851,874, 12-3-74, Cl. 272-81.000.

Wilkin, Geoffrey Alan; and McNab, Ian Roderick, to International Research & Development Company Limited. Current transfer brusher. 3,821,024, 6-28-74, Cl. 117-217.000.

Wilkin, Joseph D., to Celotex Corporation, The. Modular ceiling assembly. 3,786,602, 1-22-74, Cl. 52-28.000.

Wilkin, Michael J., to United States of America, Army. Range reticle in a night vision device. 3,846,023, 11-5-74, Cl. 356-21.000.

Wilkin, William G.: *See*—
Wilkin, William G.; Wintergreen, Charles J.; and Stade, James H., 3,842,957.

Wilkin, William G.; Wintergreen, Charles J.; and Stade, James H., to Shapiro, Norman M. and Wilkin, William G. Electrically heatable selective marking apparatus. 3,842,957, 10-22-74, Cl. 197-6.400.

Wilkins, Anthony James; and Hoye, Peter Albert Theodore, to Albright & Wilson Limited. Stabilization of vinyl chloride polymers. 3,855,179, 12-17-74, Cl. 260-45.75k.

Wilkins, Daniel R.; and Hill, Paul R., to United States of America, Atomic Energy Commission. Thermionic reactor electrical control system. 3,801,445, 4-2-74, Cl. 176-39.000.

Wilkins, Judd R.; and Mills, Stacey M., to United States of America, National Aeronautics and Space Administration. Apparatus for microbiological sampling. 3,841,973, 10-15-74, Cl. 195-127.000.

Wilkins, Judd R.; and Mills, Stacey M., to United States of America, National Aeronautics and Space Administration. Automatic inoculating apparatus. 3,850,754, 11-26-74, Cl. 195-127.000.

Wilkins, Mark L.: *See*—
Cline, Carl F.; and Wilkins, Mark L., 3,800,380.

Wilkins, Raymond L.; and Frankel, Lawrence S. Analystical monitoring system. 3,807,217, 4-30-74, Cl. 73-23.100.

Wilkins, Robert L. Communications apparatus for non-verbal handicapped persons. 3,818,448, 6-18-74, Cl. 340-147.00r.

Wilkins, Ronald D.: *See*—
Swander, Kenneth D., Jr.; and Wilkins, Ronald D., 3,813,994.

Wilkins, William. Vehicle evacuating buildings. 3,844,377, 10-29-74, Cl. 182-6.000.

Wilkinson, Adrian D.: *See*—
Swenson, William J.; and Wilkinson, Adrian D., 3,839,976.

Wilkinson, Alan F., Jr.: *See*—
Danz, George E.; and Wilkinson, Alan F., Jr., 3,796,941.

Wilkinson, Alvin H., to Auto Crane Company. Proximity differential control. 3,833,898, 9-3-74, Cl. 340-267.00c.

Wilkinson, Bruce L.: *See*—
Rosenstein, Allen B.; Stolowitz, Michael C.; and Wilkinson, Bruce L., 3,818,313.

Wilkinson, Bruce L.; and Stolowitz, Michael C., to Pioneer Magnetics, Inc. Low leakage secondary circuit for a power transformer including conductive strips forming the secondary and connections for rectifying diodes. 3,826,967, 7-30-74, Cl. 321-8.00r.

Wilkinson, David B., to United States of America, Air Force. AFT inlet-ramjet powered missile. 3,844,118, 10-29-74, Cl. 60-251.000.

Wilkinson, Ernest J., to Communications Satellite Corporation. Dual polarized cylindrical reflector antenna system. 3,810,185, 5-7-74, Cl. 343-756.000.

Wilkinson, Geoffrey, to Johnson, Matthey & Co., Limited. Compounds of ruthenium. 3,793,355, 2-19-74, Cl. 260-429.00r.

Wilkinson, Geoffrey, to Johnson, Matthey & Co., Limited. Catalysis and compositions therefor. 3,794,671, 2-26-74, Cl. 260-429.000.

Wilkinson, Geoffrey, to Du Pont de Nemours, E. I., and Company. Hexamethyltungsten. 3,816,491, 6-11-74, Cl. 260-429.00r.

Wilkinson, Geoffrey, to Ethyl Corporation. Hydrogenation of aldehydes using triarylplosphine rhodium halogenoid catalysts. 3,857,900, 12-31-74, Cl. 260-638.00b.

Wilkinson, Horace A.; and Wilkinson, Theodore A., to Monier Research & Development Pty., Ltd. Ceramic green mix. 3,804,644, 4-16-74, Cl. 106-45.000.

Wilkinson, James E.: *See*—
Ross, Lee F.; Wilkinson, James E.; Craig, Fred A.; and Hudson, Allan M., 3,837,774.

Wilkinson, Lawrence H. Card holder for vehicles. 3,851,505, 12-3-74, Cl. 70-255.000.

Wilkinson, Lester: *See*—
Cornell, Thomas V.; Smith, Wayne A.; and Wilkinson, Lester, 3,825,697.

Wilkinson, Michael C.; Blais, Leo; Martin, Wilhelm N.; and Tesainer, Silvano, to Consolidated Paper (Bahamas) Limited. Apparatus for bonding thermoplastic materials and products thereof. 3,811,987, 5-21-74, Cl. 156-497.000.

Wilkinson, Norman; and Shaw, David, to Lucas, Joseph, (Industries) Limited. Self cancelling direction indicator switches. 3,796,846, 3-12-74, Cl. 200-61.270.

Wilkinson, Raymond Westrop; Newton, John; and Stitt, David Malcolm, to A.C.I. Technical Pty., Limited. Concrete reinforcing materials. 3,839,270, 10-1-74, Cl. 260-41.0ag.

Wilkinson, Richard C.; and Hoffmann, Hermann, to American Hoechst Corporation. Water-insoluble disperse azo dyestuffs of cyclic aminobenzaldehyde acetals. 3,836,517, 9-17-74, Cl. 260-152.000.

Wilkinson, Richard W., to Mallory, P. R., & Co., Inc. Electrical switch blade and terminals. 3,805,005, 4-16-74, Cl. 200-284.000.

Wilkinson, Robert E.; Truitt, Robert B.; Hunter, Richard P.; and Bennett, Ronald E., said Wilkinson and truitt assors. to Rostone Corporation and said Hunter and Bennett assors. to General Electric Company. Composite electrical transformer housing. 3,801,77, 4-2-74, Cl. 174-50.000.

Wilkinson, Robert E., to Rostone Corporation. Composite of metal and thermoset plastic, and method of making it. 3,844,030, 10-29-74, Cl. 29-592.000.

Wilkinson Sword Limited: *See*—
Barnes, Alan G., 3,801,970.
Brown, Henry E., 3,811,439.
Hood, Christopher J., 3,815,227.
James, Ronald, 3,843,548.
Parr, Eric W., 3,848,583.
Regan, David, 3,837,734.
Rogers, Edward A., 3,791,013.
Rogers, Edward A., 3,791,032.
Sanderson, Michael D., 3,838,512.
Wordtmann, Jurgen E., 3,816,914.

Wilkinson, Theodore A.: *See*—
Wilkinson, Horace A.; and Wilkinson, Theodore A., 3,804,644.

Wilkinson, Thomas A. Interchangeable plug-in modular appliance unit system. 3,858,091, 12-31-74, Cl. 317-120.000.

Wilkinson, Thomas Frank, to Texas Instruments Incorporated. Workpiece alignment system. 3,797,889, 3-19-74, Cl. 302-2.00r.

Wilkinson, William K., to Du Pont de Nemours, E. I., and Company. Fibers of cellulose ester having randomly distributed dicarboxylate half-ester, half-t-amine dye sites. 3,816,402, 6-11-74, Cl. 260-225.000.

Wilkison, Albert C.: *See*—
Warjone, James E.; and Wilkison, Albert C., 3,847,231.

Wilkos, Edward V.: *See*—
Wright, Archibald N.; Burgess, William R.; and Wilkos, Edward V., 3,787,382.

Wilkowsky, Murray: *See*—
Larson, Ray W.; Morsell, Arthur Lee; Muntz, Eric P.; and Wilkowsky, Murray, 3,842,801.

Wilks, Geoffrey W.: *See*—
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Wilks, Phillip H.: *See*—
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Wilks, Robin John: *See*—
Mallard, John Rowland; Mitchell, James Gault; and Wilks, Robin John, 3,793,519.

Wilkus, Clarence W.: *See*—
Whyzmuzis, Paul D.; and Wilkus, Clarence W., 3,786,007.

Wilkus, Edward V.; and Berger, Abe. Aryl ketone containing organosilicon materials. 3,829,455, 8-13-74, Cl. 260-448.20b.

Wilkus, Edward V.; and Berger, Abe, to General Electric Company. Aryl ketone containing organosilicon materials. 3,855,241, 12-17-74, Cl. 260-329.300.

Will, Albert S.; Wolf, Sylvan; and Barnum, William L., to United States of America, Navy. Underwater acoustical detection system. 3,786,403, 1-15-74, Cl. 340-2.000.

Will, Charles H., Jr.: *See*—
Jory, Howard R.; and Will, Charles H., Jr., 3,843,860.

Will, Fritz G., to General Electric Company. Battery casing and regenerative metal-water battery. 3,833,420, 9-3-74, Cl. 137-6.00r.

Will, Fritz G.; and Mitoff, Stephan P., to General Electric Company. Regenerative metal-water battery. 3,833,422, 9-3-74, Cl. 136-20.000.

Will, Gerhard, to Bosch, Robert, G.m.b.H. Kickdown arrangement for a hydraulic transmission. 3,783,713, 1-8-74, Cl. 74-865.000.

Will, Gerhard, to Bosch, Robert, G.m.b.H. Electrohydraulic transmission shifting apparatus for a motor car. 3,785,224, 1-15-74, Cl. 74-865.000.

Will, Hannelore: *See*—
Pommer, Ernst-Heinrich; and Will, Hannelore, 3,826,639.

Will, Werner: *See*—
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Will, Wilhelm, KG, Firma: *See*—
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Willard Boat Works: *See*—
Tighe, William R., 3,806,304.

Willard, David G.; Cogan, Michael S.; Vacherot, Maurice G.; and Shay, John W., to Mitre Corporation, The. Digital communications system. 3,851,104, 11-26-74, Cl. 179-15.0by.

Willard, E. Thomas: *See*—
Lane, Marvin; and Willard, E. Thomas, 3,843,982.

Willard, Edwin J.; and Elmore, James, to Stanley Works, The. Apparatus for assembling a battern mounted package. 3,783,773, 1-8-74, Cl. 100-7.000.

Willard, Franklin E.: *See*—
Bounds, Joseph W.; Goldstein, Lynn E.; and Willard, Franklin E., 3,796,186.

Willard, Henry G.: *See*—
Hobson, Charles F., Jr.; and Willard, Henry G., 3,786,311.
Hobson, Charles F., Jr.; and Willard, Henry G., 3,806,764.

Willard, Henry G., to General Electric Company. Electric circuit breaker static trip unit with thermal override. 3,803,455, 4-9-74, Cl. 317-33.0sc.

Willard, Stephen F.: *See*—
Hallenbeck, Norman P.; and Willard, Stephen F., 3,799,031.

Willard, Wayne E., to Blue Valley Machine and Manufacturing Company. Apparatus for forming a marginal edge portion of metal work pieces. 3,834,201, 9-10-74, Cl. 72-70.000.

Willard, William C.: *See*—
Parikh, Girish D.; and Willard, William C., 3,784,455.

Willasch, Dieter: *See*—
Muller, Karl-Heinz; Rindfleisch, Volker; Von Rauch, Moriz; Willasch, Dieter; and Dollmeier, Georg, 3,835,246.

Willasch, Dieter; Schiewe, Bernd; and Rindfleisch, Volker, to Siemens Aktiengesellschaft. Photographic film handling apparatus for charged-particle beam equipment. 3,823,322, 7-9-74, Cl. 250-469.000.

Willats, Donald James; and Morgan, Peter Ernest, to Courtaulds Limited. Method for making carbon filament tapes. 3,784,428, 1-8-74, Cl. 156-174.000.

Willbond, William F.: *See*—
Lally, William; Moore, Kenneth L.; Robbins, John E.; and Willbond, William F., 3,799,723.

Willchemo, Inc.: *See*—
Shonk, Robert Dean; Wade, Malcolm Smith; and Tolle, Glenn Edwin, 3,802,903.

Willcox, Waid O.: *See*—
Off, Joseph W. A.; Wilbanks, Darrel J.; and Willcox, Waid O., 3,841,247.

Wille, Baptist, to Balzers Patent- und Beteiligungs-Aktiengesellschaft. Refracting, light permeable oxide layer and method for its manufacture. 3,783,010, 1-1-74, Cl. 117-106.00r.

Willeitner, Eberhardt: *See*—
Lorenz, Johann; and Willeitner, Eberhardt, 3,833,274.

Willeitner, Eberhardt, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Damping device for an inhomogeneous centrifuge roto. 3,786,694, 1-22-74, Cl. 74-573.000.

Willem Corporation: *See*—
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Willem, Michel, to La Compagnie General d'Elector-Ceramique-Ceraver. Assembly of insulators. 3,838,490, 10-1-74, Cl. 29-203.00r.

Willems, Donald J.; and Spitzley, Henry A. Stunning tool. 3,798,707, 3-26-74, Cl. 17-1.00b.

Willems, Gerardus Antonius Maria: *See*—

Verhagen, Johannes Gerardus; De Keyser, Edmond Joannes Jozef; Claes, Jan Cyrille Martin; and Willems, Gerardus Antonius Maria, 3,851,137.

Willems, Gerardus Antonius Maria, to U.S. Philips Corporation. Welding wire driving and straighening device. 3,799,215, 3-26-74, Cl. 140-147.000.

Willems, Josef Frans; Vandenbergh, Atoon Leon; Pollet, Robert Joseph; Maeda, Sajiro; Roosen, Raymond Albert; and Philippaerts, Herman Adelbert, to Agfa-Gevaert N.V. Development of exposed photographic silver halide elements. 3,841,877, 10-15-74, Cl. 96-56.00.

Willems, Jozef Frans: *See—*
De Cat, Arthur Henri; Sels, Francis Jeanne; Pollet, Robert Joseph; and Willems, Jozef Frans, 3,788,850.
Pollett, Robert Joseph; Philippaerts, Herman Adelbert; Vandenberghe, Antoon Leon; and Willems, Jozef Frans, 3,825,426.

Willems, Jozef Frans; Sels, Francis Jeanne; Pollet, Robert Joseph; and De Cat, Arthur Henri, to Agfa-Gevaert N.V. Surface-active compounds used as coating aids in film-forming compositions. 3,788,851, 1-29-74, Cl. 96-67.000.

Willems, Jozef Frans; and Sels, Francis Jeanne. Hydroxylamine photographic developer. 3,806,345, 4-23-74, Cl. 96-66.00r.

Willems, Jozef Frans; Heugebaert, Frans Clement; and Pollet, Robert Joseph, to Agfa-Gevaert N.V. Silver halide emulsion stabilized with a bidentate heterocyclic compound containing a sulpho or a carboxyl group. 3,808,005, 4-30-74, Cl. 96-76.00r.

Willems, Jozef Frans; and DeMunck, Joseph Louis, to Agfa-Gevaert. Development of photographic material. 3,817,753, 6-18-74, Cl. 96-66.300.

Willems, Jozef Frans; Poot, Albert Lucien; Heugebaert, Frans Clement; Vandenberghe, Anton Leon; and Von Konig, Anita, to AGFA-Gevaert. Photosensitive recording material. 3,844,797, 10-29-74, Cl. 96-114.100.

Willemsen, Willem Hendrik. Device for the manufacture of small sticks of dough-like material. 3,832,113, 8-27-74, Cl. 425-311.000.

Willen, Charles, to Willen, Charles & Cie. Tool holder assembly having means for selectively adjusting the position of the work tool. 3,822,619, 7-9-74, Cl. 82-36.00r.

Willen, Charles, to Willen, Charles & Cie. Tool holder assembly having means for selectively adjusting the position of the work tool. 3,822,620, 7-9-74, Cl. 82-36.00r.

Willen, Charles. Tool holders for machine tools. 3,848,487, 11-19-74, Cl. 82-36.00r.

Willen, Charles & Cie: *See—*
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Willen, Charles, 3,822,620.

Willen, Harold A.: *See—*
Willen, Harold A.; and Little, James L. (said Little assor. to said), 3,830,077.

Willen, Harold A.; and Little, James L., said Little assor. to said Willen, Harold A. Heat exchanger for connection in evaporator-to-compressor line of air conditioner. 3,830,077, 8-20-74, Cl. 62-238.000.

Willenbacher, Erich: *See—*
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Willers, Eduard, to International Harvester Company. Shift transmission with slideable gear-engaging sleeve particularly for motor vehicles. 3,827,276, 8-6-74, Cl. 74-363.000.

Willersinn, Carl-Heinz: *See—*
Krabetz, Richard; Willersinn, Carl-Heinz; Engelbach, Heinz; Wistuba, Hermann; Lebert, Ulrich; and Frey, Walter, 3,801,634.

Willersinn, Carl-Heinz; and Reicheneder, Franz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Separating alpha, beta-unsaturated carboxylic acids from aqueous solutions by azeotropic distillation with excess solvent. 3,844,903, 10-29-74, Cl. 203-51000.

Willersinn, Herbert; Gausepohl, Hermann; Naarmann, Herbert; and Hellwig, Karl-Ruediger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Etherification of compounds bearing alcoholic hydroxyl groups. 3,853,461, 12-10-74, Cl. 8-189.000.

Willert, William H.; and Ro. Jai G., to Egan Machinery Company. Drive for twin screw extruder. 3,824,875, 7-23-74, Cl. 74-665.0ga.

Willerton, John K.: *See—*
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Willett, Colin S., to United States of America, Army. Atmospheric pressure induction plasma laser source. 3,798,568, 3-19-74, Cl. 331-94.500.

Willette, Merton J., to Honeywell Inc. Mounting assembly for a transformer and relay control device. 3,838,371, 9-24-74, Cl. 335-278.000.

Willetts, Elwood H. Multiple axle vehicle suspension system. 3,856,325, 12-24-74, Cl. 280-124.00r.

Willey Corporation: *See—*
Willey, Ronald R., 3,820,253.

Willey, Glenn R., to Standard Pressed Steel Co. Collar assembly for use with a rivet and method of assembling a joint. 3,842,479, 10-22-74, Cl. 29-423.000.

Willey, Ronald R.: *See—*
MacNeill, John H.; and Willey, Ronald R., 3,812,459.

Willey, Ronald R., to Willey Corporation. Gunnery trainer. 3,820,253, 6-28-74, Cl. 35-25.000.

Willhite, William, Jr.; and Strube, Herbert Eugene, to Procter & Gamble Company, The. Web perforating apparatus. 3,845,682, 11-5-74, Cl. 83-431.000.

Willhite, William, Jr.; and Strube, Herbert Eugene. Web perforating apparatus. 3,847,045, 11-12-74, Cl. 83-37.000.

William, A. Reimer, to GTE Automatic Electric Laboratories Incorporated. Sliding three dimensional packaging technique. 3,858,154, 12-31-74, Cl. 339-17.0lm.

William, Bernhard Orville: *See—*
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William, Earl: *See—*
Steiner, Charles Dale; and William, Earl, 3,795,159.

William, Frank J., III, to General Electric Company. Method for preparing polyetherimides. 3,847,869, 11-12-74, Cl. 260-47.0cz.

William, Frank J., III, to General Electric Company. Method for making aromatic bis (ether anhydride)s. 3,850,964, 11-26-74, Cl. 260-345.200.

William H. Rorer, Inc.: *See—*
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William, John G., to Bracing Systems, Inc. Apparatus for suporting masonry walls against wind damage during construction. 3,817,006, 6-18-74, Cl. 52-122.000.

William Prym-Werke KG, Firma: *See—*
Glindmeyer, Friedrich; Limpens, Karl; and Hennenberg, Wilhelm, 3,828,825.
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William, Ralph P.: *See—*
Jones, Faber B.; William, Ralph P.; and Doss, Richard C., 3,803,089.

William, Sevier J., to General Dynamics Corporation. Apparatus for chemically separating oxygen from air. 3,807,957, 4-30-74, Cl. 23-252.00r.

William, Vanda Ray; d/b/a Future Machine Company: *See—*
Ellison, Jack R., 3,830,268.

Williamitis, Victor A., to General Motors Corporation. Refuse disposing appliance. 3,807,324, 4-30-74, Cl. 110-8.00c.

Williams, A. Carey. Antistat and binder for glass fibers. 3,827,900, 8-6-74, Cl. 106-287.00s.

Williams, Albert E. Timer controlled feeder apparatus. 3,783,836, 1-8-74, Cl. 119-51.140.

Williams, Albert Leslie; and Verne, Stefan, to British Insulated Callender's Cables Limited. Method of manufacturing electric cables in a dielectric material saturated with cable gas. 3,800,017, 3-26-74, Cl. 264-46.000.

Williams, Albert Lloyd: *See—*
Dickert, Joseph John, Jr.; and Williams, Albert Lloyd, 3,829,534.

Williams, Albert M. Light control system. 3,805,065, 4-16-74, Cl. 250-226.000.

Williams, Alfred C.: *See—*
Sommer, Gordon M.; Williams, Alfred C.; and Carlson, Donald C., 3,851,742.

Williams, Allan Charles. Prefabricated building structure. 3,818,653, 6-25-74, Cl. 52-79.000.

Williams, Allan L.: *See—*
Keifer, Terry A.; and Williams, Allan L., 3,806,910.

Williams, Arthur: *See—*
Rendall, John L.; Rhyne, William Q.; and Williams, Arthur, 3,837,056.
Rendall, John S.; Rhyne, William Q.; and Williams, Arthur, 3,831,233.

Williams, Arthur B., to Singer Company, The. Transformerless full wave rectifier and direct coupled product modulator. 3,811,098, 5-14-74, Cl. 332-44.000.

Williams, Barbara. Attachment structure for puppet, manipulator combination. 3,854,239, 12-17-74, Cl. 46-126.000.

Williams, Benjamin F., to Benwilco, Inc. Positive displacement machine such as a pump. 3,787,153, 1-22-74, Cl. 418-176.000.

Williams, Beverly E. Treating skinned animal carcasses. 3,783,909, 1-8-74, Cl. 139-426.000.

Williams, Billy J.; Napier, Donald R.; and Schwab, Peter A., to Continental Oil Company. Process for making substantially alkandiol-free alkanols. 3,839,473, 10-1-74, Cl. 260-643.00f.

Williams, Bobby G.: *See—*
Shumate, Marvin T.; and Williams, Bobby G., 3,784,124.

Williams, Bobby J. Coaxial engine. 3,828,655, 8-13-74, Cl. 92-31.000.

Williams, Bradford A., Sr. Display map device for indicating the extent of the travels of a motorist. 3,849,913, 11-26-74, Cl. 35-42.000.

Williams, Brown F.; and Kosonocky, Walter Frank, to RCA Corporation. Charge-coupled radiation sensing circuit with charge skim-off and reset. 3,845,295, 10-29-74, Cl. 250-211.00j.

Williams, Bruce T.; and Hare, Clarence R., to Trek Inc. Probe for electrostatic voltmeter. 3,852,667, 12-3-74, Cl. 324-72.000.

Williams, Bruno R. Tape dispenser attachment. 3,799,417, 3-26-74, Cl. 225-7.000.

Williams, Byron E.; and Clements, Richard V., to Eastman Kodak Company. Pneumatic article conveying system. 3,840,274, 10-8-74, Cl. 302-2.00r.

Williams, Carson E.: *See—*
Smith, Glen C.; and Williams, Carson E., 3,816,887.

Williams, Carter P.: *See—*
Erickson, John W.; Williams, Carter P.; and McArthur, Ralph F., 3,795,459.
Erickson, John W.; and Williams, Carter P., 3,822,102.
Erickson, John W.; and Williams, Carter P., 3,838,939.

Williams, Cecil E. Pollution-reducing floating exhaust. 3,835,625, 9-17-74, Cl. 55-259.000.

Williams, Charles E., to Hough Manufacturing Corporation. Train operated folding partition. 3,783,930, 1-8-74, Cl. 160-199.000.

Williams, Charles E., to Ford Motor Company. Seat belt webbing tension measuring device. 3,817,093, 6-18-74, Cl. 73-144.000.

Williams, Charles H., to Koppers Company, Inc. Apparatus for the production of pearlescent button blanks. 3,801,253, 4-2-74, Cl. 425-324.000.

Williams, Charles H., to Koppers Company, Inc. Method and apparatus for engaging coacting propulsion systems. 3,830,349, 8-20-74, Cl. 192-103.00f.

Williams, Charles R.: *See—*
Corey, Albert E.; Donermeyer, Donald D.; Fantl, Joel; and Williams, Charles R., 3,817,892.
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Williams, Cherry R.: *See—*
Williams, Randolph, Jr.; and Williams, Cherry R., 3,838,750.

Williams, Chester I. Waler-positioning support for accummodating two dimensional standards in form lumber. 3,815,862, 6-11-74, Cl. 249-40.000.

Williams, Chester I. Inner tie rod for securing wall forms. 3,830,461, 8-20-74, Cl. 249-213.000.

Williams, Chester I. Rock bolts. 3,837,258, 9-24-74, Cl. 85-75.000.

Williams, Clarence. Marker posts. 3,799,686, 3-26-74, Cl. 404-10.000.

Williams, Clarence L. Ice breaker attachment for road maintenance vehicles. 3,847,437, 11-12-74, Cl. 299-25.000.

Williams, Clark R., to Texas Instruments, Incorporated. Flip-flop element. 3,783,308, 1-1-74, Cl. 307-291.000.

Williams, Claude E.; and Gates, F. Alan. Automatic lift apparatus. 3,847,292, 11-12-74, Cl. 214-75.00g.

Williams, Connie E.: *See—*
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Williams, Dale; and Bunn, Dorrance P., Jr., to Texaco Inc. Apparatus for fluidized catalytic cracking of hydrocarbons. 3,841,843, 10-15-74, Cl. 23-288.00s.

Williams, Dale E. Kite-flying control reel. 3,807,672, 4-30-74, Cl. 244-155.00a.

Williams, Darrel Andrew: *See—*
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Williams, David A.: *See—*
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Williams, David C., to Parke, Davis & Company. Dispensing process. 3,830,076, 8-20-74, Cl. 62-60.000.

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Williams, David Gordon: *See—*
Harris, Paul Anthony; and Williams, David Gordon, 3,806,203.

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Williams, Dick H., to General Motors Corporation. Engine cooling from exhaust gas turbine. 3,827,523, 8-6-74, Cl. 180-68.00r.

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Williams, Donald M.; and Seidel, Charles S., to Williams, Donald M. Vehicle jack with locking means. 3,831,901, 8-27-74, Cl. 254-93.00r.

Williams, Donzle W., Jr. Key holder. 3,828,595, 8-13-74, Cl. 70-457.000.

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McCullough, Foy, Jr.; Williams, Duane A.; Katter, Lincoln B.; and Poole, Donald R., 3,840,246.
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Williams, Earl E., to General Electric Company. Pitot tube dielectric antenna system. 3,798,652, 3-19-74, Cl. 343-708.000.

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Azorlosa, Julian L.; and Williams, Earl P., 3,835,084.
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Williams, Edward B., Jr. Drill tool. 3,844,363, 10-29-74, Cl. 175-227.000.

Williams, Edward B., Jr. Drill string and drill collar therefor. 3,856,096, 12-24-74, Cl. 175-325.000.

Williams, Edward G.: *See—*
Baker, John R.; and Williams, Edward G., 3,852,861.
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Williams, Edward L., to International Harvester Company. Regulated ignition amplifier circuit. 3,857,376, 12-31-74, Cl. 123-148.00e.

Williams, Edward S.: *See—*
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Williams, Eirug Ellis: *See—*
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Williams, Eric: *See—*
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Williams, Frances Joan: *See—*
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Williams, Francis A., to Eastman Kodak Company. Single frame device for motion picture camera. 3,838,915, 10-1-74, Cl. 352-169.000.

Williams, Francis N.: *See—*
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Williams, Frank J., III, to General Electric Company. Method for making aromatic ether anhydrides and products made thereby. 3,850,965, 11-26-74, Cl. 260-345.200.

Williams, Frank N., to Federal-Huber Corporation. Lavatory with integrally molded fixture. 3,813,706, 6-4-74, Cl. 4-187.00r.

Williams, Frank R.: *See—*
Jordan, Merrill E.; Burbine, William G.; and Williams, Frank R., 3,799,788.
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Williams, Frank Thomas, to Johns-Manville Corporation. Conduit end connection. 3,794,364, 2-26-74, Cl. 285-390.000.

Williams, Fred: *See—*
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Williams, Fred S.; and Stock, William G., to Aluminum Company of America. Brine electrolysis employing mercury cathode. 3,835,002, 9-10-74, Cl. 204-99.000.

Williams, Frederick C., to Hughes Aircraft Company. High resolution bistatic radar system. 3,825,928, 7-23-74, Cl. 343-5.00r.

Williams, Frederick C., to Hughes Aircraft Company. Bistatic radar system. 3,842,417, 10-15-74, Cl. 343-5.00r.

Williams, Garnet Montague, to Ferraris Development & Engineering Company Limited. Apparatus for indicating the rate of fluid flow. 3,797,480, 3-19-74, Cl. 128-2.080.

Williams, Garth M. Bowed string instrument trainer. 3,839,938, 10-8-74, Cl. 84-465.000.

Williams, Gene. Bathtub brush device. 3,802,421, 4-9-74, Cl. 128-56.000.

Williams, George B.: *See—*
Tirrell, C. Barry; and Williams, George B., 3,809,967.
Williams, Lon A.; and Williams, George B., 3,809,969.

Williams, George E.: *See—*
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Williams, George H.: *See—*
Carini, George F.; Williams, George H.; and Burhans, Richard Orman, 3,791,835.

Williams, George H., to Burrard Refrigeration Ltd. Chiller for ice rink refrigeration systems. 3,827,253, 8-6-74, Cl. 62-235.000.

Williams, George Norman: *See—*
Murphy, William D.; Williams, George Norman; Wilson, Robert F.; and Zmuda, Edward I., 3,787,610.

Williams, George Norman; and Wilson, Robert F., to GTE Sylvania Incorporated. Optical-to-electrical transducer assemblage. 3,783,272, 1-1-74, Cl. 250-216.00r.

Williams, George V.: *See—*
Brandt, Robert O., Jr.; and Williams, George V., 3,844,529.

Williams, Gerald H., to Evans Products Company. Bulkhead suspension system embodying safety hanger. 3,804,029, 4-16-74, Cl. 105-376.000.

Williams, Glenn C., to Massachusetts Institute of Technology. Burner and heat exchanger. 3,789,805, 2-5-74, Cl. 122-235.00r.

Williams, Glenn V.: *See—*

Grass, John W.; Roberts, Gene; and Williams, Glenn V., 3,802,961.

Williams, Glynn P.: *See—*
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Williams, Haydn W. R.: *See—*
Wasson, Burton K.; and Williams, Haydn W. R., 3,812,150.

Williams, Haydn Windsor Richard; and Rooney, Clarence Stanley, to Merck Sharp & Dohme (I.A.) Corporation. 1,8-Naphthyridine compounds. 3,842,087, 10-15-74, Cl. 260-295.00n.

Williams, Haydn Windsor Richard; and Rooney, Clarence Stanley, to Merck Sharp & Dohme (I.A.) Corporation. 1,8-Naphthyridine compounds. 3,843,663, 10-22-74, Cl. 260-296.00n.

Williams, Henry L., to Midland Industries, Incorporated. Depth penetration drilling recorder. 3,823,407, 7-9-74, Cl. 346-128.000.

Williams, Herman, Jr., to WTC Chemical Corporation. Pharmaceutical screening test composition. 3,799,741, 3-26-74, Cl. 23-230.00b.

Williams, Heyward Sturges; and Robbins, Robert, to LRC, Inc. Switch driver. 3,798,471, 3-19-74, Cl. 307-255.000.

Williams, Heyward Sturges; and Robbins, Robert, to LRC, Inc. Voltage control switch driver. 3,813,561, 5-28-74, Cl. 307-263.000.

Williams, Heyward Sturges; and Robbins, Robert, to LRC Corporation. High speed impedance sensitive switch driver. 3,854,057, 12-10-74, Cl. 307-255.000.

Williams, Hilton S.: *See—*
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Williams, James Bryan, to Diagnostics Electronics Corporation. Echo-encephalographic apparatus. 3,818,898, 6-25-74, Cl. 128-2.00v.

Williams, James E.; and Fleischer, Jean C., to Eastman Kodak Company. Alkaline reactivation of alumina supported palladium catalysts. 3,824,193, 7-16-74, Cl. 252-412.000.

Williams, James G. Bearing temperature sensing apparatus for use on a trailer. 3,792,434, 2-12-74, Cl. 340-57.000.

Williams, James T.: *See—*
Vieceli, Joseph L.; and Williams, James T., 3,811,208.

Williams, James W.: *See—*
Smith, James S., Jr.; and Williams, James W., 3,842,401.

Williams, James W. Laminated conduit and system. 3,844,315, 10-29-74, Cl. 138-140.000.

Williams, James W., III: *See—*
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Williams, James W., III; and Fetterolf, John S. Combined tank rinsing valve. 3,804,338, 4-16-74, Cl. 239-541.000.

Williams, Jerome. Auto flattening press. 3,796,151, 3-12-74, Cl. 100-233.000.

Williams, Jimmie Driver, Sr. Anti-erosion device. 3,844,125, 10-29-74, Cl. 61-3.000.

Williams, Joel L.; and Stannett, Vivian T., to Stevens, J. P., & Co., Inc. Radiation process of preparing grafted electomeric fibers wherein post-decrystal-ization is employed. 3,814,676, 6-4-74, Cl. 204-159.120.

Williams, Joel Lawson; Olof, Heinz Gunther; and Peterlin, Anton, to Research Triangle Institute. Process for the preparation of open-celled microporous films. 3,839,516, 10-1-74, Cl. 264-41.000.

Williams, John David. Method of surgically repairing damaged ear drums. 3,825,009, 7-23-74, Cl. 128-334.00r.

Williams, John E.: *See—*
McGhan, Donald K.; and Williams, John E., 3,852,832.

Williams, John E., to United Aircraft Corporation. Traffic detector using balun transformer phase detector. 3,818,430, 6-18-74, Cl. 340-38.001.

Williams, John E., Jr., to Lockheed Aircraft Corporation. Modular cargo container for transport vehicles. 3,797,691, 3-19-74, Cl. 220-1.500.

Williams, John Gordon; and Griffiths, Peter John. Disc dispensing apparatus. 3,783,885, 1-8-74, Cl. 133-5.000.

Williams, John Herbert: *See—*
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Williams, John K., to Central Texas Iron Works, Inc. Gas and particulate solid material separating and solid material discharging apparatus. 3,824,771, 7-23-74, Cl. 55-429.000.

Williams, John W., to General Electric Company. Voltage regulator for a direct current power supply. 3,815,368, 9-10-74, Cl. 323-17.000.

Williams, John W., to Boeing Company, The. Hydrofoil bow door. 3,837,313, 9-24-74, Cl. 114-665.00h.

Williams, Joseph; Bradley, Clifford D.; and Mottin, Howard C., to United States of America, Army. Walking wheeled vehicle. 3,842,926, 10-22-74, Cl. 180-8.00r.

Williams, Joseph M.: *See—*
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Williams, Larry D., to General Electric Company. Method for providing staggered joint, single turn, cut core laminations. 3,818,587, 6-25-74, Cl. 29-606.000.

Williams, Larry D., to General Electric Company. Apparatus for providing staggered joint, single turn, cut core laminations. 3,844,188, 10-29-74, Cl. 83.091.000.

Williams, Laurence Lyman: *See—*
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Coscia, Anthony Thomas; and Williams, Laurence Lyman, 3,816,556.

Williams, Laurence Lyman; and Coscia, Anthony Thomas, to American Cyanamid Company. Glyoxalated 2-vinyl-1-cycloamidenepropionamide polymers. 3,812,084, 5-21-74, Cl. 260-67.00r.

Williams, Laurence Lyman; and Coscia, Anthony Thomas, to American Cyanamid Company. Water-soluble thermosetting glyoxalated carbamoylalkyl alkyleneamino polymers and paper having a content thereof. 3,853,816, 12-10-74, Cl. 260-72.00r.

Williams, Leonard H. Cable spooling guide. 3,804,350, 4-16-74, Cl. 242-157.100.

Williams, Leslie H., 20% to Lee, Raymond Organization, Inc., The. Thread cutting hacksaw blade. 3,803,681, 4-16-74, Cl. 29-78.000.

Williams, Lloyd E.: *See—*
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Williams, Lon A.; and Williams, George B., to Dole Electro-Systems, Incorporated. Probe connector receptacle device for area type electrical distribution system. 3,809,969, 5-7-74, Cl. 317-120.000.

Williams, Loraine Leonard: *See—*
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Williams, Lowell A. Scaffold. 3,851,728, 12-3-74, Cl. 182-17.000.

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Williams, Malcolm Clarence, to Girling Limited. Drum brake actuators. 3,831,720, 8-27-74, Cl. 188-343.000.

Williams, Marvin E., to Scott, O. M., & Sons Company, The. Material spreader utilizing plug-in material container. 3,856,211, 12-24-74, Cl. 239-685.000.

Williams, Maryon J., Jr.; Walkowitz, Walter; Fich, Sylvan; Jaron, Dov; Kantrowitz, Adrian; and Molony, Donald A., to Sinai Hospital of Detroit. Piezoelectric heart assist apparatus. 3,857,382, 12-31-74, Cl. 128-1.00d.

Williams, Melvin. Automatic serum preparation station. 3,838,809, 10-1-74, Cl. 233-24.000.

Williams, Merton S., to Emhart Corporation. Padlock construction. 3,817,063, 6-18-74, Cl. 70-24.000.

Williams, Meurig W.: *See—*
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Williams, Michael: *See—*
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Williams, Michael. Bowling ball drilling machines. 3,843,276, 10-22-74, Cl. 408-236.000.

Williams, Michael J.; Blome, Frederick C.; and Hueter, Otto W., to Gross Manufacturing Corporation. Document holder. 3,837,987, 9-24-74, Cl. 161-18.000.

Williams, Michael L., to United States of America, Navy. Acoustic torpedo beam pattern simulator. 3,803,336, 4-9-74, Cl. 35-10.400.

Williams, Michael Roger Lloyd: *See—*
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Williams, Nathaniel S., to United States of America, Transportation. Non-linear amplification technique for improving signal to noise contrast. 3,807,226, 4-30-74, Cl. 73-146.000.

Williams, Norman P.: *See—*
Rushing, Frank C.; Gilbert, Lynford W.; and Williams, Norman P., 3,843,238.

Williams, Orville L.; and Jones, Odell J., to Anderson, Clayton & Co. Seed delinter. 3,805,332, 4-23-74, Cl. 19-44.000.

Williams Patent Crusher & Pulverizer Company: *See—*
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Williams, Paul D., to Williams Gun Sight Co. Gun sight. 3,838,522, 10-1-74, Cl. 33-258.000.

Williams, Ralph P.: *See—*

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Williams, Ralph P., to Phillips Petroleum Company. Ochydrocarbytin bis (hydrocarbyloxy hydrocarbyl mer captides). 3,793,356, 2-19-74, Cl. 260-429.700.

Williams, Ralph P., to Phillips Petroleum Company. Polyurethanes and diisocyanato sulfone and diamino sulfone intermediates. 3,801,548, 4-2-74, Cl. 260-77.5at.

Williams, Ralph P., to Phillips Petroleum Company. Corrosion-inhibiting compositions containing dialkyl sulfides or sulfoxides. 3,809,655, 5-7-74, Cl. 252-391.000.

Williams, Ralph P., to Phillips Petroleum Company. Lubricants. 3,853,775, 12-10-74, Cl. 252-42.100.

Williams, Randolph, Jr.; and Williams, Cherry R. Fire escape apparatus. 3,838,750, 10-1-74, Cl. 182-48.000.

Williams, Raymond E. Sliding vane rotary combustion engine. 3,848,575, 11-19-74, Cl. 123-8.110.

Williams, Raymond James Edward: *See—*
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Williams, Raymond Lloyd: *See—*
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Williams, Redford B., Jr.: *See—*
Williams, Redford B., Jr.; and Hartwell, John W. (said Hartwell assor. to said), 3,847,142.

Williams, Redford B., Jr.; and Hartwell, John W., said Hartwell assor. to said Williams, Redford B., Jr. Blood flow measuring apparatus and method. 3,847,142, 11-12-74, Cl. 128-2.05f.

Williams, Richard; and Riotto, Dominic, to Phillips-Van Heusen Corporation. Collar construction. 3,842,435, 10-22-74, Cl. 2-132.000.

Williams, Richard A. Tape cartridge and playback unit. 3,792,823, 2-19-74, Cl. 242-55.19a.

Williams, Richard C.: *See—*
Mumford, G. Victor; and Williams, Richard C., 3,857,505.
Swartzbaugh, Peter T.; and Williams, Richard C., 3,795,338.

Williams, Richard D.; and Michaels, Fred G., to General Motors Corporation. Control mechanism. 3,844,180, 10-29-74, Cl. 74-473.00r.

Williams, Richard E. Automotive air filter gauge. 3,828,441, 8-13-74, Cl. 33-178.00b.

Williams, Richard H., to General Motors Corporation. Automatic shift for a transmission. 3,789,698, 2-5-74, Cl. 74-752.00c.

Williams, Richard Harvey: *See—*
Sturt, Alan Charles; and Williams, Richard Harvey, 3,856,733.

Williams, Richard J., to International Rectifier Corporation. Zero-crossing trigger circuit for firing semiconductor devices at zero voltage. 3,805,147, 4-16-74, Cl. 323-21.000.

Williams, Richard Jean, to RCA Corporation. Passive cooler. 3,817,320, 6-18-74, Cl. 165-47.000.

Williams, Richard L. Manhole base section for sewer lines. 3,787,078, 1-22-74, Cl. 285-189.000.

Williams, Richard R.: *See—*
Killion, Marvin L.; and Williams, Richard R., 3,797,577.

Williams, Richard R. Aerator device. 3,830,310, 8-20-74; Cl. 172-22.000.

Williams, Robert A.: *See—*
Blanchard, Robert L.; Sherburne, Arthur E.; and Williams, Robert A., 3,797,311.
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Williams, Robert A.; and Holt, David M., said Williams assor. to Williams Instruments, Inc. Current potential indicator. 3,820,023, 6-25-74, Cl. 324-133.000.

Williams, Robert A., to Pyro Control, Inc. Nonfragmenting pyrotechnic fire extinguisher. 3,833,063, 9-3-74, Cl. 169-28.000.

Williams, Robert C.: *See—*
Abney, Dave L.; Williams, Robert C.; and Gilbert, Horace E., 3,818,986.

Williams, Robert C., to GTE Information Systems Incorporated. Pulse sampling and synchronization circuit. 3,820,030, 6-25-74, Cl. 328-63.000.

Williams, Robert D., Jr., to Williams, Dwight S., Co. Device for applying stops to spinnaker sails. 3,831,541, 8-27-74, Cl. 114-104.000.

Williams, Robert E.: *See—*
Lloyd, James R.; Williams, Robert E.; Bayless, Jack H.; Ortloff, Gerald D.; and Bruce, George H., 3,825,065.

Williams, Robert G.; and Coolidge, Richard M., to General Motors Corporation. Extractor roll drive. 3,841,388, 10-15-74, Cl. 164-282.000.

Williams, Robert H.; and Hoehn, Marvin M., to Lilly, Eli, and Company. Pyrazomycin and process for production thereof. 3,802,999, 4-9-74, Cl. 195-80.00r.

Williams, Robert H.; Silverstri, Anthony J.; and Gorring, Robert L., to Mobil Oil Corporation. Catalytic oxidation process for isoparaffin hydrocarbons. 3,816,548, 6-11-74, Cl. 260-632.00c.

Williams, Robert H. Planetating piston rotary internal combustion engine. 3,839,995, 10-8-74, Cl. 123-8.410.

Williams, Robert H.; Hoehn, Marvin M.; and Michel, Karl-Heinz, to Lilly, Eli, and Company. Antibiotic A-25822 and process for production thereof. 3,845,203, 10-29-74, Cl. 424-122.000.

Williams, Robert L.: *See—*
Lane, George A.; and Williams, Robert L., 3,804,328.

Williams, Robert M., to Williams Patent Crusher & Pulverizer Company. Material reducing system and apparatus. 3,794,251, 2-26-74, Cl. 241-65.000.

Williams, Robert M., to Williams Patent Crusher & Pulverizer Company. Reversible over-running down-running shredder machine. 3,806,048, 4-23-74, Cl. 241-189.00a.

Williams, Robert M., to Williams Patent Crusher & Pulverizer Company. Apparatus and system for disposing of combustible and waste material. 3,826,208, 7-30-74, Cl. 110-15.000.

Williams, Robert M.; and Englar, Robert J., to United States of America, Navy. Dual purpose circulation control airfoil. 3,830,450, 8-20-74, Cl. 244-42.0cd.

Williams, Robert M., to Genova, Inc. Pipe coupling. 3,841,668, 10-15-74, Cl. 285-93.000.

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Williams, Robert W.: *See—*
Kramer, Franklin; Hayes, Thomas C., Jr.; Fernald, Lorne S.; and Williams, Robert W., 3,807,293.

Williams, Rodney A., to Campbell, J. A., Company. Gas and liquid separator. 3,824,765, 7-23-74, Cl. 55-1.000.

Williams, Roger B., Jr., to Reliance Electric Company. Multiple mode computing scale system. 3,851,720, 12-3-74, Cl. 177-3.000.

Williams, Roger Morley: *See—*
Arnold, John Spencer; Beck, George Morland; Boom, Roger John; Cosserat, David Cockburn; Hodges, Kenneth James Hamer; Sandeman, Theodor Duncan; Williams, Roger Morley; and O'Halloran, Michael, 3,787,818.

Williams, Roy T.: *See—*
Van Doorn, Donald W.; Hawkins, James B.; and Williams, Roy T., 3,831,481.

Williams, Russell C.; and Smith, Marion D., to General Motors Corporation. Main and bypass gear train transmission. 3,793,906, 2-26-74, Cl. 74-745.000.

Williams, Samuel D. Accessory wheel and drive device for a motor vehicle. 3,826,322, 7-30-74, Cl. 180-1.0aw.

Williams, Samuel D., Jr.: *See—*
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Williams, Selwyn Donald; Leaver, John Philip; and Abbott, David, to La Porte Industries Limited. Peroxygen compounds. 3,847,830, 11-12-74, Cl. 252-186.000.

Williams, Stanley J.: *See—*
Vollick, Carlisle N.; and Williams, Stanley J., 3,842,680.

Williams, Thomas H.: *See—*
Fowler, Raymond L.; Hill, James D.; McCornack, Richard W.; Perkins, N. Kenneth; Sendelweck, Michael L.; West, Donald L.; Williams, Thomas H.; and Yosmali, Krikor, 3,834,505.

Williams, Thomas Henry: *See—*
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Williams, Thomas Llewellyn: *See—*
Baker, Lionel Richard; Biddles, Barry John; and Williams, Thomas Llewellyn, 3,814,520.

Williams, Thurston V.; and Cheever, Leo H., to O.K. Tool Company, The. Controlled tool for machining compound surfaces. 3,788,009, 1-29-74, Cl. 51-5.000.

Williams, Tyree R.: *See—*
Gray, Thomas A.; and Williams, Tyree R., 3,838,748.

Williams, Vernon L., to Kay Laboratories, Inc. Hot or cold pack. 3,804,077, 4-16-74, Cl. 126-263.000.

Williams, Vernon L., to Kay Laboratories, Inc. Portable baby warming apparatus. 3,854,156, 12-17-74, Cl. 5-347.000.

Williams, Victor E. Oval shaped wheels. 3,782,751, 1-1-74, Cl. 280-87.010.

Williams, Warren Lee: *See—*
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Williams, William A., to T. B. Wood's Sons Company. Wear-resistant motion control sheave. 3,802,285, 4-9-74, Cl. 74-230.17e.

Williams, William C., to Robbins Company, The. Invertible drilling machine. 3,857,451, 12-31-74, Cl. 173-152.000.

Williams, William J.: *See—*
Prange, James M.; and Williams, William J., 3,822,003.

Williams, Wilmore, to Beatrice Foods Co. Bland soy protein. 3,852,480, 12i3-74, Cl. 426-46.000.

Williamson, Addison Heaton: *See—*
Porter, Harold Felton; Rennie, Foster Wilson; and Williamson, Addison Heaton, 3,801,370.

Williamson, Albert G.; Goetzinger, Gunther R.; and Di Veto, Williard R., to Burroughs Corporation. Automatic reading and writing mechanism for bank passbooks and the like. 3,803,388, 4-9-74, Cl. 235-61.11d.

Williamson, Allen O.; and Spector, George. Pancake turners. 3,796,454, 3-12-74, Cl. 294-7.000.

Williamson, Bobby Joe; Cutting, Arch Eborn; and Crossland, Robert Kenneth, to Southern Machinery Company. Mechanical ring rail lowering mechanism. 3,803,824, 4-16-74, Cl. 57-54.000.

Williamson, Bobby Wayne: *See—*
Warnock, Emmit F.; Williamson, Bobby Wayne; Ellington, Gordon H.; and Mitchell, William O., 3,832,927.

Williamson, Charles W.: *See—*
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North, Howard C.; Calderwood, Gene C.; and Williamson, Charles W., 3,819,790.

Williamson, Clyde E.: *See—*
Dillard, Paul A.; and Williamson, Clyde E., 3,783,029.

Williamson, Elmer V. Methods and apparatus for decorating confectionery items. 3,852,494, 12-3-74, Cl. 426-383.000.

Williamson, Everett W.: *See—*
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Williamson, George R., III, to Transport Basics International, Inc. Load restrainer. 3,782,758, 1-1-74, Cl. 280-179.00r.

Williamson, Harold A.: *See—*
Sotak, John B.; and Williamson, Harold A., 3,783,591.

Williamson, Harry W.: *See—*
Forss, Kaj G.; Gadd, George Otto; Lundell, Ralf O.; and Williamson, Harry W., 3,809,614.

Williamson, Hilding V., to Chemetron Corporation. Mechanical foam generating method and system. 3,846,515, 11-5-74, Cl. 261-18.00b.

Williamson, Hugh C., to Universal Metal Products, Inc. Guard for spray valves. 3,853,248, 12-10-74, Cl. 222-402.120.

Williamson, James: *See—*
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Williamson, John Duff: *See—*
Schneble, Frederick W., Jr.; McCormack, John F.; Zeblisky, Rudolph J.; Williamson, John Duff; and Polichette, Joseph, 3,799,802.
Schneble, Frederick W., Jr.; McCormack, John F.; Zeblisky, Rudolph J.; Williamson, John Duff; and Polichette, Joseph, 3,799,816.

Williamson, John E., to Kenney Manufacturing Company. Curtain rod bracket. 3,857,538, 12-31-74, Cl. 248-263.000.

Williamson, John R. Screened ventilator. 3,791,280, 2-12-74, Cl. 98-40.0vm.

Williamson, Karl D. Safety pocket construction. 3,835,474, 9-17-74, Cl. 2-251.000.

Williamson, Katherine M.: *See—*
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Williamson, Kenneth D.: *See—*
Caflisch, Edward G.; Reed, Denvil E., Jr.; and Williamson, Kenneth D., 3,788,979.

Williamson, Robert J., Jr.: *See—*
Mikan, Donald G.; and Williamson, Robert J., Jr., 3,843,253.
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Williamson, Robert W. Forming tool and fixture therefor. 3,788,177, 1-29-74, Cl. 83-454.000.

Williamson, Robert W. Clamp. 3,807,719, 4-30-74, Cl. 269-34.000.

Williamson, Robert W. Safety mechanism for special machines and fixtures. 3,847,259, 11-12-74, Cl. 192-131.00r.

Williamson, Roger C.: *See—*
Ellis, Alan F.; Harper, Earl F.; and Williamson, Roger C., 3,803,255.
Harper, Earl F.; and Williamson, Roger C., 3,843,739.

Williamson, Ronald Eugene; Porter, Sidney Clark, Jr.; and Shotting, Kenneth Frederic, to Combustion Engineering, Inc. Device for transferring objects. 3,851,772, 12-3-74, Cl. 214-1.00q.

Williamson, Russell K., to Erie Malleable Iron Company. Dual wheel assembly. 3,837,709, 9-24-74, Cl. 301-135.00m.

Williamson, Shellie P.: *See—*
Bragg, Gary O.; Bahr, Russel F.; and Williamson, Shellie P., 3,792,683.

Williamson, Thomas N.; deceased (by Williamson, Katherine M.; executrix), 75% to Jacobs Associates. Horizontal drill rig for deep drilling to remote areas and method. 3,840,079, 10-8-74, Cl. 175-61.000.

Williamson, William A., to Clark Equipment Company. Control system for differential hydrostatic steering. 3,782,488, 1-1-74, Cl. 180-6.480.

Williamson, William A., to Clark Equipment Company. Vehicle drive steer wheel. 3,827,517, 8-6-74, Cl. 180-6.480.

Williamson, William R. N.; and Marshall, Winston S., to Lilly, Eli, and Company. N-Substituted heterocyclic amines. 3,803,127, 4-9-74, Cl. 260-239.00b.

Williamson, William Robert Nigel; Hicks, Terence Alan; and Day, Elaine Hilda, to Lilly Industries, Limited. Phenyl alkyl amine derivatives to treat inflammation. 3,830,923, 8-20-74, Cl. 424-267.000.

Williamson-Built, Inc.: *See—*
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Willich, Jean Herbert; and De Baan, Johannes Jasper, to August Bilstein Ennepetal-Altenwoerde, Firma. Hydraulic telescopic shock absorber. 3,797,818, 3-19-74, Cl. 267-122.000.

Willie, Edward N.; and Volkers, Walter K., deceased (by Volkers, Daphne J.). Antenna with large capacitive termination and low input circuit. 3,827,053, 7-30-74, Cl. 343-701.000.

Willieme, Marcia B. Composite cover-support for cassettes and books. 3,829,132, 8-13-74, Cl. 281-31.000.

Williford, Jerry G.: *See—*
Stump, Theodore M.; and Williford, Jerry G., 3,794,928.

Williford, Jerry G., to Collins Radio Company. FSK oscillator. 3,826,999, 7-30-74, Cl. 331-108.00r.

Williford, Thomas Leslie, Jr.: *See—*
Henn, Robert Walter; Scholly, Christian; Voytko, James Emery; Williford, Thomas Leslie, Jr.; McGonigal, Charles; Frey, Dean Rudisill; Smith, Donald Tolmon; and Gantis-Vedejs, Arthur, 3,858,158.

Willim, Fritz; Schulz, Hans-Dieter; and Thorner, Hans Otto, to Concast AG. Continuous casting plant. 3,782,447, 1-1-74, Cl. 164-281.000.

Willing, Robert; and Cooper, Gary L., to North American Rockwell Corporation. Electrolytic solution for level devices. 3,843,539, 10-22-74, Cl. 252-62.200.

Willing, Wilfried: *See—*
Wolf, Gunter; and Willing, Wilfried, 3,797,567.

Willinger, Allan H.; and Dinnerstein, Albert J., to Metaframe Corporation. Animal exerciser and activity device. 3,788,277, 1-29-74, Cl. 119-29.000.

Willinger, Allan H.; and Dinnerstein, Albert J., to Metaframe Corporation. Rodent habitat. 3,791,346, 2-12-74, Cl. 119-17.000.

Willinger, Allan H.; and Dinnerstein, Albert J., to Metaframe Corporation. Filtering device. 3,815,547, 6-11-74, Cl. 119-5.000.

Willinger, Allan H., to Metaframe Corporation. Hinged aquarium cover. 3,857,366, 12-31-74, Cl. 119-5.000.

Willis, Alice. Textile guiding and measuring indicia. 3,839,637, 10-1-74, Cl. 250-302.000.

Willis, Andrew Douglas; and Thurman, Michael Bruce, to Wilson Walton International Limietd. Apparatus for measuring the level of the contents of a container. 3,834,233, 9-10-74, Cl. 73-290.00v.

Willis, Arnold L.; and Wortman, Harold, to MSL Industries, Inc. Meterial guide members for a compressing and conveying apparatus. 3,783,578, 1-8-74, Cl. 53-24.000.

Willis, Arthur E. Decorative wall fixture. 3,828,457, 8-13-74, Cl. 40-152.100.

Willis, Barry G.; Taggart, Robert B., Jr.; Knudsen, Knaud L.; and Gee-Clough, David, to Hewlett-Packard Company. Particle analyzer. 3,805,591, 4-23-74, Cl. 73-28.000.

Willis, Don C.: *See—*
Buck, Gordon H.; Northrop, John H.; and Willis, Don C., 3,794,330.

Willis, Donald Henry, to RCA Corporation. Plural operation mode television receivers. 3,795,762, 3-5-74, Cl. 178-5.40r.

Willis, Earl C.; and Gothard, Ramon A., to Peabody Coal Company. Mine roof drilling, bolting and plating machine. 3,842,610, 10-22-74, Cl. 61-63.000.

Willis, Eldrich J.; and Nelson, David G., to Aluminum Company of America. Method of making a hollow metal bat. 3,807,213, 4-30-74, Cl. 72-370.000.

Willis, Floyd H., 20% to Lee, Raymond, Organization, Inc., The. Exhaust device for automotive vehicles. 3,788,417, 1-29-74, Cl. 180-64.00a.

Willis, Frank M.: *See—*
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Willis, Frank R., to Andrew Corporation. Elliptical-to-rectangular waveguide transition. 3,818,383, 6-18-74, Cl. 333-21.00r.

Willis, Harry Arthur: *See—*
Stay, Bernard John; and Willis, Harry Arthur, 3,854,044.

Willis, Howard M. Universal mounting plate for dental articulators. 3,844,040, 10-29-74, Cl. 32-32.000.

Willis, Howard R. Ramp loading motorcycle carrier rack. 3,843,001, 10-22-74, Cl. 214-450.000.

Willis, Irving. Apparatus and method for coded, self-service transfer of articles. 3,840,103, 10-8-74, Cl. 194-4.00r.

Willis, Ivra T.: *See—*
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Willis, James M.: *See—*
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Willis, John George, to Solid State Technology Inc. Emergency signalling transmitter with improved latch and lock. 3,794,852, 2-26-74, Cl. 325-185.000.

Willis, John George, to Solid State Technology, Inc. Damage detection. 3,818,467, 6-18-74, Cl. 340-224.000.

Willis, John George, to Solid State Technology, Inc. Alarm system. 3,827,038, 7-30-74, Cl. 340-224.000.

Willis, John Robert; and Urquhart-Pullen, David Ian, to Rank Organisation Limited, The. Planar voice coil loudspeaker. 3,829,623, 8-13-74, Cl. 179-115.0pv.

Willis, John T.: *See—*
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Willis, Joseph E.: *See—*
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Willis, Leonard L., to Thermo King Corporation. Transportable refrigeration apparatus for preserving perishables. 3,792,595, 2-19-74, Cl. 62-414.000.

Willis Oil Tool Company: *See—*
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Willis, Richard A. Key holder. 3,832,874, 9-3-74, Cl. 70-456.00r.

Willis, Robert John, Jr.; Kalikow, Irving; Jordan, Harold John; and Jacobson, John William, to General Electric Company. Conversion means for a gas turbine engine. 3,830,056, 8-20-74, Cl. 60-39.16s.

Willis, Robin Burke. In-line multitube centrifugal separator. 3,793,812, 2-26-74, Cl. 55-338.000.

Willis, Roderick M.; and Oldfather, Charles L. Process for removal of algae, diatoms and organic contaminants from water. 3,836,460, 9-17-74, Cl. 210-44.000.

Willis, Roland George; and Schleigh, William Robert, to Eastman Kodak Company. Benzimidazole nucleating agents. 3,850,638, 11-26-74, Cl. 96-64.000.

Willis, Ronald R.: *See—*
Elfe, Thomas B., Jr.; Koppius, Otto G.; and Willis, Ronald R., 3,818,260.

Willis, Samuel C. Thermodynamic beverage cooling unit. 3,803,867, 4-16-74, Cl. 62-294.000.

Willis, T. Chade: *See—*
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Willis, Ted; Holley, Willis H.; Lyles, Harold L.: *See—*
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Willis, Wilburn C.: *See—*
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Willis, Wilburn C., to Aluminum Company of America. Safety closure assembly. 3,812,990, 5-28-74, Cl. 215-9.000.

Willis, Wilfred Ernest; and Johnston, Dickie L. Side-loading attachment for forklift trucks. 3,854,616, 12-17-74, Cl. 214-620.000.

Willison, Donald: *See—*
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Willits, Jerry G., to Minnesota Mining and Manufacturing Company. Light-stable sheet material for recording light-images. 3,802,888, 4-9-74, Cl. 96-114.100.

Willits, Samuel P.: *See—*
Mohan, William L.; and Willits, Samuel P., 3,790,759.
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Willmark Products Company: *See—*
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Willmarth, Charles T. Ski carrier. 3,854,640, 12-17-74, Cl. 224-28.00r.

Willmore, Robert R., to Westinghouse Electric Corporation. Frequency discriminating apparatus. 3,806,808, 4-23-74, Cl. 325-78.00r.

Willmott, Kenneth Eardley: *See—*
Gordon, Alfred Kenneth; and Willmott, Kenneth Eardley, 3,853,475.

Willmott, Kenneth Nash Knight: *See—*
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Willner, Kurt; and Lavamaki, Maurice M., to Wilorco, Inc. Voltage regulator. 3,818,321, 6-18-74, Cl. 323-43.50s.

Willock, Charles B. Drop bulb pressure-measuring device. 3,841,157, 10-15-74, Cl. 73-389.000.

Willock, Charles B. Single needle alternating flow blood pump system. 3,848,592, 11-19-74, Cl. 128-214.00r.

Willock, James Taylor, to General Foods, Limited. Whippable composition. 3,785,831, 1-15-74, Cl. 99-139.000.

Willoteaux, Guy C., to Societe Francaise d'Equipements pour la Navigation Aerienne. Differential and disconnectible electronic circuit system. 3,790,763, 2-5-74, Cl. 235-150.100.

Willoteaux, Guy Claude, to Societe Francaise d'Equipements pour la Navigation Aerienne. Systems for surveying and correcting trajectories. 3,784,800, 1-8-74, Cl. 235-150.270.

Willoughby, Anthony Roy, to Bendix Corporation, The. Wind direction monitor scale converter. 3,827,037, 7-30-74, Cl. 340-177.00r.

Willoughby, Joseph A.: *See—*
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Wills, Arnold: *See—*
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Wills, Frank: *See—*
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Wills, Frank E., to Borg-Warner Corporation. Solid state switching system for coupling an AC power supply to a load. 3,855,482, 12-17-74, Cl. 307-252.00b.

Wills, John Alexander, to Lee, Raymond, Organization, Inc., The. Camping toaster. 3,793,936, 2-26-74, Cl. 99-339.000.

Wills, Lowell J.: *See—*
Minneman, Lester C.; Trease, Ralph E.; Wills, Lowell J.; and Dietz, Raymond Louis, 3,830,651.

Wills, Robert E., to Wynn, Richard R. Water heater. 3,809,856, 5-7-74, Cl. 219-286.000.

Wills-Moren, William James; and Goadby, Walter, to Camber International (England) Limited. Patterning system for a multi-feed circular knitting machine. 3,793,850, 2-26-74, Cl. 66-50.00r.

Willsey, Charles H., to Seymour Foods, Inc. Egg handling apparatus. 3,820,301, 6-28-74, Cl. 53-62.000.

Willsey, Charles H., to Seymour Foods, Inc. Egg liquid extractor apparatus. 3,854,394, 12-17-74, Cl. 99-495.000.

Willsey, Charles H., to Seymour Foods, Inc. Article handling apparatus. 3,854,568, 12-17-74, Cl. 198-30.000.

Willson, James R.: *See—*
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Willson, James R., to Robertshaw Controls Company. Electrical switch. 3,787,793, 1-22-74, Cl. 337-44.000.

Willson, James R. Electric igniter construction. 3,810,734, 5-14-74, Cl. 431-258.000.

Willson, James R., to Robertshaw Controls Company. Computer cooking means. 3,827,345, 8-6-74, Cl. 99-325.000.

Willumeit, Hans-Peter: *See—*
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Willumsen, Poul. Grid for fluorescent lamp units. 3,808,421, 4-30-74, Cl. 240-78.0ld.

Willvonseder, Ernest. Shrink-film capping machine. 3,783,582, 1-8-74, Cl. 53-67.000.

Willy, William L.; and Henrick, Clive A., to Zoecon Corporation. Aliphatic substituted-2-en-4-yne acids and esters. 3,801,612, 4-2-74, Cl. 260-410.90r.

Willyoung, David M., to General Electric Company. Multiset polyphase winding. 3,821,573, 6-28-74, Cl. 310-198.000.

Wilmanns, Ingo, to Leybold-Heraeus-Verwaltung GmbH. Control and monitoring of processes in dependence on the vapor pressure. 3,812,596, 5-28-74, Cl. 34-51.000.

Wilmers, Gottlieb; and Hillinger, Hermann. Oil seal construction for rotary engines. 3,814,556, 6-4-74, Cl. 418-142.000.

Wilmers, Gottlieb, to Audi NSU Auto Union Aktiengesellschaft. Rotor for rotary combustion engine and method of making the same. 3,829,944, 8-20-74, Cl. 29-156.40r.

Wilmers, Gottlieb, to Audi NSU Auto Union Aktiengesellschaft and Wankel GmbH. Inner seal for the piston of a rotary piston machine. 3,843,283, 10-22-74, Cl. 418-142.000.

Wilmes, Raymond A.: *See—*
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Wilmeth, Joe. Pipeline vent insert. 3,802,458, 4-9-74, Cl. 137-363.000.

Wilmington Chemical Corporation: *See—*
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Wilmont, Charles S., to Boeing Company, The. Integrated alignment system. 3,816,935, 6-18-74, Cl. 33-228.000.

Wilmot, Donald W., to Itek Corporation. Radiation sensing system. 3,825,350, 7-23-74, Cl. 356-138,000.

Wilmot, Douglas G. K., to General Steel Industries, Inc. Railway locomotive suspension stabilizing. 3,796,166, 3-12-74, Cl. 105-199.00r.

Wilmoth, Elgie W.: *See—*
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Wilmoth, Roger C.: *See—*
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Wilms, Carl Alfred, to Jackson, Byron, Inc. Reverse stop for power tongs. 3,793,913, 2-26-74, Cl. 81-57.180.

Wilms, Carl Alfred, to Jackson, Byron, Inc. Motion compensation system for power tong apparatus. 3,838,613, 10-1-74, Cl. 81-57.340.

Wilms, Karl-Heinz; and Henke, Gregor, to Optische Werke G. Rodenstock. Method and apparatus for the enlarged representa-

tion of the cross-section of non-destructed contact lenses or the like,. 3,822,096, 7-2-74, Cl. 356-164.000.
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Wilmslow, Walter Parker, to Scragg, Ernest, & Sons Limited. Method of processing yarn. 3,796,036, 3-12-74, Cl. 57-157.0ts.
Wilner, Leslie B., to Becton, Dickinson Electronics Company. Low cost resistance gauge acceleromater. 3,788,149, 1-29-74, Cl. 73-517.00r.
Wilorco, Inc.: *See—*
Willner, Kurt; and Lavamaki, Maurice M., 3,818,321.
Wilpers, Dale J., to Shell Oil Company. Quenching oil composition. 3,853,638, 12-10-74, Cl. 148-29.000.
Wilska, Matti Gunnar. Relatively movable valve actuator. 3,782,430, 1-1-74, Cl. 141-362.000.
Wilska, Matti Gunnar. Moisture monitor having a resistor between sensing capacitor and oscillator tuned input to improve oscillator response. 3,793,585, 2-19-74, Cl. 324-61.0qs.
Wilson & Co., Inc.: *See—*
Pozorski, Roman L., 3,784,491.
Wilson, Alan Brian: *See—*
Jansen, Alexander Bertus Arnold; Hollowood, John; and Wilson, Alan Brian, 3,823,148.
Wilson, Alan Donald; and Kent, Brean Ernest. Poly(carboxylic acid) -fluoroaluminosilicate glass surgical cement. 3,814,717, 6-4-74, Cl. 260-29.60m.
Wilson, Alexander Ian, to Hille Engineering Company Limited, The. Taper-rolling of metal. 3,793,868, 2-26-74, Cl. 72-226.000.
Wilson, Anthony: *See—*
Hogg, Derek; Wilson, Anthony; and Asakam, John Fairburn, 3,850,423.
Wilson, Anthony Ian, to Teleflex Limited. Rack and pinion drives. 3,798,992, 3-26-74, Cl. 74-422.000.
Wilson, Arthur C., to General Electric Company. Oven door construction with front glass panel. 3,828,763, 8-13-74, Cl. 126-200.000.
Wilson, Ben F., to United States of America, Army. Propellant splash plate having flow direction means. 3,790,088, 2-5-74, Cl. 239-432.000.
Wilson, Billy Fred, to Dresser Industries, Inc. Mud cake compensated neutron logging system. 3,789,219, 1-29-74, Cl. 250-264.000.
Wilson, Burton D.: *See—*
Henn, Richard W.; Wilson, Burton D.; and Woodgate, Paul L., 3,794,488.
Wilson, Calvin L., to Reynolds Metals Company. Method of making article-supporting wall for cooking pan. 3,787,955, 1-29-74, Cl. 29-432.200.
Wilson, Calvin L., to Reynolds Metals Company. Apparatus for making article-supporting wall for cooking pan. 3,796,174, 3-12-74, Cl. 113-1.00r.
Wilson, Calvin L.; and Fox, John H., Jr., to Reynolds Metals Company. Fluid dispensing container construction. 3,843,027, 10-22-74, Cl. 222-400.700.
Wilson, Carl D.: *See—*
Finke, Harry P.; Carr, Hugh B.; and Wilson, Carl D., 3,804,124.
Finke, Harry P.; Carr, Hugh B.; and Wilson, Carl D., 3,834,420.
Wilson, Charles Kenneth, Sr. Urine conveyer. 3,822,419, 7-9-74, Cl. 4-1.000.
Wilson, Charles Peter: *See—*
Burge, Richard Lee; and Wilson, Charles Peter, 3,850,344.
Wilson, Charles T. Magnetic tape cartridge changer. 3,848,264, 11-12-74, Cl. 360-92.000.
Wilson, Christopher L.; and Shuffman, Oscar, to Shuffman, Oscar and Shuffman, Fred, mesne. Foamed polyester resin laminated products. 3,844,876, 10-29-74, Cl. 161-119.000.
Wilson, Clarence Walter. Recovery of salted-out protein. 3,817,834, 6-18-74, Cl. 195-66.00r.
Wilson, Clenis E.: *See—*
Chance, Glenn G.; Crews, Sam T.; and Wilson, Clenis E., 3,784,238.
Wilson, Clive W.: *See—*
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Wilson, Dan P.: *See—*
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McCrary, Avis L.; and Wilson, David A., 3,825,592.
Wilson, David E.: *See—*
Atwood, Lamar T.; Radomski, Joseph E.; and Wilson, David E., 3,791,047.
Atwood, Lamar T.; Radomski, Joseph E.; and Wilson, David E., 3,815,259.
Wilson, David G.; and Smith, Ora E., to Massachusetts Institute of Technology. Impact sensor and coder apparatus. 3,788,466, 1-29-74, Cl. 209-79.000.
Wilson, David O.: *See—*
Moritz, Donald B.; Wilson, David O.; and Mueller, Francis B., 3,797,793.
Wilson, David T.: *See—*
Barrett, Harrison H.; Demeester, Gordon D.; and Wilson, David T., 3,831,031.
Wilson, Dennis L., to United States of America, Army. Safety indexing device for launcher firing mechanism. 3,786,716, 1-22-74, Cl. 89-1.812.
Wilson, Dennis L., to United States of America, Air Force. Burst phase shift keyed receiver. 3,815,029, 6-4-74, Cl. 325-320.000.
Wilson, Donald C., to FMC Corporation. Package sealing in steam atmosphere. 3,830,681, 8-20-74, Cl. 156-583.000.
Wilson, Donald C. Package sealing in steam atmosphere. 3,845,606, 11-5-74, Cl. 53-21.0fc.
Wilson, Donald M.: *See—*
Haberland, Peter H.; Lay, Frank M.; Murphy, Thomas J.; Skolnik, Marvin B.; Spencer, Oliver S.; Wagner, Peter R.; Whitaker, Howard L.; and Wilson, Donald M., 3,837,724.
Murphy, Thomas J.; and Wilson, Donald M., 3,804,609.
Wilson, Duane L. Grain pick up. 3,785,132, 1-15-74, Cl. 56-364.000.
Wilson, Earl David: *See—*
Chittenden, Richard Marion; Whitton, Aldean William; Macalalad, Fidel Vallaluna; Massman, Richard; and Wilson, Earl David, 3,820,546.
Wilson, Edward L.: *See—*
Fiocco, Robert J.; and Wilson, Edward L., 3,790,467.
Wilson, Edward L., to Exxon Research and Engineering Company. Fluidized bed gasification process with reduction of fines entrainment by utilizing a separate transfer line burner stage. 3,847,566, 11-12-74, Cl. 48-202.000.
Wilson, Edward McKenzie; and Taylor, Alfred Bartley. Crystalline complex of penicillin G 1(S) - oxide and process for preparing same. 3,853,850, 12-10-74, Cl. 260-239.100.
Wilson, Edwin J.; and Filter, Harold E., to Dow Chemical Company, The. (1-Aziridinyl)alkyl curing agents for acid-terminated polymers. 3,806,498, 4-23-74, Cl. 260-94.20r.
Wilson, Elinor M. Power rake. 3,789,590, 2-5-74, Cl. 56-14.700.
Wilson, Ernest V. Centrifugal marine propeller. 3,826,591, 7-30-74, Cl. 416-177.000.
Wilson, Eugene M.: *See—*
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Howarth, Richard C.; and Wilson, Eugene M., 3,841,007.
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Wilson, Evelyn Egan: *See—*
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Wilson, Farris H., Jr.; and Slam, Thomas J., to Goodyear Tire & Rubber Company, The. Process of preparing amides. 3,852,350, 12-3-74, Cl. 260-562.00p.
Wilson, Floyd A.: *See—*
Hansen, Theodore E.; and Wilson, Floyd A., 3,857,996.
Wilson, Floyd Leroy. Hole punching fastener for sheet metal. 3,848,505, 11-19-74, Cl. 85-19.000.
Wilson, Francis B., to Vapor Corporation, mesne. Reference signal differentiating capacitive fluid level gauge. 3,795,146, 3-5-74, Cl. 73-304.00c.
Wilson, Freddie W. Vehicular air cushion impact absorbing system. 3,802,602, 4-9-74, Cl. 244-100.00r.
Wilson, Geoffrey: *See—*
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Wilson, Geoffrey R.: *See—*
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Wilson, George A., to I-T-E Imperial Corporation. Racking mechanism for draw-out type miniature high voltage circuit breaker. 3,784,764, 1-8-74, Cl. 200-50.0aa.
Wilson, George A., to I-T-E Imperial Corporation. Vacuum circuit breaker current transfer and actuation. 3,784,774, 1-8-74, Cl. 200-144.00b.
Wilson, George A., to I-T-E Imperial Corporation. Draw out circuit breaker and compartment interlock and secondary contact actuation. 3,793,493, 2-19-74, Cl. 200-50.0aa.
Wilson, George A., to I-T-E Imperial Corporation. Squeeze coil spring and current transfer means. 3,793,606, 2-19-74, Cl. 339-8.00r.
Wilson, George A., to I-T-E Imperial Corporation. Switching gear using signal drive to both charge closing spring and rack contact corner. 3,794,792, 2-26-74, Cl. 200-153.0sc.
Wilson, George A., to I-T-E Imperial Corporation. Draw-out type modular high voltage switchgear and compartment-motorized racking mechanism therefor. 3,823,281, 7-9-74, Cl. 200-50.0aa.
Wilson, George A., to I-T-E Imperial Corporation. Vacuum interrupter capacitance discharge and contact grounding system. 3,823,288, 7-9-74, Cl. 200-144.00b.
Wilson, George A., to I-T-E Imperial Corporation. High speed four-way valve. 3,848,637, 11-19-74, Cl. 137-625.270.

Wilson, George E., to Houdaille Industries, Inc. Method and apparatus for treating animal waste. 3,840,457, 10-8-74, Cl. 210-14.000.
Wilson Greatbatch Ltd., mesne: *See—*
Mead, Ralph T., 3,857,736.
Wilson, H. F., Engineering Company: *See—*
Bent, John H., 3,798,910.
Wilson, Harold F.; and McRae, Dougal H., to Rohm & Haas Company. Herbicidal 3,4-dichloroanilides. 3,816,092, 6-11-74, Cl. 71-118.000.
Wilson, Harold P. 4Vulcan Materials Company. Electrolytic production of tin and lead salts using anion permselective membranes. 3,795,595, 3-5-74, Cl. 204-86.000.
Wilson, Harold R., to General Electric Company. Pattern machining system for die rolls. 3,815,288, 6-11-74, Cl. 51-35.000.
Wilson, Harold R. Method and apparatus for traversing a cam follower. 3,824,741, 7-23-74, Cl. 51-50.0pc.
Wilson, Harold W., to Golden Cycle Corporation. Process for the entrapment and recovery of SO_2 gas. 3,809,745, 5-7-74, Cl. 423-244.000.
Wilson, Harold W., to Golden Cycle Corporation. Noble metals solvation agents-hydroxyketones and iodine and iodide. 3,826,750, 7-30-74, Cl. 252-187.00r.
Wilson, Harry W.: *See—*
Fishkin, Edward A.; and Wilson, Harry W., 3,842,162.
Wilson, Henry Lewis: *See—*
Warburton, Joe Allen; and Wilson, Henry Lewis, 3,828,119.
Wilson, Homer M., to Petrolite Corporation. Dynamic analyzer. 3,855,101, 12-17-74, Cl. 204-195.00r.
Wilson, Ian Mayor; and Hamp, Eric William, to Arcall Limited. Method of and a machine for forming and filling trays with articles. 3,852,936, 12-10-74, Cl. 53-26.000.
Wilson Industries, Inc.: *See—*
Carothers, William F., 3,809,161.
Hutchinson, Carl P., 3,785,690.
Wilson, Jackie Neal, to Hobart Manufacturing Company, The. Patty machine. 3,800,362, 4-2-74, Cl. 17-32.000.
Wilson, James; Nelson, James; and Shield, Douglas, to Underground Mining Machinery Limited. Anchorage for conveyor guiding longwall planer and method. 3,830,544, 8-20-74, Cl. 299-18.000.
Wilson, James C.: *See—*
Clark, Grady W.; Wilson, James C.; Oliver, Bennie F.; and Chapman, Alan T., Jr., 3,796,673.
Wilson, James H.: *See—*
Babcock, Clarence E.; and Wilson, James H., 3,797,310.
Briestley, Hill M.; and Wilson, James H., 3,796,759.
Wilson, James M.: *See—*
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Wilson, James Oliver; and Finsterwalder, Norman Joseph, to Sybron Corporation. Elevating mechanism for dental chairs and the like. 3,807,680, 4-30-74, Cl. 248-421.000.
Wilson, James S.: *See—*
Houston, David T.; and Wilson, James S., 3,840,878.
Wilson, James W.: *See—*
Sutton, Blaine M.; Walz, Donald T.; and Wilson, James W., 3,826,839.
Wilson, Jesse C.: *See—*
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Wilson, John B.: *See—*
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Wilson, John C.: *See—*
Brock, Robert James; Hansen, Paul Bernard; and Wilson, John C., 3,788,936.
Hamb, Fredrick L.; and Wilson, John C., 3,793,249.
Wilson, John C.; deceased (by Wilson, Margaret I.; executrix). Spring tread. 3,795,397, 3-5-74, Cl. 272-66.000.
Wilson, John C.; and Hamb, Fredrick, to Eastman Kodak Company. Film forming polyurethanes. 3,842,042, 10-15-74, Cl. 260-77.5ap.
Wilson, John C., to Eastman Kodak Company. Diacid-xanthylium ion polyester and photographic element comprised thereof. 3,856,751, 12-24-74, Cl. 260-47.00c.
Wilson, John Charles, to Eastman Kodak Company. Polyesters from hydroxymethyl-phenylanes. 3,803,096, 4-9-74, Cl. 260-75.00r.
Wilson, John D., to Williamson-Built, Inc. Intermittent sprinkler and system. 3,794,245, 2-26-74, Cl. 239-206.000.
Wilson, John Hart; deceased (by Wilson, Evelyn Egan; executrix; Sherrill, J. N., Jr.; and Hulver, Virginia Wilson; executrix). Traction drum winch which exerts a predetermined constant tension on a cable. 3,843,096, 10-22-74, Cl. 254-173.00r.
Wilson, John Henry, to United Kingdom Atomic Energy Authority. Freeze crystallization of saline water with a direct contact refrigerant. 3,835,658, 9-17-74, Cl. 62-58.000.
Wilson, John R.: *See—*
Griffin, Dana K.; and Wilson, John R., 3,827,100.
Wilson, John S.; Clark, Willard F.; and Slykhouse, Thomas E., to Dow Chemical Company, The. Method of making calcium nitrate explosive composition. 3,816,191, 6-11-74, Cl. 149-41.000.
Wilson, John Stuart; and Cutts, Ronald George. Apparatus for collection of sediment in bottled fluids. 3,856,169, 12-24-74, Cl. 215-6.000.
Wilson, Joseph G. Garden seeder. 3,799,081, 3-26-74, Cl. 111-96.000.
Wilson, Joseph R. Internally supported thin walled duct. 3,789,885, 2-5-74, Cl. 138-103.000.
Wilson, Katherine W.: *See—*
Gamarra, Jose P.; Swidler, Ronald; and Wilson, Katherine W., 3,811,131.
Swidler, Ronald; and Wilson, Katherine W., 3,841,832.
Wilson, Katherine W.; Swidler, Ronald; and Gamarra, Jose P., to Cotton, Incorporated. Process for creaseproofing cellulosic fiber-containing fabric using formaldehyde vapor and a solid and a solid catalyst. 3,837,799, 9-24-74, Cl. 8-115.600.
Wilson, Kenneth. Golf teaching apparatus. 3,794,329, 2-26-74, Cl. 273-191.00a.
Wilson, Kenneth A.; and Bogel, Graham D., to American Chain & Cable Company, Inc. Signal monitor for recurrent electrical signals. 3,792,195, 2-12-74, Cl. 178-6.800.
Wilson, Kenneth R.: *See—*
Hill, Kenneth L.; and Wilson, Kenneth R., 3,857,693.
Young, Sanford Tyler; and Wilson, Kenneth R., 3,801,625.
Wilson, Kenneth R. A.: *See—*
Bonn, Clifford; and Wilson, Kenneth R. A., 3,799,574.
Wilson, Kenneth R. A., to Irvin Air Chute Ltd. Vehicle safety apparatus. 3,836,167, 9-17-74, Cl. 280-150.0ab.
Wilson, Larry Ray: *See—*
Roman, William Clair; and Wilson, Larry Ray, 3,830,665.
Wilson, Lee, Engineering Company of Canada Ltd.: *See—*
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Wilson, Leroy. Disposable safety pin. 3,851,359, 12-3-74, Cl. 24-156.00r.
Wilson, Lester E., to Anderson Power Products, Inc. Adjustable mounting element for electrical connectors utilizing a pair of L-shaped members. 3,803,535, 4-9-74, Cl. 339-126.00r.
Wilson, Lester E., Jr. Navigation aid. 3,844,041, 10-29-74, Cl. 33-1.0sd.
Wilson, Lewis A.: *See—*
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Wilson, Lowell G.: *See—*
Benedict, Dale Gene; Blasi, Louis Richard; and Wilson, Lowell G., 3,822,655.
Wilson, Margaret I.: *See—*
Wilson, John C., 3,795,397.
Wilson, Marion Evans: *See—*
Faur, Yvonne Constance; Weisburd, Martin Harold; Wilson, Marion Evans; and May, Paul S., 3,846,241.
Wilson, Mark L. Dual shower head attachment device. 3,822,826, 7-9-74, Cl. 239-267.000.
Wilson, Mark L. Novelty smoker's pipe. 3,834,401, 9-10-74, Cl. 131-178.000.
Wilson, Melvin George: *See—*
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Wilson, Michael C.: *See—*
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Wilson, Nicol S.: *See—*
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Wilson, Patrick Oliver, to Illumination Industries, Inc. Illuminator for exposing color television tubes during the manufacturing process thereof and the like. 3,798,441, 3-19-74, Cl. 240-41.35r.
Wilson, Peter C.; and Hughart, Robert P., 50% each to Fiberfuge Company and Centrifugal and Mechanical Industries, Inc. Method for centrifugally removing liquid from a mixture. 3,814,246, 6-4-74, Cl. 210-78.000.
Wilson, Peter C.; and Hughart, Robert P. Recovering filter aid particles from filter cake. 3,831,746, 8-27-74, Cl. 209-2.000.
Wilson Pharmaceutical & Chemical Corporation: *See—*
Gallagher, John B.; and Van Ness, Laverne W., 3,796,636.
Given, William T.; and Stillman, Edwin L., 3,808,408.
Mancilla, Edward; Peting, Richard L.; and Van Ness, Laverne W., 3,817,831.
Wilson Pharmaceutical & Chemical Corporation, mesne: *See—*
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Henshilwood, Jack R., 3,783,106.
Wilson, Porter Carol. Field marking system and a marker therefor. 3,782,322, 1-1-74, Cl. 116-63.00p.
Wilson, Raymond F.: *See—*
Peck, Reese A.; and Wilson, Raymond F., 3,788,970.
Wilson, Raymond F.; Estes, John H.; and Kravitz, Stanley, to Texaco Inc. Production of alkylate. 3,816,294, 6-11-74, Cl. 208-61.000.
Wilson, Raymond F.; Peck, Reese A.; and Mih, Li C., to Texaco Inc. Conversion of paraffins. 3,827,969, 8-6-74, Cl. 208-89.000.
Wilson, Raymond F.; Peck, Reese A.; and Guptill, Frank E., Jr., to Texaco Inc. Split flow hydrodesulfurization and catalytic cracking of residue-containing petroleum fraction. 3,843,508, 10-22-74, Cl. 208-89.000.

Wilson, Raymond George, to Coal Industry (Patents) Limited. Apparatus for steering a longwall mineral machine. 3,817,578, 6-18-74, Cl. 299-1.000.

Wilson, Raymond W.; and Mckeon, Charles E., to Ford Motor Company. Tractor adjustable tread wheel construction. 3,817,580, 6-18-74, Cl. 301-1.000.

Wilson, Reagan T.: *See—*
Myers, John W.; and Wilson, Reagan T., 3,793,395.

Wilson, Richard C., to Aluminum Company of America. Ball bat construction. 3,811,596, 5-21-74, Cl. 220-24.00a.

Wilson, Richard C., to United States of America, Navy. Speed control mechanism. 3,818,802, 6-25-74, Cl. 91-443.000.

Wilson, Richard C., to Aluminum Company of America. Method of making a hollow metal bat with a uniform wall thickness. 3,854,316, 12-17-74, Cl. 72-370.000.

Wilson, Richard D. Hand star wrench. 3,847,042, 11-12-74, Cl. 81-175.000.

Wilson, Richard I., to Shakespeare Company. Hunting arrow. 3,854,723, 12-17-74, Cl. 273-106.50r.

Wilson, Richard John Hugh: *See—*
Lilly, Malcolm Douglas; Kay, Garth; Wilson, Richard John Hugh; and Sharp, Alister Kimball, 3,824,150.

Wilson, Richard W.: *See—*
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Wilson, Robert C., to Martin Marietta Corporation. Electronic direction finder. 3,816,834, 6-11-74, Cl. 343-113.00r.

Wilson, Robert C., Jr., to Mobil Oil Corporation. Catalyst of zinc-rare earth exchanged zeolite. 3,804,780, 4-16-74, Cl. 252-455.00z.

Wilson, Robert C., Jr., to Mobil Oil Corporation. Method of regenerating a hydrocarbon conversion catalyst to minimize carbon monoxide in regenerator effluent. 3,808,121, 4-30-74, Cl. 208-113.000.

Wilson, Robert Edmund: *See—*
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Wilson, Robert F.: *See—*
Murphy, William D.; Williams, George Norman; Wilson, Robert F.; and Zmuda, Edward I., 3,787,610.
Williams, George Norman; and Wilson, Robert F., 3,783,272.

Wilson, Robert H.: *See—*
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Wilson, Robert J., to General Motors Corporation. Firing circuit. 3,788,228, 1-29-74, Cl. 106-70.20r.

Wilson, Robert J.; and Naden, Robert W. Structural surface metal shingle covering. 3,848,383, 11-19-74, Cl. 52-533.000.

Wilson, Robert R.: *See—*
Jordon, William E.; and Wilson, Robert R., 3,818,391.

Wilson, Roderick T.: *See—*
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Wilson, Rollin V. Tip for toy arrows. 3,841,635, 10-15-74, Cl. 273-106.50a.

Wilson, Ronal E. Sewage lift station gas trap. 3,807,901, 4-30-74, Cl. 417-40.000.

Wilson, Ronald, to Lucas Electrical Company Limited, The. Starter motors. 3,848,148, 11-12-74, Cl. 310-209.000.

Wilson, Ronald H.; Blumenfeld, Samuel M.; Redington, Rowland W.; and Rosczak, Joseph S., to General Electric Company. Protective coating for diode array targets. 3,786,294, 1-15-74, Cl. 313-65.0ab.

Wilson, Ronald M.: *See—*
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Wilson, Ronald W., to Allis-Chalmers Corporation. Combine drive torque sensing. 3,842,637, 10-22-74, Cl. 74-230.17m.

Wilson, Roy E., to Allen-Bradley Company. Shaft seal. 3,854,733, 12-17-74, Cl. 277-82.000.

Wilson, Samuel H.: *See—*
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Wilson, Stanmore V.; and Matthews, Paul E., to United States Bronze Powders, Inc. Powdered metal process. 3,832,156, 8-27-74, Cl. 75-.50b.

Wilson, Steven J.: *See—*
Howard, Frank C.; and Wilson, Steven J., 3,815,475.

Wilson, Steven J.; and Howard, Frank C. Fastener driving tool with improved valve. 3,822,819, 7-9-74, Cl. 227-130.000.

Wilson, Stewart W.: *See—*
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Shenk, Edwin K.; and Wilson, Stewart W., 3,831,189.

Wilson, Stewart W.; and Shenk, Edwin K. Wideband frequency compensation system in a sound motion picture projector. 3,832,045, 8-27-74, Cl. 352-25.000.

Wilson, Thomas B., Jr. Impeller mechanism. 3,835,718, 9-17-74, Cl. 74-86.000.

Wilson, Thomas William: *See—*
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Wilson, Walter A.; and Bush, Glenn W., to Caterpillar Tractor Company. Coating a continuous metallic strip with pulverant material with a non-destructive measuring method. 3,801,349, 4-2-74, Cl. 117-31.000.

Wilson, Walter Fred. Retractable walls. 3,836,769, 9-17-74, Cl. 296-10.000.

Wilson Walton International Limietd: *See—*
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Wilson, Walton International Limited: *See—*
Martin, William Stephen; and Chappell, Michael John (said Chappel, Michael J., assor. to), 3,839,982.

Wilson, Warren M. Heat exchanger. 3,852,147, 12-3-74, Cl. 161-36.000.

Wilson, Wayne, to Beehive Medical Electronics, Inc. Analog meter display and apparatus for signal generation therefor. 3,833,933, 9-3-74, Cl. 340-324.00r.

Wilson, Wendell B. Process for diffusion bonding. 3,815,219, 6-11-74, Cl. 29-488.000.

Wilson, Wendell E., to Tel-E-Lect, Inc. Remote control circuits for hydraulic motors. 3,809,182, 5-7-74, Cl. 182-148.000.

Wilson, William, to Imperial Chemical Industries Limited. Processes for the manufacture of slub effect yarns. 3,812,668, 5-28-74, Cl. 57-157.00f.

Wilson, William A. Motorized agricultural type carrier. 3,825,087, 7-23-74, Cl. 180-6.480.

Wilson, William E.: *See—*
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Wilson, William J., to Motorola, Inc. Adaptive transistor switch. 3,786,279, 1-15-74, Cl. 307-254.000.

Wilson, William L.: *See—*
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Wilson, William L., 10% each to Terry, Virgil P. and Downing, Frank O. Dragline cleaner for open drainage ditches. 3,814,190, 6-4-74, Cl. 172-26.500.

Wilson, William T.: *See—*
Ebersman, Benjamin; Meehan, John V.; and Wilson, William T., 3,805,152.

Wilson, William W., to Rockwell International Corporation. Coupling. 3,853,338, 12-10-74, Cl. 285-86.000.

Wilson, William W., to Rockwell International Corporation. Coupling. 3,853,339, 12-10-74, Cl. 285-157.000.

Wilson-Haffenden, Philip, to Hoffenden-Richborough Limited. Bottle closures. 3,848,650, 11-19-74, Cl. 150-8.000.

Wilson-Sinclair Co.: *See—*
Karjala, Sulo A., 3,842,848.

Wilt, John E. Wild fowl decoy device. 3,811,221, 5-21-74, Cl. 46-180.000.

Wilt, Theodore G. Tank mounting structure. 3,857,576, 12-31-74, Cl. 280-5.00a.

Wilting, Hermanus Josephus Henricus, to U.S. Philips Corporation. Method of manufacturing an article and article manufactured by means of the method. 3,853,613, 12-10-74, Cl. 117-212.000.

Wilton Brass Company: *See—*
Wilton, Ralph P.; and Fitzpatrick, John J., 3,818,623.

Wilton Corporation: *See—*
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Wilton, Henry T., to American Optical Corporation. Specimen agitator. 3,831,554, 8-27-74, Cl. 118-416.000.

Wilton, Ralph P.; and Fitzpatrick, John J., to Wilton Brass Company. Composite service plate. 3,818,623, 6-25-74, Cl. 40-324.000.

Wilton, Raymond Charles; and Astley, Peter James, to Singer Company (U.K.) Ltd., The. Terrain model viewing device. 3,820,134, 6-25-74, Cl. 354-81.000.

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Wiltshire, Arthur J., to Structural Fibers, Inc. Method for injecting moldable material into a mold. 3,809,741, 5-7-74, Cl. 264-328.000.

Wiltshire, Arthur J., to Structural Fibers, Inc. Method for forming fiber preforms. 3,833,698, 9-3-74, Cl. 264-91.000.

Wilwerding, Dennis J., to Honeywell Inc. Light sensor with false quench inhibit circuit and temperature compensation. 3,793,556, 2-19-74, Cl. 315-156.000.

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Windle, John Charles. Combination lock. 3,844,147, 10-29-74, Cl. 70-298.000.

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Winfield, Merle; deceased (by Paquette, Richard N.; Petitioner), to McCulloch Corporation. Method and apparatus for starting an internal combustion engine. 3,824,978, 7-23-74, Cl. 123-179.000.

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Winquist, Knut Ludvig: *See*—
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Winquist, S. William. Symbolically reinforced golf club head. 3,814,437, 6-4-74, Cl. 273-167.00r.

Winrow, John C. Ball projecting apparatus. 3,804,071, 4-16-74, Cl. 124-16.000.

Winsel, August, to Varta Aktiengesellschaft. Method and apparatus for the removal of carbon dioxide from gas mixtures and fuel cell combination. 3,785,870, 1-15-74, Cl. 136-86.00c.

Winshel, Alan W. Circumcision surgical tool. 3,783,875, 1-8-74, Cl. 128-318.000.

Winslow, Gerald R., to General Motors Corporation. Energy absorbing seat support assembly. 3,806,190, 4-23-74, Cl. 297-216.000.

Winslow, John M., to Minnesota Mining and Manufacturing Company. Light-sensitive heat-developable sheet material. 3,847,612, 11-12-74, Cl. 96-67.000.

Winslow, Nathan E., Jr.: *See*—
Clark, George W.; and Winslow, Nathan E., Jr., 3,820,608.

Winsor, Robert Beck, to IEC-Holden Ltd. Variable force hopper gate actuating mechanism. 3,827,374, 8-6-74, Cl. 105-282.00p.

Winstead, Thomas W. Continuous method of manufacturing articles from foamed thermoplastic material. 3,789,095, 1-29-74, Cl. 264-51.000.

Winstead, Thomas W. Method of forming foamed plastic sheets. 3,830,900, 8-20-74, Cl. 264-51.000.

Winstead, Thomas W. Continuous process for extruding cellular thermoplastics. 3,830,901, 8-20-74, Cl. 264-51.000.

Winstel, Gunter; and Jochen, Peter, to Siemens Aktiengesellschaft. Apparatus for the production of homogeneous and plane parallel epitactic growth layers of semiconducting compounds by melt epitaxy. 3,839,991, 10-8-74, Cl. 118-620.000.

Winston, Charles D.: *See*—
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Winston, Emanuel A. Filament actuated vehicle. 3,785,082, 1-15-74, Cl. 46-210.000.

Winston, Emanuel A. Wheel drive toy. 3,816,958, 6-18-74, Cl. 46-202.000.

Winston, Emanuel A. Modular spice rack. 3,851,937, 12-3-74, Cl. 312-111.000.

Winston, James F.; Greer, William J.; and Steele, Malcolm S., to Jones & Laughlin Steel Corporation. Calibration apparatus and method for an Eddy current Phase sensitive detector. 3,826,976, 7-30-74, Cl. 324-40.000.

Winston, John H.: *See*—
Donohue, James A.; Winston, John H.; and Ward, Harry M., III, 3,845,747.

Winston, Theodore: *See*—
Fomenko, Sergei M.; Coker, Frank B.; Hauser, Frank W.; Muller, Alex M.; Smith, Remy J.; and Winston, Theodore, 3,818,126.

Winter, Augustus P. Turnbuckle drive. 3,803,926, 4-16-74, Cl. 74-89.150.

Winter, Charles M. Trailer hitch for passenger motor vehicle. 3,790,189, 2-5-74, Cl. 280-423.00r.

Winter, Charles M. Trailer hitch for passenger motor vehicle. 3,801,135, 4-2-74, Cl. 280-423.00r.

Winter, Charles M. Trailer hitch mechanism. 3,834,735, 9-10-74, Cl. 280-423.00r.

Winter, Frank Donald; and Truswell, Laurence Derrick, to British Steel Corporation. Furnace electrode clamp. 3,804,966, 4-16-74, Cl. 13-16.000.

Winter, George R., III; Stine, Laurence O.; and Vande Ven, John E., to Universal Oil Products Company. Catalyst sampling apparatus. 3,786,682, 1-22-74, Cl. 73-421.00b.

Winter, Gerhard: *See*—
Holle, Bernd; and Winter, Gerhard, 3,853,575.
Lailach, Gunter; and Winter, Gerhard, 3,823,009.
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Schindler, Herbert; and Winter, Gerhard, 3,793,661.

Winter, Gerhard; and Mansmann, Manfred, to Bayer Aktiengesellschaft. Modified alkali metal hexatitanate and process of producing same. 3,794,507, 2-26-74, Cl. 106-299.000.

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Winter, Hans-Jurgen: *See*—
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Winter, Henry A., Jr., to Smith International, Inc. Earth drilling apparatus and method. 3,835,940, 9-17-74, Cl. 175-85.000.

Winter, Hermann; Smolinski, Manfred; Wolf, Hans-George; Roll, Harry; Hoffmann, Kurt; and Jacob, Helmut, to Chemische Werke Huls Aktinegesellschaft. Apparatus for the preparation of emulsifier containing polyvinyl chloride or vinyl chloride copolymer powder. 3,805,869, 4-23-74, Cl. 159-4.00b.

Winter, Jon E., to Wilkerson Corporation. Piston actuated automatic drain filter. 3,793,803, 2-26-74, Cl. 55-218.000.

Winter, Joseph: *See*—
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Setzer, William C.; Cheskis, Harvey P.; and Winter, Joseph, 3,787,248.
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Winter, Karl, to GEAG Concordia Elektrizitats-Aktiengesellschaft. Method of purifying gases containing combustible gaseous or vaporous impurities. 3,853,985, 12-10-74, Cl. 423-210.000.

Winter, Klaus, to International Telephone and Telegraph Industries, Inc. Vane-type hydraulic pump. 3,813,187, 5-28-74, Cl. 417-79.000.

Winter, Peter, to Brown, Boveri & Company Limited. Static converter arrangement. 3,789,233, 1-29-74, Cl. 307-17.000.

Winter, Peter John: *See*—
Powell, John Lawrence; Winter, Peter John; and Pritchard, Ernest, 3,852,428.

Winter, Phillip M., to Minnesota Mining and Manufacturing Company. High intensity shot peening. 3,834,200, 9-10-74, Cl. 72-53.000.

Winter, Phillip M.; and Gardner, Gary A., to Minnesota Mining and Manufacturing Company. Shot peening. 3,857,750, 12-31-74, Cl. 161-87.000.

Winter, Roland A. E.: *See—*
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Winter, Roland A. E., to Ciba-Geigy Corporation. Processable polyimides and polyamide-imides containing polyolefinic insaturated imides. 3,842,143, 10-15-74, Cl. 260-857.0pa.

Winter, Werner; Thiel, Max; Stach, Kurt; Dietmann, Karl; and Bartsch, Wolfgang, to Boehringer Mannheim GmbH. Amino acid derivatives. 3,793,365, 2-19-74, Cl. 260-471.00a.

Winter, Werner; Thiel, Max; Stoch, Kurt; Schaumann, Wolfgang; Dietmann, Karl; and Ritter, Klaus, to Boehringer Mannheim GmbH. Amino-guanidine derivatives useful for regulating blood pressure. 3,803,324, 4-9-74, Cl. 424-326.000.

Winter, William Robert; and Wadley, Clark Searle, to Abbott Laboratories. Disposable culture device. 3,816,264, 6-11-74, Cl. 195-139.000.

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Winterbottom, Kenneth: *See—*
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Dobinson, Bryan; and Winterbottom, Kenneth, 3,856,464.
Massy, Derek James Rowland; and Winterbottom, Kenneth, 3,832,131.

Winterburn, Charles Barry; and Scholes, Thomas, to Winterburn, Joseph, Limited. Roll doctor apparatus. 3,803,665, 4-16-74, Cl. 15-256.510.

Winterburn, Joseph, Limited: *See—*
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Wintercorn, Andrew F. Electric safety razor. 3,802,072, 4-9-74, Cl. 30-43.400.

Wintergreen, Charles J.: *See—*
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Winters, Donald C., to Congoleum Industries, Inc. Felt backing for vinyl floor covering having a binder comprised of synthetic rubber latex and a reactive thermoset resin. 3,833,459, 9-3-74, Cl. 162-155.000.

Winters, Frederick: *See—*
Chierici, Osvaldo F.; and Winters, Frederick, 3,809,251.

Winters, Giorgio: *See—*
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Winters, R. F. Two wheel drive bicycle. 3,823,959, 7-16-74, Cl. 280-234.000.

Winters, Ralph J.: *See—*
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Winters, Raymond Lewis, to Ehrsam Company, The. Accumulating load trolley and conveyor system. 3,793,965, 2-26-74, Cl. 104-172.00s.

Winters, Robert E.; and McDonald, Charles H. Pavement composition. 3,844,668, 10-29-74, Cl. 404-72.000.

Winters, Ted W.: *See—*
Bell, Richard A.; Wallace, Earl C.; and Winters, Ted W., 3,856,347.

Winters, Terence E.; and Sponseller, Trent A., to Goodyear Tire & Rubber Company, The. Polyester composition having a control peak exotherm with isocyanate. 3,794,592, 2-26-74, Cl. 252-182.000.

Winters, William C.: *See—*
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Wintershall Aktiengesellschaft: *See—*
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Winther, Charles R.: *See—*
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Winther, Harry C., 3,828,149.

Winther, Harry C., 38% to Winther, Walter J., 10% to Winther, Charles R., 5% to Winther, William J. and 1% to Winther, Shirley M. Vehicle tire deflation signalling means. 3,827,393, 8-6-74, Cl. 116-34.00r.

Winther, Harry C., 38% to Winther, Walter J., 10% to Winther, Charles R., 5% to Winther, William J. and 1% to Winther, Shirley M. Mechanically-resetting tire deflation signalling system. 3,828,149, 8-6-74, Cl. 200-61.250.

Winther, John L. Outboard motor powered low lift pump. 3,851,996, 12-3-74, Cl. 417-61.000.

Winther, Shirley M.: *See—*
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Winther, Harry C., 3,828,149.

Winther, Thorkil. Body-attachable steam pack cover. 3,815,610, 6-11-74, Cl. 128-380.000.

Winther, Walter J.: *See—*
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Winther, Harry C., 3,828,149.

Winther, William J.: *See—*
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Winther, Harry C., 3,828,149.

Winthrop, John Talley; Van Ligten, Raoul Fredrik; and Lawton, Kenneth Charles, to American Optical Corporation. Apparatus and method for detecting and viewing transparent objects in the vitreous humor. 3,850,527, 11-26-74, Cl. 356-129.000.

Winton, Benjamin A., to Fresh-Flo Corporation. Aerator. 3,796,414, 3-12-74, Cl. 261-29.000.

Winton, Gordon R. Humidifier. 3,799,513, 3-26-74, Cl. 261-19.00r.

Winton, Herbert D., to Ballmatic Corporation. Air admission valve for internal combustion engines equipped with pollution control valve. 3,809,035, 5-7-74, Cl. 123-119.00b.

Winton, Sidney V.: *See—*
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Winyall, Milton E.: *See—*
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Winyall, Milton E.; and Acker, Ellsworth G., to Grace, W. R., & Co. Process for preparing silica organogel. 3,803,046, 4-9-74, Cl. 252-317.000.

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Winzeler, James E.; and McClure, William M., to Caterpillar Tractor Company. Clutch with controlled coolant flow. 3,823,802, 7-16-74, Cl. 192-113.00b.

Winzeler Stamping Company: *See—*
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Winzen Research, Inc.: *See—*
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Winzer, Gerhard, to Siemens Aktiengesellschaft. Coherent-optical image converter. 3,828,187, 8-6-74, Cl. 250-213.0vt.

Winzer, Gerhard, to Siemens Aktiengesellschaft. Light projection apparatus. 3,851,961, 12-3-74, Cl. 353-38.000.

Wion, Donald Andrew, to AMP Incorporated. Manual assist terminal applicator. 3,804,603, 4-16-74, Cl. 29-203.00d.

Wirch, Charles E. Method for making framing construction with premortised plates. 3,851,372, 12-3-74, Cl. 29-428.000.

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Wireman, Jack; Linda, Yorba; and Kosla, Leslie A., to AMF Incorporated. Tire tread winding machine having a mechanically programmed control system. 3,843,482, 10-22-74, Cl. 156-350.000.

Wirfelt, Sven Axel Olof, to Sandvik Aktiebolag. Milling cutter. 3,786,545, 1-22-74, Cl. 29-105.00r.

Wirfelt, Sven Axel Olof, to Sandvik Aktiebolag. Cutting tool. 3,838,500, 10-1-74, Cl. 29-568.000.

Wirfelt, Sven Axel Olof, to Sandvik Aktiebolag (a/k/a Sandvikens Jernverks Aktiebolag). Milling cutter. 3,855,680, 12-24-74, Cl. 29-105.00a.

Wirges, Winfried, to Stabilus Industrie- und Handelsgesellschaft mbH. Control mechanism for the tilting back of a seat. 3,807,796, 4-30-74, Cl. 297-355.000.

Wirges, Winfried, to Stabilus GmbH. Apparatus for bleeding metered increments of a compressed gas from a container. 3,837,355, 9-24-74, Cl. 137-322.000.

Wirstein, Arthur N.: *See—*
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Wirstrom, Roland T. Cuting apparatus. 3,850,061, 11-26-74, Cl. 83-4.000.

Wirt, Leslie S., to Lockheed Aircraft Corporation. Apparatus for noise and air pollution abatement. 3,820,627, 6-28-74, Cl. 181-33.00g.

Wirt, Leslie S., to Lockheed Aircraft Corporation. Sound absorbing panel. 3,831,710, 8-27-74, Cl. 181-33.00g.

Wirt, Leslie Spencer; and Morrow, Duane Lloyd, to Lockheed Aircraft Corporation. Controllable laminar sound absorptive structure. 3,819,007, 6-25-74, Cl. 181-33.00g.

Wirt, Leslie Spencer; and Morrow, Duane Lloyd, to Lockheed Aircraft Corporation. Apparatus and method for the measurement of acoustic absorption and impedance. 3,824,842, 7-23-74, Cl. 73-69.000.

Wirtgen, Reinhard. Machine for cutting or stripping pavement. 3,822,956, 7-9-74, Cl. 404-95.000.

Wirtgen, Reinhard. Apparatus for milling road surfaces. 3,829,161, 8-13-74, Cl. 299-39.000.

Wirth, Arno H. Electrostatic flocking equipment. 3,842,315, 10-15-74, Cl. 317-3.000.

Wirth, Christian; and Albi, George J., said Christian Wirth assor. to Hooker Chemical Corporation. Method of introducing breathability to a non-porous continuous plastic film. 3,794,548, 2-26-74, Cl. 161-89.000.

Wirth, Gallo & Co.: *See—*
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Wirth, Gary J.: *See—*
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Wirth, Gary J., to Uniflo Systems Company. Proportional on/off valve. 3,815,866, 6-11-74, Cl. 251-25.000.

Wirth, John J. C. Abrading aid containing paraffin and an inhibitor. 3,833,346, 9-3-74, Cl. 51-306.000.

Wirth, Joseph G.: *See—*
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Heath, Darrell R.; and Wirth, Joseph G., 3,847,867.
Heath, Darrell R.; and Wirth, Joseph G., 3,852,244.

Wirth, Joseph G.; and Heath, Darrell R., to General Electric Company. Process for making polyetherimides. 3,787,364, 1-22-74, Cl. 260-61.000.

Wirth, Joseph G.; and Heath, Darrell R., to General Electric Company. Process for making polyetherimides and products derived therefrom. 3,838,097, 9-24-74, Cl. 260-49.000.

Wirth, Pierre Charles, to Societe Generale de Recherches et d'Applications Scientifiques (SOGERAS). Salts of nitrogen bases and polysaccharide sulfates. 3,832,340, 8-27-74, Cl. 260-210.00e.

Wirth, Pierre-Charles; and Tixier, Rene, to Societe Generale de Recherches et d'Applications Scientifiques (SOGERAS). Fixation of nitrogenous materials. 3,836,433, 9-17-74, Cl. 195-68.000.

Wirth, Robert A., Sr. Tire and wheel carrier. 3,843,033, 10-22-74, Cl. 224-42.240.

Wirth, Wayne M., to Minnesota Mining and Manufacturing Company. Locking latch for a disk-pack storage container. 3,785,184, 1-15-74, Cl. 70-63.000.

Wirth, Wolf-Dieter: *See—*
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Wirtz, John S.; and Nellis, David C., to Itek Corporation. System for detecting a change in light intensity. 3,812,372, 5-21-74, Cl. 250-561.000.

Wirtz Manufacturing Company, Inc.: *See—*
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Wirtz, Peter: *See—*
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Wirtz, Rainer, to Bosch, Robert, GmbH. Multi-phase thyristor inverter circuit. 3,825,813, 7-23-74, Cl. 321-5.000.

Wirtz, Rudolf: *See—*
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Wirtz, Walter: *See—*
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Wirz, Armin, to Rieter Machine Works, Ltd. Apparatus for cutting a thread on a draw-spin-winding machine. 3,807,270, 4-30-74, Cl. 83-571.000.

Wirz, Arno, to Heidelberger Druckmaschinen Aktiengesellschaft. Sheet feeding apparatus for printing presses. 3,809,389, 5-7-74, Cl. 271-91.000.

Wirz, Herbert A. Apparatus for compressing refuse. 3,789,752, 2-5-74, Cl. 100-98.00r.

Wirz, Peter: *See—*
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Wisbey, Philip Henry, to Marconi Company, Limited, The. Semiconductor device mounting arrangements. 3,857,115, 12-24-74, Cl. 333-84.00m.

Wischow, Russell P.: *See—*
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Wisdom, Lawrence W.; and Hilton, Barney W., to Frito-Lay, Inc. Process for producing potato chips. 3,835,222, 9-10-74, Cl. 426-49.000.

Wisdom, Lawrence W., to Frito-Lay, Inc. Process for imparting design on surfaces of food material. 3,851,075, 11-26-74, Cl. 426-250.000.

Wise, Albert W.: *See—*
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Hamb, Fredrick L.; Hiller, Gary L.; and Wise, Albert W., 3,856,527.

Wise, Carlton H. Coupling for hose, pipe, tubing or the like. 3,843,169, 10-22-74, Cl. 285-39.000.

Wise, Eugene H., to Sloane, R. & G., Manufacturing Company, Inc. Method of forming a lap joint between tubular articles of thermoplastic material. 3,788,928, 1-29-74, Cl. 156-294.000.

Wise, Harold L.; Pearce, Harry H.; Schreider, Milton H.; and Walters, Arley, to Shell Oil Company. Soil sampling auger. 3,857,289, 12-31-74, Cl. 73-421.50r.

Wise, James C.; and Rana, Victoriano F., to Harris-Intertype Corporation. Method and apparatus for storing sheet material articles. 3,840,130, 10-8-74, Cl. 214-10.50r.

Wise, James Chapman, to Harris-Intertype Corporation. Signature collating system and method. 3,833,212, 9-3-74, Cl. 270-58.000.

Wise, John Arthur; Wellings, Raymond Joseph; and Williams, Eric, to Lucas Aerospace Limited. Hydraulic engine starting systems. 3,811,281, 5-21-74, Cl. 60-413.000.

Wise, John Brenton, III: *See—*
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Wise, John D. Automatic house painter. 3,847,112, 11-12-74, Cl. 118-7.000.

Wise, John J.: *See—*
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Wise, John J.; and Burd, Samuel D., Jr., to Mobil Oil Corporation. Upgrading of reformates by catalyst compositions selective for cracking low and high boiling paraffin components. 3,849,290, 11-19-74, Cl. 208-66.000.

Wise, Joseph Agusta, to AMP Incorporated. Ignition cable having predetermined resistance. 3,801,950, 4-2-74, Cl. 338-66.000.

Wise, Kenneth J. Dresser for abrasive wheels. 3,827,422, 8-6-74, Cl. 125-37.000.

Wise, Kenneth V., to Monsanto Company. Method of making a uranium-antimony oxide catalyst. 3,816,596, 6-11-74, Cl. 423-253.000.

Wise, Layton A.: *See—*
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Wise, Lewis Abraham; and Grimm, John E., to Ross, Will, Inc. Disposable anesthesia device. 3,820,959, 6-28-74, Cl. 23-284.000.

Wise, Louis M.; and Bozek, Edmund J. Jr., to American Home Products Corporation. Caustic cleaner composition. 3,829,387, 8-13-74, Cl. 252-156.000.

Wise, Mark J.: *See—*
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Wise, Mark J., to Flexicore Co., Inc., The. Composite slab casting form. 3,790,120, 2-5-74, Cl. 249-50.000.

Wise, Richard M.: *See—*
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Wise, Robert F. Coin adjusting mechanism for newspaper dispensers. 3,791,506, 2-12-74, Cl. 194-71.000.

Wise, Robert G.: *See—*
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Wise, Robert G.; and Wiebe, Harold D., to Cincinnati Milacron Inc. Electronic velocimeter. 3,820,024, 6-25-74, Cl. 324-165.000.

Wise, Robert G.; and Wiebe, Harold Dean, to Cincinnati Milacron Inc. Phase detector. 3,826,988, 7-30-74, Cl. 328-133.000.

Wise, Warren M., to Corning Glass Works. Chloride sensing electrode. 3,801,486, 4-2-74, Cl. 204-195.001.

Wise, William Sydney: *See—*
Robinson, Joseph Gordon; and Wise, William Sydney, 3,787,343.

Wiseman, Ben W., Jr. Method of putting out oil well fires. 3,782,474, 1-1-74, Cl. 169-2.00r.

Wiseman, Minor R.; and Schoreder, Rondon L., to Continental Oil Company. Holiday detector and coating resistivity checker. 3,810,007, 5-7-74, Cl. 324-62.000.

Wiseman, Thomas James: *See—*
Pritchard, David William; and Wiseman, Thomas James, 3,825,438.

Wiseman, Woodrow W., to Westinghouse Electric Corporation. Water level indicator and control. 3,852,380, 12-3-74, Cl. 261-27.000.

Wisenbaker, Edward M. Rotary screw switch. 3,835,272, 9-10-74, Cl. 200-60.000.

Wiser, Verlon E.; and McCallie, Charles W., to Hasbro Industries, Inc., mesne. Apparatus for handling and drying pencil leads. 3,791,504, 2-12-74, Cl. 198-1.000.

Wisherd, David S., to Motorola, Inc. Parallel transmission line matching network for connecting together a plurality of R.F. amplifier transistors. 3,784,932, 1-8-74, Cl. 333-9.000.

Wisinski, Adam Prus: *See—*
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Wisinski, Adam Prus, to ICI Australia Limited. Pipeline for delivering cross-linked slurried explosive. 3,848,507, 11-19-74, Cl. 86-1.00r.

Wiskott, Erik, to Therachemie Chemisch Therapeutische GmbH. Process and composition for dyeing of human hair. 3,826,608, 7-30-74, Cl. 8-10.100.

Wiskott, Erik, to Therachemie Chemisch Therapeutische GmbH. Method and compositions for the dyeing of human hair. 3,849,064, 11-19-74, Cl. 8-10.200.

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Wismer, Marco; Pohan, Charles; Miller, Kenneth E.; and Hansen, Charles M., to PPG Industries, Inc. Method of forming opaque films. 3,823,027, 7-9-74, Cl. 117-93.310.

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Wisniewski, Wladyslaw; Piotrowski, Jan; and Szeler, Zbigniew W., to Centrum Techniki Okretowej, Przedsiebiorstow Panstwowe Wyodrebnione. Variable-capacity sliding-vane pump. 3,824,045, 7-16-74, Cl. 418-30.000.

Wisofsky, Serge S., to Orb, Inc. Water hammer pile driving with condensable vapor reset. 3,800,548, 4-2-74, Cl. 61-53.500.

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Wisotsky, Serge S., to Orb, Inc. Evacuated tube water hammer pile driving. 3,824,797, 7-23-74, Cl. 61-53.500.

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Wisotsky, Serge S. Pile driving method and apparatus. 3,846,991, 11-12-74, Cl. 61-53.500.

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Wiss, John W. Reflectively coated combustion chamber for internal combustion engines and method of using same. 3,855,986, 12-24-74, Cl. 123-191.00a.

Wissbrun, Kurt F., to Celanese Corporation. Stress-crack resistant polyhydroxy-ether polymers. 3,821,160, 6-28-74, Cl. 260-45.70s.

Wissbrun, Kurt Falke: *See—*
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Wissinger, Waldemar; Kurth, Josef; and Gauchel, Peter, to Dynamit Nobel Aktiengesellschaft. Apparatus for the extrusion of hollow articles. 3,784,345, 1-8-74, Cl. 425-325.000.

Wissman, Bernard. Composite drill. 3,850,054, 11-26-74, Cl. 76-108.00r.

Wissmann, Ing Kurt. Reciprocating conveyors. 3,797,637, 3-19-74, Cl. 198-221.000.

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With, Bror. Ski binding of the toe binding type. 3,823,953, 7-16-74, Cl. 280-11.35b.

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Withers, James G., Jr.; Habdas, Edward P.; and Jurmo, Michael W., to Universal Oil Products Company. Method of designing internally ridged heat transfer tube for optimum performance. 3,841,136, 10-15-74, Cl. 72-367.000.

Withers, James G., Jr.; and Rieger, Klaus K., to Universal Oil Products Company. Heat transfer tube having multiple internal ridges. 3,847,212, 11-12-74, Cl. 165-179.000.

Withers, Michael Somerville, to Du Pont de Nemours, E. I., and Company. Process for bonding rib structures of thermoplastic resin. 3,821,051, 6-28-74, Cl. 156-203.000.

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Witkowski, Joseph T.; and Robins, Roland K., to ICN Pharmaceuticals, Inc. 1,2,4-Triazole nucleosides. 3,798,209, 3-19-74, Cl. 260-211.50r.

Witman, Jack H., to Armstrong Cork Company. Embossed surface covering having enhanced three-dimensional effect. 3,808,024, 4-30-74, Cl. 177-11.000.

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Witte, Ernst-Christian; Stach, Kurt; Thiel, Max; Roesch, Androniki; and Roesch, Egon, to Boehringer Mannheim GmbH. Coumarin-7-yloxy-alkyl piperazine compounds. 3,810,898, 5-14-74, Cl. 260-268.0bc.

Witte, Helmut; and Seeliger, Wolfgang, to Chemische Werke Huls Aktiengesellschaft. Process for the production of cyclic imidic acid esters. 3,813,378, 5-28-74, Cl. 260-244.000.

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Witte, Waldemar; and Langer, Alois, said Langer assor. to said Witte Witte, Waldemar. Electrical appliance powered by self-contained rechargeable battery. 3,835,309, 9-10-74, Cl. 240-10.6ch.

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Wittekind, Raymond R.; and Shavel, John, Jr., to Warner-Lambert Company. 2-Amino-1-(2-imidazolin-2-yl)-2-imidazolines. 3,803,157, 4-9-74, Cl. 260-296.00r.

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Wittekind, Raymond R.; and Shavel, John, Jr., to Warner-Lambert Company. 2-Amino-1-(2-imidazolin-2-yl)-2-imidazolines. 3,840,554, 10-8-74, Cl. 260-309.600.

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Witzel, Bruce E.; and Shen, Tsung-Ying, to Merck & Co., Inc. Biphenyleneacetic acid anti-inflammatory agents. 3,849,572, 11-19-74, Cl. 424-304.000.

Witzel, Bruce E.; Shen, Tsung-Ying; Graham, Patricia M.; Clark, Robert L.; and Pessolano, Arsenio A., to Merck & Co., Inc. Certain 1-substituted-3-amino-1(2H)pyridones. 3,853,897, 12-10-74, Cl. 260-296.00r.

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Wixson, Mahlon S., to United States of America, Navy. Tungsten inert gas welding control unit with a filler metal feeding means. 3,808,397, 4-30-74, Cl. 219-131.00r.

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Wochnowski, Waldemar, to Hauni-Werke, Korber & Co. KG. Method and apparatus for conditioning tobacco. 3,799,176, 3-26-74, Cl. 131-135.000.

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Wodrich, Geotz Werner; Heckh, Gerhard; and Zerweckh, Manfred, to Siemens Aktiengesellschaft. Slot nozzle for isotope separation of gaseous compounds. 3,853,528, 12-10-74, Cl. 55-434.000.

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Woebcke, Herman N., to Stone & Webster Engineering Corporation. Horizontal high severity furnace. 3,820,955, 6-28-74, Cl. 23-277.00r.

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Woelz, Donald D.: *See*—
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Wohlabaugh, Leonard M., to Eltee Pulsitron. Gap condition detector circuit. 3,843,864, 10-22-74, Cl. 219-69.00c.

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Wojtowicz, Edward A., to Burroughs, Corporation. Linear to linear motion apparatus including a bidirectional spring clutch having means to inhibit automatic shifting. 3,813,953, 6-4-74, Cl. 74-89.170.

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Wolf, Charles B.; Fey, Maurice G.; and Azinger, Frederick A., Jr., to Westinghouse Electric Corporation. Arc heater with integral fluid and electrical ducting and quick disconnect facility. 3,832,519, 8-27-74, Cl. 129-121.00p.

Wolf, Donald Timothy, to Dentsply Research & Development Corporation. Dental alloy. 3,841,860, 10-15-74, Cl. 75-.50r.

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Wolf, Edward M.; and Koll, Stanley J., to American Flange & Manufacturing Co. Inc. Infant feeding package. 3,812,992, 5-28-74, Cl. 215-253.000.

Wolf, Edward Russell. Three-phase transformer-rectifier assembly for a welder. 3,840,720, 10-8-74, Cl. 219-116.000.

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Wolf, George Robert, to Stauffer Chemical Company. Pigmented masonry water repellent composition containing alkyltrialkoxy silane-alkyl orthosilicate reaction product silicone resin. 3,849,357, 11-19-74, Cl. 260-29.6nr.

Wolf, Gerhard: *See*—
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Wolf, Gerrit, to U.S. Philips Corporation. Amplifier arrangement. 3,801,921, 4-2-74, Cl. 330-15.000.
Wolf, Gilbert H., to General Motors Corporation. Tire blowout simulator. 3,838,717, 10-1-74, Cl. 141-65.000
Wolf, Gunter; and Willing, Wilfried, to Strunck, H., & Co., Maschinenfabrik. Continuous sterilizing apparatus. 3,797,567, 3-19-74, Cl. 165-120.000.
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Wolf, Leo. Slide switch for electrical strip cable. 3,846,596, 11-5-74, Cl. 200-16.00d.
Wolf, Leonard H., Jr. Brushing accessory for spin filter. 3,857,786, 12-31-74, Cl. 210-331.000.
Wolf, Leopold. Tripod carrier. 3,826,513, 7-30-74, Cl. 280-79.100.
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Wolf, Peter. Method of reducing the interference signals during the transmission of AF signals in time-compressed form. 3,819,852, 6-25-74, Cl. 178-5.600.
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Wolf, Robert L., to Mount Sinai Research Foundation, Inc. Radioimmunoassay of angiotensin and renin activity. 3,843,775, 10-22-74, Cl. 424-1.000.
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Wolf, William D., to Monsanto Company. Forming deep articles having relatively balanced molecular orientation. 3,814,784, 6-4-74, Cl. 264-89.000.
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Wolfheimer, Albert Daniel: *See*—
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Wolk, Ronald H.; Chervenak, Michael C.; and Alpert, Seymour B., to Hydrocarbon Research, Inc. High conversion hydrogenation. 3,788,973, 1-29-74, Cl. 208-59.000.
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Woloszyk, Alexander F., to Chrysler Corporation. Machine guard. 3,803,943, 4-16-74, Cl. 74-612.000.
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Wolowitz, William H. Composite inking and obliterating typewriter ribbon. 3,825,104, 7-23-74, Cl. 197-172.000.
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Wolpert, John F., to United States of America, Navy. Bolt locking mechanism for reciprocating gun. 3,848,510, 11-19-74, Cl. 89-173.000.
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Wood, David, to Masson Scott Thrissell Engineering Limited. Fault detection systems for conveyors. 3,801,780, 4-2-74, Cl. 250-223.00r.
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Wood, David F.; and Murphy, Richard F., to LFE Corporation. Caliper gauge. 3,854,322, 12-17-74, Cl. 73-37.500.
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Harris, John P.; Mantey, John P.; and Wood, David R., 3,836,833.
Wood, Derek John, to Imperial Chemical Industries, Limited. Valve. 3,788,355, 1-29-74, Cl. 137-625.110.
Wood, Donald B.: *See—*
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Wood, Guy B., to Weston Instruments, Inc. Scanning head for inspecting material having parallel strands. 3,854,046, 12-10-74, Cl. 250-358.000.
Wood, Gwendolyn B.: *See—*
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Wood, Hamish Christopher Swan; and Stuart, Alexander, to University of Stratchclyde, The. Pieridine derivatives and method. 3,801,643, 4-2-74, Cl. 260-584.00a.
Wood, Hamish Christopher Swan; Stuart, Alexander; Curran, Adrian Charles Ward; and Al-Hassan, Saieba. Amino pyrimidines. 3,810,893, 5-14-74, Cl. 260-256.40c.
Wood, Hamish Christopher Swan; and Stuart, Alexander, to University of Strathclyde, The. Pteridine derivatives and method. 3,816,450, 6-11-74, Cl. 260-326.00a.
Wood, Harold: *See—*
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Wood, Harold V.: *See—*
Brown, Terry D.; and Wood, Harold V., 3,807,221.
Wood, Henry P. Apparatus for reducing smog producing emission from internal combustion engines. 3,841,283, 10-15-74, Cl. 123-119.00r.
Wood, Howard J.; and Greiner, James A., to Engineered Products. Sewage comminutor. 3,797,762, 3-19-74, Cl. 241-36.000.
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Wood, James E.; Strecker, Larry A.; and Cratz, Robert E., to Inmont Corporation. Cable sealant. 3,830,953, 8-20-74, Cl. 174-23.00c.
Wood, James F.: *See—*
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Wood, John Frederick Barry: *See—*
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Wood, John L.: *See—*
Kraus, Alfred P.; Kraus, Lorraine M.; and Wood, John L., 3,856,624.
Wood, Kenneth D. Separator means for combines. 3,808,780, 5-7-74, Cl. 56-14.600.
Wood, Kenneth E.; Parrish, William F.; and Kennedy, Paul G., to Westinghouse Electric Corporation. Scan conversion apparatus. 3,792,194, 2-12-74, Cl. 178-6.800.

Wood, Lawrence M., to Eastman Kodak Company. Exposure control apparatus. 3,836,983, 9-17-74, Cl. 354-258.000.
Wood, Loren E.: *See—*
Ludwig, Gary J.; and Wood, Loren E., 3,815,779.
Ludwig, Gary Joe; and Wood, Loren E., 3,834,580.
Wood, Louis L.; Kehr, Clifton L.; and Frisch, Kurt C., to Grace, W. R., & Co. Seed-foam-fabric composite. 3,812,618, 5-28-74, Cl. 47-56.000.
Wood, Louis L.; and Frisch, Kurt C., to Grace, W. R., & Co. Horticultural foam structures and method. 3,812,619, 5-28-74, Cl. 47-58.000.
Wood, Louis L.; Messina, Philip; and Frisch, Kurt C., to Grace, W. R., & Co. Method of preparing porous ceramic structures by firing a polyurethane foam that is impregnated with inorganic material. 3,833,386, 9-3-74, Cl. 106-41.000.
Wood, Lowell L., to United States of America, Atomic Energy Commission. X-ray laser. 3,823,325, 7-9-74, Cl. 250-493.000.
Wood, M. Dale, 50% to Meltzer, Harold. Process and apparatus for purification of materials. 3,814,680, 6-4-74, Cl. 210-64.000.
Wood, M. Dale, 50% to Meltzer, Harold. Method and apparatus for purifying fluids. 3,837,800, 9-24-74, Cl. 21-54.00r.
Wood, Malcolm Barlow: *See—*
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Wood, Michael Stuart: *See—*
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Wood, Norman E. Industrial waste processing apparatus. 3,795,316, 3-5-74, Cl. 210-298.000.
Wood, Obert Reeves, II: *See—*
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Wood, Paul R. Reel flange manufacturing machine. 3,797,542, 3-19-74, Cl. 144-4.000.
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Strasser, Jurgen H.; Wood, Philip; Berticevich, Edward N.; and Buchzik, Charles M., 3,817,259.
Wood, Philip Sheridan, deceased (by Lewis, Garlin W., administratrix). Speed control device for battery powered electric vehicles. 3,818,293, 6-18-74, Cl. 318-139.000.
Wood, Prentice J., to Mead Corporation, The. Article carrier. 3,814,238, 6-4-74, Cl. 206-167.000.
Wood, Prentice J., to Mead Corporation, The. Article carrier. 3,857,483, 12-31-74, Cl. 206-187.000.
Wood, Richard D., to Hughes Aircraft Company. Signal processors for filtering applies signals. 3,839,650, 10-1-74, Cl. 307-246.000.
Wood, Richard T.: *See—*
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Wood, Robert F., to Round-Eight Corporation. Square circle house or like building structure. 3,789,560, 2-5-74, Cl. 52-236.000.
Wood, Robert J. Truck body with suspension rack. 3,826,529, 7-30-74, Cl. 296-37.00r.
Wood, Robert L.; and Frederickson, Lyle R., to Rockwell International Corporation. Data handling receiver and phase tracking. 3,852,751, 12-3-74, Cl. 343-105.00r.
Wood, Roland Andrew: *See—*
Smith, Stanley Desmond; Wood, Roland Andrew; and Dennis, Richard Benson, 3,832,061.
Wood, Thomas F.; and Heilweil, Emanuel, to Givaudan Corporation. Process for 6-isopropyl-1,1,4-trimethylindan. 3,856,869, 12-24-74, Cl. 260-668.00f.
Wood, Thomas F.; and Heilweil, Emanuel, to Givaudan Corporation. Process for producing 1,1,3,4,4,6-hexamethyl-1,2,3,4-tetrahydronapthalene(HMT). 3,856,875, 12-24-74, Cl. 260-668.00f.
Wood, Walter A.; and Hutchins, Dale, to Lockheed Missiles & Space Company, Inc. Detachable articulation joint for ground vehicles. 3,794,134, 2-26-74, Cl. 180-79.20b.
Wood, Warren A.; and Fechner, John T., to Potlatch Corporation. Apparatus for orienting wood strands. 3,807,931, 4-30-74, Cl. 425-449.000.
Wood, Wilburn W. Method and apparatus for harnessing pressure of oil and gaswells for generating electricity. 3,808,794, 5-7-74, Cl. 60-721.000.
Wood, William; Sellers, John; Carroll, Michael; and Griffiths, Mary, to French, Thomas, & Sons, Limited. Curtain heading tape. 3,799,213, 3-26-74, Cl. 139-387.00a.
Wood, William D.: *See—*
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Wood, William G.: *See—*
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Wood, William H., to Allied Chemical Corporation. Apparatus for use in measuring the flow velocity of fluid within a conduit. 3,802,265, 4-9-74, Cl. 73-211.000.
Wood, William Robert, to Deere & Company. Mobile stack-forming implement. 3,813,861, 6-4-74, Cl. 56-344.000.
Wood, William Robert, to Deere & Company. Press operating mechanism for stack-forming machine. 3,826,070, 7-30-74, Cl. 56-344.000.
Woodall, Hubert C., Jr.: *See—*
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Ford, Frederick S., Jr., 3,796,175.
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Woodall, Leslie. Golf ball retriever. 3,784,037, 1-8-74, Cl. 214-356.000.
Woodall, William E., Jr. Dice shaker having a plurality of individual dice channels incorporated therein. 3,820,792, 6-28-74, Cl. 273-145.00c.
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King, Leslie Frederick, 3,830,729.
Woodard, Boyd Ray. Reciprocating pulley drum cable drive. 3,804,370, 4-16-74, Cl. 254-150.00r.
Woodard, Boyd Ray. Wind deflector for dump trucks. 3,819,222, 6-25-74, Cl. 296-1.00s.
Woodard, Dudley G.: *See—*
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Woodard, Dudley H.; and Woodard, Dudley G. Stringed instruments with improved strings due to irradiation and process for producing the same. 3,842,705, 10-22-74, Cl. 84-297.00s.
Woodard, Robert Burns, to Ciba-Geigy Corporation. 2-Thia-cepham and cephem-4-carboxylic acids. 3,835,130, 9-10-74, Cl. 260-243.00c.
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Lesh, Robert M.; and Woodberry, Eugene T., Jr., 3,854,222.
Woodbridge, David D. Apparatus and method for converting wave energy into electrical energy. 3,783,302, 1-1-74, Cl. 290-42.000.
Woodbury, Eric J.; and Dewhirst, Donald R., to Hughes Aircraft Company. Methods for protecting laser optical elements from surface damage. 3,810,044, 5-7-74, Cl. 331-94.50t.
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United States of America, National Aeronautics and Space Administration, 3,800,237.
Woodcock, Brian R.; and Tansky, John L., to Bunker Ramo Corporation. Integrated circuit package connectors. 3,831,131, 8-20-74, Cl. 339-95.00r.
Woodcock, Douglas George, to Pickering, Edgar, (Blackburn) Limited. Tufting machines. 3,820,482, 6-28-74, Cl. 112-79.00a.
Woodcock, Louis E. Multiple purpose latch mechanism. 3,811,301, 5-21-74, Cl. 70-12.000.
Woodcock, Richard F., to American Optical Corporation. Unitary glass laser assembly. 3,805,186, 4-16-74, Cl. 331-94.50e.
Wooddell, John H.: *See—*
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Oldham, Robert R.; and Wooddell, John H., 3,805,957.
Wooden, John A., to Brookside Corporation. Method of forming centrifugal blower wheel. 3,811,978, 5-21-74, Cl. 156-160.000.
Woodfill, William L., to Brunswick Corporation. Marine jet drive propulsion apparatus. 3,857,355, 12-31-74, Cl. 115-12.00r.
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Woodford, Philip S.: *See—*
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Woodhall, Edwin S.; Appleby, Paul E.; and Touchette, John W., to Goodyear Tire & Rubber Company, The. Method of building tires. 3,784,426, 1-8-74, Cl. 156-132.000.
Woodhall, Edwin S., to Goodyear Tire & Rubber Company, The. Process for molding foamed polyurethane articles involving the use of multiple pouring devices. 3,814,780, 6-4-74, Cl. 264-54.000.
Woodham, Jack D., Jr.: *See—*
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Woodhams, Raymond T.; and Golemba, Frank J., to Fiberglas Canada Limited. Coating of mica reinforcement for composite materials. 3,799,799, 3-26-74, Cl. 117-100.00s.
Woodhead, Daniel, Inc.: *See—*
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Eckart, George R., 3,829,819.
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Woodier, George H.; and Pratt, Winthrop B., to Curtiss-Wright Corporation. Sealing device for rotary mechanisms. 3,796,527, 3-12-74, Cl. 418-115.000.
Woodier, George T.; Jones, Charles; and Hermes, Walter L., to Curtiss-Wright Corporation. Split intermediate housing section for multi-rotor rotary mechanism. 3,791,235, 2-12-74, Cl. 74-606.000.
Woodier, James G., to Bell & Howell Company. Reversing mechanism. 3,804,502, 4-16-74, Cl. 352-173.000.
Woodilla, John E., Jr.; Hunt, Gordon W.; and Green, Willard B., Jr., to Torrington Company, The. Thermal treatment of steel. 3,826,694, 7-30-74, Cl. 148-15.000.
Wooding, Patrick J.: *See—*
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Woodingham Investment Company, mesne: *See—*
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Woodle, John C.; and Smith, Dennis J., to Arlington Aluminum Company. Display stand. 3,852,901, 12-10-74, Cl. 40-125.00h.
Woodle, Robert A., to Texaco Inc. Process for converting reactant into product including adsorption-desorption cycle for recycle of unreacted reactant. 3,810,950, 5-14-74, Cl. 260-667.000.
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Woodmansee, John B. Attachment for operating tool accessories. 3,794,434, 2-26-74, Cl. 408-56.000.
Woodmont Industries, Inc.: *See—*
Carroll, Harvey F., 3,815,233.
Woodriff, Ray A.; and Lech, Jerome F. Combined sample collection and vaporization system for spectro-chemical analysis. 3,824,016, 7-16-74, Cl. 356-85.000.
Woodring, Horace Leo. Retractable cable device. 3,853,285, 12-10-74, Cl. 242-107.110.
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Gulino, James A.; and Woodring, William J., 3,808,164.
Woodroffe, Jaime A.; and Appleton, John P., to Massachusetts Institute of Technology. Fluorescent gas analyzer with calibration system. 3,826,920, 7-30-74, Cl. 250-373.000.
Woodruff, Curtis H., to Cabax Mills. Veneer sorter and stacker. 3,812,964, 5-28-74, Cl. 209-73.000.
Woodruff, Douglas, to Morton-Norwich Products, Inc.. Ignition resistant mattress construction. 3,857,126, 12-31-74, Cl. 5-345.00r.
Woodruff, Gene N., to Philips Petroleum Company. Stable asphalt-polyolefin emulsions. 3,829,321, 8-13-74, Cl. 106-277.000.
Woodruff, Maurice D., to Bauer Bros. Co., The. Cyclonic digester system and process. 3,833,461, 9-3-74, Cl. 162-19.000.
Woodruff, Roy J. Method and apparatus for forming holes in earth and setting subterranean structures therein. 3,825,082, 7-23-74, Cl. 175-211.000.
Woodruff, William N.: *See—*
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Woodrum, Luther Jay, to International Business Machines Corporation. Minimal redundancy decoding method and means. 3,835,467, 9-10-74, Cl. 340-347.0dd.
Woods, Andrew B.: *See—*
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Woods, Eric R., to General Dynamics Corporation. Signal distribution system. 3,840,702, 10-8-74, Cl. 179-1.0sw.
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Woods, Jack L.; and Pittman, Tobe A., to Elmet, Inc. Process for recovering gold and silver. 3,826,723, 7-30-74, Cl. 204-110.000.
Woods, Jack L., to Permaloy Corporation. Process for anodizing aluminum and its alloys. 3,857,766, 12-31-74, Cl. 204-58.000.
Woods, James F.; and Kerns, Gary Paul, to Standard Hydraulics Service, Inc. Pump filters. 3,811,571, 5-21-74, Cl. 210-136.000.
Woods, Joe W.; and Yosmali, Krikor, to International Business Machines Corporation. Ink jet printing apparaus with overrun of printhead to insure better visibility. 3,831,728, 8-27-74, Cl. 197-1.00r.
Woods, John A., to AMF Incorporated. Snowmobile chassis. 3,840,083, 10-8-74, Cl. 180-5.00r.
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Woods, Marion D.; and Zvanut, Albert J., to Stoody Company. System for internal-combustion engine valve production. 3,813,509, 5-28-74, Cl. 219-76.000.
Woods, Martin W.; and Mass, Thomas R., to Goodrich, B. F., Company, The. Vulcanizates of EPDM and diene rubber blends. 3,830,881, 8-20-74, Cl. 260-889.000.
Woods, Maurice G., to Clean-Air-Ator Corporation, The. Incinerator with afterburner. 3,792,671, 2-19-74, Cl. 110-8.00r.
Woods, Norman W. Room air conditioner. 3,783,637, 1-8-74, Cl. 62-427.000.
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Woods, Richard E., to Franklin Electric Co., Inc. Electrical timing circuit for controlling energization of a load. 3,832,612, 8-27-74, Cl. 318-221.00e.
Woods, Robert L., to United States of America, Army. Flueric gas-to-liquid interface amplifier. 3,811,475, 5-21-74, Cl. 137-840.000.
Woods, Robert L., to United States of America, Army. Fluidic constant bias differential signal generator. 3,820,569, 6-28-74, Cl. 137-816.000.
Woods, Stephen. Air valve pressure diaphragm carburetor. 3,796,413, 3-12-74, Cl. 261-23.00a.
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Woods, Thomas C., to Beckman Instruments, Inc. Rate analysis system with constant rate detection circuit for identifying linear signals. 3,786,465, 1-15-74, Cl. 340-248.00r.
Woods, Verle W. Granular pesticide. 3,849,105, 11-19-74, Cl. 71-65.000.
Woods, Walter E.; and Hammann, Paul E., to American Air Filter Company, Inc. Modular assembly for attaching skirt facade to an air handling unit. 3,782,062, 1-1-74, Cl. 52-75.000.
Woods, William E., to Honeywell Information Systems, Inc. Push-pop memory stack having reach down mode and improved means for processing double-word items. 3,786,432, 1-15-74, Cl. 340-172.500.
Woods, William G. Fire retardant resins. 3,816,307, 6-11-74, Cl. 252-8.100.
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Woodward, Ernest F. Detachable vehicle enclosure. 3,794,375, 2-26-74, Cl. 296-36.000.
Woodward, Ernest F. Cargo carring vehicle. 3,811,724, 5-21-74, Cl. 296-36.000.
Woodward, Ernest F. Stake pocket adapter. 3,841,695, 10-15-74, Cl. 296-43.000.
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Woodward, Gary F., to Ford Motor Company. Transmission mounted speed sensor with odometer switch. 3,812,331, 5-21-74, Cl. 235-95.00r.
Woodward, Gary F., to Ford Motor Company. Electric odometer drive. 3,812,332, 5-21-74, Cl. 235-95.00r.
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Woodward, Herber Jay, to Index Industries, Inc. Auxiliary braking system. 3,809,191, 5-7-74, Cl. 188-106.00a.
Woodward, Jackson H., to Southwestern Portland Cement Company. Rotary kiln chain hanger. 3,802,831, 4-9-74, Cl. 432-28.000.
Woodward, James R., to Rohr Industries, Inc. Liquid interface diffusion method of bonding titanium and/or titanium alloy structure and product using nickel-copper, silver bridging material. 3,854,194, 12-17-74, Cl. 29-494.000.
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Worthen, Eugene P.; deceased (by New England Merchant National Bank; executor), to Turbo Power and Marine Systems, Inc., mesne. Marine reversible reduction gearing with brake. 3,830,350, 8-27-74, Cl. 192-4.00c.
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Worwag, Hans Michael. Cable dispenser for rise-and-fall electrical fittings. 3,807,648, 4-30-74, Cl. 242-54.00r.
Woschetzky, Werner, to Perkin-Elmer Corporation, The. Digital-to-analog converter. 3,806,914, 4-23-74, Cl. 340-347.0da.
Woskow, Marvin Z.; and Christmann, Harold F., to Petro-Tex Chemical Corporation. Oxidative dehydrogenation catalyzed with promoted zinc ferrite. 3,856,880, 12-24-74, Cl. 260-680.00e.
Wosser, Joseph L., Jr. Method and apparatus for storing and attaching tire chains. 3,794,094, 2-26-74, Cl. 152-213.000.
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Wray, Ronald James, to Plessey Handel und Investments A.G. Step-by-step linear adjustment devices. 3,805,679, 4-23-74, Cl. 92-14.000.
Wray, William R., to Polaroid Corporation. Analog information storage and retrieval system. 3,838,447, 9-24-74, Cl. 360-26.000.
Wray, William R. Analog information storage and retrieval system. 3,848,978, 11-19-74, Cl. 352-30.000.
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Wright, Donald F., to Westinghouse Canada Limited. Lamp failure detection system. 3,795,905, 3-5-74, Cl. 340-251.000.
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Wright, Leslie I.; and Fitzgerald, Jim W., to Portland Chain Manufacturing Co. Division of Webster Mfg., Inc. Method and apparatus for unwinding coiled material. 3,815,844, 6-11-74, Cl. 242-128.000.

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Yoo, Jin Sun, to Atlantic Richfield Company. Oxidation and desulfurization of a hydrocarbon material. 3,847,798, 11-12-74, Cl. 208-209.000.

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Fujita, Yutaka; Naruchi, Tatsuyuki; Honda, Yuitsu; Ishimaru, Kenji; and Yoshisato, Eishin, 3,825,570.
Yoshitake, Toshihiko: *See*—
Bando, Satoshi; Hara, Kazuo; Yoshitake, Toshihiko; and Tasaka, Takeo, 3,852,376.
Yoshitomi Pharmaceutical Industries, Ltd.: *See*—
Arimura, Katsuo; Kobayakawa, Toshihiro; Ao, Hideki; and Tsuda, Yoshiaki, 3,856,797.
Nakanishi, Michio; Arimura, Katsuo; and Ao, Hideki, 3,784,551.
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Nakanishi, Michio; Tahara, Tetsuya; Araki, Kazuhiko; and Shiroki, Masami, 3,828,039.
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Yamano, Togo; Jono, Kumiko; Sato, Shigehiko; and Nakanishi, Michio, 3,784,699.

Yoshiwa Kogyo K.K.: *See—*
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Yoshiyagawa, Mitsugi: *See—*
Koizumi, Ken; Ikeda, Yoshiro; and Yoshiyagawa, Mitsugi, 3,791,806.
Koizumi, Ken; and Yoshiyagawa, Mitsugi, 3,822,120.
Ono, Seiichi; Koizumi, Ken; and Yoshiyagawa, Mitsugi, 3,836,347.
Yoshida, Motoaki; and Yoshiyagawa, Mitsugi, 3,806,328.

Yoshiyagawa, Mitsugi, to Nippon Selfoc Kabushiki Kaisha (a/k/a Nippon Selfoc Co., Ltd.). Production of light-conducting glass fibers by vapor partial pressure atmosphere. 3,817,731, 6-18-74, Cl. 65-32.000.

Yoshiyagawa, Mitsugi; Sugioka, Tomio; and Ikeda, Yoshiro, to Nippon Selfoc Kabushiki Kaisha. Production of light-conducting glass structures with refractive index distribution. 3,843,228, 10-22-74, Cl. 350-96.00r.

Yoshiyama, Ichiro, to Minolta Camera Kabushiki Kaisha. Photographic exposure condition indicating device. 3,824,606, 7-16-74, Cl. 354-50.000.

Yoshiyama, Masami: *See—*
Tsuchiya, Mitsuharu; Sato, Teruo; Takeda, Hitoshi; and Yoshiyama, Masami, 3,838,209.

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Tanba, Shigeru; Yoshiyasu, Mitsuo; and Miyabe, Yoshio, 3,790,435.

Yoshiyasu, Mitsuo; and Toyoda, Takashi, to Kabushiki Kaisha Oji Yuka Goseishi Kenkyujo. Synthetic paper. 3,783,088, 1-1-74, Cl. 161-160.000.

Yoshizaki, Akira: *See—*
Hayashi, Toshio; Yoshizaki, Akira; and Tsujimoto, Kayoshi, 3,812,499.
Tanaka, Harumi; and Yoshizaki, Akira, 3,833,915.

Yoshizaki, Akira, to Minolta Camera Kabushiki Kaisha. Electronically controlled shutter mechanism for a camera. 3,840,885, 10-8-74, Cl. 354-251.000.

Yoshizaki, Hirohumi, to Caterpillar Mitsubishi Ltd. Two-way bulldozer. 3,853,181, 12-10-74, Cl. 172-805.000.

Yoshizaki, Kazuhiro: *See—*
Yamaguchi, Goro; Komatsu, Susumu; Yoshizaki, Kazuhiro; and Fukumoto, Tetsuo, 3,817,726.

Yoshizane, Hiroshi: *See—*
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Yoshizawa, Masao; Mikami, Takeo; Kobayashi, Nobuo; and Iida, Akira, to Dainippon Ink and Chemicals Incorporated and Dainippon Ink Institute of Chemical Research, Inc. Flame resistant finish of combustible materials prepared from phosphorous compounds, aldeydes and ketones. 3,836,507, 9-17-74, Cl. 260-64.000.

Yoshizawa, Michio; and Ohnishi, Masaru, to Mitsubishi Denki Kabushiki Kaisha. Electrophotographic system. 3,834,809, 9-10-74, Cl. 355-3.00r.

Yoshizawa, Shiuji: *See—*
Narita, Kenichi; and Yoshizawa, Shiuji, 3,805,281.

Yoshizawa, Toshio; Yamada, Yasuo; Taniguchi, Toshinori; Kose, Tatsuo; Ohchi, Kazuo; and Hori, Kiyokazu, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho and Daiwa Boseki Kabushiki Kaisha. Device for biasing yarn into fixed position for use with yarn cuttin mechanism of automatic doffing apparatus. 3,855,771, 12-24-74, Cl. 57-53.000.

Yoshizuka, Kunio: *See—*
Oga, Toshisaburo; Yoshizuka, Kunio; Yoneda, Yoshiharu; Yanako, Shigehisa; Ishii, Yozo; and Watabe, Seiji, 3,799,469.

Yoshizumi, Hajime; Amachi, Teruo; Imamoto, Shoji; and Senoh, Siro, to Suntory Limited. Glycosyl pantothenic acids. 3,808,196, 4-30-74, Cl. 260-210.00r.

Yoshizumi, Nobuo: *See—*
Hagiwara, Yoshichi; Sato, Katunobu; Komatsu, Hideo; Yuguchi, Sadao; Yoshizumi, Nobuo; Nagai, Kenya; Takeda, Hiromu; and Ohnishi, Sei-Ichiro, 3,848,044.

Yoshizumi, Shuzo; and Matsumoto, Yoshimitsu, to Matsushita Electric Industrial Co., Ltd. Apparatus for welding, fusing or heating workpiece utilizing energy of a light beam. 3,812,318, 5-21-74, Cl. 219-85.000.

Yoshizumi, Shuzo; Doe, Takao; Oku, Takeshi; and Matsumoto, Yoshimitsu, to Matsushita Electric Industrial Co., Ltd. Method of welding, fusing or heating workpiece utilizing energy of light. 3,830,999, 8-20-74, Cl. 219-137.000.

Yosida Kogyo Kabushiki Kaisha: *See—*
Takamatsu, Ikuo, 3,820,202.

Yosim, Samuel J.: *See—*
Grantham, Le Roy F.; and Yosim, Samuel J., 3,857,920.

Yosim, Samuel J.; McKenzie, Donald E.; Grantham, Leroy E.; and Birk, James R., to Rockwell International Corporation. Disposal of organic pesticides. 3,845,190, 10-29-74, Cl. 423-184.000.

Yosimura, Tatuo: *See—*
Shima, Kenzo; Suzuki, Kensuke; Yosimura, Tatuo; and Sasaki, Takeshi, 3,811,084.

Yosioka, Satosi; Tokunaga, Sinobu; Tamenori, Tomoyoshi; Tamura, Sigeru; and Wada, Morio, to Nippon Kayaku Co., Ltd. Yellow sulfur dyes. 3,784,534, 1-8-74, Cl. 260-128.000.

Yosmali, Krikor: *See—*
Fowler, Raymond L.; Hill, James D.; McCornack, Richard W.; Perkins, N. Kenneth; Sendelweck, Michael L.; West, Donald L.; Williams, Thomas H.; and Yosmali, Krikor, 3,834,505.
Woods, Joe W.; and Yosmali, Krikor, 3,831,728.

Yossa, Frank A.: *See—*
Raabe, Francis O.; and Yossa, Frank A., 3,846,190.

Yost, Betty Jane, to Ledex, Inc. Electromagnetically operated latch. 3,831,486, 8-27-74, Cl. 89-1.50d.

Yost, Edward F., Jr., to Spectral Data Corporation. Isoluminous additive color multispectral display. 3,798,033, 3-19-74, Cl. 96-5.000.

Yost, Howard S.; Walker, Wesley Max; and Walker, Dean Max. Air conditioning apparatus for a vehicle cab. 3,834,680, 9-10-74, Cl. 261-92.000.

Yost, Kenneth J., to Coate Burial Vault Inc. Aerobic sewage treatment system. 3,817,858, 6-18-74, Cl. 210-14.000.

Yost, Marvin E.: *See—*
Gregory, M. Duane; Stolhand, James E.; and Yost, Marvin E., 3,842,270.

Yost, Marvin E., to Continental Oil Company. Coalescence of water and oleophilic liquid dispersions by passage through a bed of an ion exchange resin. 3,800,944, 4-2-74, Cl. 210-23.000.

Yosumi, Toshikazu: *See—*
Nishimura, Katsutoshi; Fujisawa, Kiyoji; and Yosumi, Toshikazu, 3,835,405.

Yother, Floyd G.: *See—*
Rhinehart, Vance E.; Coffelt, James D.; and Yother, Floyd G., 3,785,345.

Yotsumoto, Kyosuke: *See—*
Imamura, Shinzo; Yotsumoto, Kyosuke; and Harada, Rokuro, 3,839,448.

Youch, Edward A.: *See—*
Lueck, Arthur M.; and Youch, Edward A., 3,800,162.

Youden, David H.; and St. Andre, Arthur F., to Cincinnati Milacron-Heald Corporation. Machine tool. 3,844,186, 10-29-74, Cl. 82-2.00r.

Youden, David Hamilton: *See—*
St. Andre, Arthur Francis; and Youden, David Hamilton, 3,821,835.

Youmans, Albert P.: *See—*
Mitarai, Hajime; Nelson, Carroll E.; and Youmans, Albert P., 3,815,222.

Youmans, Albert P.; and Kirton, Lionel A., to Signetics Corporation. Method for making a dielectrically isolated semiconductor structure. 3,849,948, 11-26-74, Cl. 51-310.000.

Youmans, Arthur H., to Dresser Industries, Inc. Water production system having means to selectively profile vary borehole fluid flow. 3,789,217, 1-29-74, Cl. 250-265.000.

Youmans, Bill: *See—*
Nakagawa, George; and Youmans, Bill, 3,826,140.

Youmans, Donald W.: *See—*
Fylling, Donald R.; Einarsson, John R.; and Youmans, Donald W., 3,801,177.

Yound, Robert G.; Trible, Paul S.; and Glass, Emmett F., to Sperry Rand Corporation. Mounting structures for the feed mechanism of a crop baler. 3,812,777, 5-28-74, Cl. 100-18.900.

Young, Alexander Wilson, to RCA Corporation. Window detector circuit. 3,809,926, 5-7-74, Cl. 307-235.00r.

Young, Bernard W.; deceased (by Young, Sophie; executrix). Surface sweeping machine equipped with gutter brush. 3,790,981, 2-12-74, Cl. 15-89.000.

Young, Carl. Disposable container means. 3,857,597, 12-31-74, Cl. 294-1.00r.

Young, Carter R.: *See—*
Sizer, Phillip S.; and Young, Carter R., 3,848,668.

Young, Charles E., III: *See—*
Walker, Dean E.; and Young, Charles E., III, 3,805,988.

Young, Christopher John: *See—*
Desty, Denis Henry; and Young, Christopher John, 3,833,337.
Desty, Denis Henry; and Young, Christopher John, 3,836,318.
Desty, Denis Henry; and Young, Christopher John, 3,840,320.
Desty, Denis Henry; and Young, Christopher John, 3,853,457.

Young, Chung-Chang: *See—*
Gray, Don N.; and Young, Chung-Chang, 3,853,731.

Young, Claude Frank: *See—*
Hard, Robert A.; Stoyell, Loyal A.; and Young, Claude Frank, 3,840,410.

Young, Claude Frank; and Offenhauer, Charles Martin, to Union Carbide Corporation. Apparatus for producing sized ferroalloy particles. 3,797,978, 3-19-74, Cl. 425-8.000.

Young, Clifford Kenneth. Sandal construction. 3,800,444, 4-2-74, Cl. 36-11.500.

Young, David E., to Schlumberger Technology Corporation. Velocity sensitive safety valve. 3,799,192, 3-26-74, Cl. 137-498.000.

Young, David E., to Schlumberger Technology Corporation. Latching apparatus for installing safety valves in wells. 3,802,506, 4-9-74, Cl. 116-136.000.

Young, David E., to Schlumberger Technology Corporation. Ambient pressure responsive safety valve. 3,814,181, 6-4-74, Cl. 166-224.00s.

Young, David E., to Schlumberger Technology Corporation. Remote controlled safety valve. 3,831,632, 8-27-74, Cl. 137-624.130.

Young David E.; Gould, Douglas E.; Anderson, Lowell Ray; and Fox, Wiliam B., to Allied Chemical Corporation. Novel catalytic process for the preparation of polyhalohypochlorites. 3,842,156, 10-15-74, Cl. 423-466.000.

Young, David E., to Schlumberger Technology Corporation. Low flow safety valve with pressure lock. 3,848,629, 11-19-74, Cl. 137-459.000.

Young, David W., to Elco Chemicals Inc. Composition for maintaining the integrity of aqueous media. 3,789,008, 1-29-74, Cl. 252-180.000.

Young, David W. Continuous scanning waveguide antenna. 3,803,620, 4-9-74, Cl. 343-768.000.

Young, David W. Ridge scan antenna. 3,829,862, 8-13-74, Cl. 343-767.000.

Young, David W. Shadow antenna. 3,855,591, 12-17-74, Cl. 343-5.0ls.

Young, Dean Arthur, to Union Oil Company of California. Hydrocarbon conversion process. 3,783,123, 1-1-74, Cl. 208-111.000.

Young, Dean Arthur, to Union Oil Company of California. Method of treating alumina containing oxides. 3,836,561, 9-17-74, Cl. 252-450.000.

Young, Dean Arthur, to Union Oil Company of California. Thermally activated crystalline aluminosilicates. 3,842,016, 10-15-74, Cl. 252-455.00z.

Young, Dean Arthur, to Union Oil Company of California. Aluminosilicate compositions, method of preparation. 3,844,977, 10-29-74, Cl. 252-438.000.

Young, Dean Arthur, to Union Oil Company of California. Phosphate-silica-aluminosilicate compositions of improved crushing strength and methods of preparing the same. 3,846,337, 11-5-74, Cl. 252-437.000.

Young, Dean Arthur, to Union Oil Company of California. Hydrocracking process. 3,853,747, 12-10-74, Cl. 208-111.000.

Young, Don H.: *See—*
Wellman, Russell W.; Harrell, Sidney L.; and Young, Don H., 3,804,253.

Young, Don L. Jr., to United States of America. Support for flexible control device. 3,841,171, 10-15-74, Cl. 74-501.00r.

Young, Don L., Jr., to United States of America, Air Force. Releasable connector subassembly. 3,841,773, 10-15-74, Cl. 403-341.000.

Young, Donald C., to Union Oil Company of California. Preparation of sulfur suspensions. 3,799,884, 3-26-74, Cl. 252-313.00r.

Young, Donald C., to Union Oil Company of California. Foam crop maturant. 3,810,749, 5-14-74, Cl. 71-70.000.

Young, Donald C., to Union Oil Company of California. Pineapple treatment. 3,819,359, 6-25-74, Cl. 71-127.000.

Young, Donald C.; and Harbolt, Bruce A., to Union Oil Company of California. Apparatus for the preparation of porous, particulate sulfur. 3,830,631, 8-20-74, Cl. 23-252.00r.

Young, Donald C., to Union Oil Company of California. Oxidation of olefins. 3,850,990, 11-26-74, Cl. 260-604.0ac.

Young, Donald G., to Dow Corning Corporation. Primer composition for adhering silicone elastomer to substrates. 3,794,556, 2-26-74, Cl. 161-206.000.

Young, Donald M. Corn sheller device. 3,844,293, 10-29-74, Cl. 130-6.000.

Young, Donald R.: *See—*
Howard, Wayne H.; Young, Donald R.; and Adachi, Richard R., 3,809,871.

Young, Douglas L. G., to Canadian Ingersoll-Rand Company Limited. Drum-type debraking apparatus. 3,807,470, 4-30-74, Cl. 144-208.00b.

Young, Douglas L. G., to Canadian Ingersoll-Rand Company, Limited. Apparatus for fractionating fluid suspensions. 3,814,244, 6-4-74, Cl. 209-273.000.

Young, Earl W.: *See—*
Crawford, Wilbur B.; Young, Earl W.; and Happy, Raymond, 3,827,191.

Young, Eddie H., Jr.: *See—*
Montgomery, Robert M.; Young, Eddie H., Jr.; and Johnson, Richard H., 3,804,490.

Young, Edward G., to Beatrice Foods Co. Versatile flow-through foam carpet cleaning apparatus. 3,795,932, 3-12-74, Cl. 15-98.000.

Young, Edward John: *See—*
Baxendale, Albert Edward; and Young, Edward John, 3,835,825.

Young, Edward L. J., to Lear Siegler, Inc. Vehicle suspension system and bearing construction therefor. 3,817,550, 6-18-74, Cl. 280-104.50a.

Young, Einar T., to Sun Oil Company of Pennsylvania. Underground piping modification apparatus. 3,800,833, 4-2-74, Cl. 138-89.000.

Young, Einar T., to Sun Oil Company of Pennsylvania. Fourth wheel for three-wheel counters. 3,845,283, 10-29-74, Cl. 235-133.00r.

Young, Elgin E., to PPG Industries, Inc., mesne. Method and apparatus for temperature control of a rotating metal oxide scraper element. 3,833,415, 9-3-74, Cl. 134-6.000.

Young, Emil O.: *See—*
Gerhauser, Merton F.; and Young, Emil O., 3,814,312.

Young Engineering Inc.: *See—*
Young, William O., Jr.; Surka, Ebun A.; and Quattlebaum, Walter J., 3,835,746.

Young, Eric Whichell: *See—*
Bobinson, Bryan; Stark, Bernard Peter; and Young, Eric Whichell, 3,853,959.

Young, Eugene F., to Xerox Corporation. Segmented bias roll. 3,847,478, 11-12-74, Cl. 355-3.000.

Young, Ferdinand, Jr.: *See—*
Lowderman, Ernest W.; Barrington, Leland L.; and Young, Ferdinand, Jr., 3,827,267.

Young, Frank E., Jr.; and Bowser, Donald W., to Sheller-Globe Corporation. Soft steering wheel rim. 3,802,291, 4-9-74, Cl. 74-552.000.

Young, Frank G.; and Pennington, Leroy R., to Union Carbide Corporation. Catalytic process for hydration of olefins. 3,816,550, 6-11-74, Cl. 260-641.000.

Young, Frank G. VTOL air and space craft. 3,820,743, 6-28-74, Cl. 244-4.00r.

Young, Fred M., to Young Radiator Company. Extractor tool for heat-exchanger core. 3,846,892, 11-12-74, Cl. 29-202.00r.

Young, Fred M.; and Astrup, William V., to Young Radiator Company. Method of making a radiator core. 3,857,151, 12-31-74, Cl. 29-157.30b.

Young, Frederick A.: *See—*
Russell, Sid; Young, Frederick A.; and Kellner, Jordan D., 3,843,497.

Young, Frederick J.; Thompson, Francis T.; and Boomgaard, Dirk J., to Westinghouse Electric Corporation. Position indication system. 3,846,771, 11-5-74, Cl. 340-195.000.

Young, Garth, Jr. Integral hand held tailgating device. 3,842,511, 10-22-74, Cl. 33-277.000.

Young, Gary C.; and Ferrell, Howard H., to Continental Oil Company. Process for simultaneously increasing recovery and upgrading oil in a reservoir. 3,809,159, 5-7-74, Cl. 166-258.000.

Young, George, to Varian Associates. Microwave down converter employing half wave open circuit resonators with output taken at voltage null of input signal. 3,823,380, 7-9-74, Cl. 325-445.000.

Young, Gladys R.: *See—*
Gerhauser, Merton F.; and Young, Emil O., 3,814,312.

Young, Gregory G.: *See—*
Young, Gregory G.; and Eifert, Melvin C., 3,818,611.

Young, Gregory G.; and Eifert, Melvin C., to Young, Gregory G. Apparatus for conducting programmed psychotherapy. 3,818,611, 6-25-74, Cl. 35-9.00f.

Young, Harvey J.: *See—*
Haefele, Louis R.; and Young, Harvey J., 3,804,897.

Young, Herbert L., to Hercules Incorporated. Aqueous slurry explosive nitrate sensitizer containing a nitratoalkanolamine. 3,793,096, 2-19-74, Cl. 149-2.000.

Young, Hobart P.; and Noren, Donald W., to Signode Corporation. Nail strip and method of making same. 3,851,759, 12-3-74, Cl. 206-338.000.

Young, Homer F.: *See—*
Perricone, Alphonse C.; Young, Homer F.; Bettge, George W.; and Enright, Dorothy P., 3,843,524.

Young, Ira Bruce, Jr. Anti-theft display rack. 3,850,300, 11-26-74, Cl. 211-4.

Young, Irvin L. Baggage tags. 3,837,101, 9-24-74, Cl. 40-21.000.

Young, James A. Engraving apparatus. 3,803,979, 4-16-74, Cl. 90-13.300.

Young, James E.: *See—*
Sternberg, Stanley R.; Young, James E.; and Lennington, John W., 3,790,797.
Sternberg, Stanley R.; Young, James E.; and Lennington, John W., 3,790,798.

Young, James E. Method and materials for photographic color imaging. 3,799,776, 3-26-74, Cl. 96-2.000.

Young, James Leroy, to GAF Corporation. Knife module for cutting roll stock in automated equipment. 3,855,891, 12-24-74, Cl. 83-582.000.

Young, Jas., & Cunningham (Newcastle) Limited: *See—*
Keyes, John Harold Crawford; and Napier, George William, 3,854,696.

Young, Jerry W., to Iowa State University Research Foundation, Inc. Treatment and control of milk fat depression in lactating cows. 3,784,707, 1-8-74, Cl. 424-343.000.

Young, Jesse R. Polishing kit. 3,809,483, 5-7-74, Cl. 401-123.000.

Young, John, to GTE Automatic Electric Laboratories Incorporated. TSPS-headphone plug messages. 3,851,111, 11-26-74, Cl. 179-51.00r.

Young, John A. I., to Canadian General Electric Company, Limited. DC bus resistive path to ground fault detector. 3,801,898, 4-2-74, Cl. 324-51.000.

Young, John A. I., to Canadian General Electric Company, Limited. Cell surveillance monitor for a power converter. 3,806,906, 4-23-74, Cl. 340-253.00e.

Young, John E., Jr.: *See*—
Carr, Norman L.; Massoth, Franklin E.; Stahlfeld, Donald L.; and Young, John E., Jr., 3,782,076.
Carr, Norman L.; Massoth, Franklin E.; Stahlfeld, Donald L.; and Young, John E., Jr., 3,812,652.
Massoth, Franklin E.; and Young, John E., Jr., 3,812,653.

Young, John H., to Armstrong Cork Company. Cooling slide. 3,850,556, 11-26-74, Cl. 425-71.000.

Young, John, Jr.; and Maguire, Barry Paul. Incinerator with a plurality of outer walls and a hollow grate. 3,797,415, 3-19-74, Cl. 110-8.00c.

Young, John P. Boat bow step. 3,828,707, 8-13-74, Cl. 114-.50r.

Young, John P. Sleeping bag. 3,842,454, 10-22-74, Cl. 5-343.000.

Young, John S.: *See*—
Bieszczad, Edward S.; Wedmore, William R.; and Young, John S., 3,835,466.
Limberg, Anthony; Wedmore, William R.; Ellyn, Glen; and Young, John S., 3,838,225.

Young, John S., to GTE Automatic Electric Laboratories, Incorporated. Remote sensing circuit. 3,808,377, 4-30-74, Cl. 179-18.0fa.

Young, John S.; and Goodwin, James. Water skier's safety device. 3,848,244, 11-12-74, Cl. 340-286.000.

Young, John W.: *See*—
Huber, Richard O.; Higbee, David A.; and Young, John W., 3,819,145.

Young, Josiah L.: *See*—
Petersen, Sigrud R.; and Young, Josiah L., 3,829,725.

Young, LaVern L. Young calf dehorner. 3,828,789, 8-13-74, Cl. 128-303.100.

Young, Leroy Daniel, Jr. Tone generating system. 3,851,265, 11-26-74, Cl. 328-140.000.

Young, Lester Charles, to Combustion Engineering, Inc. Apparatus for lifting flasks and molds. 3,855,796, 12-24-74, Cl. 60-547.000.

Young, Loren H.: *See*—
DeForest, Elbert M.; St. Cyr, Lewis A.; and Young, Loren H., 3,848,052.

Young, Michael H., to Troxel Manufacturing Company. Cycle saddle. 3,844,611, 10-29-74, Cl. 297-214.000.

Young, Michael Iain: *See*—
Mason, Brian Edward; and Young, Michael Iain, 3,828,400.

Young, Michael R., to Eaton Corporation. Overload protection device for counterbalance vehicles. 3,831,492, 8-27-74, Cl. 91-411.00r.

Young, Murray L.: *See*—
Griffin, Charles D.; Young, Murray L.; and Griffin, James E., 3,793,763.

Young, Oswald William John: *See*—
Stibbs, Donald; Thompson, Raymond; and Young, Oswald William John, 3,811,899.

Young, Paul M.: *See*—
Cass, Eugene L.; Gustafson, Robert M.; and Young, Paul M., 3,795,845.

Young, Philip, to United Aircraft Corporation. Lubrication means. 3,782,500, 1-1-74, Cl. 184-64.000.

Young Radiator Company: *See*—
Young, Fred M., 3,846,892.
Young, Fred M.; and Astrup, William V., 3,857,151.

Young, Ralph B.: *See*—
Rosenberger, Harold E.; and Young, Ralph B., 3,857,626.

Young, Raymond H., Jr.; Markhart, Albert H.; and Martins, Joseph G., to Monsanto Company. Polymeric ultraviolet light stabilizers prepared from phenol formaldehyde condensates. 3,817,924, 6-18-74, Cl. 260-59.000.

Young Regulator Company: *See*—
Gerhauser, Merton F.; and Young, Emil O., 3,814,312.

Young, Richard A.; and Taubman, Charles M., to De Soto, Inc. Thermosetting organic solvent solution coating compositions of a n-methylol containing resins and inorganic metal salt catalysts. 3,808,168, 4-30-74, Cl. 260-33.40r.

Young, Richard C.: *See*—
Melby, Gordon M.; and Young, Richard C., 3,806,112.

Young, Richard K.: *See*—
Sippel, Nathan J.; and Young, Richard K., 3,795,556.

Young, Richard N., to Dana Corporation. Exhaust pollution control apparatus. 3,809,038, 5-7-74, Cl. 123-119.00a.

Young, Richard S., to Saginaw Products Corporation. Baggage cart. 3,830,385, 8-20-74, Cl. 214-84.000.

Young, Richard W., to Polaroid Corporation. Projection system employing adjustable mirror for image framing. 3,791,725, 2-12-74, Cl. 352-129.000.

Young, Robert A. Low power sealed optically thin resonance lamp. 3,851,214, 11-26-74, Cl. 315-267.000.

Young, Robert B., to Pan Nova, Inc., mesne. Transmitter-operated fuel-dispensing system. 3,786,960, 1-22-74, Cl. 222-2.000.

Young Robert B., to AAI Corporation. Puller sabot ammunition with slip seal. 3,834,314, 9-10-74, Cl. 102-93.000.

Young, Robert F., Jr., to GTE Automatic Electric Laboratories Incorporated. Electrostatic transducer having resilient electrode. 3,787,642, 1-22-74, Cl. 179-111.00e.

Young, Robert G.: *See*—
Glass, Emmett F.; and Young, Robert G., 3,798,885.

Young, Robert Gary: *See*—
Phillips, Brian Harry; and Young, Robert Gary, 3,786,415.

Young, Robert Leonard: *See*—
Evans, Ross Hugh; Seltzer, Daniel Arron; and Young, Robert Leonard, 3,822,406.

Young, Robert R.; and Medland, Robert W., to Kaiser Industries, Inc. Load handling equipment. 3,833,140, 9-3-74, Cl. 214-658.000.

Young, Roland L.: *See*—
Hug, Leonard F.; Grossman, Philip A.; Young, Roland L.; and Stark, Robert E., 3,839,088.

Young, Roland L.; McClelland, Donald H.; and Wolcott, Edward, to Gates Rubber Company, The. Lead battery welding method and apparatus. 3,806,696, 4-23-74, Cl. 219-137.000.

Young, Roland O. Lifting device. 3,828,942, 8-13-74, Cl. 214-1.0sw.

Young, Ronald F.: *See*—
Gonzalez, John; and Young, Ronald F., 3,796,609.

Young Rubber Co.: *See*—
Susin, Victor G., 3,790,324.

Young, S. Albert, 1/3 interest each to Rineman, Harold J. and Rineman, Richard L. Folding motorized vehicle. 3,797,597, 3-19-74, Cl. 180-1.00f.

Young, Sanford Tyler; and Wilson, Kenneth R., to FMC Corporation. Process for production of urea-carbamate herbicides and intermediates therefor. 3,801,625, 4-2-74, Cl. 260-479.00c.

Young, Sherwood L.: *See*—
Dixon, Farris L.; and Young, Sherwood L., 3,785,394.

Young, Sherwood L., to American Standard, Inc. Water control valve structure. 3,785,397, 1-15-74, Cl. 137-434.000.

Young, Sidney Geoffrey: *See*—
Ellis, Jack, 3,848,137.

Young, Sophie: *See*—
Young, Bernard W., 3,790,981.

Young, Stephen A.: *See*—
Politz, William E., 3,823,964.

Young, Vernon V., to Commercial Solvents Corporation. Preparation of zearalanone or of racemic mixtures of zearalanol diamers. 3,818,044, 6-18-74, Cl. 260-343.20f.

Young, Vernon V., to Commercial Solvents Corporation. Oxidation of the diastereoisomers of zearalanol. 3,839,364, 10-1-74, Cl. 260-343.20f.

Young, Walter L.: *See*—
Douglas, Clarence J.; Young, Walter L.; and Phillips, Jack H., 3,835,909.
Douglas, Clarence J.; Young, Walter L.; and Phillips, Jack H., 3,840,002.

Young, Warren D.: *See*—
Holcomb, Richard H.; and Young, Warren D., 3,831,053.

Young, William: *See*—
Russell, Robert J.; Young, William; and Nuss, Barry D., 3,822,523.

Young, William D.: *See*—
Kronish, Donald P.; Zuriff, Lee S.; Young, William D.; and Lewandowski, Paul R., 3,846,247.

Young, William D., Jr.: *See*—
Kronish, Donald P.; and Young, William D., Jr., 3,785,929.

Young, William L., III: *See*—
Riggleman, Billy M.; and Young, William L., III, 3,804,259.

Young, William O., Jr.; and Quattlebaum, Walter J., to Deering Milliken Research Corporation. Pull tab apparatus. 3,790,424, 2-5-74, Cl. 156-379.000.

Young, William O., Jr.; Surka, Ebun A.; and Quattlebaum, Walter J., to Young Engineering Inc. Die assembly and rule mounting means therefor. 3,835,746, 9-17-74, Cl. 83-346.000.

Young, William R.: *See*—
Aviram, Arieh; Haller, Ivan; Miller, Robert D.; and Young, William R., 3,814,700.

Young, William Robert: *See*—
Green, Dennis Clinton; and Young, William Robert, 3,836,478.

Young, Wray Bertram: *See*—
Strunc, Robert Winfield; and Young, Wray Bertram, 3,815,775.

Youngberg, Charles Harold: *See*—
Peterson, Willard Emanual, Jr.; and Youngberg, Charles Harold, 3,833,067.

Youngblood, Douglas J.: *See*—
Reynolds, David L.; Youngblood, Douglas J.; Bunn, Dorrance P., Jr.; and Pratt, Roy E., 3,784,463.

Youngblood, Douglas J.; Kuhlmann, Robert E.; and Pratt, Roy E., to Texaco Inc. Slack wax cracking in an FCCU with a satellite reactor. 3,801,493, 4-2-74, Cl. 208-78.000.

Youngdale, Gilbert A.: *See*—
Lincoln, Frank H., Jr.; Pike, John F.; and Youngdale, Gilbert A., 3,835,180.
Lincoln, Frank H., Jr.; Pike, John F.; and Youngdale, Gilbert A., 3,845,115.

Lincoln, Frank H., Jr.; Pike, John E.; and Youngdale, Gilbert A., 3,847,967.
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Youngdale, Gilbert A., to Upjohn Company, The. 4-Spiro[cyclopropyl]androstenes and process for their production. 3,793,308, 2-19-74, Cl. 260-239.55r.

Younger, Donald Anthony, to Imperial Chemical Industries Limited. Petroleum resins. 3,817,953, 6-18-74, Cl. 260-82.000.

Younger, Reat R., to United States T.R.A.D. Corporation. Outdoor drive-in theater. 3,856,388, 12-24-74, Cl. 352-40.000.

Youngfleish, Frank Christian: *See*—
Cassarly, James William; Graeff, Norwood Claude; Hooper, Dean Roosevelt; Pauza, William Vito; Sheesley, Wilmer Lee; and Youngfleish, Frank Christian, 3,833,869.

Youngflex S.A.: *See*—
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Younghouse, Edwin C.: *See*—
Steere, David E.; and Younghouse, Edwin C., 3,850,822.

Youngquist, John A.: *See*—
Bergum, Bernard C.; and Youngquist, John A., 3,784,410.

Youngs, Homer S. Soft wall hydrometer. 3,827,306, 8-6-74, Cl. 73-450.000.

Youngs, Homer S. Shock absorber testing machine. 3,857,275, 12-31-74, Cl. 73-11.000.

Youngs, Wilbur R., to Overhead Door Corporation. Flexible closure panel and means for supporting same. 3,848,653, 11-19-74, Cl. 160-120.000.

Youngstown Sheet and Tube Company: *See*—
Hartmann, John E.; LaCamera, Alfred F.; and Lake, Peter B., 3,825,448.
LaCamera, Alfred F.; and Semer, Joseph R., 3,802,911.

Youngstown Steel Door Company, The: *See*—
Fritz, William E., 3,797,891.
Galbarzyk, Leslie L.; Ross, Irving D., Jr.; and Madland, Thorvald, 3,786,599.
Ross, Irving D., Jr., 3,815,515.
Ross, Irving D., Jr.; and Madland, Thorvald, 3,844,424.

Younkin, Harry A., to Hercules Incorporated. Impulse control sensor system. 3,815,358, 6-11-74, Cl. 60-234.000.

Younkin, James R.; and Nixon, John M., to Edo-Aire Mitchell Industries, Inc. Light responsive sensor system. 3,783,277, 1-1-74, Cl. 250-237.00r.

Younkin, James R., to Mitchell Industries, Inc. Aircraft horizon display and steering indicator. 3,792,427, 2-12-74, Cl. 340-27.0na.

Younkin, James R., to Edo-Aire Mitchell Industries, Inc. Directional gyro indicator system. 3,849,896, 11-26-74, Cl. 33-318.000.

Yount, Joseph G., Jr.: *See*—
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Yount, Joseph George, Jr.: *See*—
Hubble, David Henry; and Yount, Joseph George, Jr., 3,830,173.

Yount, Robert H. One man holder for vehicles doors, bumpers, and the like during repair thereof. 3,782,713, 1-1-74, Cl. 269-297.000.

Youra, Charles J., to Doric Corporation. Die fixture. 3,848,495, 11-19-74, Cl. 83-128.000.

Yousch, Thomas. Screw conveyor coil wiper. 3,782,535, 1-1-74, Cl. 198-229.000.

Youssef, Edward H. Preparation of white pickled cheese. 3,840,669, 10-8-74, Cl. 426-36.000.

Youtsey, Karl J.: *See*—
Hervert, George L.; Carnahan, Robert D.; and Youtsey, Karl J., 3,785,781.

Youtsey, Karl J.; Holt, William C., Jr.; and Carnahan, Robert D., to Universal Oil Products Company. Electrical resistor inks. 3,846,140, 11-5-74, Cl. 106-20.000.

Yovich, Daniel J.; Stout, John L.; and Tribbey, Ralph E., to Kankakee Paint Manufacturing Company, Inc. Biostat and paint composition. 3,845,212, 10-29-74, Cl. 424-270.000.

Yows, Phillip W.: *See*—
Ward, Raymond W.; and Yows, Phillip W., 3,818,461.

Yozzo, Dominic F. Drawing projector for reproducing curves. 3,820,245, 6-28-74, Cl. 33-27.00r.

Yperman, Jean Michel Baudry Ghislain; and Belhomme, Charles, to U.S. Philips Corporation, mesne. Electric circuit elements and methods of manufacturing such elements. 3,794,517, 2-26-74, Cl. 117-217.000.

Ysauda, Yasushi: *See*—
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Ysbrand, Floyd R., to Telex Computer Products, Inc. Automatic flux shield engagement mechanism. 3,838,463, 9-24-74, Cl. 360-128.000.

Ythier, Jean-Pierre: *See*—
Doittau, Francois-Xavier; Ythier, Jean-Pierre; and Hebert, Marcel, 3,790,890.

Yu, Hwa Nien: *See*—
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Yu, Lin S.: *See*—
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Yu, Pyung Kyung: *See*—
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Yu, Robert Tapei, to Motorola, Inc. Dynamic MOS TTL compatible. 3,835,457, 9-10-74, Cl. 340-173.00r.

Yu, Ruey J.: *See*—
Blank, Fritz; and Yu, Ruey J., 3,793,149.

Yu, Se Puan; and Tantraporn, Wirojana, to General Electric Company. High frequency semiconductor amplifying devices and circuits therefor. 3,821,657, 6-28-74, Cl. 330-39.000.

Yu, Se Puan; and Tantraporn, Wirojana, to General Electric Company. Avalanche diode oscillator. 3,836,872, 9-17-74, Cl. 331-107.00r.

Yuan, Edward L., to Du Pont de Nemours, E. I., and Company. Smoke and flame resistant laminate articles. 3,811,997, 5-21-74, Cl. 161-68.000.

Yuan, Edward L., to Du Pont de Nemours, E. I., and Company. Bondable adhesive coated polyimide film and laminates. 3,822,175, 7-2-74, Cl. 161-93.000.

Yuan, Han-Tzong, to Texas Instruments Incorporated. Fabrication technique for high performance semiconductor devices. 3,839,104, 10-1-74, Cl. 148-188.000.

Yuasa Battery Company Limited: *See*—
Agui, Eizo, 3,799,321.
Kagawa, Hiroshi; and Senoo, Keiji, 3,841,912.
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Murata, Kazuo; Ikeda, Hirotaka; Ashida, Katsuzi; and Sato, Uichi, 3,826,369.
Oka, Atsutaka, 3,825,446.
Uemichi, Sachio; Miyauchi, Kazuto; and Nakao, Susumu, 3,838,327.

Yuasa, Hayami, to Nittan Company Limited. Fire detecting system. 3,797,008, 3-12-74, Cl. 340-227.000.

Yuasa, Iwao; and Nonoyama, Seiji, to Daido Seiko Kabushiki Kaisha. Electrode connecting apparatus for furnaces. 3,796,818, 3-12-74, Cl. 13-18.000.

Yuasa, Katsumi: *See*—
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Yuasa Kiko Company Limited: *See*—
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Yuasa, Yoshio: *See*—
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Yuba City Steel Products Co.: *See*—
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Yuda, Takeshi: *See*—
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Yuen, Kin Sun: *See*—
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Yuen, Shokichi: *See*—
Mitsuhashi, Masakazu; Masuda, Kazuo; Shiosaka, Makoto; Hirao, Mamoru; Sugimoto, Kaname; Yokobayashi, Yasuyuki; Yuen, Shokichi; and Yoshida, Mikihiko, 3,795,584.

Yuen, Shokichi, to Hayashibara Company. Intravenous administration of maltose to diabetics. 3,793,461, 2-19-74, Cl. 424-180.000.

Yuen, Shokichi, to Hayashibara, Ken. Mixture of maltobionic acid and monosodium glutamate as a food seasoning. 3,829,583, 8-13-74, Cl. 426-175.000.

Yuen, Vann. Method for purifying mercury. 3,791,797, 2-12-74, Cl. 23-312.00r.

Yuen, Yat Chuen; and Yuen, Kin Sun. Gas-liquid contacting apparatus. 3,788,042, 1-29-74, Cl. 55-227.000.

Yuen, Yung Kwong. Umbrella, sunshade or the like. 3,796,226, 3-12-74, Cl. 135-24.000.

Yuge, Masuo: *See*—
Irikura, Tsutomu; Kasuga, Kazunori; Hashizume, Taeko; Ohashi, Mitsuo; Yuge, Masuo; and Yamada, Michiko, 3,790,586.

Yugen Kaisha Senshu Sekkei Jimusho: *See*—
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Yukuta, Toshio; Iwami, Kouichi; Onishi, Akira; and Seda, Yutaka, to Bridgestone Tire Company Limited. Photopolymerization process for the manufacture of alternative copolymers of butadiene and acrylonitrile. 3,795,598, 3-5-74, Cl. 204-154.140.

Yule Tree Farms: *See—*
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Yulkowski, Leon, to General Lock Company. Two-piece door knob construction. 3,785,687, 1-15-74, Cl. 292-347.000.

Yum, Su Il: *See—*
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Michaels, Alan S.; Buckles, Richard G.; and Yum, Su Il, 3,840,009.

Yum, Su Il; Buckles, Richard G.; and Barrer, Richard M., to ALZA Corporation. Fluid flow control. 3,831,600, 8-27-74, Cl. 128-214.00r.

Yuminaka, Takeo: *See—*
Iwasaka, Tatsuo; Yuminaka, Takeo; and Matsuzawa, Hideto, 3,844,383.
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Yumino, Hiroshi: *See—*
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Yumoto, Hidekazu: *See—*
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Yumoto, Hirokazu. Variable picture device. 3,842,523, 10-22-74, Cl. 40-65.000.

Yumoto, Hirokazu. Stereographic picture book. 3,855,726, 12-24-74, Cl. 46-34.000.

Yun, Bob Hong, to International Business Machines Corporation. Non-destructive measurement of dielectric properties. 3,840,809, 10-8-74, Cl. 324-158.000.

Yunaska, Matthew R.: *See—*
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Huang, Tracy J.; and Yurchak, Sergei, 3,855,343.

Yurgevich, Howard, to Tenenbaum, Paul and Strick Corporation. Hinge assembly. 3,828,476, 8-13-74, Cl. 49-501.000.

Yurin Tokushu Kogyo Co., Ltd.: *See—*
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Yurugi, Shojiro: *See—*
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Yurugi, Shojiro; and Kikuchi, Shintaro, to Takeda Chemical Industries, Ltd. Dihydropyrimidopyridazine derivatives. 3,787,414, 1-22-74, Cl. 260-246.00b.

Yuryan, Joseph B., to Lapointe Machine Tool Company, The. Automatic loader for broaching machines. 3,805,944, 4-23-74, Cl. 198-20.00r.

Yusa, Haruhiko: *See—*
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Yuska, Leonard J., to United States of America, Navy. Extender test connector for plug-in module. 3,808,532, 4-30-74, Cl. 324-158.00f.

Yutani Juko Kabushiki Kaisha: *See—*
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Yuyama, Yasuaki: *See—*
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Yuzawa, Masaharu. Clarifying device of exhaust gas. 3,803,813, 4-16-74, Cl. 55-246.000.

Yuzawa, Masao: *See—*
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Zabert, Alessandro; and Bettin, Edoardo, to Olivetti, Ing. C., & C. S.p.A. Electric power supply for electronic equipment. 3,831,080, 8-20-74, Cl. 321-18.000.

Zabiak, Daniel M.: *See—*
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Zabin, Burton A., to Bio-Rad Laboratories. Determination of thyroid hormone uptake. 3,823,001, 7-9-74, Cl. 23-230.00b.

Zabinski, Ronald A.: *See—*
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Zabolotny, Ernest R.; Biermann, Wendell J.; and Chang, Peter L., to Carrier Corporation. Process for removing pollutants from gas streams. 3,793,171, 2-19-74, Cl. 204-130.000.

Zabolotsky, Grigory Mikhailovich; Rakovsky, Vladimir Mikhailovich; Shuster, Sergei Alexandrovich; and Boldyrev, Mikhail Vsevolodovich. Method of making split metal packing rings. 3,811,166, 5-21-74, Cl. 29-156.600.

Zaborsky, Oskar R., to Esso Research and Engineering Company. Insolubilized enzymes. 3,830,699, 8-20-74, Cl. 195-63.000.

Zabotin, Alexandr Alexandrovich: *See—*
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Zacaroli, Edward C., to Hamilton Digital Controls, Inc. Self-contained low crossfeed tape cassette assembly. 3,851,115, 11-26-74, Cl. 179-100.20c.

Zaccard, Edward F. Magnetic locating device. 3,837,274, 9-24-74, Cl. 100-35.000.

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Zach, Ella; deceased (Zach, Gunther; legal representative), to Zach, Ludwig, Verpackunger. Two part box. 3,797,730, 3-19-74, Cl. 229-43.000.

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Zach, Ludwig, Verpackunger: *See—*
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Zacha, Bonnie D.: *See—*
Zacha, Russell S.; and Zacha, Bonnie D., 3,785,000.

Zacha, Russell S.; and Zacha, Bonnie D. Sponge brush. 3,785,000, 1-15-74, Cl. 15-244.00r.

Zachariades, George, to Dow Chemical Company, The. Process for making reinforced resin laminates of uniform thickness. 3,810,816, 5-14-74, Cl. 161-214.000.

Zacharias, Freidemann: *See—*
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Zacharin, Alexey T., to United States of America, Army. Motion sensitive explosive with a delay mechanism. 3,786,750, 1-22-74, Cl. 102-8.000.

Zacharin, Alexey T., to United States of America, Army. Fail-safe hand grenade. 3,823,669, 7-16-74, Cl. 102-64.000.

Zacharin, Alexey T., to United States of America, Army. Hand grenade trigger safety lock. 3,823,670, 7-16-74, Cl. 102-64.000.

Zachary, Paul Byne, to Emerson Labeltape Corporation. Sewing tape. 3,797,120, 3-19-74, Cl. 33-137.00r.

Zachev, Ivan: *See—*

Gautraud, Michael G.; Gretzky, Anthony J.; Zachev, Ivan; Dunn, Richard D.; and Szymanski, Richard, 3,825,749.

Zachman, Anthony J. Combined joist and reinforcing bar holder and structure formed therewith. 3,837,135, 9-24-74, Cl. 52-702.000.

Zachry, H. B., Company, mesne: *See—*
Melton, Rosser B., Jr.; Clark, John M., Jr.; Mathis, Ronald J.; Weatherford, William D., Jr.; and Wood, Charles D., III, 3,801,346.

Zachry, H.B., Company: *See—*
Putnam, Alvin A., 3,799,358.

Zack, Alexander T.; Kopelman, Bernard; and KcKenna, John F., to GTE Sylvania Incorporated. Sodium vapor lamp having an improved grooved alumina arc tube. 3,806,747, 4-23-74, Cl. 313-15.000.

Zackay, Victor F.: *See—*
Pickus, Milton R.; Parker, Earl R.; and Zackay, Victor F., 3,815,224.

Zackay, Victory F.: *See—*
Jones, Russell H.; Parker, Earl R.; and Zackay, Victory F., 3,794,532.

Zackey, Victor F.: *See—*
Parker, Earl R.; and Zackey, Victor F., 3,836,407.

Zackheim, Eli A., to Silver, Jules. Prepunctured closure. 3,823,840, 7-16-74, Cl. 215-247.000.

Zacouto, Fred. Heart pacer. 3,857,399, 12-31-74, Cl. 128-419.00p.

Zadde, Vitaly Vinktorovich: *See—*
Lidorenko, Nikolai Stepanovich; Landsman, Arkady Pavlovich; Strebkov, Dmitry Semenovich; Zaitseva, Aita Konstantinovna; Zadde, Vitaly Vinktorovich; and Kosarev, Viktor Sergeevich, 3,793,713.

Zadgorski, Stoyan Nedkov: *See—*
Balevski, Anguel Tonchev; Nikolov, Ivan Dimov; Dimova, Vasilka Petrova; and Zadgorski, Stoyan Nedkov, 3,850,625.

Zadoo, Vijay K.: *See—*
Sime, Malcolm A.; Lambeau, Eugene; and Zadoo, Vijay K., 3,792,716.

Zadoo, Vijay K., to Vapor Corporation. Pressure regulator with flow limiter. 3,792,713, 2-19-74, Cl. 137-486.000.

Zadow, Dale W.: *See—*
Berry, Holland J.; Hardy, William C.; and Zadow, Dale W., 3,817,332.

Zadow, Hanni; and Zadow, Herbert Rudolph Julius. Valves. 3,851,664, 12-3-74, Cl. 137-596.150.

Zadow, Herbert Rudolph Julius: *See—*
Zadow, Hanni; and Zadow, Herbert Rudolph Julius, 3,851,664.

Zaehner, Hans: *See—*
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Zaffaroni, Alejandro, to ALZA Corporation. Agmatine prostaglandins. 3,845,111, 10-29-74, Cl. 260-501.140.

Zaffaroni, Alejandro, to Alza Corporation. Intrauterine contraceptive anti-fertility device for the management of reproduction. 3,845,761, 11-5-74, Cl. 128-130.000.

Zaffaroni, Alejandro, to Alza Corporation. Drug-delivery system. 3,854,480, 12-17-74, Cl. 128-260.000.

Zafirouglu, Dimitri P., to Du Pont de Nemours, E. I., and Company. Air-laying process for forming a web of textile fibers. 3,797,074, 3-19-74, Cl. 156-300.000.

Zagala, Pasquale Rudolph; Moore, Bill; and Taylor, Vincent J.; deceased (by Zellmer, Wayne George; executor), to United States of America, Navy. Fairing, rocket launcher. 3,851,561, 12-3-74, Cl. 89-1.800.

Zagar, Frank G. Stabilizing means for multiple spindle drive. 3,813,951, 6-4-74, Cl. 74-63.000.

Zagar, Frank G. Concrete frame machines. 3,800,636, 4-2-74, Cl. 82-32.000.

Zagarella, Adriano: *See—*
Portinari, Giovanni; and Zagarella, Adriano, 3,829,600.

Zahaczewski, Michel: *See—*
Duroux, Jean; and Zahaczewski, Michel, 3,801,896.

Zahalka, Jindrich; Plander, Emil; and Grac, Zdenek, to Ustav pro vyzkum, vyrobu a vyuziti radioisotopu. Process for preparing 1,1,1-trichloroethane. 3,846,268, 11-5-74, Cl. 204-163.0he.

Zaharoni, Isaac. Control system for environmental conditioning units. 3,797,560, 3-19-74, Cl. 161-26.000.

Zahid, Abduz, to Green Hydraulics, Inc. Pressure pulse dampener device. 3,782,418, 1-1-74, Cl. 138-26.000.

Zahid, Abduz, to Greer Hydraulics, Inc. Pressure accumulator. 3,792,721, 2-19-74, Cl. 138-30.000.

Zahid, Abduz, to Greer Hydraulics, Inc. Pressure pulse dampener device. 3,857,413, 12-31-74, Cl. 138-26.000.

Zahler, Wolf Dieter: *See—*
Schmitt, Werner; Purrmann, Robert; Jochum, Peter; and Zahler, Wolf Dieter, 3,810,938.

Zahler, Wolf-Dieter: *See—*
Schmitt, Werner; Purrmann, Robert; Jochum, Peter; and Zahler, Wolf-Dieter, 3,804,794.

Zahn, Erwin; Meisinger, Wilhelm R.; and Magnifico, George, to General Staple Company, Inc. Apparatus for forming and applying a strain relief splice from a continuous supply strip. 3,849,860, 11-26-74, Cl. 29-203.0ds.

Zahn, Gunter, to Ziller & Co. Method of making a frictional connection between an antifriction bearing and a sealing ring. 3,828,411, 8-13-74, Cl. 29-148.40s.

Zahn, Wolfgang: *See—*
Fergg, Berthold; Zahn, Wolfgang; and Hujer, Friedrich, 3,841,936.
Schneider, Horst; Fergg, Berthold; Zahn, Wolfgang; Friedrich, Hujer; and Erich, Nagel, 3,857,220.

Zahn, Wolfgang; and Huber, Hans-Peter, to Agfa-Gevaert Aktiengesellschaft. Method and apparatus for encoding and treating strips of photographic print. 3,811,768, 5-21-74, Cl. 355-29.000.

Zahn, Wolfgang; Fergg, Berthold; and Knapp, Walter, to Agfa-Gevaert Aktiengesellschaft. Color printer using light flash tubes. 3,813,158, 5-28-74, Cl. 255-38.000.

Zahn, Wolfgang; Weinert, Volker; Thiene, Hans; and Hujer, Friedrich, to Agfa-Gevaert Aktiengesellschaft. Photographic film copying apparatus. 3,829,214, 8-13-74, Cl. 355-83.000.

Zahnd, Gaston: *See—*
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Zahner, John C.: *See—*
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Zahner, John C., to Mobil Oil Corporation. Process for separating uranium isotopes. 3,788,038, 1-29-74, Cl. 55-17.000.

Zahnraderfabrik Renk AG: *See—*
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Zahnradfabrik Friedrichshafen AG: *See—*
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Zahnradfabrik Friedrichshafen Aktiengesellschaft: *See—*
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Hamma, Karlmann; and Baurle, Horst, 3,805,676.
Jablonsky, Erich, 3,824,905.
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Lang, Armin, 3,832,849.
Maurer, Gerhard; and Geiger, Fritz, 3,834,503.
Osterloff, Kurt; and Ruhrnschopf, Georg, 3,831,695.
Ott, Anton, 3,820,418.
Podssuweit, Klaus; and Felder, Winfried, 3,814,224.
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Zahorsky, John Richard, to Crosby Valve & Gage Company. Safety valve. 3,854,494, 12-17-74, Cl. 137-472.000.

Zahr, Karl-Heinz; and Hartel, Gunter, to Deutsche Vergaser GmbH & Co., K.G. Sleeve valve-actuated carburetor for internal combustion engines. 3,804,384, 4-16-74, Cl. 261-44.00r.

Zahradka, Pavel; Bozejovska, Libuse; and Dvorakova, Alena, to Elitex Zavody textilniho Strojirenstvi generalni reditelstvi. Cam system for double cylinder knitting machine. 3,834,187, 9-10-74, Cl. 66-14.000.

Zahuranec, Emery J.; Bedo, Alfred; and Barth, Ross E., to Crawford Fitting Company. Dispensing package for elongated bodies. 3,812,963, 5-28-74, Cl. 206-468.000.

Zahuranec, Emery J.; and Barth, Ross E., to Crawford Fitting Company. Method of assembly of tube. 3,838,493, 10-1-74, Cl. 29-433.000.

Zai Faroni, Alejandro, to Alza Corporation. Bandage for the administration of drug by controlled metering through microporous materials. 3,797,494, 3-19-74, Cl. 128-268.000.

Zaichenko, Jury Leonidovich: *See—*
Rogalsky, Anatoly Viktorovich; Markevich, Vitaly Mikhailovich; Kheifets, Georgy Naumovich; Zaichenko, Jury Leonidovich; Baburov, Valery Efremovich; Pavlovsky, Vladimir Petrovich; Golban, Eduard Vasilievich; Pechennik, Leonid Naumovich; Knyazhinsky, Zakhar sipovich; Bogatov, Nikolai Alexandrovich; Raichuk, Jury Isaakovich; Zaritsky, Vaktor Nikolaevich; and Grodzitsky, Evgeny Fedorovich, 3,812,909.

Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai: *See—*
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Zaidan Hojin Biseibutsu Kagaku Kenkyukai (Microbial Chemistry Research Foundation): *See—*

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Zaidan Hojin Handotai Kenkyu Shinkokai: *See—*
Nishizawa, Jun-Ichi; and Terasaki, Takeshi, 3,828,230.
Nishizawa, Junichi; and Nonaka, Terumoto, 3,829,885.

Zaidan, Joseph P. Shag rug vacuum head. 3,797,066, 3-19-74, Cl. 15-369.000.

Zaiden Hojin Handotai Kenkyu Shinkokai: *See—*
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Zaika, Jury Pavlovich: *See—*
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Zaika, Oleg Nikolaevich: *See—*
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Zaiser, Wolfgang, to Daimler-Benz Aktiengesellschaft. Planetary gear change-speed transmissions, especially for motor vehicles. 3,831,464, 8-27-74, Cl. 74-763.000.

Zaiser, Wolfgang, to Daimler-Benz Aktiengesellschaft. Actuating mechanism for engageable devices in planetary gear transmissions. 3,844,393, 10-29-74, Cl. 192-87.110.

Zaitsev, Nikolai Ivanovich: *See—*
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Zaitsev, Vera Dmitrievna: *See—*
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Zaitseva, Aita Konstantinovna: *See—*
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Zaitsu, Hiroshi: *See—*
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Zajac, Bruno G., to Conaar Corporation. Coin controlled meter construction. 3,782,519, 1-1-74, Cl. 194-83.000.

Zajac, Chester; and Baltrush, John, to Robertshaw Controls Company. Master clock standby switching circuitry. 3,801,795, 4-2-74, Cl. 307-66.000.

Zajac, Chester S. Automatic screw machine tool holder. 3,843,144, 10-22-74, Cl. 279-51.000.

Zajac, David A. Quick pre-set multiple purpose measuring tool. 3,807,049, 4-30-74, Cl. 33-165.000.

Zajac, Donald M.; and Kubota, James, to Omni Spectra, Inc. Connector locking mechanism. 3,810,073, 5-7-74, Cl. 339-91.00r.

Zajac, Lawrence J., to Rockwell International Corporation. Porous tube injector. 3,835,886, 9-17-74, Cl. 137-604.000.

Zajac, Peter P., to Guardian Industries Corporation. Method and apparatus for making photographic print strips. 3,807,855, 4-30-74, Cl. 355-29.000.

Zajacek, John G.: *See—*
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Zajadatz, Heinz: *See—*
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Zajichek, William J., to Allis-Chalmers Corporation. Isolated tractor platform. 3,834,754, 9-10-74, Cl. 296-35.00r.

Zak, Grigory Iosifovich: *See—*
Anikanov, Nikolai Ivanovich; Grachev, Leonid Pavlovich; Goltsman, Samuil Aronovich; Zak, Grigory Iosifovich; Oleinik, Alexandr Ivanovich; Radutsky, Grigory Avramovich; Kheifets, Rafail Efimovich; and Baburin, Evgeny Arkadievich, 3,831,781.

Zak, Henry; and Conner, Donald E., to Van Dyk & Company, Incorporated. Quaternary halides of gluconamides. 3,855,290, 12-17-74, Cl. 260-561.00b.

Zakaras, Anthony E., to Simmons Company. Motor operated bed having low leakage current. 3,781,927, 1-1-74, Cl. 5-67.000.

Zakaria, Moneeb: *See—*
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Zaklady Urzadzen Okretowych "Hydroster": *See—*
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Zako Rohrverbindungen GmbH & Co. KG: *See—*
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Zakrezewski, Erhard: *See—*
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Zaky, Amin Y.: *See—*
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Zalar, David R., to Cutler-Hammer, Inc. Sump pump control system. 3,800,205, 3-26-74, Cl. 318-482.000.

Zalay, Andrew W.: *See—*
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Zalay, Andrew W.; and Bell, Malcolm R., to Sterling Drug Inc. 1-Alkyl-1H, 4H-pyrido [2,3-d] [1,3] oxazine-2,4-diones and their conversion to 1-alkyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acids. 3,838,120, 9-24-74, Cl. 260-244.00r.

Zalbide, Angel de Urruticoechea: *See—*
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Zaleski, John, to Mallory, P. R., & Co., Inc. Combination reserve cell and housing. 3,785,872, 1-15-74, Cl. 136-114.000.

Zaleski, John, to Mallory, P. R., & Co., Inc. Energy cell. 3,787,243, 1-22-74, Cl. 136-107.000.

Zaleski, John F., to Singer Company, The, mesne. Modulating system. 3,836,855, 9-17-74, Cl. 325-113.000.

Zaleski, John F., to Singer Company, The. Passive microwave receiver-transmitter. 3,836,962, 9-17-74, Cl. 343-6.80r.

Zaleski, John F., to Singer Company, The. Gyromagnetic circuit element. 3,845,417, 10-29-74, Cl. 333-24.100.

Zalessky, Vadimir Vasilievich: *See—*
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Zalewski, Edmund J.; Simonian, John L.; and Keating, John T., to Schenectady Chemicals, Inc. Wire enamel based on amide-imide-hydantoin polymers. 3,838,088, 9-24-74, Cl. 260-33.40p.

Zalis, Albert A., to Warren Pumps, Inc. Pulseless pump. 3,792,939, 2-19-74, Cl. 417-539.000.

Zalis, Albert A., to Houdaille Industries, Inc. Screw liner. 3,841,805, 10-15-74, Cl. 418-178.000.

Zalkin, Michel, to Fowler Products, Inc. Impact roller for automatic decapping machine. 3,807,134, 4-30-74, Cl. 53-381.00a.

Zalkin, Semen Ivovich: *See—*
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Zalm, Pieter: *See—*
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Zalucki, Kazimierz. Specimen-taking device. 3,800,781, 4-2-74, Cl. 128-2.00b.

Zalucki, Kazimierz. Menses collector. 3,841,333, 10-15-74, Cl. 128-285.000.

Zama, Matuo: *See—*
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Zamacola, Eduardo Iraegui. Gas cylinder for firearms. 3,810,412, 5-14-74, Cl. 89-90.00a.

Zambakoglu, Feyyaz I.: *See—*
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Zambelli, Celestino: *See—*
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Zambo, Pal: *See—*
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Giflo, Henrik; Enekes, Sandor; Zambo, Pal; Sziklavari, Janos; Farkas, Istvan; Ivan, Geza; Molnar, Jozsef; Vamosi, Jozsef; and Valko, Janos, 3,833,360.
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Zambon, Giacomo R., to Udylite Corporation, The. Work rack agitation device. 3,796,646, 3-12-74, Cl. 204-222.000.

Zambon S.p.A.: *See—*
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Zamboni, Frank J., to Zamboni, Frank J., & Co. Water removal machine for artificial turf. 3,835,500, 9-17-74, Cl. 15-319.000.

Zamboni, Frank J., & Co.: *See—*
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Zamboto, Raymond Peter. Refreshed CRT display with ECG. 3,793,626, 2-19-74, Cl. 340-172.500.

Zambrovskaya, Galina Vladimirovna: *See—*
Samoilov, Sergei Mikhailovich; Ivanov, Vladimir Ivanovich; Zambrovskaya, Galina Vladimirovna; Tsvetkov, Oleg Nikolaevich; Monastyrsky, Viktor Nikolaevich; Bespalov, Evgeny Ivanovich; Gryaznov, Boris Vasilievich; and Molchanov, Boris Vladimirovich, 3,828,01.

Zamiara, Anthony W., to Maplecrest Sausage Co., Inc. Cooling system for sausages. 3,844,135, 10-29-74, Cl. 62-375.000.

Zamkov, Vadim Nikolaevich: *See—*
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Zamotin, Radvinon I. Safety pin. 3,783,475, 1-8-74, Cl. 24-158.00s.

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Zanboorie, Mohammed H., to United States of America, Health, Education, and Welfare. Switch failure monitoring device. 3,857,067, 12-24-74, Cl. 317-9.00a.

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Zander, Erik Gustav Ake: *See—*
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Zanft, Auram B., to Morse Boulger, Inc. Thermal sterilizer for contaminated air. 3,822,987, 7-9-74, Cl. 431-353.000.

Zangenfeind, Helmut; and Nagel, Erich, to Agfa-Gevaert Aktiengesellschaft. Apparatus for detecting and guiding the leaders of photographic roll films. 3,823,888, 7-16-74, Cl. 242-55.000.

Zangl, Karl. Segmented vulcanising fire mould. 3,787,155, 1-22-74, Cl. 425-47.000.

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Zanini, Peter, to Arrow-Hart, Inc. Motor control circuit. 3,814,986, 6-4-74, Cl. 317-13.00r.

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Zanker, Klaus Joachim: *See—*
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Zankl, Frank, to Kearney & Trecker Corporation. Automatic lubrication system. 3,856,114, 12-24-74, Cl. 184-6.100.

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Zankl, Walter: *See—*
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Zanoni, Carl A., to Zygo Corporation. Differential optical noncontacting diameter gauge utilizing a pair of linearly scanning light beams sequentially scanning the test piece. 3,853,406, 12-10-74, Cl. 356-167.000.

Zanoni, Carl A., to Zygo Corporation. Optical noncontacting diameter gauge. 3,856,411, 12-24-74, Cl. 356-167.000.

Zanoni, Carl A., to Zygo Corporation. Optical noncontacting gauge. 3,856,412, 12-24-74, Cl. 356-167.000.

Zanoni, Carl Z., to Zygo Corporation. Optical noncontacting surface sensor for measuring distance and angle of a test surface. 3,847,485, 11-12-74, Cl. 256-167.000.

Zanoni, Ernesto, to S.p.A. Luigi Franchi. Gun. 3,798,817, 3-26-74, Cl. 42-42.000.

Zanoni, Ernesto, to S.p.A. Luigi Franchi. Breech-block for automatic guns, more particularly automatic shotguns. 3,845,689, 11-5-74, Cl. 89-181.000.

Zanoni, Ernesto, to Franchi, Luigi, S.p.A. Gas utilization device for automatic guns, more particularly for automatic shotguns. 3,848,511, 11-19-74, Cl. 89-191.00a.

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Zapos, Nick G. Football lighted goal posts. 3,825,261, 7-23-74, Cl. 273-55.00r.

Zappia, Anthony T. Case packer. 3,826,382, 7-30-74, Cl. 214-1.0bb.

Zappia, Anthony T. Tester head. 3,835,698, 9-17-74, Cl. 73-94.000.

Zappia, Anthony T. Modular conveyor stand. 3,835,982, 9-17-74, Cl. 198-204.000.

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Zawiski, Robert F.; Crider, Albert A.; and Ernohazy, Stephen, to Addressograph-Multigraph Corporation. Sheet feeding apparatus for copy machine. 3,833,214, 9-3-74, Cl. 271-270.000.
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Zecher, Wilfried; Roos, Ernst; and Merten, Rudolf, to Bayer Aktiengesellschaft. N-cycloalkenyl-N-aryl-N'-alkyl-ureas. 3,839,440, 10-1-74, Cl. 260-553.00a.
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Zegafuse, Donald W., Jr.: *See—*
Dattilo, Anthony J.; and Zegafuse, Donald W., Jr., 3,835,249.
Zegarski, Ronald J.; and Engram, Robert L., to Motorola, Inc. Shock falsing inhibitor circuit for a plural tone receiver. 3,806,938, 4-23-74, Cl. 340-167.00r.
Zegers, Incorporated: *See—*
Koebel, Thomas P., 3,842,991.
Zegers, Leo Eduard; and Snijders, Wilfred, to U.S. Philips Corporation, mesne. System for transmitting information in the prescribed frequency-band. 3,824,468, 7-16-74, Cl. 324-32.000.
Zehender, Ernst: *See—*
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Zehner, George M., Jr., to General Partitions Mfg. Corporation. Pilaster and wall partition combination. 3,824,747, 7-23-74, Cl. 52-239.000.
Zehner, William H., to Tecno Products Company. Reciprocating pump. 3,817,663, 6-18-74, Cl. 417-569.000.
Zehnpfennig, Theodore F., to Visidyne, Inc. Compact camera with highly folded optical system. 3,818,498, 6-18-74, Cl. 354-150.000.
Zehr, Phyllis Joan Lane; Lank, Monita May Thorp; and Lank, Psych, to Reactor Accelerator Development International, Inc. Method and means for utilizing accelerated neutral particles. 3,846,636, 11-5-74, Cl. 250-499.000.
Zehr, William J., to Protectoseal Company, The. Grounding clamping lever. 3,850,490, 11-26-74, Cl. 339-14.00r.
Zehren, James N., to TRW, Inc. Well pump torque absorber assembly. 3,826,525, 7-30-74, Cl. 285-223.000.
Zeichman, Robert G. Pneumatic hold down table. 3,787,039, 1-22-74, Cl. 269-13.000.
Zeiders, Glenn W., Jr.; and Bella, Richard A., to Avco Corporation. High power laser energy measuring device. 3,783,685, 1-8-74, Cl. 73-190.00r.
Zeidler, Guenter: *See—*
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Zeiffer, Dieter F., to Gaston County Dyeing Machine Company. Honeycomb roll. 3,828,410, 8-13-74, Cl. 29-121.00r.
Zeiger, Robert J.; and Gerdts, John C., to United States of America, National Aeronautics and Space Administration. Concentric differential gearing arrangement. 3,818,775, 6-25-74, Cl. 74-675.000.
Zeigler, Jacob T.: *See—*
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Zeigler, Paul P.; and Roberts, Sidney G., to Kaiser Aluminum & Chemical Corporation. Aluminum electrical conductor and process for making the same. 3,827,917, 8-6-74, Cl. 148-2.000.
Zeigler, Ted. Collapsible framework and cover. 3,838,703, 10-1-74, Cl. 135-4.00r.
Zeigner, Willard L.; Popitt, Gordon J.; Sargeant, John E.; and Zawistowski, Ronald J., to Mattel Inc. Starting mechanism for toy with phonograph. 3,796,284, 3-12-74, Cl. 185-39.000.
Zeile, Karl: *See—*
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Mentrup, Anton; Zeile, Karl; Danneberg, Peter; Schromm, Kurt; Guenard, Jeanette; Renth, Ernst-Otto; and Stotzer, Harry, 3,846,549.
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Weber, Karl Heinz; Zeile, Karl; Danneberg, Peter; Giesemann, Rolf; and Hauptmann, Karl Heinz, 3,836,653.

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Zeilman, Mary C. Safety security vest. 3,788,309, 1-29-74, Cl. 128-134.000.

Zeimer, Harry, to State of Israel, The. Transporter for use in water. 3,797,445, 3-19-74, Cl. 115-1.00r.

Zeimet, Heinrich; Rentel, Alfred; and Montz, Horst, to Seitz-Werke G.m.b.H. Device for shutting off the return gas line of counter-pressure filling elements of multi-chamber vessel filling machines. 3,782,427, 1-1-74, Cl. 141-39.000.

Zeineh, Rashic A. Electrophoresis and electrofocusing apparatus. 3,799,863, 3-26-74, Cl. 204-299.000.

Zeise, Theodor: *See—*
Brehme, Hans, 3,791,762.

Zeiser, Donald K. Precision electronic tuning device. 3,788,184, 1-29-74, Cl. 84-454.000.

Zeiss, Philip M.: *See—*
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Zeiss-Stiftung, Carl: *See—*
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Hoerenz, Peter G.; and Ludl, Helmut, 3,827,070.
Kratzer, Bernd J. L.; and Ulffers, Heinz, 3,791,719.

Zeithammer, Erna. Folding bed assembly. 3,851,344, 12-3-74, Cl. 5-164.00d.

Zeitlein, Bruce A.: *See—*
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Zeitler, Gerhard: *See—*
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Trieschmann, Hans-Georg; Pfanmueller, Helmut; and Zeitler, Gerhard, 3,790,548.

Zeitlin, Alexander. Apparatus and method for hydrostatic extrusion. 3,810,374, 5-14-74, Cl. 72-60.000.

Zeitlin, Benjamin R.: *See—*
Biscardi, Salvatore F.; and Zeitlin, Benjamin R., 3,810,995.

Zeitlin, Bruce A.: *See—*
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Zeitlin, Edward J. Pressure operated modulating meter for regulating a flue damper. 3,788,795, 1-29-74, Cl. 431-13.000.

Zeitner, Edward J., Jr.: *See—*
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Zelahy, John W., to General Electric Company. Nickel base diffusion bonded article. 3,820,961, 6-28-74, Cl. 29-194.000.

Zelawski, Zbigniew S.: *See—*
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Zeldman, Maurice I.; and Schechter, Edward G., to Rockwell International Corporation. Fluid pressure device. 3,805,705, 4-23-74, Cl. 104-155.000.

Zeldman, Maurice I., to Rockwell International Corporation. Curvilinear bearing assembly. 3,838,897, 10-1-74, Cl. 308-6.00c.

Zeldman, Maurice I., to Rockwell International Corporation. Power transmission belt. 3,851,536, 12-3-74, Cl. 74-231.00m.

Zelenka, Donald J., to General Motors Corporation. Temperature responsive switch. 3,784,947, 1-8-74, Cl. 337-320.000.

Zelenka, Hermann, to Daimler-Benz Aktiengesellschaft. Method and apparatus for limiting the velocity of a vehicle, especially of motor vehicles, to a desired velocity. 3,800,904, 4-2-74, Cl. 180-105.00e.

Zelenko, Harry: *See—*
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Zelenz, Martin L., to GTE Sylvania Incorporated. Automatic gain control circuitry and filter. 3,800,240, 3-26-74, Cl. 330-52.000.

Zelikovitz, Joseph. Air deflector for vehicle. 3,814,472, 6-4-74, Cl. 296-1.00s.

Zelina, William B., to General Systems, Inc. Battery charging system for emergency battery systems. 3,784,892, 1-8-74, Cl. 320-40.000.

Zelinski, Paul A.: *See—*
Clements, John L.; Keehn, Paul J.; Jones, Leo V., Jr.; and Zelinski, Paul A., 3,845,425.
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Jones, Leo V., Jr.; and Zelinski, Paul A., 3,831,151.

Zelinski, Paul A.; and Jones, Leo V., to GTE Automatic Electric Laboratories, Incorporated. Memory expansion arrangement in a central processor. 3,786,436, 1-15-74, Cl. 340-172.500.

Zelinski, Paul A., to GTE Automatic Electric Laboratories, Incorporated. Communication switching system having separate register subsystem and stored program processor each having its own memory, and data transfer by processor access to the register memory 3,820,085, 6-25-74, Cl. 340-172.500.

Zelinski, Robert P.; and Hudson, Paul S., to Phillips Petroleum Company. Solid composite propellants containing copolymers of conjugated dienes with unsaturated carboxylic acids. 3,830,675, 8-20-74, Cl. 149-19.900.

Zell, Felician A., to Vapor Corporation. Variable length valve. 3,836,115, 9-17-74, Cl. 251-150.000.

Zell, Howard C.; and Borick, Paul M., to Arbrook, Inc. N-Substituted azabicyclononanes. 3,816,407, 6-11-74, Cl. 260-239.0ba.

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Zellbeck, Gustav; Bertsch, Dieter; and Hofsass, Dieter, to Bosch, Robert, G.m.b.H. Control face arrangement for an axial piston machine. 3,851,669, 12-3-74, Cl. 137-625.210.

Zeller, Bruno: *See—*
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Zeller, Burton S.: *See—*
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Zeller Corporation, The: *See—*
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Zeller, Henry O. Cartridge loading golf tee dispenser. 3,800,981, 4-2-74, Cl. 221-198.000.

Zeller, Henry O. Combination golf emblem and tee dispenser. 3,840,149, 10-8-74, Cl. 221-199.000.

Zeller, Josef: *See—*
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Zeller, Rainer, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Fuel for a magneto-hydrodynamic generator. 3,798,089, 3-19-74, Cl. 149-22.000.

Zeller, Rainer, to Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Fuel for magnetohydrodynamic generator. 3,801,386, 4-2-74, Cl. 149-22.000.

Zeller, Robert: *See—*
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Zeller, Robert Dale, to Johns-Manville Corporation. Method and apparatus for centering a luminaire support. 3,847,333, 11-12-74, Cl. 248-125.000.

Zeller, Robert G., to Rockwell International Corporation. Railroad hopper car hatch cover assembly. 3,796,168, 3-12-74, Cl. 105-377.000.

Zellerhoff, Knut; Schutz, Siegismund; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. N1-acyl-2-phe nylhydrazino-2-imidazolines and processes for their preparation and use. 3,799,921, 3-26-74, Cl. 260-240.00j.

Zellers, James T.: *See—*
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Zelley, Walter G.; Burrell, Lower; and Rogerson, William M., to Aluminum Company of America. Coated aluminum welding electrode and filler rod. 3,791,860, 2-12-74, Cl. 117-202.000.

Zellmer, Wayne George: *See—*
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Zellner, Carl N., to Celanese Corporation. Polyamidoxime and imidazole polymers. 3,806,494, 4-23-74, Cl. 260-78.0tf.

Zellweger AG: *See—*
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Zellweger, Jurg; and Hurlemann, Ernst, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for the multi-stage, hydraulic-mechanical braking of the forward movement a desplacable barrel of an automatic firing weapon. 3,805,668, 4-23-74, Cl. 89-177.000

Zellweger Ltd.: *See—*
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Zellweger Ltd., Uster Factories for Apparatus and Machines: *See—*
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Zelson, Joseph, to Du Pont de Nemours, E. I., and Company. Optical aid for simulated driving of motor vehicles. 3,827,292, 8-6-74, Cl. 73-117.000.

Zeltcer, Sandra M.: *See—*
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Zemanek, Rudolph; and Zemanek, Elena. Universal unit-converting slide rule. 3,790,074, 2-5-74, Cl. 235-89.00r.

Zemann, Egon: *See—*
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Zembaty, Stanley A., to General Electric Company. Meter dial with mirror image portion. 3,782,324, 1-1-74, Cl. 116-129.00t.

Zemien, Andrew S. Apparatus for loading snowmobiles on trailers. 3,786,950, 1-22-74, Cl. 214-506.000.

Zemtsov, Nikolai Nikolaevich: *See—*
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Zen, Giovanni. Lightweight concrete panel. 3,845,593, 11-5-74, Cl. 52-144.000.

Zenchnowitz, Alvin L.; Xenakis, James A.; Barbieri, John D.; and Chang, Nai Chai, to United States of America, Army, mesne. Settable pneumatic altitude detection equipment. 3,827,361, 8-6-74, Cl. 102-70.20r.

Zener, Clarence, to Carnegie Mellon University. Modularized sea power electrical generator plant. 3,805,515, 4-23-74, Cl. 60-641.000.

Zengel, Hans-Georg: *See—*
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Zengierski, Leon: *See—*
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Zenhausern, Heinrich. Ladder. 3,786,899, 1-22-74, Cl. 182-93.000.

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Zenkner, Kurt; Kozel, Franz; and Thomsen, Heike, to Punker GmbH Apparatebau und Warmetechnik. Radial blower, especially for oil burners. 3,824,028, 7-16-74, Cl. 415-53.000.

Zenkner, Kurt. Device for thermal afterburning of exhaust air. 3,827,861, 8-6-74, Cl. 23-277.00c.

Zenkosha Tokie Kabushiki Kaisha: *See—*
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Zennie, Michael Maurice. Liquid spray device. 3,857,515, 12-31-74, Cl. 239-169.000.

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Zens, John F.: *See—*
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Zens, John F., to General Motors Corporation. Occupant restraint system. 3,794,347, 2-26-74, Cl. 280-150.0ab.

Zentar, Richard L., to T-R Wire Co. Retentive hanger bracket. 3,831,893, 827-74, Cl. 248-223.000.

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Zentner, Kurt J., Jr.: *See—*
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Zentz, William E., Jr., to Engelhard Minerals & Chemicals Corporation. Opacity of clay films. 3,816,153, 6-11-74, Cl. 106-288.00b.

Zentz, William E., Jr., to Engelhard Minerals & Chemicals Corporation. Method for processing kaolin clay pigment and improved product thereof. 3,850,653, 11-26-74, Cl. 106-288.00b.

Zentz, William E., Jr., to Engelhard Minerals & Chemicals Corporation. Opacity of clay films. 3,856,563, 12-24-74, Cl. 117-152.000.

Zenz, Fred J., to Whirlpool Corporation. Electric heating unit for clothes dryers. 3,799,387, 3-26-74, Cl. 220-18.000.

Zenz, Frederick A. Restrained bed filer-reactor. 3,800,508, 4-2-74, Cl. 55-96.000.

Zenz, Frederick A. Folded transfer line reactor. 3,826,738, 7-30-74, Cl. 208-153.000.

Zepeda, Juan L.: *See—*
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Zepell, Nathan A. Writing instrument with transversely movable clip. 3,796,501, 3-12-74, Cl. 401-106.000.

Zepell, Nathan A. Multi-tip writing instrument with swinging door selector. 3,797,945, 3-19-74, Cl. 401-33.000.

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Zimmer, Edward J. Wire dispensing cart. 3,856,230, 12-24-74, Cl. 242-86.50r.
Zimmer, George A.; and Struttmann, Hilarius S., to Borg-Warner Corporation. Bearing assembly. 3,807,819, 4-30-74, Cl. 308-207.000.
Zimmer, George A.; and Struttmann, Hilarius S., to Borg-Warner Corporation. Bearing assembly. 3,845,999, 11-5-74, Cl. 308-194.000.
Zimmer, George A.; and Struttmann, Hilarius S., to Borg-Warner Corporation. Bearing assembly. 3,850,485, 11-26-74, Cl. 308-194.000.
Zimmer, Horst Franz. Device for attaching a lateral cladding molding on the edge of a roof. 3,851,429, 12-3-74, Cl. 52-94.000.
Zimmer, Jean-Claude: *See—*
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Zimmer, Peter: *See—*
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Zimmer, Peter. Roller squeegee with resilient teeth to increase liquid penetration. 3,804,011, 4-16-74, Cl. 101-120.000.
Zimmer, Peter. Rotary screen interrupter with squeegee lift means. 3,834,307, 9-10-74, Cl. 101-115.000.
Zimmer, Peter. Rotary screen printer with programmable screen interrupt. 3,834,309, 9-10-74, Cl. 101-715.000.
Zimmer, Peter. Apparatus for printing and/or dyeing of high pile webs. 3,852,980, 12-10-74, Cl. 68-5.00d.
Zimmer, Robert E., to Addressograph-Multigraph Corporation. Sheet dispenser. 3,825,249, 7-23-74, Cl. 271-109.000.
Zimmerer, Arthur L.; and Anderson, John L., to Lindsay Manufacturing Co. Alignment monitoring system for a self-propelled irrigation system. 3,785,400, 1-15-74, Cl. 137-344.000.
Zimmerer, Arthur L.; Zimmerer, Bernard J.; and Zimmerer, Paul B., to Lindsay Manufacturing Co. Means for rotatably supporting an overhead irrigation pipe. 3,851,659, 12-3-74, Cl. 137-344.000.
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Zimmerer, Robert W., to Scientech, Inc. Method and apparatus adapted for high-speed weighing. 3,805,904, 4-23-74, Cl. 177-54.000.
Zimmerer, Roger Earl, to Procter & Gamble Company, The. Cellulose graft polymer ion exchange material. 3,793,299, 2-19-74, Cl. 260-2.20r.
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Zimmerman, Carl W.; and Copland, George V. Temperature compensated liquid metering system and method. 3,800,242, 3-26-74, Cl. 331-66.000.
Zimmerman, Carl W.; and Copland, George V., to Halliburton Company. Fluid flow metering method and system. 3,802,261, 4-9-74, Cl. 73-194.00e.

Zimmerman, Carl W.; and Copland, George V., to Halliburton Company. Fluid flow metering method and system. 3,839,911, 10-8-74, Cl. 73-194.00e.
Zimmerman, Carle C.: *See—*
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Zimmerman, Carle C., Jr.; and Argabright, Perry A., to Marathon Oil Company. Pyrolyzing hydrocracked naphthas to produce unsaturated hydrocarbons. 3,839,484, 10-1-74, Cl. 260-683.00r.
Zimmerman, Clarence R. Rod weeder. 3,827,504, 8-6-74, Cl. 172-44.000.
Zimmerman, D. W., Mfg., Inc.: *See—*
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Zimmerman, Daniel, to Celanese Corporation. Production of novel open-celled microporous film. 3,801,692, 4-2-74, Cl. 264-210.00r.
Zimmerman, Daniel; and Isaacson, Robert B., to Celanese Corporation. Polyalkylene terephthalate molding resin. 3,814,725, 6-4-74, Cl. 260-40.00r.
Zimmerman, Daniel, to Celanese Corporation. High melt index microporous films. 3,839,240, 10-1-74, Cl. 260-2.5ha.
Zimmerman, Dean O.: *See—*
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Zimmerman, Emil F. High reach attachment for loader. 3,844,435, 10-29-74, Cl. 214-776.000.
Zimmerman, Gilbert A.; and Sherman, Marshall L., to Aerojet-General Corporation. Composite polyurethane propellants with negative pressure exponent of ammonium sulfate. 3,846,195, 11-5-74, Cl. 149-19.400.
Zimmerman, Harold M. Bottom unloader apparatus for silos. 3,809,260, 5-7-74, Cl. 214-17.00d.
Zimmerman, Harold M. Self-contained mobile asphalt mixing and applying apparatus. 3,820,914, 6-28-74, Cl. 404-110.000.
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Zimmerman, Thomas C.; and Michels, Charles E., to Reliance Electric Company. Fully automatic wrapping machine. 3,816,969, 6-18-74, Cl. 53-66.000.
Zimmerman, Thomas H., to United States of America, Army. Rain discriminating fast acting impact switch. 3,786,758, 1-22-74, Cl. 102-70.20r.
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Zimmermann, Ando; and Dammer, Horst, to Isolierflaschen KG. Arrangement for securing the handle of a vacuum flask. 3,807,594, 4-30-74, Cl. 215-100.00a.
Zimmermann, Detlef; and Lougheed, James Hugh, to Bell Canada-Northern Electric Research Limited. Encapsulated electrically resonant circuit and interrogating apparatus and method for finding same in various locations. 3,836,842, 9-17-74, Cl. 324-34.00r.
Zimmermann, Ernest F., to Ampex Corporation. Electronic constant-tension tape-handling system. 3,800,196, 3-26-74, Cl. 318-6.000.
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Zimmermann, Frederick N., to March Manufacturing Company. Magnetically coupled pump structure. 3,802,804, 4-9-74, Cl. 417-360.000.
Zimmermann, Friedrich; Seifert, Ernst; Von Freyhold, Helmut; and Saxen, Arnold; deceased (by Carsch, Elke, nee Saxen; executrix). Process for soil improvement. 3,854,241, 12-17-74, Cl. 47-58.000.
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Zimmermann, Heino; and Hansemann, Heinrich, to Gerdts, Gustav F., KG. Method for measuring liquid level by electrical conductivity. 3,855,861, 12-24-74, Cl. 73-304.00r.
Zimmermann, Heinrich, to Dual Gebruder Steidinger, Firma. Console for record players. 3,782,801, 1-1-74, Cl. 312-284.000.
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Zimmermann, Johann Wolfgang, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of compositions comprising polyvinyl alcohol and a finely dispersed solid. 3,829,402, 8-13-74, Cl. 260-42.130.
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Zimmermann, Norbert, to Triumph Werke Nuernberg A.G. Automatic print head shifting device. 3,817,365, 6-18-74, Cl. 197-1.00r.
Zimmermann, Robert E., to Koppers Company, Inc. Metallurgical furnace. 3,831,914, 8-27-74, Cl. 266-25.000.
Zimmern, Bernard. Globoid worm fluid-flow machines. 3,788,784, 1-29-74, Cl. 418-153.000.
Zimmern, Bernard. Globoid-worm machines for varying the pressure of a fluid. 3,804,564, 4-16-74, Cl. 418-195.000.
Zimmern, Bernard. Compressors and expansion machines of the worm and pinion type. 3,841,806, 10-15-74, Cl. 418-195.000.
Zimmern, Bernard. Rotary compressors with injection of liquid. 3,850,554, 11-26-74, Cl. 418-84.000.
Zimmet, Arthur L. Runaway binding assembly for skis. 3,796,438, 3-12-74, Cl. 280-11.35n.
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Zine, Anthony R., Jr., to Corning Glass Works. Container and partioning system for tubular objects. 3,834,526, 9-10-74, Cl. 206-437.000.
Zine, Anthony R., Jr., to Corning Glass Works. Apparatus and method for fluid collection and partitioning. 3,852,194, 12-3-74, Cl. 210-83.000.
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Zink, John Smith; Schwartz, Robert E.; and Reed, Robert D., to Zink, John, Company. Apparatus for controlling the flow of gases. 3,802,455, 4-9-74, Cl. 137-251.000.
Zink, John Smith; Reed, Robert D.; and Goodnight, Hershel E., to Zink, John, Company. Smokeless flare using liquid water particles. 3,814,567, 6-4-74, Cl. 413-4.000.
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Zinn, Daniel L. Studs. 3,841,047, 10-15-74, Cl. 52-720.000.
Zinn, Daniel L. Method of making walls. 3,841,051, 10-15-74, Cl. 52-747.000.
Zinn, Harold; Schwartz, Martin L.; and Shavel, John, Jr. 4-Hydroxy-3-(3-isoxazolocarbamyl)-2H-1,2-benzothiazine 1,1-dioxides to treat inflammatory fever and pain conditions. 3,816,628, 6-11-74, Cl. 424-246.000.
Zinn, Robert W., to Knox Manufacturing Company. Collapsible projection screen. 3,841,594, 10-15-74, Cl. 248-169.000.
Zinn, Werner, to Siemens Aktiengesellschaft. Ferromagnetic heterojunction diode. 3,818,328, 6-18-74, Cl. 324-43.00r.
Zinnbauer, Frederick W.; and Ferner, Jack C., to Reynolds Metals Company. Apparatus and method for forming an elongated tubular member. 3,841,138, 10-15-74, Cl. 72-369.000.
Zinnbauer, Fredrick W.; and Ferner, Jack C., to Reynolds Metals Company. Method of producing a vehicle bumper. 3,850,763, 11-26-74, Cl. 204-33.000.
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Zinnes, Harold; Schwartz, Martin L.; and Shavel, John, Jr., to Warner-Lambert Company. 4-Hydroxy-3-(3-isoxazolocarbamyl)-2H-1, 2-benzothiazine 1, -dioxides and process for their production. 3,787,324, 1-22-74, Cl. 260-243.00r.
Zinnes, Harold; Schwartz, Martin L.; and Shavel, John, Jr., to Warner-Lambert Company. 4-Hydroxy-3-(3-isoxazolycarbamoyl)-2H-1,2,-benzothiazine 1,1-dioxides and process for their production. 3,822,258, 7-2-74, Cl. 260-243.00r.
Zinnes, Harold; and Lindo, Neil A., to Warner-Lambert Company. Heterocyclic amides of 4-hydroxy-2H-1-benzothiopyran-3-carboxylic acid 1, 1-dioxide and process for their production. 3,826,791, 7-30-74, Cl. 260-294.80c.
Zinnes, Harold; and Lindo, Neil A., to Warner-Lambert Company. Heterocyclic amides of 4-hydroxy-2H-1-benzothiopyran-3-carboxylic acid 1,1-dioxide. 3,828,055, 8-6-74, Cl. 260-294.80c.
Zinnes, Harold; and Lindo, Neil A., to Warner-Lambert Company. 4-Hydroxy-2H-1-benzothiopyran-3-carboxamides and their corresponding S-oxides. 3,828,073, 8-6-74, Cl. 260-327.0th.
Zinnes, Harold; and Lindo, Neil A., to Warner-Lambert Company. Acyl derivatives of 4-hydroxy-2H-1-benzothiopyran-3-carboxamide 1,1-dioxide. 3,835,156, 9-10-74, Cl. 260-327.0th.
Zinnes, Harold; Sircar, Jagadish C.; and Shavel, John, Jr., to Warner-Lambert Company. Alkylaminoalkyl 4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxides and N-alkylaminoalkyl-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-diode. 3,856,784, 12-24-74, Cl. 260-243.00r.
Zinno, Oscar; and Maia, Silvio, to Costruzioni Meccaniche Industriali Genovesi C.M.I. S.p.A. Crane, transport truck and the like, travelling on tyre wheels. 3,807,591, 4-30-74, Cl. 214-394.000.
Zinno, Oscar, to Costruzioni Meccaniche Industriali Genovesi C.M.I. S.p.A. Support and drawing device for rotary converters and rotary converters so obtained. 3,823,930, 7-16-74, Cl. 266-36.00p.
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Zirphile, Jean, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Coding system for stochastic representation. 3,835,452, 9-10-74, Cl. 340-146.200.
Zirps, Wilhelm, to Bosch, Robert, G.m.b.H. Pressure container tube connection. 3,784,237, 1-8-74, Cl. 285-208.000.
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Zisa, William J.: *See—*
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Ziska, John C., to Addressograph-Multigraph Corporation. Plate retainer assembly. 3,812,778, 5-28-74, Cl. 101-110.000.
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Zitz, Alfred: *See—*
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Zlotin, Anatoly Vladimirovich; Krivoshlykov, Jury Mikhailovich; and Tikhonovsky, Alexei Lavrentievich. Mechanism for handling a billet melted in a hermetically-sealed furnace. 3,851,775, 12-3-74, Cl. 214-18.00r.
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Zocher, Josef, to Singer Company, The, mesne. Fork needle. 3,792,512, 2-19-74, Cl. 28-4.00n.
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Zographos, Georg; and Frey, Christoph, to Ciba-Geigy AG. Photoelectrophoretic imaging process employing naphthofuranediones. 3,811,883, 5-21-74, Cl. 96-1.300.
Zographos, Georgeos; Pugin, Andre; and Burdeska, Kurt, to Ciba-Geigy Corporation. Use of dioxazine pigments in the photoelectrophoretic production of images. 3,852,064, 12-3-74, Cl. 96-1.300.
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Zola, Meyer Joseph, to Bell Telephone Laboratories, Incorporated. Self-checking decoder. 3,784,978, 1-8-74, Cl. 340-146.1ab.
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Zoleta, Jose C. Method and apparatus for generating electrical voltage of amplitude varying with time. 3,835,369, 9-10-74, Cl. 323-44.00f.
Zoleta, Jose C. Method and system for reducing pollutants from engine exhaust. 3,835,645, 9-17-74, Cl. 60-274.000.
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Zoltan, Steven I., to Gould Inc. Pulsed droplet ejecting system. 3,857,049, 12-24-74, Cl. 310-8.100.
Zombro, Ray H. Shoes. 3,803,731, 4-16-74, Cl. 36-57.000.
Zondler, Helmut; and Pfleiderer, Wolfgang, to Ciba-Geigy AG. Curable mixtures of epoxide resins and piperidine derivatives. 3,855,157, 12-17-74, Cl. 260-2.00n.
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Zonker, Lawrence C.; and Jensen, Ervin F., to Beam Products Manufacturing Company. Gaseous fuel carburetor including improved metering and distribution systems. 3,843,138, 10-22-74, Cl. 48-180.00c.
Zonneveld, Frans Wessel; and Westhof, Johannes, to U.S. Philips Corporation. Interrogation apparatus and method including a record carrier for storing images with addresses. 3,829,844, 8-13-74, Cl. 340-172.500.
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Zoppi, Bruno, to Fabbrica Italiana Magneti Marelli S.p.A. Hydraulic driving unit for windshield wipers in motor vehicles. 3,823,561, 7-16-74, Cl. 60-592.000.
Zorayan, Vahan: *See—*
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Zoroglu, Demir S., to Motorola, Inc. Low parasitic microwave package. 3,784,884, 1-8-74, Cl. 317-234.00r.
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Zorumski, William E., to United States of America, National Aeronautics and Space Administration. Noise suppressor. 3,830,335, 8-20-74, Cl. 181-33.00f.
Zosel, Kurt, to Studiengesellschaft Kohle mbH. Process for recovering caffeine. 3,806,619, 4-23-74, Cl. 426-478.000.
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Zrostlik, Francis L.; and Collins, John J., to Iowa Mold Tooling Co., Inc. Tire changing tool. 3,850,221, 11-26-74, Cl. 157-1.330.
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Zschieschank, Gunter: *See—*
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Zschimmer, Gero. Apparatus for converting a measuring voltage into values not proportional thereto. 3,818,207, 6-18-74, Cl. 235-197.000.
Zschimmer, Gero. Method and apparatus for measuring a voltage with the aid of an analogue-digital converter. 3,840,807, 10-8-74, Cl. 324-111.000.
Zsoldos, Frank J., Jr.; and Kowalski, Anna. Color control of water that is recirculated. 3,788,982, 1-29-74, Cl. 210-24.000.
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Zubak, Jan; Trebichavsky, Ctibor; and Augustin, Jan, to Vyskumny ustav mechanizacie a automatizacie. Electrochemical working of electrically conductive materials. 3,830,714, 8-20-74, Cl. 204-129.600.
Zubak, Jan, to Vyskumny ustav automatizacie a mechanizacie. Process for exact electrochemical working of workpieces of different shape. 3,849,272, 11-19-74, Cl. 204-129.250.
Zubar, Georgy Sergeevich: *See—*
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Zubris, Joseph R. Circuit for electrically-operated vehicle. 3,809,978, 5-7-74, Cl. 318-139.000.
Zucca, Mark L. Automatic releasing backing device for truck dolly. 3,801,137, 4-2-74, Cl. 280-476.000.
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Zucchini, Guido, to Artigiani Meccanici Associati Societa di Fatto. Dry cleaning machine. 3,800,566, 4-2-74, Cl. 68-12.00r.
Zucco, Matteo, to Fiat Societa per Azioni. Apparatus for dimensional testing of norminally cylindrical workpieces. 3,795,055, 3-5-74, Cl. 33-174.00q.
Zucconi, Homer R. Keg tapping assembly. 3,782,609, 1-1-74, Cl. 222-394.000.
Zucconi, Homer R. Keg tapping assembly. 3,790,039, 2-5-74, Cl. 222-394.000.
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Zucht, Peter. Set of building elements for ridge roof models. 3,838,527, 10-1-74, Cl. 35-16.000.
Zucker, Edwin, to Xerox Corporation. Electrophoretic imaging apparatus including application of dynamic stress on the particle suspension. 3,784,302, 1-8-74, Cl. 355-10.000.
Zucker, Edwin, to Xerox Corporation. Imaging process. 3,833,493, 9-3-74, Cl. 204-180.00r.
Zucker, Fredric E.; Eckert, Alton B.; Hinman, Bruce E.; and Feinland, Seymour, to Pitney-Bowes, Inc. Electronic combination lock and lock system. 3,800,284, 3-26-74, Cl. 340-149.00r.
Zucker, Friedrich Josef; and Bruchmann, Hans-Dieter, to Deutsche Supraton Bruchmann & Zucker KG. Process and apparatus for the production of a dispersion or solution from comminuted solid substances and a dispersion medium or solvent. 3,852,191, 12-3-74, C. 210-71.000.
Zucker, Joseph; and Matarese, John, to GTE Laboratories, Incorporated. Oscillators using surface acoustic wave delay line. 3,805,189, 4-16-74, Cl. 331-107.00a.
Zucker, Samuel. Breast prosthesis and brassiere for same. 3,795,921, 3-12-74, Cl. 3-36.000.
Zucker, Sandra; Faber, Ulbe; and Davis, Robert L., to Burroughs Corporation. Description driven microprogrammable multiprocessor system. 3,805,247, 4-16-74, Cl. 340-172.500.
Zuckerman, Mathew M.; and Molof, Alan H., to Envirotech Corporation. wastewater treatment. 3,794,581, 2-26-74, Cl. 210-9.000.
Zuckerman, Walter. Telephone call duration timer. 3,801,745, 4-2-74, Cl. 179-7.10r.
Zuckler, Karl, to Siemens Aktiengesellschaft. Puffer-type electric switch. 3,829,641, 8-13-74, Cl. 200-148.00a.
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Zuech, Ernest A.; and Crain, Donald L., to Phillips Petroleum Company. Cycloalkylaromatic production. 3,786,106, 1-15-74, Cl. 260-668.00r.
Zuech, Ernest A., to Phillips Petroleum Company. Production of cycloalkylaromatics. 3,829,514, 8-13-74, Cl. 260-668.00r.
Zuech, Ernest A.; and Johnson, Marvin M., to Phillips Petroleum Company. Production of cycloalkylaromatics. 3,829,516, 8-13-74, Cl. 260-668.00r.
Zuech, Ernest A., to Phillips Petroleum Company. Production of cycloalkylaromatics. 3,829,517, 8-13-74, Cl. 260-668.00r.
Zuech, Ernest A., to Phillips Petroleum Company. Alkylation of aromatic hydrocarbons using a compacted montmorillonite clay catalyst. 3,849,507, 11-19-74, Cl. 260-671.00c.
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Zuege, Charles F., to Allis-Chalmers Corporation. Isolated vehicle control module. 3,831,704, 8-27-74, Cl. 180-89.00r.
Zuercher, William T., to Copper Manufacturing Company. Lawn edger. 3,852,944, 12-10-74, Cl. 56-12.200.
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Barker, Layle B., to Reynolds Metals Company. Apparatus for making a thermally insulating joint construction and an adjustable guide assembly for use therewith. Re. 28,084, 7–30–74, Cl. 29—200.
Barr, Dennis A., and J. B. Rose, to Imperial Chemical Industries Ltd. Aromatic polymers from dihalogenobenzenoid compounds and alkali metal hydroxide. Re. 28,252, 11–26–74, Cl. 260—49.
Barringer, Anthony R., and J. P. Schock, to Barringer Research Ltd. Spectrometer. Re. 28,216, 10–29–74, Cl. 356—93.
Barringer Research Ltd.: *See*—
Barringer, Anthony R., and Schock. Re. 28,216.
Bartley, Donald R., to B. F. Goodrich Co. Method of making a pneumatic tire. Re. 28,180, 10–1–74, Cl. 156—117.
Bassett, Max; H. W. Olsen, deceased, by M. M. Olsen, executrix, to C. Nelson Shields, Jr. Methods of grouting offshore structures. Re. 28,232, 10–22–74, Cl. 61—46.
Batchelar, Raymond L.: *See*—
La Croce, Leonard T., Batchelar, and Rouse. Re. 27,897.
Bauer, Peter, to Bowles Fluidics Corp. Oscillator and shower head for use therewith. Re. 27,938, 3–12–74, Cl. 239—102.
Baumgartner, Robert G., to Bell Telephone Laboratories, Inc. Pedestal closures for buried telephone plant. Re. 27,898, 1–22–74, Cl. 174—38.
Beck, Frederic E., and E. L. Garelick, to Transmation, Inc. Instrumentation circuit with direct coupled amplifier having temperature stabilization. Re. 28,184, 10–1–74, Cl. 330—30.
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Belanger, James A., to Belanger, Inc. Finishing wheels. Re. 28,118, 8–20–74, Cl. 51—337.
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Benghiat, Ralph, to The Riley Co. Priority interrupt monitoring system. Re. 28,221, 11–5–74, Cl. 340—172.5.
Benjamin, Sidney H., and O. A. Krauer, to Otis Elevator Co. Speed dictation apparatus for elevator motor control system. Re. 28,282, 12–24–74, Cl. 187—29.
Benson, Robert W., and R. G. Reed, to Cutlers Machine Co., Inc. Apparatus for aligning a web of patterned sheet material. Re. 28,148, 9–3–74, Cl. 270—31.
Bentov, Itzhak E. Apparatus and method for preventing blood clotting. Re. 27,923, 2–19–74, Cl. 128—221.
Beresniewicz, Aleksander, and W. H. Todd, to E. I. du Pont de Nemours and Co. Method for reduced residual vinyl acetate monomer. Re. 28,065, 7–2–74, Cl. 260—87.3.
Bergh, Arpad A., C. R. Paola, and R. H. Saul, to Bell Telephone Laboratories, Inc. Semiconductor epitaxial growth from solution. Re. 28,140, 8–27–74, Cl. 148—172.
Bergmann, Elmer G., and V. D. Ritter, to No-Korrod, Inc. Sealed power transformer. Re. 27,975, 4–23–74, Cl. 336—92.
Berner, Erling, to Berner Industries, Inc. Apparatus and method for continuous production of slabs or sheets. Re. 27,964, 4–9–74, Cl. D264—51.
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Bills, Max E., and H. J. Hansen, Jr., to U.S. Steel Corp. Cold rolling work roll. Re. 28,027, 6–4–74, Cl. 29—121.
Bimmler, Robert L., and R. J. Kanous, to Eastman Kodak Co. Acidic solution of phenylenediamine color developer and sulfite. Re. 28,185, 10–1–74, Cl. 96—66.4.
Binder, Rolf, C. Grundler, and R. Wildbolz, to Rieter Machine Works, Ltd. Method and apparatus for producing an even continuous layer of fibers. Re. 27,967, 4–9–74, Cl. 222—55.
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Borse Plastic Products Corp.: *See*—
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Boxman, Peter, and F. J. van Roessel, to Philips Broadcast Equipment Corp. Chroma key circuits. Re. 28,021, 5–28–74, Cl. 178—5.40.
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Brown, Gaylord W., and B. A. Schnepp, to Koehring Co. Compact differential pressure forming machine. Re. 27,881, 1–15–74, Cl. 425—155.
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Burst, Francis J., to Hill-Rom Co., Inc. Power unit for friction drive hospital bed. Re. 27,966, 4–9–74, Cl. 5—67.
Busler, Willard L., F. K. Folk, and C. Phillips, to AMP Inc. and Guy F. Atkinson, Co. Method and apparatus for inserting contact members into insulating blocks. Re. 28,119, 8–20–74, Cl. 29—625.
Buzano, Michel, to Rhone-Poulenc-Textile. Process for producing a novel textured yarn. Re. 28,150, 9–3–74, Cl. 57—157.
Buzano, Michel, to Rhone-Poulenc-Textile. Fluid texturizing apparatus and method of use. Re. 28,254, 11–26–74, Cl. 57—77.3.
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Calkins, Forrest I. Pen holder attachment device. Re. 28,289, 12–31–74, Cl. 224—28.
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Cattermole, George R., A. M. Cummings, and W. M. Lyerly, to E. I. du Pont de Nemours and Co. Water-in-oil emulsion type blasting agent. Re. 28,060, 7–2–74, Cl. 149—2.
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Cole, Joseph E., to Scovill Mfg. Co. Popcorn popper having automatic buttering means. Re. 27,920, 2–12–74, Cl. 99—323.8.
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Davis, Ariel R. Cordless electric cross-connect panel with improved movable contact assembly. Re. 28,134, 8–27–74, Cl. 200—1.
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Davis, Steven J., and R. A. Liberman, to General DataComm Industries, Inc. Closed loop test method and apparatus for duplex data transmission modem. Re. 27,864, 1–1–74, Cl. 179—2.
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Farina, Donald E.: *See*—
Borror, Daniel R., and Farina. Re. 27,972.
Farr, Stewart M., to Microlife Technics, Inc. Milk fermenting product and method of making same. Re. 28,276, 12-17-74, Cl. 195—96.
Faust, John A., and M. Sahyun; said Faust assignor to said Sahyun, d.b.a. Sahyun Laboratories. Beta-alkoxy-trifluoromethylphenalkylamines. Re. 28,229, 11-5-74, Cl. 424—330.
Fellows, Thomas G.: *See*—
Bolton, Hugh R., Fellows, Laithwaite, Eastham, and Needham. Re. 28,161.
Ferrofluidics Corp.: *See*—
Rosensweig, Ronald E. Re. 27,955.
Fieldgate, Ivan O., to Potter Instrument Co., Inc. Continuous tape system. Re. 27,960, 4-2-74, Cl. 226—97.
Finishing Equipment Inc.: *See*—
Sabatka, Winston E., Bloomquist, and Reinke. Re. 28,174.
Firestone Tire & Rubber Co., The: *See*—
Bouton, Thomas C., and Futamura. Re. 28,047.
Fisco, Benjamin P., Jr., to AAA Pipe Cleaning Corp. Shroud for sewer cleaning truck. Re. 27,874, 1-8-74, Cl. 137—340.
Fluidtech Corp.: *See*—
Osheroff, Gene W. Re. 27,907.
Fogarty, Charles P. Space delivery system. Re. 27,903, 1-29-74, Cl. 244—1.
Folk, Kenneth F: *See*—
Busler, Willard L., Folk, and Phillips. Re. 28,119.
Forestek, Clarence W. Method for producing fissures in metallic surfaces of chromium. Re. 28,194, 10-8-74, Cl. 156—18.
Fork, Frank W., to H. H. Robertson Co. Hold-down means for underfloor access housing. Re. 28,035, 6-4-74, Cl. 174—49.
Fortier, Andre. Fluid device for stabilizing the position of a moving element. Re. 28,031, 6-4-74, Cl. 308—5.
Fortune, Ronald, E. G. Mills, and J. B. Woods, to Canada Valve Ltd. Indicator posts for use in conjunction with valves. Re. 28,069, 7-9-74, Cl. 116—125.
Foss, Richard C.: *See*—
Cowpland, Michael C., and Foss. Re. 28,283.
Frank, Robert L., and O. Mickelsen, to Morton-Norwick Products, Inc. Salt substitute. Re. 27,981, 4-23-74, Cl. 99—143.
Frederiksen, Christopher W.: *See*—
Heusdens, Wilhelmus, and Frederiksen. Re. 28,091.
Freeman, Kenneth G., and M. C. French, to U.S. Philips Corp. Circuit arrangement including a colour display cathode-ray tube of the index type. Re. 28,132, 8-27-74, Cl. D178—5.
French, Michael C.: *See*—
Freeman, Kenneth G., and French. Re. 28,132.
Friendship, Kenneth F. M., to Continental Can Co., Inc. Container filling apparatus. Re. 28,275, 12-17-74, Cl. 141—6.
Frisch, Erling, to Westinghouse Electric Corp. Fuel arrangement for a nuclear reactor. Re. 27,950, 3-26-74, Cl. 176—78.
Fueslein, John R., E. C. Roper, deceased, by Mueller Brass Co., assignee. Method of sealing tubing. Re. 28, 124, 8-20-74, Cl. 53—22.
Fuji Photo Film Co., Ltd.: *See*—
Sato, Akira, Sonoda, Shiba, Hinata, and Nozoe. Re. 28,208.
Fultz, Palmer: *See*—
Vogel, Arthur E., and Fultz. Re. 27,883.
Futamura, Shingo: *See*—
Bouton, Thomas C., and Futamura. Re. 28,047.
Gabor, Robert J.: *See*—
Venaleck, John T., and Gabor. Re. 28,064.
Gaffey, Troy M., and K. G. Wernicke, to Textron Inc. In-plane out-or-plane flapping prop-rotor frequency decoupling. Re. 27,941, 3-19-74, Cl. 416—102.
Gaffey, Troy M., and K. G. Wernicke, to Textron Inc. In-plane out-of-plane flapping prop-rotor frequency decoupling. Re. 28,045, 6-18-74, Cl. 416—102.
Gallagher, John P., R. M. Meyers, E. H. Song, and C. M. Willitis, to Thiokol Chemical Corp. Liquid polysulfide polymeric glass-to-metal sealant composition. Re. 27,880, 1-8-74, Cl. 260—33.80 R.
Gamewell, Joseph M.: *See*—
Stockford, William F., and Gamewell. Re. 28,246.
Gamewell Mechanical, Inc.: *See*—
Stockford, William F., and Gamewell. Re. 28,246.
Gardner, Irwin J., C. Cozewith, to Exxon Research and Engineering Co. Continuous process for the production of ethylene copolymers. Re. 28,206, 10-22-74, Cl. 260—80.78.
Garelick, Eli L.: *See*—
Beck, Frederic E., and Garelick. Re. 28,184.
Gates Rubber Co., The: *See*—
Lear, William P. Re. 27,885.
Gauvreau, Claude, to Holliston Labs., Inc. Disinfecting compositions. Re. 28,263, 12-3-74, Cl. 424—263.
General DataComm Industries, Inc.: *See*—
Davis, Steven J., and Liberman. Re. 27,864.
General Electric Co.: *See*—
Collins, Neil E., and Halt. Re. 27,879.
Gluntz, Douglas M. Re. 28,090.
Porter, Dennis A. Re. 27,868.
Vermilyen, David A., Ochar, and Vedder. Re. 28,015.
Wilson, William P. Re. 28,005.
General Instrument Corp.: *See*—
Borror, Daniel R., and Farina. Re. 27,972.
Miner, Carroll R. Re. 28,261.
General Science Corp.: *See*—
Estelle, Weems E., Rangel, and Petrucci. Re. 27,902.
Gerike, Peter, to E. I. du Pont de Nemours and Co. Pyrrolinecarboxanilide compounds. Re. 27,894, 1-22-74, Cl. 260—343.6.
Gilbert, Franklin A. Apple tree. 3,420, 1-1-74, Cl. 34.
Gilman, Paul B., R. A. Litzerman, B. D. Illingsworth, deceased, by M. D. Clark, executrix, to Eastman Kodak Co. Direct positive silver halide emulsions containing halogenated derivatives of cyanine dyes. Re. 28,258, 12-3-74, Cl. 96—101.
Girling Ltd.: *See*—
England, Michael J., Donnell, and Hales. Re. 28,177.
Glass Container Manufacturers Institute, Inc.: *See*—
Augustsson, Bengt O., and Southwick. Re. 28,076.
Glastrusions, Inc.: *See*—
Goldsworthy, William B. Re. 28,233.
Global Marine Inc.: *See*—
Knorr, Gordon D. Re. 28,101.
Globe Tool and Engineering Co., The: *See*—
Miller, Jerry E. Re. 27,893.
Glory Kogyo Kabushiki Kaisha.: *See*—
Hatanaka, Yoshihiro, Itoda, and Ono. Re. 27,987.
Gluntz, Douglas M. General Electric Co. Diffuser. Re. 28,090, 7-30-74, Cl. 417—196.
Gobell, David H., to Medronic, Inc. Electronic demand heart pacemaker with different pacing and standby rates. Re. 28,003, 5-7-74, Cl. 128—419.
Goetz, Richard W., and I. L. Mador, to National Distillers and Chemical Corp. Catalyzed hydrolysis of nitriles to amides. Re. 28,288, 12-31-74, Cl. 260—561.
Goldsworthy, William B., to Glastrusions, Inc. Augmented curing of reinforced plastic stock. Re. 28,233, 11-5-74, Cl. 156—380.
Goodrich, B. F., Co.: *See*—
Bartley, Donald R. Re. 28,180.
Gore, Graves T., to Riegel Textile Corp. Apparatus for successively forming disposable diapers. Re. 28,139, 8-27-74, Cl. 156—467.
Goron, John, by Midland-Ross Corp. Injection molding nozzle with flow-control mechanism. Re. 28,144, 9-3-74, Cl. 425—191.
Grace, Richard C., to Environment/One Corp. Pump storage grinder. Re. 28,104, 8-6-74, Cl. 241—36.
Grace, W. R., & Co.: *See*—
Sergeys, Frank J. Re. 28,195.
Graff, David F.: *See*—
Anderson, Harold C., and Graff. Re. 28,114.
Graham, Donald P., to Hercules, Inc. Booster cap assembly. Re. 28,228, 11-5-74, Cl. 102—24.
Gray, Allan Poe, to Mallinckrodt Chemical Works. N-alkylsulfinylalkyl- and sulfonylalkyl-1,2,3,4-tetrahydroisoquinolines. Re. 28,034, 6-4-74, Cl. 260—283.
Greiner, Joachim, W. Eichler, F. Krones, by AGFA Aktiengesellschaft. Curie point magnetic recording process. Re. 28,290, 12-31-74, Cl. 360—16.
Grosjean, Pierre, to Societe Rhodiaceta. Polyamides containing antistatic polyolefins having pendant polyoxyalkylene chains. Re. 28,212, 10-29-74, Cl. 260—857.
Groswith, Charles T., III: *See*—
Abildgaard, William H., and Groswith III. Re. 28,202.
Grundler, Christof: *See*—
Binder, Rolf, Grundler, and Wildbolz. Re. 27,967.
Grunwald, John J.: *See*—
Rhodenizer, Harold L., Grunwald, and Innes. Re. 28,042.
Grustin, Gerald M., and J. E. Logan. Bathroom scale with optically projected dial indicator. Re. 28,040, 6-11-74, Cl. 177—178.
Guardian Electric Mfg. Co.: *See*—
Britton, Leon R., Vojir, and Wright. Re. 28,205.
Gulistan, Bulent, to Deutsch Fastener Corp. Method for attaching a sleeve to a workpiece. Re. 27,978, 4-23-74, Cl. 29—400.

Gulley, John M., deceased by M. F. Harris, to Polygon Industries Ltd. Self-guiding tooling systems. Re. 28,121, 8-20-74, Cl. 173—32.
Hageman, Carlton V., and V. F. Rana, to Harris-Intertype Corp. Apparatus and method for separating signatures in a gatherer. Re. 28,048, 6-18-74, Cl. 271—101.
Halasa, Adel F.: *See*—
Sommers, Gary L., and Halasa. Re. 27,878.
Hales, Eric C.: *See*—
England, Michael J., Donnell, and Hales. Re. 28,177.
Halt, Ira E.: *See*—
Collins, Neil E., and Halt. Re. 27,879.
Hamrin, Karl R.: *See*—
Borup, Alf L., and Hamrin. Re. 28,291.
Hanes, James W. E., and E. Larralde, to Vetco Offshore Industries, Inc. Motion compensating apparatus. Re. 28,218, 10-29-74, Cl. 175—5.
Hannon, Joseph E. Calculator for making patterns. Re. 28,033, 6-4-74, Cl. 235—70.
Hansen, Hans: *See*—
Rausch, Werner, Hansen, and Mueller. Re. 27,896.
Hansen, Henry J., Jr.: *See*—
Bilis, Max E., and Hansen. Re. 28,027.
Hansford, Rowland C.: *See*—
Helfrey, Paul F., Kay, Peralta, Reeg, and Hansford. Re. 27,857.
Harbaugh, Samuel S., J. J. Kasecky, and J. B. Murtland, Jr., to Allegheny Ludlum Steel Corp. Rolling mill control system. Re. 28,149, 9-3-74, Cl. 72—8.
Hardesty, Donald E., and T. A. Rodgers, to Shell Oil Co. Molten salt hydroconversion process. Re. 28,128, 8-20-74, Cl. 208—108.
Harland, Philip W., and R. D. Waite, to Amtek, Inc. Plastic gauge movement. Re. 28,181, 10-1-74, Cl. 73—415.
Harley, Earl K.: *See*—
Rivard, Francis L., and Harley. Re. 27,990.
Harris-Intertype Corp.: *See*—
Hageman, Carlton V., and Rana. Re. 28,048.
Kolb, Edwin R., and Morrison. Re. 27,974.
Sarka, Albert J. Re. 28,143.
Harris, Michael F.: *See*—
Gulley, John M., and Harris. Re. 28,121.
Hashizume, George K.: *See*—
Odenthal, Conrad J., and Hashizume. Re. 28,223.
Hatanaka, Yoshihiro, M. Itoda, and C. Ono, to Glory Kogyo Kabushiki Kaisha. Wrapping paper supply device for coin packing machine. Re. 27,987, 4-23-74, Cl. 53—389.
Heinze, Dieter: *See*—
Marx, Matthias, Zosel, Spoor, Pohlmann, and Heinze. Re. 28,173.
Helfrey, Paul F., N. L. Kay, B. Peralta, and C. P. Reeg, to Union Oil Co. of California. Hydrocracking process. Re. 27,856, 1-1-74, Cl. 208—59.
Helfrey, Paul F., N. L. Kay, B. Peralta, C. P. Reeg, and R. C. Hansford, to Union Oil Co. of California. Hydrocracking process. Re. 27,857, 1-1-74, Cl. 208—111.
Helsley, Grover C.: *See*—
Lunsford, Carl D., Helsley, and Richman. Re. 28,141.
Hendricks, Willis R., and R. L. Danforth, to Shell Oil Co. Footwear assembly. Re. 28,236, 11-12-74, Cl. 36—2.5.
Henschen, Curtiss W. Bearing assembly for elastic joints. Re. 28,259, 12-3-74, Cl. 267—57.1.
Hensel, Werner R. E., to Daimler-Benz Aktiengesellschaft. Friction clutch construction. Re. 27,937, 3-5-74, Cl. 192—87.110.
Herbst, Robert, to Textron, Inc. Screwdown system for rolling mill. Re 28,248, 11-19-74, Cl. 72—8.
Hercules, Inc.: *See*—
Graham, Donald P. Re. 28,228.
Hergert, Richard E.: *See*—
Hill, Lester M., Parker, and Hergert. Re. 28,269.
Hermetic Coil Co., Inc.: *See*—
Davis, Dhu Aine J. Re. 27,891.
Heseltine, Donald W.: *See*—
Jenkins, Philip W., Heseltine, and Mee. Re. 27,925.
Heseltine, Donald W., P. W. Jenkins, and J. D. Mee, to Eastman Kodak Co. Crosslinkable polymer composition. Re. 27,922, 2-19-74, Cl. 96—35.100.
Heseltine, Donald W., P. W. Jenkins, and J. D. Mee, to Eastman Kodak Co. Photobleachable dye composition. Re. 28,225, 11-5-74, Cl. 96—27.
Heusdens, Wilhelmus, Frederiksen, C. W. to Ralston Purina Co. Protein fiber forming. Re. 28,091, 7-30-74, Cl. 426—148.
Higbee, David A., and J. C. Jasper, to Armco Steel Corp. Method of fabricating a metallic clad product. Re. 28,188, 10-8-74, Cl. 29—527.7.
Hill, Donald E. S. D. Payne, and R. G. Walker, to Industria Products Inc. Apparatus for winding and placing coils in the slots of a stator. Re. 28,087, 7-30-74, Cl. 29—205.
Hill, Lester M., J. D. Parker, deceased, by D. C. Parker, and R. E. Hergert, to Beloit Corp. Papermaking machine headbox having trailing elements in the slice chamber extending in the stock flow direction. Re. 28,269, 12-10-74, Cl. 162—343.
Hill-Rom Co., Inc.: *See*—
Burst, Francis J. Re. 27,966.
Hineline, Robert E., to AMF Inc. Method of building a tire casing from a strip of rubber. Re. 28,043, 6-11-74, Cl. 156—117.
Hingston, William F., to RCA Corp. Frequency shift oscillator which avoids the generation of transient. Re. 27,924, 2-19-74, Cl. 331—179.
Hitachi, Ltd.: *See*—
Kumada, Akio. Re. 28,179.
Hodsman, James B., to Canadian Johns-Manville Corp., Ltd. Material securing and transporting apparatus. Re. 28,053, 6-25-74, Cl. 38—102.
Hoffman, Eldon P., to Tektronix, Inc. Electrical terminal housing having hinge and adjacent lock projection. Re. 28,147, 9-3-74, Cl. 339—59.
Hoffmann-La Roche Inc.: *See*—
Osbond, John M., and Wickens. Re. 28,110.
Rosenberger, Michael, and Saucy. Re. 28,099.
Holbus, Edward. Protective coating for metal surfaces. Re. 27,890, 1-15-74, Cl. 106—10.
Holliday, William H., and L. B. Barker. Reynolds Metals Co. Apparatus for making a thermally insulating joint construction. Re. 28,086, 7-30-74, Cl. 29—200.
Holliston Labs., Inc.: *See*—
Gauvreau, Claude. Re. 28,263.
Holman, Rudolph G., to AMF, Inc. Method of winding a ball. Re. 28,133, 8-27-74, Cl. 242—3.
Holzapfel, Christian, KG.: *See*—
Buzzi, Angelo. Re. 28,038.
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Honebrink, Roger W.: *See*—
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Honeywell Inc.: *See*—
Chen, Di, Honebrink, Otto, and Sartell. Re. 28,270.
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Horstkorta, Donald A.: *See*—
Stosberg, Arturo E., and Horstkorta. Re. 28,231.
Horton, George F. Bracket for mounting boat accessory. Re. 28,176, 10-1-74, Cl. 248—4.
House, Randolph D., to United Aircraft Corp. Vacuum vapor deposition with control of elevation of metal melt. Re. 27,930, 2-26-74, Cl. 117—107.
Howard, Wayne B., and R. L. Sisson, to Clark Equipment Co. Automatic control system for hydrostatic drive. Re. 28,113, 8-13-74, Cl. 60—447.
Huber, Robert, to Societe des Procedes Modernes d'Injection Sopromi. Fuel injection system for internal combustion engines. Re. 27,909, 2-5-74, Cl. 123—32.
Hudall Corp.: *See*—
Hudson, Rose M. Re. 28,130.
Huddle, Carl F., to Tension Structures Co. Damping means for portable structures. Re. 28,012, 5-21-74, Cl. 135—1.
Hudson, Frederick W., and W. C. Emerson, to Xerox Corp. Dispensing apparatus. Re. 27,876, 1-8-74, Cl. 222—181.
Hudson, Rose M., to Hudall Corp. Self-contained internal hydrotherapy apparatus. Re. 28,130, 8-20-74, Cl. 128—227.
Hughes, George L., to Aktiebolaget Electrolux. End closure for disposable dust bag. Re. 28,201, 10-15-74, Cl. 55—367.
Hull, Charles A. Solid smooth-surface article washing device. Re. 28,135, 8-27-74, Cl. 134—58.
Hull Corp.: *See*—
Costello, Leonard C. Re. 28,085.
Hutcheson, James L., to Reynolds Metals Co. Easy open pouch construction. Re. 27,913, 2-5-74, Cl. 229—66.
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Hyman, Joseph. Re. 28,067.
Hyman, Joseph, to Hycor, Inc. Collapsible rod. Re. 28,067, 7-9-74, Cl. 135—15.
Illingsworth, Bernard D.: *See*—
Gilman, Paul B., Litzerman, Illingsworth and Clark. Re. 28,258.
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Imperial Chemical Industries Ltd.: *See*—
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Rhodenizer, Harold L., Grunwald, and Innes. Re. 28,042.
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Merrin, Seymour, Silver, and Suden. Re. 27,934.
International Harvester Co.: *See*—
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International Telephone and Telegraph Corp.: *See*—
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Jablonski, Werner L., by The Dow Chemical Co. Foamable thermoplastic polymer granules and method for making. Re. 27,927, 2-19-74, Cl. 260—2.50 B.
Jackson & Perkins Co.: *See*—
Kordes, Reimer. 3,414.
Tantau, Mathias. 3,415.

Jasper, Joseph C.: *See*—
Higbee, David A., and Jasper. Re. 28,188.

Jefferson, Robert T., and I. O. Salyer, to United States of America, Atomic Energy Commission. Open-pore polyurethane product. Re. 27,917, 2–12–74, Cl. 260—2.5.

Jenkins, Philip W.: *See*—
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Heseltine, Donald W., Jenkins, and Mee. Re. 28,225.

Jenkins, Philip W., D. W. Heseltine, and J. D. Mee, to Eastman Kodak Co. Photopolymerization using N-alkoxy heterocyclic initiators. Re. 27,925, 2–19–74, Cl. 96—35.100.

Jenkins, Philip W., to Eastman Kodak Co. Photosensitive elements containing photooxidants containing heterocyclic nitrogen atom substituted by an alkoxy or an acyloxy group. Re. 28,240, 11–12–74, Cl. 96—90.

Jensen, Wolfgang N., to Plantronics, Inc. Cable strain relief device. Re. 27,986, 4–23–74, Cl. 24—73.

Jeromin, Lothar S.: *See*—
Cade, Ronald L., and Jeromin. Re. 28,193.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,416, 1–1–74, Cl. 74.

Jessel, Walter H., Jr.: *See*—
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Johansson, Oskar R., to Cincinnati Milacron, Inc. Injection molding machine. Re. 27,979, 4–23–74, Cl. 259—191.

Johnson Diversified, Inc.: *See*—
Johnson, Lloyd E. Re. 28,286.

Johnson, Gary D.: *See*—
Bagard, Philip A., and Johnson. Re. 27,968.

Johnson, Lloyd E., deceased, by Johnson Diversified, Inc., to Johnson Diversified, Inc. Line control for spin casting reels. Re. 28,286, 12–31–74, Cl. 242—84.2.

Johnson, Louis W. Rock crusher. Re. 27,970, 4–16–74, Cl. 241—207.

Johnson, Martin R., to Prenihan A.G. Knit garment and method of manufacture. Re. 27,886, 1–15–74, Cl. 66—177.

Johnson Welding & Equipment Co., Inc.: *See*—
Quinn, John N., and Johnson. Re. 28,125.

Jommi, Giancarlo, G. Riva, F. Mauri, and L. Mauri, to Ravizza SA. Process for the resolution of racemic 3-succinyloxy-5-phenyl - 1,3-dihydro-2H-1,4-benzodiazepine-2-one-derivatives into optical antipedes. Re. 28,287, 12–31–74, Cl. 424—244.

Jones, Edwin K., to Universal Oil Products Co. Heat exchange apparatus. Re. 28,178, 10–1–74, Cl. 23—260.

Julow, Thomas M.: *See*—
Kytta, Oswald O., and Julow. Re. 28,191.

Kabushiki Kaisha Rioch: *See*—
Koizumi, Yutaka. Re. 28,016.

Kabushiki-Kaisha Tokai Rika Denki Seisakusho: *See*—
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Kagan, Sholly, to Bell & Howell Co. Paging receiver having cycling mass. Re. 28,213, 10–29–74, Cl. 340—311.

Kakalec, Robert J., to Bell Telephone Laboratories, Inc. Closed loop ferroresonant voltage regulator which simulates core saturation. Re. 27,916, 2–12–74, Cl. 323—61.

Kanous, Roy J.: *See*—
Bimmler, Robert L., and Kanous. Re. 28,185.

Karlen, Harvey R.: *See*—
Alexander, Edwin J., Jr., and Karlen. Re. 27,959.

Karlson, Karl: *See*—
Demarest, Philip C., and Karlson. Re. 27,949.

Kasecky, Joseph J.: *See*—
Harbaugh, Samuel S., Kasecky, and Murtland. Re. 28,149.

Kavanaugh, Richard J., to North American Philips Corp. Double claw tooth stator synchronous and stepping motor with indicator. Re. 28,075, 7–16–74, Cl. 310—49.

Kawai, Yoshihiro: *See*—
Suzuki, Masaru, and Kawai. Re. 27,971.

Kay, Nicholas L.: *See*—
Helfrey, Paul F., Kay, Peralta, and Reeg. Re. 27,856.
Helfrey, Paul F., Kay, Peralta, Reeg, and Hansford. Re. 27,857.

Kazaoka, Kenichi, to Aisin Seiki Co. Ltd. Automotive door lock. Re. 28,142, 9–3–74, Cl. 180—113.

Keck, Donald B., P. C. Schultz, and F. Zimar, to Corning Glass Works. Method of forming optical waveguide fibers. Re. 28,029, 6–4–74, Cl. 65—3.

Keller, Herbert W.: *See*—
Andrews, Harry N., and Keller. Re. 28,079.

Kelly Systems, Inc.: *See*—
Kelly, William F. Re. 27,954.

Kelly, William F., to Kelly Systems, Inc. Anchor for post-tensioning prestressed concrete. Re. 27,954, 4–2–74, Cl. 24—126.

Kelsey Hayes Co.: *See*—
Stelzer, William. Re. 28,253.

Keystone Consolidated Industries, Inc.: *See*—
Aleks, Vytant P. Re. 28,280.

Kibler, Charles J.: *See*—
Weissberger, Arnold, and Kibler. Re. 28,055.

Kimmel, Merle J., to LaSalle-Dietch Co., Inc. Hot water heater. Re. 28,175, 9–24–74, Cl. 122—136.

King, John C., to Concrete Formwork Engineers Pty., Ltd. Scissors-type linkage. Re. 27,914, 2–5–74, Cl. 182—16.

Kiuchi, Yuji, K. Shimizu, and O. Yoshida, to Tokyo Shibaura Electric Co., Ltd. Photoconductive target with N-type layer of cadmium selenide including cadmium chloride and cuprous chloride. Re. 28,156, 9–10–74, Cl. 313—94.

Knetemann, Alexander, deceased, by M. Knetemann, nee Groeneveld, heir; H. L. M. Lelieveld, R. van Rhee, and G. T. Muys, to Lever Brothers Co. Process for the sterilization of solid surfaces. Re. 28,024, 5–28–74. Cl. 21—57.

Knetemann, Marie: *See*—
Knetemann, Alexander, Lelieveld, Van Rhee, and Muys. Re. 28,024.

Knicely, Walter W.: *See*—
Skou, William J., Knicely, and Duffett. 3,417.

Knierlem, Herman, Jr., to The Dow Chemical Corp. Method for dry cleaning. Re. 28,014, 5–21–74, Cl. 8—142.

Knight, John W., to Sani-Systems, Inc. Refuse collecting and dispensing vehicle. Re. 27,997, 4–30–74, Cl. 214—508.

Knorr, Gordon D. to Global Marine Inc. Air cushion vehicle. Re. 28,101, 8–6–74, Cl. 175—5.

Koehring Co.: *See*—
Brown, Gaylord W., and Schnepp. Re. 27,881.

Kohl, Gerald C., to Medics Research and Development Inc. Cervical biopsy sampling instrument. Re. 27,915, 2–5–74, Cl. 128—2.

Kohlmuller, Hans: *See*—
Von Strum, Ferdinand, and Kohlmuller. Re. 27,929.

Koizumi, Yutaka, to Kabushiki Kaisha Rioch. Optical scanner and slit exposure device for reproduction apparatus. Re. 28,016, 5–21–74, Cl. 355—65.

Kolb, Edwin R., and N. Morrison, to Harris-Intertype Corp. Composing method and apparatus. Re. 27,974, 4–16–74, Cl. 95—4.50.

Kordes, Reimer, to Jackson & Perkins Co. Rose plant. 3,414, 1–1–74, Cl. 15.

Korpiun, Joachim, and J. Steeg, to Dr. Ing. Max Schloetter Fabrikfuer Galvanotechnik. Electroplating bath for depositing bright zinc plates. Re. 27,999, 4–30–74, Cl. 204—55.

Koster, Robert A., to The Bunker-Ramo Corp. Control/display apparatus. Re. 28,238, 11–12–74, Cl. 340—172.5.

Koury, Frederic: *See*—
Gungle, Warren C., Koury, and Waymouth. Re. 27,953.

Krauer, Otto A.: *See*—
Benjamin, Sidney H., and Krauer. Re. 28,282.

Kraus, Charles E. Motion transmission device. Re. 27,861, 1–1–74, Cl. 74—227.

Krones, Friedrich: *See*—
Greiner, Joachim, Eichler, and Krones. Re. 28,290.

Kruger, Hans: *See*—
Loffler, Erich W., and Kruger. Re. 28,041.

Kubiak, Ernest J.: *See*—
Smith, Edwin W., and Kubiak. Re. 28,058.

Kubsh, Leroy, to Litton Industries, Inc. Abrasive disc. Re. 27,962, 4–2–74, Cl. 51—356.

Kumada, Akio, to Hitachi, Ltd. Ferroelectric storage device using gadolinium molybdate. Re. 28,179, 10–1–74, Cl. 340—173.2.

Kuraray Co., Ltd.: *See*—
Ohfuji, Yoshio, and Eguchi. Re. 28,197.

Kytta, Oswald O., and T. M. Julow, to The Bendix Corp. Superatmospheric fluid pressure servomotor. Re. 28,191, 10–8–74, Cl. 91—376.

La Croce, Leonard T., R. L. Batchelar, and J. W. Rouse, to American Can Co. Full open end. Re. 27,897, 1–22–74, Cl. 220—54.

La Force, Jean, and C. Stringer. Method of solid phase welding for pipes. Re. 28,190, 10–8–74, Cl. 219—67.

Laithwaite, Eric: *See*—
Bolton, Hugh R., Fellows, Laithwaite, Eastham, and Needham. Re. 28,161.

Lamont, George L., to Contract Cleaning Co. Pty. Ltd. Combined floor-polisher and suction cleaner. Re. 28,022, 5–28–74, Cl. 15—385.

Lampshire, Harvey R.: *See*—
Pollacco, William F. Re. 27,952.

Landis Tool Co.: *See*—
Price, Ralph E. Re. 28,082.

Langer, Arthur W., Jr., and E. Tornqvist, to Esso Research and Engineering Co. Polymer catalysts. Re. 27,940, 3–12–74, Cl. 260—93.7.

LaPointe, Gabriel M., to Parker Mfg. Co. Easy release device for a socket wrench. Re. 28,037, 6–11–74, Cl. 81—61.

Larralde, Edward: *See*—
Hanes, James W. E., and Larralde. Re. 28,218.

Larson, Leighton W. Bi-valved cast. Re. 27,957, 4–2–74, Cl. 128—89.

LaSalle-Dietch Co., Inc.: *See*—
Kimmel, Merle J. Re. 28,175.

Laughlin, Eugene W., by Trextron, Inc. Centrifugal clutch. Re. 27,858, 1–1–74, Cl. 74—230.17.

Laverty, Richard C., to MSL Industries, Inc. Fastener with improved thread construction. Re. 28,111, 8–13–74, Cl. 85—46.

Lear, William P., to The Gates Rubber Co. Magnetic tape. Re. 27,885, 1–15–74, Cl. 242—55.19 A.

Lee, Richard D., to Le Mark Industries, Inc. Food patty press. Re. 28,106, 8–6–74, Cl. 17—32.

Lee-Norse Co.: *See*—
Elders, Gerald W. Re. 28,227.

Lehman, Charles L., to Lehman Equipment Co. Cultivator. Re. 28,271, 12–10–74, Cl. 172—587.

Lehman Equipment Co.: *See*—
Lehman, Charles L. Re. 28,271.

Lehmann, Aribert J. Device for tying the ends of bags. Re. 28,170, 9–24–74, Cl. 53—198.

Lelieveld, Hubertus: *See*—
Kne-temann, Alexander, Lelieveld, Van Rhee, and Muys. Re. 28,024.

Le Mark Industries, Inc.: *See*—
Lee, Richard D. Re. 28,106.

Lemelson, Jerome H. Automatic manufacturing apparatus. Re. 27,992, 4–30–74, Cl. 156—384.

Lemelson, Jerome H. Article decoration apparatus and method. Re. 28,068, 7–9–74, Cl. 264—24.

Lescarden Ltd.: *See*—
Ballassa, Leslie L. Re. 28,993.

Lesjofors AB: *See*—
Borup, Alf L., and Hamrin. Re. 28,291.

Leutwyler, Kurt, to Baker Oil Tools, Inc. Ball valve with resilient seal. Re. 28,131, 8–20–74, Cl. 137—629.

Lever Brothers Co.: *See*—
Knetemann, Alexander, Lelieveld, Van Rhee, and Muys. Re. 28,024.

Li, Norman N., to Esso Research and Engineering Co. Separating hydrocarbons with liquid membranes. Re. 27,888, 1–15–74, Cl. 208—308.

Li, Norman N., to Esso Research and Engineering Co. Desalination process. Re. 28,002, 4–30–74, Cl. 210—22.

Liberman, Richard A.: *See*—
Davis, Steven J., and Liberman. Re. 27,864.

Liljendahl, Sven A. J., to Aktiebolaget Electrolux. Valve structure for controlling discharge of waste liquid into pneumatic sewage disposal system. Re. 28,003, 5–14–74, Cl. 4—10.

Liljendahl, Sven A. J., to Aktiebolaget Electrolux. Method of conducting waste liquid by vacuum through long conduits of pneumatic sewage disposal systems. Re. 28,189, 10–8–74, Cl. 4—10.

Lingl, John. Apparatus for producing bricks. Re. 28,160, 9–17–74, Cl. 425—316.

Lippert, Henry E. Game of chance. Re. 28,108, 8–6–74, Cl. 273—130.

Litton Industries, Inc.: *See*—
Kubsh, Leroy. Re. 27,962.

Litton Industrial Products, Inc.: *See*—
Orlomoski, Roger W., and Reed Rolled Thread Die Co. Re. 28,049.

Litton Systems, Inc.: *See*—
Anderson, Harold C., and Graff. Re. 28,114.

Litz, Jack. Nail placing implement. Re. 28,159, 9–17–74, Cl. 145—46.

Litzerman, Roberta A.: *See*—
Gilman, Paul B., Litzerman, Illingsworth and Clark. Re. 28,258.

Loffler, Erich W., and H. Kruger, to Electro-Motion Pacific, Inc. Multiple stage extensible boom. Re. 28,041, 6–11–74, Cl. 240—3.

Logan, James E.: *See*—
Grustin, Gerald M., and Logan. Re. 28,040.

Lomakka, Gosta M.: *See*—
Caspersson, Torbjorn, and Lomakka. Re. 28,062.

Long, William H., to Minnesota Mining and Manufacturing Co. Traffic signal remote control system. Re. 28,100, 8–6–74, Cl. 340—34.

Longenecker, Ernst A. Hitch lock. Re. 28,187, 10–1–74, Cl. 280—507.

Lonza Ltd.: *See*—
Boosen, Karl-Josef. Re. 28,242.

Lovekin, Barry W., to Wilkinson Sword Ltd. Electrolytic cell for sharpening the edge of a razor blade. Re. 27,961, 4–2–74, Cl. 204—206.

Lumus Co., The: *See*—
O'Connor, Ward F. Re. 27,871.

Lundstrom, Hans T., by Allmanna Svenska Elektriska Aktiebolaget, a Corp., of Sweden, assignee. Vertical tube furnace. Re. 28,018, 5–21–74, Cl. 13—20.

Lunsford, Carl D., G. C. Helsley, and J. A. Richman, Jr., to A. H. Robins, Co., Inc. Composition containing 3-di-substituted methylene pyrrolidines and methods of treating depression. Re. 28,141, 8–27–74. Cl. 424—274.

Lyerly, William M.: *See*—
Cattermole, George R., Cummings, and Lyerly. Re. 28,060.

MSL Industries, Inc.: *See*—
Laverty, Richard C. Re. 28,111.

MacDermid Inc.: *See*—
Rhodenizer, Harold L., Grunwald, and Innes. Re. 28,042.

MacDonnell, Robert W., to Unity Railway Supply Co., Inc. Self-lubricating side bearing. Re. 28,284, 12–31–74, Cl. 308—138.

Machein, Kurt R.: *See*—
Stosberg, Arturo E., and Horstkorta. Re. 28,231.

Mador, Irving L.: *See*—
Goetz, Richard W., and Mador. Re. 28,288.

Maison, Jean M.: *See*—
Bertrand, Guy, and Maison. Re. 28,234.

Makino, Kazunosuke: *See*—
Sato, Yo, Nagashima, Murata, Makino, Matsushima, and Izumihara. Re. 27,889.

Malech, Robert G., to New England Merchants National Bank. Antenna with electrically variable reflector. Re. 28,217, 10–29–74, Cl. 343—754.

Mallinckrodt Chemical Works: *See*—
Gray, Allan P. Re. 28,034.

Manufacturers Systems, Inc.: *See*—
Anderson, Leroy E., and Munn. Re. 28,088.

Marcyan, Walter. Single-station multipurpose body exercising machine. Re. 28,066, 7–9–74. Cl. 272—81.

Marks, Alvin M. Forced closure dipolar electrooptic shutter and method. Re. 28,211, 10–22–74, Cl. 350—267.

Marlboro Wire Goods Co., Inc.: *See*—
Daley, Peter J. Re. 28,001.

Marx, Matthias, A. Zosel, H. Spoor, H. Pohlmann, and D. Heinze, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Radiation treatment of halogen containing olefinically unsaturated esters. Re. 28,173, 9–24–74, Cl. 204—159.22.

Mason, Herbert S. Apple tree. 3,418, 1–1–74, Cl. 34.

Matsushima, Eiichi: *See*—
Sato, Yo, Nagashima, Murata, Makino, Matsushima, and Izumihara. Re. 27,889.

Matsushita Electric Industrial Co., Ltd.: *See*—
Oka, Shunzo. Re. 28,026.
Shinagawa, Matsuaki, and Nezu. Re. 28,083.
Yano, Tadashi, and Oka. Re. 27,863.

Maurer, Robert D., to Corning Glass Works. Method of forming an economic optical waveguide fiber. Re. 28,028, 6–4–74, Cl. 65—3.

Mauri, Francesco: *See*—
Jommi, Giancarlo, Riva, Mauri, and Mauri. Re. 28,287.

Mauri, Luigi: *See*—
Jommi, Giancarlo, Riva, Mauri, and Mauri. Re. 28,287.

Mayhew, Delbert J., to Minnesota Mining and Manufacturing Co. Filtration mask. Re. 28,102, 8–6–74, Cl. 128—146.2.

Mayhew, Thomas R., to RCA Corp. LSI array and standard cells. Re. 27,935, 3–5–74, Cl. 340—173.

Maynard, Douglas E. Electroencephalograph monitoring apparatus. Re. 28,214, 10–29–74, Cl. 128—210.

Mazzanti, Giorgio: *See*—
Natta, Giulio, Mazzanti, and Boschi. Re. 28,050.

McCormick, James B., to Miles Laboratories, Inc. Biological specimen processing and embedding apparatus. Re. 28,165, 9–17–74, Cl. 425—117.

McDermott, Hugh L., to Eaton Corp. Torque transmitting device. Re. 28,051, 6–18–74, Cl. 418—61.

McDonnell Douglas Corp.: *See*—
Waters, Elmer D. Re. 28,152.

McGary, Charles W., Jr., and P. L. Smith, to Union Carbide Corp. Esters of phosphorus-containing acid, [halogenated] epoxide and dicarboxylic acid and process for producing same. Re. 27,887, 1–15–74, Cl. 260—952.

McKenna, Richard P.: *See*—
Ayres, Robert U., and McKenna. Re. 27,944.

McLarty, Gordon. Safety switch and circuit for oil-burning furnace. Re. 28,013, 5–21–74, Cl. 431—22.

Mead Corp., The: *See*—
Taylor, Richard P., Van Brimer, and Culp. Re. 28,219.

Meckler, Gershon, to National Service Industries, Inc., Comfort conditioning system. Re. 28,136, 8–27–74, Cl. 165—39.

Meckler, Gershon, to Westinghouse Electric Corp. Comfort conditioning system. Re. 28,166, 9–17–74, Cl. 165—27.

Medics Research and Development Inc.: *See*—
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Medronic, Inc.: *See*—
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Mee, John D.: *See*—
Heseltine, Donald W., Jenkins, and Mee. Re. 27,922.
Heseltine, Donald W., Jenkins, and Mee. Re. 28,225.
Jenkins, Philip W., Heseltine, and Mee. Re. 27,925.

Meltzer, Morris, and D. D. Meyer. Automatic meat cutting machine. Re. 28,077, 7–16–74, Cl. 83—101.

Merrill, Grant. Peach tree. 3,413, 1–1–74, Cl. 43.

Merrin, Seymour, M. D. Silver, and E. M. Suden, to International Business Machines Corp. Circuit structure. Re. 27,934, 3–5–74, Cl. 317—101.

Mertz, Lawrence N., to Block Engineering, Inc. Interference technique and apparatus for spectrum analysis. Re. 27,947, 3–26–74, Cl. 356—106.

Metals, Inc.: *See*—
Evans, John D. Re. 28,244.

Metcalf, Michael H., to Tektronix, Inc. Transistor matrix. Re. 28,224, 11–5–74, Cl. 340—166.

Mettetal, Donald, Jr., to Andrew F. Wintercorn. Outboard motor tilting mechanism. Re. 27,932, 2–26–74, Cl. 115—41.

Meyer, Donald D.: *See*—
Meltzer, Morris, and Meyer. Re. 28,077.

Meyers, Robert M.: *See*—
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Microsystems International Ltd.: *See*—
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Midland-Ross Corp.: *See*—
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Mihic, Wlajko. Toolholder assemblies. Re. 27,884, 1–15–74, Cl. 29—96.

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Miller, Jason A.: *See*—
Smerak, Louis J., and Miller. Re. 28,074.

Miller, Jerry E., to The Globe Tool and Engineering Co. Armature winding and commutator connection. Re. 27,893, 1–22–74, Cl. 310—234.

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Minnesota Mining and Manufacturing Co.: *See—*
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Miura, Keiichiro, to Asahi Toy Co., Ltd. Toy car. Re. 27,859, 1–1–74, Cl. 46—206.
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Nutter, Irvin E., deceased, by the First National Bank and Trust Co., executor, and D. E. Nutter, 30% to M. C. Nutter, 20% to N. N. Pantaleoni. Fluid contact tray. Re. 27,908, 1–29–74, Cl. 261—114.
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Odenthal, Conrad J., and G. K. Hashizume, to Tektronix, Inc. Electron beam deflection apparatus. Re. 28,223, 11–5–74, Cl. 315—3.
Oeschger, Joseph E., to International Telephone and Telegraph Corp. Hermetically sealed variable capacitor with optimum movable plate shaft bearing structure. Re. 27,900, 1–22–74, Cl. 317—245.
Ohfuji, Yoshio, and T. Eguchi, to Kuraray Co., Ltd. Process for the production of aromatic polybenzimidazoles. Re. 28,197, 10–15–74, Cl. 260—78.4.
Oka, Shunzo: *See—*
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Okayama, Shigeru, and K., and H. Takahashi. Automatic film developing apparatus. Re. 28,247, 11–19–74, Cl. 354—335.
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Boxman, Peter, and Van Roessel. Re. 28,021.
Phillips, Charles: *See—*
Busler, Willard L., Polk, Phillips, and Ross. Re. 28,119.

Phillips, Edwin R., to Sperry Rand Corp. Fluid device. Re. 27,936, 3–5–74, Cl. 137—81.5.
Plantronics, Inc.: *See—*
Jensen, Wolfgang W. Re. 27,986.
Plumer, Lawrence H., to Rutland Fire Clay Co. Shut-off nozzle for caulking cartridge. Re. 28,120, 8–20–74, Cl. 222—326.
Pohlmann, Heinz: *See—*
Marx, Matthias, Zosel, Spoor, Pohlmann, and Heinze. Re. 28,173.
Poingt, Roger, to Etablissements Proner, S.A. Insulating protector for clips used in electrical connections. Re. 28,126, 8–20–74, Cl. 339—59.
Polacoat Inc.: *See—*
Dreyer, John F. Re. 2,711.
Pollacco, William F., assignors to D. A. Botte, H. R. Lampshire, B. A. Diemer, B. A. Schriever, and S. W. Bogley, fractional part interest to each. Visual control system. Re. 27,952, 3–26–74. Cl. 40—63.
Polygon Industries Limited: *See—*
Gulley, John M. Re. 28,121.
Porter, Dennis A., to General Electric Co. DC shunt starter generator. Re. 27,868, 1–1–74, Cl. 290—31.
Porter, Clyde R., and J. A. Sember, to P. L. Porter Co. Hydraulic control assembly. Re. 28,030, 6–4–74, Cl. 60—54.50.
Porter, P. L., Co.: *See—*
Porter, Clyde R. and Sember. Re. 28,030.
Potter Instrument Co., Inc.: *See—*
Fieldgate, Ivan O. Re. 27,960.
Pound, Carl S.: *See—*
Earle, Fred A. Jr., and Pound. Re. 28,096.
Prenihan A. G.: *See—*
Johnson, Martin R. Re. 27,886.
Price, David D., Jr., and L. R. De Bell, ⅓ each to The Economy Co., and Price, D. D., Jr., and F. C. Apparatus for variable speed playback of plural track records. Re. 28,006, 5–7–74, Cl. 179—100.2.
Price, Ralph E., to Landis Tool Co. Means for adjusting the angular relation between a workpiece to be ground and a tool. Re. 28,082, 7–23–74, Cl. 51—165.
Prince Mfg. Co.: *See—*
Weits, Ferdinand, and Zwiep. Re. 27,873.
Provenzano, James, Jr., J. Saunders, and H. Monterose, to United Aircraft Corp. Selective data handling apparatus. Re. 28,109, 8–13–74, Cl. 340—172.5.
Pucher, Walter, by Aktiebolaget, Allmanna Svenska Elektriska, assignee. Circuit breaker for high voltage direct current. Re. 27,919, 2–12–74, Cl. 317—11.
Puretic, Mario J. Fish unloading system. Re. 28,186, 10–1–74, Cl. 214—152.
Quinn, John N. by Johnson Welding & Equipment Co., Inc. Portable crushing plant. Re. 28,125, 8–20–74, Cl. 241—76.
RCA Corp.: *See—*
Hingston, William F. Re. 27,924.
Mayhew, Thomas R. Re. 27,935.
Schanne, Joseph F. Re. 28,285.
Yu, Edwin K. C. Re. 27,928.
Raabe, Fritz, to Dr. Plate GmbH Chemische Fabrik. Laurolactam copolyamide shaped articles having highly adhesive surfaces. Re. 27,939, 3–12–74, Cl. 260—78.1.
Rackus, John J., J. P. Skilbeck, and A. H. Szkudlapski, to Western Electric Co., Inc. Process for supporting and non-uniformly treating articles. Re. 28,267, 12–10–74, Cl. 204—15.
Rakus, Joseph A., and J. G. Sharpe, to Dow Chemical Corp. Method of preparing mercapto-alkylalkoxy silanes. Re. 28,129, 8–20–74, Cl. 260—448.80.
Ralston Purina Co: *See—*
Heusdens, Wilhelmus, and Frederiksen. Re. 28,091.
Rana, Victoriano F.: *See—*
Hageman, Carlton V., and Rana. Re. 28,048.
Rangel, Henry *See—*
Estelle, Weems E., Rangel, and Petrucci. Re. 27,902.
Ratliff, Earl T., and P. W. Renaut, to Bell Telephone Laboratories, Inc. Reed switch having reed surfaces beneath the seal plated with a thin silver layer. Re. 28,220, 10–29–74, Cl. 335—154.
Rausch, Werner, H. Hansen, and G. Mueller, to Hooker Chemical Corp. Method of forming a copper containing protective coating prior to electrodeposition paint. Re. 27,896, 1–22–74, Cl. 204—181.
Ravich, Robert A. Interpersonnel behavior game-test. Re. 27,984, 4–23–74, Cl. 35—22.
Ravizza SA: *See—*
Jommi, Giancarlo, Riva, Mauri, and Mauri. Re. 28,287.
Ray, Charles, to Emmett O. Bandy. Method for repairing pressure lines such as gas mains and the like. Re. 27,895, 1–22–74, Cl. 137—15.
Rayburn, Charles C., to Illinois Tool Works Inc. Method of making a miniature metallized capacitor. Re. 28,230, 11–5–74, Cl. 29—25.42.
Re, Frank Manuel, to Dual Manufacturing and Engineering, Inc. Reclining chair. Re. 28,210, 10–22–74, Cl. 297—83.
Reed, Robert G.: *See—*
Benson, Robert W., and Reed. Re. 28,148.
Reed Rolled Thread Die Co.: *See—*
Orlomoski, Roger W. Re. 28,049.
Reeg, Cloyd P.: *See—*
Helfrey, Paul F., Kay, Peralta, and Reeg. Re. 27,856.
Helfrey, Paul F., Kay, Peralta, Reeg, and Hansford. Re. 27,857.
Reeve, John E., to Thorn Electrical Industries Ltd. Drive mechanism. Re. 27,994, 4–30–74, Cl. 74—393.
Refac Technology Development Corp.: *See—*
Demarest, Philip C., and Karlson. Re. 27,949.
Reinke, Raymond W.: *See—*
Sabatka, Winston E., Bloomquist, and Reinke. Re. 28,174.
Renaut, Paul W.: *See—*
Ratliff, Earl T., and Renaut. Re. 28,220.
Renold, Walter, to Seaco Computer-Display Inc. Film-positioning system. Re. 28,046, 6–18–74, Cl. 355—54.
Reynolds Metals Co.: *See—*
Barker, Layle B. Re. 28,084.
Holliday, William H., and Barker. Re. 28,086.
Hutcheson, James L. Re. 27,913.
Rhee, Renee V.: *See—*
Knetemann, Alexander, Lelieveld, Van Rhee, and Muys. Re. 28,024.
Rhodenizer, Harold L., J. J. Grunwald, and W. P. Innes, to MacDermid Inc. Method of making additive printed circuit boards and product thereof. Re. 28,042, 6–11–74, Cl. 117—212.
Rhone-Poulenc S.A.: *See—*
Bertrand, Guy, and Maison. Re. 28,234.
Buzano, Michel. Re. 28,150.
Buzano, Michel. Re. 28,254.
Rice, Charles M., to Akzona Inc. Production of torque yarn. Re. 28,117, 8–13–74, Cl. 57—34.
Richman, John A., Jr.: *See—*
Lunsford, Carl D., Heisley, and Richman. Re. 28,141.
Riegel Textile Corp.: *See—*
Gore, Graves T. Re. 28,139.
Ri-El Ricercle Elettroniche S.R.L.: *See—*
Righi, Nardino. Re. 28,092.
Rieter Machine Works, Ltd.: *See—*
Binder, Rolf, Grundler, and Wildbolz. Re. 27,967.
Righi, Nardino. Ri-El Ricercle Elettroniche S.R.L. Cassette tape read out devices. Re. 28,092, 7–30–74, Cl. 274—4.
Riley Co., The: *See—*
Benghiat, Ralph. Re. 28,221.
Ritter, Vern D.: *See—*
Bergmann, Elmer G., and Ritter. Re. 27,975.
Riva, Giovanna: *See—*
Jommi, Giancarlo, Riva, Mauri, and Mauri. Re. 28,287.
Rivard, Francis L., and E. K. Harley, to White Consolidated Industries, Inc. Refrigerators. Re. 27,990, 4–23–74, Cl. 62—419.
Riverside Press Inc.: *See—*
O'Neal, Cothburn M. Re. 28,138.
Robertson, H. H., Co.: *See—*
Fork, Frank W. Re. 28,035.
Robertson, Hugh G., to Amsted Industries, Inc. Center plate wear liner ring. Re. 28,279, 12–24–74, Cl. 105—199.
Robins, A. H., Co., Inc.: *See—*
Lunsford, Carl D., Heisley, and Richman. Re. 28,141.
Rodgers, Franklin A., to Pactide Corp. Compact multiple effect still having stacked impervious and pervious membranes. Re. 27,982, 4–23–74, Cl. 202—174.
Rodgers, Thomas A.: *See—*
Hardesty, Donald E., and Rodgers. Re. 28,128.
Roper, Edward C.: *See—*
Fueslein, John R., and Roper. Re. 28,124.
Rose, John B.: *See—*
Barr, Dennis A., and Rose. Re. 28,252.
Rosen, Samuel R.: *See—*
Baker, Robert G., and Rosen. Re. 27,865.
Rosenbaum, Harold, Baseball glove. Re. 28,036, 6–4–74, Cl. 2—19.
Rosenberger, Michael, and G. Saucy, to Hoffman-La Roche Inc. 9-Oxo-5-hydroxydecanoic acid lactone. Re. 28,099, 8–6–74, Cl. 260—343.5.
Rosensweig, Ronald E., to Ferrofluidics Corp. Bearing arrangement with magnetic fluid defining bearing pads. Re. 27,955, 4–2–74, Cl. 308—10.
Ross, Dean: *See—*
Busler, Willard L., Folk, Phillips, and Ross. Re. 28,119.
Roth, James F., to Monsanto Co. Compositions and processes for treating exhaust. Re. 27,926, 2–19–74, Cl. 423—212.
Rouse, John W.: *See—*
La Croce, Leonard T., Batchelar, and Rouse. Re. 27,897.
Ruhl, Charles A. L., to International Harvester Co. Forward-reverse, steering, braking and motor control. Re. 28,039, 6–11–74. Cl. 180—6.660.
Rutland Fire City Co.: *See—*
Plumer, Lawrence H. Re. 28,120.
Rys, Tadeusz, to Square D Company. Bolted contact switch with cam means for overcoming magnetic pinch forces on contact blades. Re. 28,243, 11–12–74, Cl. 200—256.
Sabatka, Winston E., W. M. Bloomquist, and R. W. Reinke, to Finishing Equipment Inc. Apparatus for liquid treatment of flat materials. Re. 28,174, 9–24–74, Cl. 134—117.
Safety Systems, Inc.: *See—*
Von Besser, Kurt. Re. 27,991.
Saf-Gard Products, Inc.: *See—*
Avrea, Walter C. Re. 27,965.
Sahley, Lloyd W., to Eastman Kodak Co. Document feeder. Re. 27,976, 4–23–74, Cl. 355—64.
Sahyun Laboratories: *See—*
Faust, John A., and Sahyun. Re. 28,229.
Sahyun, Melville: *See—*
Faust, John A., and Sahyun. Re. 28,229.
Salyer, Ival O.: *See—*
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Sandvik Aktiebolag: *See*—
Davidson, Per. Re. 27,985.
Davidson, Per. Re. 28,080.
Sangster, Frederik L. J.: *See*—
Teer, Kees, and Sangster. Re. 27,951.
Sani-Systems, Inc.: *See*—
Knight, John W. Re. 27,997.
Sargent Industries, Inc.: *See*—
Day, Ronald H. Re. 27,860.
Sarka, Albert J., to Harris-Intertype Corp. Cutting and scoring dies. Re. 28,143, 9–3–74, Cl. 93—58.
Sartell, Jack A.: *See*—
Chen, Di, Honebrink, Otto, and Sartell. Re. 28,270.
Sato, Akira, M. Sonoda, K. Shiba, M. Hinata, and T. Nozoe, to Fuji Photo Film Co., Ltd. Direct positive fogged silver halide emulsion sensitized with a cycloheptatriene cyanine dye. Re. 28,208, 10–22–74, Cl. 96—101.
Sato Kiko Kabushiki Kaisha: *See*—
Sato, Yo, Nagashima, Murata, Makino, Matsushima, and Izumihara. Re. 27,889.
Sato, Yo, K. Nagashima, Y. Murata, K. Makino, E. Matsushima, and S. Izumihara, to Sato Kiko Kabushiki Kaisha. Portable, one-hand-operable labeling machine. Re. 27,889. 1–15–74, Cl. 156—384.
Saucy, Gabriel: *See*—
Rosenberger, Michael, and Saucy. Re. 28,099.
Saul, Robert H.: *See*—
Bergh, Arpad A., Paola, and Saul. Re. 28,140.
Saunders, John: *See*—
Provenzano, James, Jr., Saunders, and Monterose. Re. 28,109.
Scalora, Anthony J., to Owens-Illinois, Inc. Method and apparatus for making a blown article. Re. 28,063, 7–2–74, Cl. 264—97.
Schadow, Rudolf. Pushbutton switches. Re. 27,963, 4–9–74. Cl. 200—159.
Schanne, Joseph F., to RCA Corp. Article labeling and identification system. Re. 28,285. 12–31–74. Cl. 235—61.
Schloetter, Max Dr. Ing., Fabrikfuer Galvanotechnik: *See*—
Korpiun, Joachim, and Steeg. Re. 27,999.
Schlumberger Technology Corp.: *See*—
Semmelink, Adelbert. Re. 28,264.
Shore, James B. Re. 28,061.
Schmitt, Donald J., to Therm-O-Disc, Inc. Adjustable thermostat. Re. 28,019, 5–28–74, Cl. 337—347.
Schnepp, Bradley A.: *See*—
Brown, Gaylord W., and Schnepp. Re. 27,881.
Schock, Josef P.: *See*—
Barringer, Anthony R., and Schock. Re. 28,216.
Schoerner, Roger J., to Southwire Co. Insulated aluminum alloy magnet wire. Re. 28,078, 7–23–74, Cl. 174—120.
Schriever, Bernard A.: *See*—
Pollacco, William F. Re. 27,952.
Schultz, Peter C.: *See*—
Keck, Donald B., Schultz, and Zimar. Re. 28,029.
Schulz, Guenther, to Joh. A. Benckiser G.m.b.H. Chemische Fabrik. Process for producing crystalline alkali metal citrates by precipitation. Re. 28,192, 10–8–74, Cl. 204—180.
Schulz, Guenther, to John A. Benckier, G.m.b.H. Process of producing citric acid. Re. 28,203, 10–15–74, Cl. 204—180.
Schwartz, Arthur: *See*—
Schwartz, Arthur, and Day. Re. 28,103.
Schwartz, Arthur, and F. L. Day, to Arthur Schwartz. Invalid mobility device. Re. 28,103, 8–6–74, Cl. 128—25.
Scott, Myrsyl W., and F. L. Stelzer to Honeywell Inc. Multicolor photovoltaic device. Re. 28,032, 6–4–74, Cl. 250—211.
Scovill Mfg. Co.: *See*—
Cole, Joseph E. Re. 27,920.
Seaco Computer-Display Inc.: *See*—
Renold, Walter. Re. 28,046.
Sember, Joseph A.: *See*—
Porter, Clyde R., and Sember. Re. 28,030.
Semmelink, Adelbert, to Schlumberger Technology Corp. Apparatus for well logging by measuring and comparing potentials caused by sonic excitation. Re. 28,264, 12–3–74, Cl. 324—1.
Senderoff, Seymour, to Union Carbide Corp. Rechargeable electro-chemical cell having complex metal fluoride electrolyte. Re. 28,250, 11–26–74. Cl. 136—6.01.
Sergeys, Frank J., to W. R. Grace & Co. Porous-ceramic oxidation catalyst. Re. 28,195, 10–8–74, Cl. 252—455.
Setina, John R. Automobile partition apparatus pivoted on guardplate. Re. 27,942, 3–19–74, Cl. 296—24.
Shamban, W. S., & Co.: *See*—
Traub, Henry A. Re. 28,105.
Sharne, James G.: *See*—
Rakus, Joseph A., and Sharpe. Re. 28,129.
Shaw, Robert F.: *See*—
Deb, Satyendra K., and Shaw. Re. 28,199.
Shell Oil Co.: *See*—
Hardesty, Donald E., and Rodgers. Re. 28,128.
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Shimizu, Kazuo: *See*—
Kiuchi, Yuji, Shimizu, and Yoshida. Re. 28,156.
Shinagawa, Mutsuaki, and H. Nezu, to Matsushita Electric Industrial Co., Ltd. Electrolytic process of preparing pure hydrogen. Re. 28,083, 7–23–74, Cl. 204—129.
Shore, James B., to Schlumberger Technology Corp. Perforating apparatus. Re. 28,061, 7–2–74, Cl. 175—4.6.
Siemens Aktiengesellschaft: *See*—
Von Strum, Ferdinand, and Kohlmuller. Re. 27,929.
Silchenstedt, Albert B. Means and method for locating shrimp and other marine animals. Re. 27,862, 1–1–74, Cl. 43—4.5.
Silver, Melvyn D.: *See*—
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Silvey, Elmer Ray. Saw chain grinding machine. Re. 28,057, 7–2–74, Cl. 76—43.
Sinclair & Valentine Co., Inc.: *See*—
Blake, Carl B. Re. 27,892.
Sisson, Ronald L.: *See*—
Howard, Wayne B., and Sisson. Re. 28,113.
Skilbeck, John P.: *See*—
Rackus, John J., Skilbeck, and Szkudlapski. Re. 28,267.
Skou, William J., W. W. Knicely, and W. E. Duffett, to Henry W. Motzkau. Azalea plant. 3,417, 1–1–74. Cl. 55.
Skuttle Mfg. Co.: *See*—
Stiles, Walter R. Re. 28,154.
Sluijters, Robert, by Akzona Inc. Mixing apparatus. Re. 28,072, 7–9–74, Cl. 259—4.
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Sweet, Jack S., Jessel, and Duffett. 3,421.
Smart, James E., to Automatic Pipe Racker, Inc. Portable type handling apparatus. Re. 28,071, 7–9–74. Cl. 214—1.
Smerak, Louis J., and J. A. Miller, to Caravan Products Co., Inc. Yeast Leavened bread dough composition and process of manufacture. Re. 28,074, 7–16–74, Cl. 426—20.
Smith, Edwin W., and E. J. Kubiak. Automatic gas chromatographic sample injection device. Re. 28,058, 7–2–74. Cl. 73—422.
Smith, Lester L., to Home Comfort Products Co. Roof ridge ventilator. Re. 27,943, 3–19–74. Cl. 98—42.
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McGary, Charles W., Jr., and Smith. Re. 27,887.
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Huber, Robert. Re. 27,909.
Societe Rhodiaceta: *See*—
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Sommers, Gary L., and A. F. Halasa. Process. Re. 27,878, 1–8–74, Cl. 260—94.20 T.
Song, Earl H.: *See*—
Gallagher, John P., Meyers, Song, and Willitis. Re. 27,880.
Sonoda, Minoru: *See*—
Sato, Akira, Sonoda, Shiba, Hinata, and Nozoe. Re. 28,208.
Sousek, Eugene A.: *See*—
Witt, Wilmer E., Sousek, and Clish. Re. 28,200.
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Southwire Co.: *See*—
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Spartonics Ltd.: *See*—
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Stelzer, William, to Kelsey Hayes Co. Pressure metering valve. Re. 28,253, 11–26–74, Cl. 303—6.
Stephenson, Robert L., to Allied Chemical Corp. Method and apparatus for filling vehicle gas bags. Re. 28,164, 9–17–74, Cl. 141—4.
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Stevens, Simon E., to Stero N.V. Stretcher. Re. 28,056, 6–25–74, Cl. 5—81.
Stiles, Walter R., to Skuttle Mfg. Co. Wall or duct mounted humidistat. Re. 28,154, 9–10–74, Cl. 317—120.
Stockford, William F., and J. M. Gamewell, to Gamewell Mechanical, Inc. High capacity prefabricated air conditioning system. Re. 28,246, 11–19–74, Cl. 62—298.
Stosberg, Arturo E., and D. A. Horstkorte, to Kurt R. Machein. Single picture selector system. Re. 28,231, 8–13–68, Cl. 360—35.
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La Force, Jean, and Stringer. Re. 28,190.
Suden, Edward M.: *See*—
Merrin, Seymour, Silver, and Suden. Re. 27,934.
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Suzuki, Masaru, and Y. Kawai, to Kabushiki-Kaisha Tokai Rika Denki Seisakusho. Direction signal cancelling mechanism. Re. 27,971, 4–16–74, Cl. 200—61.340.

Sweet, Jack S., W. H. Jessel, Jr., and W. E. Duffett, to Earl J. Small, Growers Inc. Chrysanthemum plant. 3,421, 1–1–74, Cl. 78.
Swift, Gilbert. Method and apparatus for determining deflection of a structure. Re. 27,875, 1–8–74, Cl. 73—67.1.
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Okayama, Shigeru, and K., and Takahashi. Re. 28,247.
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Taylor, Richard P., R. H. Van Brimer, and F. E. Culp, to The Mead Corp. Image construction system using multiple arrays of drop generators. Re. 28,219, 10–29–74, Cl. 346—75.
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Gaffey, Troy M., and Wernicke. Re. 28,045.
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Thomson, William P., to The W. W. Thomson Co. Inc. Carnation plant. 3,422, 1–1–74. Cl. 70.
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Tlaverbel S.A.: *See*—
Dutholt, Jean. Re. 27,921.
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Tokyo Shibaura Electric Co., Ltd.: *See*—
Kiuchi, Yuji, Shimizu, and Yoshida. Re. 28,156.
Tornqvist, Erik.: *See*—
Langer, Arthur W., Jr., and Tornqvist. Re. 27,940.
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Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,760, 1–1–74, Cl. D29—19.
Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,761, 1–1–74, Cl. D29—19.
Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,762, 1–1–74, Cl. D29—19.
Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,763, 1–1–74, Cl. D29—19.
Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,764, 1–1–74, Cl. D29—19.
Batista, Tomas, to Del-Bros Jewelry Mfg. Co., Inc. Non-monetary coin and the like. 229,765, 1–1–74, Cl. D29—19.
Battaglia, Thomas A. Stand for real estate sign. 233,706, 11–19–74, Cl. D96—12.
Batts, John H., and J. F. Garrison, to John T. Batts, Inc. Combination slack, tie and coat display support. 231,061, 4–2–74, Cl. D6—116.
Batts, John T., Inc.: *See*—
Batts, John H., and Garrison. 231,061.
Bauer, Alfred F., to N L Industries, Inc. Bicycle frame. 230,963, 3–26–74, Cl. D12—111.
Bauer, Alfred F., to N L Industries, Inc. Bicycle frame. 232,306, 8–6–74, Cl. D12—111.
Bauer, James J., to Clark Equipment Co. Self-propelled loader vehicle. 231,482, 4–23–74, Cl. D40—5.
Baughman, Karl T., to Sears, Roebuck & Co. Typewriter housing with tambour cover. 233,858, 12–3–74, Cl. D64—11.
Baughn, Daniel L.: *See*—
Kimball, David V., and Baughn. 232,431.
Bauman, Joseph F., to Emanuel Roth, Co., Inc. Revolvable display stand. 231,661, 5–14–74, Cl. D6—24.
Bausch & Lomb Inc.: *See*—
Huckenbeck, Claus O. 231,858.
Baxter Laboratories, Inc.: *See*—
Hauser, Stephen G. 230,094.
Seltz, Lamont J., and Miranda. 231,444.
Seltz, Lamont J., and Hauser. 231,781.
Bayeura, Donald, to Stow Mfg. Co. Portable power saws. 233,307, 10–22–74, Cl. D8—66.
Bayly, Peter K., to Wiltshire Cutlery Co. Proprietary Ltd. Scabbard. 230,122, 1–29–74, Cl. D7—74.
Bayly, Peter K., to Wiltshire Cutlery Company Proprietary Ltd. Scabbard and sharpener assembly. 232,899, 9–24–74, Cl. D7—74.
Baynes, William H. Concentric cubic puzzle. 230,874, 3–19–74. Cl. D34—15.
Baynes, William R., and R. J. Douglas, to Mattel, Inc. Velocipede. 231,346, 4–16–74, Cl. D12—112.
Beach, Daryl R., and T. Oshida, to Kabushiki Kaisha Morita Seisakusho. Dental operating chair seat. 230,237, 2–5–74, Cl. D6—197.
Beadle, Anthony C., R. W. Parrish, and J. G. Brown, to International Standard Electric Corp. Telephone subscribers instrument. 232,642, 9–3–74, Cl. D26—14.
Beadle, Raymond G. Automobile overtire. 233,516, 11–5–74, Cl. D12—154.
Beaird-Poulan Inc.: *See*—
Tuggle, Lloyd H. 233,075.
Beam Furniture, Inc.: *See*—
Lindvall, Roy B. 229,801.
Lindvall, Roy B. 229,802.
Lindvall, Roy B. 229,803.
Beam, Norman A., to McGraw-Edison Co. Built-in electric toaster. 229,817, 1–8–74, Cl. D7—93.
Beams, Anthony G., to E. & H. Grace Ltd. End connector bracket for a shelf or other article. 230,115, 1–29–74, Cl. D6—191.
Beams, Anthony G., to E. & H. Grace Ltd. End support for horizontal shelving. 230,116, 1–29–74, Cl. D6—191.
Bean, Wilford E.: *See*—
Lorenz, Leo J., and Bean. 230,876.
Beasley, Donald L., to Townsend Engineering Co. Stripper element for meat skinning machines. 231,126, 4–2–74. Cl. D55—1.
Beatrice Foods Co.: *See*—
Katz, Robert E. 234,003.
Katz, Robert E. 234,004.
Kozlol, Walter. 231,070.
Lindner, Henry. 230,317.
Visscher, Dennis. 230,833.
Beatty, Cleland H., to Hayden Beatty Rambler Inc. Hoisting trailer. 231,339, 4–16–74, Cl. D12—56.
Beaver, Ted L., to Continental Can Co., Inc. Bottle. 233,737, 11–26–74, Cl. D9—40.
Beck, Leonard W., 40% to Walter Becker. Necktie. 232,986, 10–1–74. Cl. D2—354.
Beck, Nevitt, S. Water sled 232,964, 9–24–74, Cl. D34—42.
Becker, James R. Chess gameboard. 231,556, 4–30–74, Cl. D34—5.
Becker, Jean. Tennis court flooring unit or the like. 233,832, 12–3–74, Cl. D13—1.
Becker, Jerome E. Golf putter head. 232,371, 8–13–74, Cl. D34—5.
Becker, Kurt, to Hermann Heye. Bottle. 232,915, 9–24–74, Cl. D9—135.
Becker, Larry F.: *See*—
Koppa, Charles J., Andres, Quanrud, Becker, Christoffersen, and Keely. 233,482.
Becker, Sidney, to Stanton Magnetics, Inc. Stereophonic head set. 229,833, 1–8–74, Cl. D26—14.
Becker, Walter: *See*—
Beck, Leonard W. 233,986.
Beckman, Glenn B., to Corning Glass Works. Casserole. 230,120, 1–29–74, Cl. D7—28.
Beckman, Glen B., to Corning Glass Works. Adaptor top for a serving vessel or the like. 230,691, 3–12–74, Cl. D7—131.
Beckman, Glenn B., to Corning Glass Works, Beverage server. 231,685, 5–28–74, Cl. D7—59.
Beckman, Glenn B., to Corning Glass Works. Supporting cradle for a serving dish or the like. 232,903, 9–24–74, Cl. D7—130.
Beckman, Joseph L. Tape cartridge cabinet. 230,528, 2–26–74, Cl. D87—1.
Beckman, Melvin H., to Keystone-Consolidated Industries, Inc. Flush mounted latch. 230,945, 3–26–74, Cl. D8—109.
Beddick, Frank G., to Queen Cutlery Co. Sheath for a knife. 230,847, 3–19–74, Cl. D22—13.
Bedinger, Vernon L., 50% to Andrew B. Haddow. Sundial. 233,028, 10–1–74, Cl. D10—45.
Bednar, Charles J., to FMC Corp. Tractor. 231,248, 4–9–74, Cl. D40—5.
Bee, James W. M., J. F. Tyson, and J. A. Mahan, to Bell Canada-Northern Electric Research Ltd. Telephone substation apparatus. 232,226, 7–30–74, Cl. D26—14.
Bee, James W. M., J. F. Tyson, and J. A. Mahan, to Bell Canada-Northern Electic Research Ltd. Base for a telephone set. 232,227, 7–30–74, Cl. D26—14.
Beelner & Thomas: *See*—
Rodregnez, Jose M. 232,139.
Beer, Allan T., to Darrell-Allan Corp. Underwater light. 231,483, 4–23–74, Cl. D48—24.
Beers, Robert N.: *See*—
Allis, James T., Beers, and Marth. 230,085.
Beger, Richard E., to The Bates Mfg. Co. Telephone index. 231,953, 6–25–74, Cl. D74—1.
Begge, Alexandria, to Casala-Werke Carl Sasse KG. Chair. 230,670, 3–12–74, Cl. D6—56.
Beitler, Myron, and T. L. Barner, to Litton Business Systems, Inc. Calculating machine. 233,347, 10–22–74, Cl. D26—5.
Beldarrain, Francisco, to Orbaiceta, S.A. Electric heater. 232,028, 7–9–74, Cl. D23—110.
Beldarrain, Francisco, to Orbaiceta, S.A. Portable heater. 233,524, 11–5–74, Cl. D23—123.
Belgrave (Blackheath) Ltd.: *See*—
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Bell, Arthur. Rubber mat. 232,895, 9–24–74, Cl. D6—209.
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Bee, James W. M., Tyson, and Mahan. 232,227.
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Bell Electric Co.: *See*—
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Kennedy, Richard T., and Hvale. 233,779.
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Bell & Howell Co.: *See*—
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Bartley, Keith D., Dewhirst, Genaro, and McGarvey. 232,223.
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Doyle, Francis S., Genaro, Paas, and Prince. 232,562.
Eubank, Carol H., Genaro, McGarvey, and Prince. 231,650.
Genaro, Donald M., and McGarvey. 229,837.
Genaro, Donald M., McGarvey, and Sylvester. 230,158.
Genaro, Donald M., McGarvey, and Sylvester. 230,159.
Genaro, Donald M., McGarvey, and Sylvester. 230,160.
Genaro, Donald M., McGarvey, and Sylvester. 231,742.
Genaro, Donald M., McGarvey, and Sylvester. 231,836.
Bell, Vernon D., and C. L. Seltz, to King-Seeley Thermos Co. Insulated bottle. 232,900, 9–24–74, Cl. D7—77.
Bell, Vernon D., and C. L. Seltz, to King-Seeley Thermos Co. Insulated bottle with attached cup. 232,901, 9–24–74, Cl. D7—77.
Beller, Frank W., to Belson Mfg. Co., Inc. Picnic table. 233,277, 10–22–74, Cl. D6—27.
Bellini, Mario, to Ing., C. Olivetti & C., S.p.A. Portable typewriter. 230,088, 1–22–74, Cl. D64—11.
Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Electronic printing calculator. 233,346, 10–22–74, Cl. D26—5.
Bellini, Mario, to Ing. Olivetti & C., S.p.A. Desk top calculator. 233,349, 10–22–74 Cl. D26—5.
Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Portable calculator. 233,350, 10–22–74, Cl. D26—5.
Belson Mfg. Co., Inc.: *See*—
Beller, Frank W. 233,277.
Bemel, Milton M., 50% to Warren F. B. Lindsley. Combined bag and information containing pocket. 229,896, 1–15–74, Cl. D9—249.
Bemis, John E. II, and G. J. Knezovich. Ski skooter. 232,164. 7–23–74, Cl. D12—10.
Bendix Corp., The: *See*—
Michel, Donald E., and McKeown. 232,556.
Michel, Donald E., and McKeown. 232,557.

Bendix Home Systems, Inc.: *See*—
Eacret, Dan P. 232,718.

Bengert, Willis R. Fruit cup or the like. 230,552, 3–5–74, Cl. D7—13.

Bengtsson Sigurd W. Spring fastener or similar article. 233,215, 10–15–74, Cl. D8—264.

Benjamin, E. Burton, to Master Appliance Corp. Heat gun. 232 554, 8–27–74, Cl. D23—162.

Benjamin, Elizabeth, to Crystal Products Co., Ltd. Eyelash container. 232,159, 7–23–74, Cl. D9—171.

Bennett, Brian S., to Dunlop Ltd. Tire for a vehicle wheel. 231,212, 4–9–74, Cl. D12—146.

Bennett, Brian S., to Dunlop Ltd. Tire for a vehicle wheel. 231,213, 4–9–74, Cl. D12—146.

Bennett, Frederic C., and S. J. Bennett. Door protector plate. 231,080, 4–2–74, Cl. D8—137.

Bennett, Latham S. Dispensing container for toothpicks or the like. 232,418, 8–20–74, Cl. D9—23.

Bennett, Leonard M. Floatable tray. 232,793, 9–17–74. Cl. D6—146.

Bennett, Richard A.: *See*—
Bennett, Richard A., and Quinn. 233,049.

Bennett, Richard A., and R. J. Quinn, Jr., to Richard A. Bennett, d.b.a. Sea Life Mfg. Brine shrimp hatcher. 233,049, 10–1–74, Cl. D30—6.

Bennett, Richard H., and D. N. Lambert. Ultraviolet water purifier for acquariums or the like. 232,435, 8–20–74, Cl. D23—3.

Bennett, Sandra J.: *See*—
Bennett, Frederic C., and S. J. 231,080.

Benson, Don O., and E. C. Ash tray. 230,213, 1–29–74, Cl. D85—2.

Benson, Elaine C.: *See*—
Benson, Lon O., and E. C. 230,213.

Benson Mfg. Corp.: *See*—
Littman, Bruce A., Memmel, and Waldheim. 230,478.

Bentley, Karen M. Dress. 233,960, 12–24–74, Cl. D2—72.

Bentley, Maxwell. Wine rack. 230,242, 2–5–74, Cl. D7—71.

Bentley, Maxwell, to Delsemme's Artist Materials. Bracket for picture frame. 231,901, 6–25–74, Cl. D8—258.

Benzing, Walter C., to Applied Materials Technology, Inc. Automatic fluid flow control unit. 232,085, 7–16–74, Cl. D16—2.

Berchert, Viola M. Photograph display holder. 231,299, 4–16–74, Cl. D6—234.

Berend, Peter M., to Rubbermaid Inc. Utensil lid rack. 231,422, 4–23–74, Cl. D6—130.

Berg, Albert T., Jr.: *See*—
Langlie, Howard, and Berg. 233,732.

Berg, Albert T., Jr., and H. Langlie. Electric fence insulator. Langlie, Howard, and Berg. 233,823.

Berg, Albert T., Jr., and H. Langlie. Electric fense insulator. 233,824, 12–3–74, Cl. D8—230.

Berger, Paula H., and J. A. Birnbaum. Rack for condiment holders. 233,878, 12–10–74, Cl. D7—71.

Berger, Richard M., to American Filtrona Corp. Filtered cigarette. 229,788, 1–1–74. Cl. D85—6.

Berger, Richard M., to American Filtrona Corp. Filtered cigarette. 229,789, 1–1–74. Cl. D85—6.

Berger, Richard M., to American Filtrona Corp. Filtered cigarette. 229,790, 1–1–74. Cl. D85—6.

Berger, Robert P. Incisal packing tool. 232,734, 9–10–74. Cl. D24—1.

Bergquist, Thomas A., to Olin Corp. Stove burner. 232,149, 7–23–74, Cl. D7—136.

Berkeley Pump Co.: *See*—
Rhoda, Ralph A. 231,030.
Rhoda, Ralph A. 232,600.

Berkey-Colortan, Inc.: *See*—
Hartz, George R., and Wasserman. 231,010.

Berkey Photo, Inc.: *See*—
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Emmerling, Ronald. 232,263.
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Koenecke, Michael J., and Hughes. 231,224.
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Berkline Corp., The: *See*—
Long, Stapleton. 230,110.
Long, Stapleton. 230,111.
Long, Stapleton. 230,112.

Berkman, Joseph L. Tape cassette cabinet. 230,527, 2–26–74, Cl. D87—1.

Berkman, Joseph L. Tape and cassette carousel. 233,375, 10–22–74, Cl. D87—1.

Berman, Charles H. Combined bottle and display carton therefor. 231,903, 6–25–74, Cl. D9—12.

Bernard, Charles, to Airborne S.A. Seat or similar article. 229,879, 1–15–74, Cl. D6—66.

Bernard, Charles. Chair. 234,015. 12–31–74. Cl. D6—47.

Bernard, James E., to Richard W. Whitlaw. Pipe reamer and tamper. 229,983, 1–15–74, Cl. D85—7.

Bernard, James K., T. F. Gary, and J. Cholakis, to International Playtex Corp. Milk case. 231,770, 6–11–74, Cl. D9—177.

Bernard, Walter. Bicycle carrier for automobile. 230,352, 2–12–74. Cl. D12—158.

Berne, William E., to La Berne Mfg. Co., Inc. Postural drainage table. 231,864, 6–18–74, Cl. D83—1.

Berner, John M.: *See*—
Mittelstadt, Robert A., and Berner. 229,848.

Bernheiser, Charles A., to W. R. Grace, & Co. Food container. 230,471, 2–26–74, Cl. D9—182.

Bernstein, Bernard. Charm or similar article. 232,754, 9–10–74, Cl. D45—17.

Bernstein, Bernard. Charm or similar article. 233,248, 10–15–74, Cl. D45—17.

Bernstein, Bernard. Charm or similar article. 233,360, 10–22–74, Cl. D45—17.

Bernstein, Bernard. Jewelry finding. 233,681, 11–19–74, Cl. D45—19.

Bernstein, Bernard. Jewelry finding. 233,682, 11–19–74, Cl. D45—19.

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Avant, Richard, and Schmedes. 231,183.
Nelson, John M., and Chvatal. 231,312.
Paulson, Harvey V., and Liese. 231,561.

Berry, Lois B., and S. Miller. Racquet cover. 231,150, 4–2–74, Cl. D87—1.

Berry, Lois B., and S. Miller. Carryall for tennis equipment. 231,807, 6–11–74, Cl. D87—1.

Best, Don A. Fishing lure. 233,988, 12–24–74, Cl. D22—27.

Best, John H., & Sons, Inc.: *See*—
Best, Leon H., and Davis. 229,910.

Best, Leon H., and R.D. Davis, to John H. Best & Sons, Inc. Display stand for carpet samples and the like. 229,910, 1–15–74, Cl. D6—139.

Best Quality Plastics, Inc.: *See*—
Erickson, Herbert R. 229,824.

Bethune, Ade, to Terra-Sancta Creations, Inc. Pendant. 230,499, 2–26–74, Cl. D45—16.

Better Marketing Industries, Inc.: *See*—
Schroll, Willard J. 229,747.

Bettonica, Franco, to Perlier S.p.A. Container for cosmetics or the like. 230,137, 1–29–74, Cl. D9—168.

Bettonica, Franco, to Perlier S.p.A. Bottle. 232,701, 9–10–74, Cl. D9—83.

Bettonica, Franco, to Perlier S.p.A. Bottle. 232,702, 9–10–74, Cl. D9—83.

Bettonica, Franco, to Perlier S.p.A. Jar or the like. 232,916, 9–24–74, D9—164.

Bevilacqua, Ernest M.: *See*—
Noyes, Elliot, and Bevilacqua. 230,789.

Bialek, Norman. Game die. 232,453, 8–20–74, Cl. D34—5.

Biallo, Olga M. Cake of soap or the like. 231,406, 4–16–74, Cl. D73—1.

Bialo, Walter. Luggage case. 233,955, 12–17–74, Cl. D87—5.

Bialosky, Richard A. Couch. 230,384, 2–19–74, Cl. D6—61.

Bianchini, Arthur A.: *See*—
Reda, Charles J., and Bianchini. 230,594.

Biderman, Sidney. Disposable litter container or similar article. 232,214, 7–30–74, Cl. D7—193.

Biderman, Sidney. Disposable litter container or similar article. 233,819, 12–3–74, Cl. D7—193.

Bienkowski, James J.: *See*—
Abend, Chester J., Bienkowski, and Jolliffe. 232,583.

Bienkowski, James J., and J. A. Rauch, to SCM Corp. Control knob for office machines. 231,316, 4–16–74, Cl. D8—145.

Bienkowski, James J., and P. D. Younge, to SCM Corp. Typewriter. 232,585, 8–27–74, Cl. D64—11.

Bierbusse, James H., and C. H. Vizina, Jr., to Uniroyal, Inc. Pneumatic tire tread and buttress. 230,379, 2–12–74, Cl. D90—20.

Bierbusse, James H., to Uniroyal, Inc. Pneumatic tire tread and buttress. 233,225, 10–15–74, Cl. D12—146.

Bierbusse, James H., to Uniroyal, Inc. Pneumatic tire tread and buttress. 233,515, 11–5–74, Cl. D12—143.

Bike Products Co.: *See*—
Edmonds, Floyd C. 231,657.

Bila Cup AB: *See*—
Persson Karl R. 232,422.

Billingslea, Elmer O., Jr. Bootjack. 230,214, 1–29–74, Cl. D86—10.

Bills, Thomas M. Collapsible smoking pipe. 231,414, 4–16–74, Cl. D85—8.

Bingham, Bruce N.: *See*—
Tegner, Raymond U.H., and Bingham. 231,190.

Bingham, Bruce N., L. E. Clayton, and R. U. H. Tegner, to Amerock Corp. Pull. 231,191, 4–9–74, Cl. D8—166.

Bingham, Bruce N., L. E. Clayton, and R. U. H. Tegner, to Amerock Corp. Escutcheon plate. 231,193, 4–9–74, Cl. D8—179.

Bingham, Bruce N., L. E. Clayton, and R. U. H. Tegner, to Amerock Corp. Pull. 233,009, 10–1–74, Cl. D8—138.

Bingham, Neely O. Household caddy. 232,280, 8–6–74, Cl. D6—28.

Binks, Ronald, to Global Systems Design Corp. Telephone dialing instrument. 232,100, 7–16–74, Cl. D26—14.

Binzer, Thomas J.: *See*—
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Bio-Medical Sciences, Inc.: *See*—
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Biospectrum Inc.: *See*—
Schmit, Richard L., and Sharbaugh. 233,008.

Birks, Carolyn A. Toilet tissue dispensing holder. 230,795, 3–19–74, Cl. D6—97.

Birnbaum, Jack A.: *See*—
Berger, Paula H., and Birnbaum. 233,878.

Birrell, Stewart H.: *See*—
Hedgewick, Peter, and Birrell. 230,206.

Bishaf, Morris, and L. Messineo. Frame for children's bicycle seat. 229,922, 1–15–74, Cl. D12—119.

Bishop, Bill H. Wall mountable mail deposit unit. 233,370, 10–22–74, Cl. D74—9.

Bishop, James K., Sr. Multicompartment birdhouse. 233,994, 12–24–74, Cl. D30—3.

Bishop, Samuel A. Showcase for transparencies or similar articles. 232,609, 9–3–74, Cl. D6—171.

Bissell, Inc.: *See*—
Goodrich, Gordon W., and Painter. 233,126.

Bixler, Kenneth D.: *See*—
Reifers, Richard F., and Bixler. 231,200.

Bjarsch, Otto. Ventilator. 232,094, 7–16–74, Cl. D23—151.

Black and Decker Mfg. Co., The: *See*—
Ballone, Michael P. 230,045.

Black, Homer B., and R. D. Ferderer. Advertising coupon dispenser. 233,061, 10–1–74, Cl. D52—2.

Blackbourn Binding Inc.: *See*—
Heeren, George. 233,374.

Blackmore, Cecil N., to General Motors Corp. Drain pan. 230,964, 3–26–74, Cl. D12—155.

Blackwell, Boyd A., and W. F. Dean, Jr., to Nixdorff-Krein Mfg. Co. Chain display stand. 230,673, 3–12–74, Cl. D6—85.

Blackwell, Fred D. Wire stripper. 230,561, 3–6–74, Cl. D8—99.

Blakeslee, G. S. and Co.: *See*—
Vilen, Erik O. 232,972.

Blaney, Frank J., II. Bumper bowl game board. 231,000, 3–26–74, Cl. D34—5.

Blank, John M., C. E. Cox, and G. Zimmerman, to Owens-Illinois, Inc. Nebulizer unit or similar article. 231,866, 6–18–74, Cl. D83—1.

Blankenship, Arthur C., to Uniroyal, Inc. Pneumatic tire tread and buttress. 232,820, 9–17–74. Cl. D12—149.

Blaschke, James. Horizontally mounted rack for a plurality of lawn chairs or the like. 232,400, 8–20–74, Cl. D6—113.

Blattner, David G., R. H. Drinnon, S. P. Ruocco, to The Boeing Co. Airplane. 231,606, 5–7–74, Cl. D12—80.

Blattner, David G., R. H. Drinnon, and S. P. Ruocco, to The Boeing Co. Twin engine-over-wing airplane. 232,927, 9–24–74, Cl. D12—80.

Blazey, Lawrence, D. Silverstrom, and E. Rocker, to Century Products, Inc. High chair tray with removable invertible insert. 229,999, 1–22–74, Cl. D6—199.

Blease, Wilfred J., to Pioneer Plastics, Inc. Lettuce crisper. 230,933, 3–26–74, Cl. D7—76.

Bledsoe, D. Wayne, and R. A. Cadenhead. Yarn splicer or similar article. 232,320, 8–6–74, Cl. D47—5.

Blessing, Waldemar, to Blessing-Werke KG. Pedestal clock. 233,026, 10–1–74, Cl. D10—23.

Blessing-Werke KG: *See*—
Blessing, Waldemar. 233,026.

Blessings, Inc.: *See*—
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Bliss, Beatrice, to Blisscraft of Hollywood. Shelf. 232,681, 9–10–74, Cl. D6—186.

Blisscraft of Hollywood: *See*—
Bliss, Beatrice. 232,681.

Bloch, Jack, to Foster Grant Co., Inc. Spectacle front. 231,799, 6–11–74, Cl. D57—1.

Bloch, Jack, to Foster Grant, Co., Inc. Spectacle front. 231,857, 6–18–74, D57—1.

Bloch, Jack, to Foster Grant Co., Inc. Spectacle front. 231,950, 6–25–74, Cl. D57—1.

Bloch, Jack, to Foster Grant Co., Inc. Spectacle front. 231,951, 6–25–74, Cl. D57—1.

Bloch, Jack. Foster Grant Co., Inc. Spectacle front. 232,262. 7–30–74, Cl. D57—1.

Bloch, Paul P., to Moodus Sports Products. Fish hook threader and knot tying device. 231,454, 4–23–74, Cl. D22—31.

Block, Robert S.: *See*—
Krieger, John F., and Block. 231,889.

Blocksom, Dutro, Jr., to The Procter & Gamble Co. Combined bottle and cap therefor. 233,217, 10–15–74, Cl. D9—147.

Blodgett, James A. Desk set. 231,140, 4–2–74. Cl. D74—5.

Blood, Ernest R., R. W. Lichti, and J. A. Pierson, to Caterpillar Tractor Co. Bucket hook. 229,887, 1–15–74, Cl. D8—232.

Bloom, Milton W., to Donlee Mfg. Industries Ltd. Child safety seat. 231,589, 5–7–74, Cl. D6—9.

Bloomer, Belva B. Artificial nail form. 230,432, 2–19–74. Cl. D86—10.

Blosk, Robert S.: *See*—
Krieger, John F., and Blosk. 231,301.

Bloyd, Betty L., 33¼ to Harry Carr, and Cletus Caroland. Dog bed. 232,850, 9–17–74, Cl. D30—41.

Bluem, Gary R. Fluid pressure testing apparatus. 233,625, 11–12–74, Cl. D52—6.

Bluem, Gary R., to Kroy Industries, Inc. Printer. 233,701, 11–19–74, Cl. D64—11.

Bluem, Gary R., to Kroy Industries, Inc. Printer. 233,950. 12–17–74, Cl. D64—11.

Bluemel, Tom, to Century Displays. Display rack. 233,288, 10–22–74. Cl. D6—85.

Bluestein, Bernard B.: *See*—
Steinkamp, Norman A., and Bluestein. 232,802.

Bluestein, Bernard B., and N. A. Steinkamp, to Sunbeam Corp. Combined stabilizer and end cap for an electric pressing iron handle. 230,557, 3–5–74, Cl. D7—204.

Bluestein, Bernard B., to Sunbeam Corp. Electric percolator. 232,898, 9–24–74, Cl. D7—62.

Blumcraft of Pittsburgh: *See*—
Horgan, William J., Jr. 230,250.
Horgan, William J., Jr. 231,081.
Horgan, William J. Jr. 231,429.

Blumenaus, Jon, to World Carpets. Carpet. 232,132, 7–16–74, Cl. D92—4.

Boano, Gian P., to Fiat Societe per Azioni. Automobile. 230,577, 3–5–74, Cl. D12—91.

Boano, Gian P., to Fiat Societa per Azioni. Automobile. 231,915, 6–25–74, Cl. D12—91.

Boano, Gianpaolo, to Fiat Societa per Azioni. Lens for tail light assembly. 230,501, 2–26–74, Cl. D48—32.

Boano, Gianpaolo, to Fiat Societa per Azioni. Instrument panel. 230,579, 3–5–74, Cl. D12—192.

Boano, Gianpaolo, to Fiat Societe per Azioni. Automobile. 231,672, 5–21–74, Cl. D12—91.

Bobbie Peach Enterprises, Inc.: *See*—
Pietsch, Barbara C. 233,413.

Bocade, Emil J., to Keeler Brass Co. Backing plate for pulls. 230,245, 2–5–74. Cl. D8—179.

Boden, Joseph, to Boden Products, Inc. Bottle. 231,904, 6–25–74, Cl. D9—44.

Boden Products, Inc.: *See*—
Boden, Joseph. 231,904.

Boeing Co., The: *See*—
Blattner, David G., Drinnon, and Ruocco. 231,606.
Blattner, David G., Drinnon, and Ruocco. 232,927.
Brown, Robert B. 232,712.
Cook, William H., Wimpress, Pennell, and Person. 232,713.
Diamond, John, and Schneider. 232,170.
Frajola, Fred D., and Norton. 231,605.
Kircuner, Mark E., and Whitener. 232,711.
Schmidt, Gerald F. 231,094.

Boeing Co., The, and Aeritalia S.p.A.: *See*—
Drinnon, Robert H., Friebel, Di Biasi, and Capuani. 231,208.

Boeri, Maria C., to Kiga S.p.A. Articulated table. 230,332, 2–12–74, Cl. D6—178.

Bogner, Max: *See*—
Grun, Larry, and Bogner. 234,000.

Bohn, Karl A., and F. Shaw, said F. Shaw, assor. to Karl A. Bohn. Multipurpose band metal fabricating tool. 230,467, 2–26–74, Cl. D8—55.

Boisseavain, Paul, to Merchant Adventurers Ltd. Ring for use in the construction of a lampshade. 232,321, 8–6–74, Cl. D48—7.

Boktys, Algimantas K.: *See*—
Schefke, John T., and Boktys. 232,587.

Boldt, Melvin H.: *See*—
Pink, John J., and Boldt. 232,087.

Boldt, Melvin H., to National Presto Industries, Inc. Hamburger cooker or similar article. 231,069, 4–2–74, Cl. D7—94.

Bolyos, Imre. Armchair. 233,494, 11–5–74, Cl. D6—69.

Bom, Cornelis J. G.: *See*—
Van der Lely, Ary, and Bom. 231,748.

Bombardier Ltd.: *See*—
Lepointe, Y. Anselme, and Scott. 229,928.
Ponech, Ronald. 231,973.
Scott, Thomas. 230,586.
Scott, Thomas. 230,972.
Scott, Thomas. 232,674.

Bonatti, Silvio: *See*—
Bonati, Adelaide, Bonatti, de Munari, and Federspiel. 231,013.

Bonfitto, Joseph N., to Questor Corp. Combined packaging and carrying container for a basketball. 231,201, 4–9–74, Cl. D9—224.

Bonifant, Bern M., to Flex-a-Lite Corp. Fan. 232,362, 8–13–74, Cl. D23—165.

Bonny Products Inc.: *See*—
Steiner, Fred S. 232,413.

Bonsack, Horst G. Basin. 231,987, 7–2–74, Cl. D23—62.

Boodt, Ernest W., to Universal Tank & Iron Works, Inc. Combined observation platform and storage tank. 231,084, 7–2–74, Cl. D23—2.

Boone, Philip. Unitary toilet-tissue holder and container mount. 232,606, 9–3–74, Cl. D6—91.

Boorum & Pease Co.: *See*—
Ivory, Henry B. 230,947.

Booth, Dwight A., to MDT Instrument Co. Control center support arm for dental chair. 233,990, 12–24–74, Cl. D24—1.

Born, John H. Scafford bracket. 229,822, 1–8–74, Cl. D8—236.

Borraccio, Robert J. Combined ski and ski pole rack. 232,886, 9–24–74, Cl. D6—114.

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Spydevold, Baard. 232,143.
Spydevold, Baard. 232,151.

Borsuk, Joseph, to Foxcraft Products Corp. Portable vehicle ramp. 232,020, 7–9–74, Cl. D12—53.

Bosch. Robert. GmbH: *See*—
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Slany, Hans E. 233,131.

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Bouldin, Kent W.: *See*—
Hoshall, Thomas C., and Bouldin. 233,089.

Bourhenne, Francis K. Coiled wire dispenser. 229,821, 1–8–74. Cl. D8—220.

Bourke, Robert E., to GAF Corp. Movie camera handle or similar article. 231,402, 4–16–74, Cl. D61—1.
Bourke, Robert E., to GAF Corp. Still camera or similar article. 233,367, 10–22–74, Cl. D61—1.
Bourns, Inc.: *See*—
Bruder, Frank J., and Steuer. 233,151.
Boursaw, Lloyd G. Tandem tricycle. 233,742, 11–26–74, Cl. D12—112.
Bowcut, Donal L. Pants. 231,155, 4–9–74, Cl. D2—28.
Bower, William M., to Bangor Punta Operations, Inc. Septic tank. 233,887, 12–10–74, Cl. D23—2.
Bowles, Samuel V. Transportable refuse container. 230,147, 1–29–74, Cl. D14—3.
Bowles, Samuel V. Transportable refuse container. 230,841, 3–19–74, Cl. D12—98.
Bowman, Jay D. Automatic animal watering apparatus. 230,035, 1–22–74, Cl. D30—16.
Bowman, Paul W.: *See*—
Preston, Frederick A., Bowman, and Harmon. 231,351.
Bowmar Instrument Corp.: *See*—
Fossella, Gregory F., Rhoads, and Hoffman. 233,440.
Bowser, John O., to Aluminum Co. of America. Floor beam. 233,746, 11–26–74, Cl. D13—1.
Box, Theodor M. Poultry transport case. 229,948. 1–15–74, Cl. D30—1.
Box, Theodor M. Plastic floor slat. 231,218, 4–9–74, Cl. D13—1.
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Boyd, J. Patrick, to Thuron Industries, Inc. Insect trap. 232,829, 9–17–74, Cl. D22—19.
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Van Wyngarden, Roger E., and Brackemyre. 233,916.
Bradbury, Charles, to Hawker Siddeley Aviation Ltd. Aircraft. 230,350, 2–12–74, Cl. D2—73.
Bradford, Eugenia. Place mat. 229,912, 1–15–74, Cl. D6—271.
Bradford, Eugenia. Place mat and napkin set. 229,913. 1–15–74, Cl. D6—271.
Bradford, Eugenia. Place mat. 229,915, 1–15–74. Cl. D6—271.
Brady, George V., to Kelsey-Hayes Co. Water closet. 233,837, 12–3–74, Cl. D23—67.
Brainerd, Andrew W., K. H., and S. W. Shoe cleaning-polishing device. 230,433, 2–19–74, Cl. D86—11.
Brainerd, Kent H.: *See*—
Brainerd, Andrew W., K. H., and S. W. 230,433.
Brainerd, Andrew W., K. H., and S. W. 231,036–231,041.
Brainerd, Stuart W.: *See*—
Brainerd, Andrew W., K. H., and S. W. 230,433.
Brainerd, Andrew W., K. H., and S. W. 231,036–231,041.
Braley, Mitchel R. Bridle bit. 231,621, 5–7–74, Cl. D30—21.
Brass, Robert. Educational geometry ring. 231,738, 6–4–74, Cl. D25—1.
Brass, Robert. Game wheel. 231,745, 6–4–74, Cl. D34—5.
Brass, Robert. Toy telephone box. 232,648, 9–3–74, Cl. D34—15.
Braun Aktiengesellschaft: *See*—
Greubel, Jurgen. 232,665.
Lubs, Dietrich. 233,419.
Braun, Louis G. Set of chess pieces. 231,476, 4–23–74, Cl. D34—5.
Braverman, Allen S., to Plastic Reel Corp. of America. Storage tray for a cassette and film strips. 232,394, 8–13–74, Cl. D87—1.
Bray, Freddie L.: *See*—
Bray, Judson R., and F. L. 233,603.
Bray, Judson R., and F. L. Fishing lure. 233,603, 11–12–74, Cl. D22—27.
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Krieger, John F., and Block. 231,889.
Brefka, Paul E., and P. A. Lanham, to Acro, Inc. Racket case. 231,151, 4–2–74, Cl. D87—1.
Brefka, Paul E., to Analog Devices, Inc. Digital panel meter. 233,909, 12–10–74, Cl. D52—6.
Breger, Carl A. Floor and carpet sweeper. 233,724, 11–26–74, Cl. D7—176.
Breger, Carl-Arne, to AB Ljungmans Verkstader. Gasoline pump. 232,969, 9–24–74, Cl. D52—2.
Breglia, Paul J. Condiment container. 231,306, 4–16–74, Cl. D7—52.
Brenneman, J. Edward, and R. S. Waters, to Schick Inc. Shaver. 232,395, 8–13–74, Cl. D95—3.
Breno, Philip J., D. N. Gray, R. K. Heyne, and R. W. Meyer, to Owens-Illinois, Inc. Toy lie detector or similar article. 233,773, 11–26–74, Cl. D34—15.
Bretos, Marcel G. Chaise lounge. 230,919, 3–26–74. Cl. D6—38.
Bretos, Marcel G. Arm chair. 230,925, 3–26–74, Cl. D6—70.
Briddell, Charles D. Oyster shucking knife. 229,739, 1–1–74, Cl. D7—150.
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Bridges, John A., and G. C. Degrow, to Aladdin Industries, Inc. Cafeteria service tray. 233,581, 11–12–74, Cl. D7—38.
Bridgestone Cycle Industry Co., Ltd.: *See*—
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Bridgestone Tire Co. Ltd.: *See*—
Ishibashi, Hiroshi. 231,732.
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Bright Star Industries, Inc.: *See*—
Amoroso, Nicholas A. 233,420.
Amoroso, Nicholas A. 233,421.
Amoroso, Nicholas A. 233,422.
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Brightbill, Keith E., to The Murray Ohio Mfg. Co. Juvenile vehicle. 230,755, 3–12–74, Cl. D34—15.
Brightbill, Keith E., to The Murray Ohio Mfg. Co. Velocipede. 231,004, 3–26–74, Cl. D34—15.
Brincks, Richard J., W. L. Fox, Jr., and H. S. Holc, to American Can Co. Container end. 233,137, 10–8–74, Cl. D9—255.
Brindley, Robert E., to Union Carbide Corp. Portable fluorescent lantern. 230,420, 2–19–74, Cl. D48—24.
Brindley, Robert E., to Union Carbide Corp. Flashlight. 233,908, 12–10–74, Cl. D48—24.
Bringas, C. Miguel. Calling card. 233,068, 10–1–74, Cl. D59—2.
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Britton, Billie C. Coin tossing gameboard target. 231,480, 4–23–74, Cl. D34—5.
Brockman, Anthony H. J., to Mizers Ltd. Vacuum machine primarily to be coupled to a tube terminating adjacent a particular producing hand tool. 231,308, 4–16–74, Cl. D7—166.
Brockman, George T., R. W. Kabat, and R. J. Lievens, to The Trane Co. Fan. 232,176, 7–23–74, Cl. D23—162.
Brody, Howard L., to General Foods Corp. Jar. 229,889, 1–15–74, Cl. D9—44.
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Brooks, Bertram, to Carolina Enterprises, Inc. One-piece pool having slide. 230,614, 3–5–74, Cl. D34—5.
Brooks, Bertram, to Carolina Enterprises, Inc. Pool. 230,749, 3–12–74, Cl. D34—5.
Brooks, Joe W., D. C. Waters, and P. J. Ciener. Display cabinet. 231,668, 5–21–74, Cl. D6—167.
Brooks, Paul E. Hair styling comb. 229,984, 1–15–74, Cl. D86—8.
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Schuster, Gordon L., and Brotherton. 229,957.
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Brotman, Morley, to Morley Studios. Military plaque or similar article. 233,242, 10–15–74, Cl. D29—23.
Broward County School Board, The: *See*—
Matteson, David S. 230,748.
Brown, C. Douglas. Building. 229,924, 1–15–74, Cl. D13—1.
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Brown, Dwight C. Golf tee holder and driver head protector. 232,568, 8–27–74, Cl. D34—5.
Brown, Eugene, to Barclay Industries, Inc. Shelving. 231,295, 4–16–74, Cl. D6—135.
Brown, Gertrude, T.: *See*—
Brown, Robert C., deceased. 232,259.
Brown, Jerome C.: *See*—
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Brown, John G.: *See*—
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Brown, Joyce E., to C.I.I., Inc. Supporting clip for flower pots or the like. 230,827, 3–19–74, Cl. D8—257.
Brown, Norman C., C. W., and N. R. Trailer hitch. 233,662. 11–19–74, Cl. D12—162.
Brown, Norman R.: *See*—
Brown, Norman C., C. W., and N. R. 233,662.
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Casey, Vincent R. 231,143.
Brown, Raymond C., to Superior Industries, Inc. Wheel. 232,632, 9–3–74, Cl. D12—209.
Brown, Richard E., to Twyco, Inc. Combined conductor jack and plug assembly. 230,155, 1–29–74, Cl. D26—1.
Brown, Robert B., to The Boeing Co. Airplane. 232,712, 9–10–74, Cl. D12—80.
Brown, Robert C., deceased, by G. T. Brown, R. C. Brown, and J. L. Grant, to Magni-Case, Inc. Eyeglass case or similar article. 232,259, 7–30–74, Cl. D57—1.
Brown, Robert, J. Kowalenski, P. Medwed, and J. Moughty, to Consolidated Foods Corp. Vacuum cleaner nozzle. 230,345, 2–12–74, Cl. D7—173.
Brown, Russell M. Detachable handle for a beverage can or the like. 232,614, 9–3–74, Cl. D7—70.
Brown, Thomas E., T. H. White, and R. M. Brotherton, to Rubbermaid Industrial Products Corp. Portable waste receptacle. 231,184, 4–9–74. Cl. D7—189.

Broyhill, Roy F. Mobile sprayer. 231,736, 6–4–74, Cl. D23—18.
Broyhill, Roy F. Dump body for small truck. 232,350, 8–13–74, Cl. D12—15.
Bruce, Peter. Anchor. 230,518, 2–26–74, Cl. D71—1.
Bruce Plastics, Inc.: *See*—
Baker, Morton H. 230,010.
Szabo, Bela G. 232,072.
Bruce, Robert A., to Corning Glass Works. Frame for continuous cooktop surface or the like. 230,812, 3–19–74, Cl. D7—121.
Bruce, Roger K., W. Marbold, and C. F. Adickes, to Sterigard Corp. Dispensing valve for a pressurized container. 230,576, 3–5–74, Cl. D9—258.
Bruce, William H. Mathematical teaching aid. 233,042, 10–1–74, Cl. D25—1.
Bruder, Frank J., and V. F. Steuer, to Bourns, Inc. Selectable fixed impedance device. 233,151, 10–8–74, Cl. D26—1.
Brudy, Peter E., and J. Smith; said Brudy assor. to Dominion Auto Accessories Ltd. Navigation lamp. 231,121, 4–2–74, Cl. D48—32.
Brudy, Peter E., to Dominion Auto Accessories Ltd. Combined bow and anchor lamp. 231,795, 6–11–74, Cl. D48—32.
Bruest Industries, Inc.: *See*—
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Bruhn, Larry C. Bumper attachment for vehicles. 231,919, 6–25–74, Cl. D12—167.
Brunel, Gaston. Bottle. 233,316. 10–22–74, Cl. D9—72.
Bruner, Peter M., to AMP Inc. Terminal contact. 233,438, 10–29–74, Cl. D26—1.
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Monet, John E., and Brunette. 233,199.
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Ferguson, Thomas K. 229,767.
MaKenny, Manley R., Duncan, Smith, and McDonald. 229,734.
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Miller, Earl E. 232,548.
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Miller, Earl E. 233,146.
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Bryan, Gladstone N. Staircase. 233,750, 11–26–74, Cl. D13—7.
Bryant, Delores. Belt. 231,053, 4–2–74, Cl. D2—380.
Bryant, Walter K., to Lucas, Joseph (Electrical) Ltd. Lamp for motorcycle or the like. 231,386, 4–16–74, Cl. D48—32.
Buan, Danilo P.: *See*—
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Buan, Danilo P., to Velo-Bind, Inc. Paper punch. 233,951, 12–17–74, Cl. D74—1.
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Buckner, Clair T., and B. J. Doll. 233,675, 11–19–74, Cl. D34—4.
Buck-Pitt, William H. Winged dwelling structure. 233,429, 10–29–74, Cl. D13—1.
Buddy L Corp.: *See*—
Salmon, Robert W., and Herstein. 230,411–415.
Budreau, Dell A., to Terra Thumb, Inc. Terrarium planting tool. 233,128 10–8–74. Cl. D8—51.
Bueckle, George F. Three-way dental syringe. 230,272, 2–5–74. Cl. D24—1.
Buell, Bruce A.: *See*—
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Bufton, Rodney D. Flower pot. 233,058, 10–1–74, D35—3.
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Hilliard, William A. 233,656.
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Burchette, Robert L., Jr. Yarn dye tube. 231,941, 6–25–74, Cl. D47—5.
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Burgess Vibrocrafters, Inc.: *See*—
Anderson, Douglas W., and E. A. 230,020.
Burgher, James F. Ring for holding a pair of socks or the like. 231,310, 4–16–74, Cl. D7—198.
Burkard, Eugene R. Suspensory support brief. 233,633, 11–19–74, Cl. D2—10.
Burkart, Jacob W., and J. F. Mayer, to General Mills Fun Group, Inc. Rotary amusement device. 233,899, 12–10–74, Cl. D34—5.
Burke, Edward A.: *See*—
Coker, Cliff J., and Burke. 230,613.
Burke, Jacob B., and Z. G. Rosen. Game board. 233,356, 10–22–74, Cl. D34—5.
Burke, John W.: *See*—
Gray, Bernard N., and Burke. 230,210.
Burke, Martin E., and L. L. Van Kirk. Finned motorcycle intake manifold. 232,975, 9–24–74, Cl. D77—1.
Burkett, David L. Purse. 232,130, 7–16–74, Cl. D87—3.
Burks, Nathaniel W., Jr.: *See*—
Lyons, Paul A., Burks, and Britt. 233,568.
Burn, Eldon L. Combined actuator and bracket for window closure. 233,133, 10–8–74, Cl. D8—153.
Burnley, Richard N. Display cover for an aquarium or similar article. 231,786, 6–11–74, Cl. D30—12.
Burnley, Richard N. Display cover for an aquarium or similar article. 231,787, 6–11–74, Cl. D30—12.
Burns, J. Neale. Jewelry finding. 233,945, 12–17–74, Cl. D45—195.
Burns, Richard H., to The Hobart Mfg. Co. Ticket dispenser. 231,631, 5–7–74, Cl. D52—2.
Burrell, Alfred A. Display stand. 232,406, 8–20–74, Cl. D6—189.
Burris Industries, Inc.: *See*—
Korch, Henning. 229,993.
Burroughs, Frank C. and J. R. Kles, to Owens-Corning Fiberglas Corp. Embossed plastic sheet material or similar article. 233,079, 10–1–74, Cl. D87—3.
Burton, John C., and E. P. Hayton, to Questor Corp. Cafe door hinge. 233,730. 11–26–74, Cl. D8—191.
Bush, James W., to Boy Scouts of America. Canteen. 231,432, 4–23–74, Cl. D9—175.
Busse, Eileen F. Hooded cape. 232,497, 8–27–74, Cl. D2—179.
Butcher, Ewen. Axle and fenders unit. 232,720, 9–10–74, Cl. D14—2.
Byerly, Robert M. Clamp for supporting pipes or the like. 233,733, 11–26–74, Cl. D8—235.
Byrne, David S., to Warner-Lambert Co. Eyedrop container. 230,568, 3–5–74, Cl. D9—2.
C.I.I., Inc.: *See*—
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C-O, Inc.: *See*—
Ollman, Malvin L. 230,265.
CTV Products, Inc.: *See*—
Gretz, Charles R. 233,949.
Caban, Leslie L. Key receptacle for an automotive vehicle. 230,899, 3–19–74, Cl. D87—1.
Cachero, Nicolas M., to Criadores Almacenistats Y Distribuidores de Jeres, S.A. Bottle. 233,216, 10–15–74, Cl. D9—111.
Cadenhead, R. Alton: *See*—
Bledsoe, D. Wayne, and Cadenhead. 232,320.
Cagan, Bernard J., to Plano Products Co. Board for a combined dart and pinball game. 231,627, 5–7–74, Cl. D34—5.
Caldwell, John W. Table frame. 231,888, 6–25–74, Cl. D6—192.
Caldwell, John W. Side frame for a chair or similar article. 232,795, 9–17–74, Cl. D6—192.
Caldwell, Roy. Paint stirring device. 231,419, 4–23–74, Cl. D4—6.
Calfee, Clifford T.: *See*—
May, George F., and Calfee. 232,634.
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Call, Giovanni. Wall plate. 232,346, 8–13–74, Cl. D8—188.
California Computer Products, Inc.: *See*—
Klassen, Fritz E. 231,253.
Klassen, Fritz E., and Stamford. 231,250.
Klassen, Fritz E., and Stamford. 231,251.
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Jones, Lawrence T., and Sims. 230,365.
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Klancke, John H. 233,757.
Cameron, Peter M. Scale. 232,659, 9–3–74, Cl. D52—6.
Cammarato, Joseph L. Hatchbatch camper. 231,215, 4–9–74, Cl. D12—156.
Camp, Edward E., and J. E. Camp. Hand stuffer or similar device. 230,629, 3–5–74, Cl. D55—1.
Camp, James Ed.: *See*—
Camp, Edward E. and J. E. 230,629.
Camp, Virgil C. Fountain. 233,989. 12–24–74, Cl. D23—13.
Campagnolo, Tullio. Derailleur. 231,518, 4–30–74, Cl. D12—124.
Campbell, Jerry L., and F. D. Gay, Jr., to Toran Corp. Pump. 229,783, 1–1–74, Cl. D65—1.
Campbell, John B., to The Procter & Gamble Co. Combined bottle and cap therefor. 231,083, 4–2–74, Cl. D9—44.
Campbell, John L., to Kelsey-Hayes Co. Combined water closet and lavatory. 233,149, 10–8–74, Cl. D23—49.
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Lohr, Raymond J., Auer, and Campbell. 232,181.
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Campbell, Laurie J., to Louis Marx & Co., Inc. Watchcase. 229,771, 1–1–74, Cl. D42—8.
Campbell, Laurie J., and R. J. Lohr, to Louis Marx & Co., Inc. Child's velocipede. 230,619, 3–5–74, Cl. D34—15.
Campbell, Laurie J., R. J. Lohr, and C. M. Kienholz, to Louis Marx & Co., Inc. Dice game board. 230,167, 1–29–74, Cl. D34—5.
Campbell, Laurie J., R. T. Auer, C. S. Cook, and R. J. Lohr, to Louis Marx & Co., Inc. Riding vehicle. 233,621, 11–12–74. Cl. D34—15.
Camposeo, Peter R. Badge. 232,441, 8–20–74, Cl. D29—2.

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Canfield, Alan B., to A. J. Canfield, Co. Bottle. 232,520, 8–27–74, Cl. D9—96.
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Kanitz, Emeric. 230,000.
Scherer, Nancy A. 232,509.
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Canon, Jack Y. Gun aiming device. 231,828, 6–18–74, Cl. D22—7.
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Capehart Corp.: *See—*
Levine, Robert. 230,386.
Levine, Robert. 231,174.
Levine, Robert. 231,175.
Levine, Robert. 231,815.
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Levine, Robert. 231,817.
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Levine, Robert. 232,503.
Levine, Robert. 232,889.
Levine, Robert. 233,105.
Cappadona, Thomas J. Combined confectionery stick and drink stirrer. 232,330, 8–13–74, Cl. D1—99.
Capsule Communications, Inc.: *See—*
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Caputo, Mario A., and H. A. Valenta. Jewelry finding. 232,319, 8–6–74, Cl. D45—19.
Caputo, Mario A., and H. A. Valenta. Jewelry finding. 233,775, 11–26–74, Cl. D45—19.
Carder, Everett D. Slide cover for electrical connections. 231,534, 4–30–74, Cl. D26—5.
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Jung, Arthur, and Hornschu. 232,479.
Carlson, John A., and T. M. Tigard, to Conchemco, Inc. Caliper brake assembly. 232,823, 9–17–74, Cl. D12—179.
Carlson, Phillip H., and L. E. Erickson, to International Telephone and Telegraph Corp. Projectile for a game. 232,649, 9–3–74, Cl. D34—15.
Carlson, William B. Fishing rod bandle. 230,975, 3–26–74, Cl. D22—23.
Carlsson, Arne, to Edsebyns Industri Aktiebolag. Saw handle. 231,076, 4–2–74, Cl. D8—97.
Carnahan, John T., to Koehring Co. Articulated vibratory roller. 231,481, 4–23–74, Cl. D40—5.
Carney, John F., to Morton-Norwich Products, Inc. Urethral dilator-catheter or similar article. 230,523, 2–26–74, Cl. D83—12.
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De Luca, Paul V., and Carney. 230,738.
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Carpenter, Herbert R., to Seaquist Valve Co. Combined overcap and button actuator for a pressurized container. 230,831, 3–19–74. Cl. D9—258.
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Hoyle, Walter W., and Tobin. 230,153.
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Carroll, Clifford F. Paper towel holder. 229,775, 1–1–74, Cl. D52—2.
Carroll, Clifford F. Paper towel holder. 230,627, 3–5–74, Cl. D52—2.
Carroll, John W., to Digital Equipment Corp. Digital computer. 229,830, 1–8–74, Cl. D26—5.
Carroll, Lucille J. Gameboard. 231,378, 4–16–74, Cl. D34—5.
Carroll, William M. Protective ferrule for cooking vessel handles. 233,000, 10–1–74, Cl. D7—129.
Carsello, Anthony, to Dream Flo Systems, Inc. Liquid concentrate and water mixing and dispensing spray gun. 231,782, 6–11–74. Cl. D23—18.
Carter, Donald J., ½ to Frank Esposito. Bowling glove. 230,913, 3–26–74, Cl. D2—361.
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Carter, Howard B., to Rosedale Plastics (Containers) Ltd. Traffic marker. 229 784. 1–1–74. Cl. D72—1.
Carter, Proctor N. Fish holder. 231,611, 5–7–74. Cl. D22—30.
Carter, Roland P., to The Lane Co., Inc. Night stand. 231,170. 4–9–74, Cl. D6—160.
Carter, Roland P., to The Lane Co., Inc. Triple dresser. 231,172, 4–9–74, Cl. D6—164.
Carter, Ronald D., to Stanley Works (Great Britain) Ltd. Plane. 231,077, 4–2–74, Cl. D8—101.
Carter, Ronald D., to Stanley Tools Ltd. Measuring rule. 231,486, 4–23–74, Cl. D52—1.
Carter, Ronald D., to Stanley Works (Great Britain) Ltd. Plane. 231,822, 6–18–74, Cl. D8—101.
Carter, Roland P., to The Lane Co., Inc. Bed headboard. 231,881, 6–25–74, Cl. D6—79.
Carthage Cup Co.: *See—*
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Carvel Corp.: *See—*
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Case, Stanley E., S. K. Bright, and W. F. Dalton, to Xerox Corp. Copying machine. 231,127, 4–2–74, Cl. D61—1.
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Case, Stanley E., S. K. Bright, and W. F. Dalton, to Xerox Corp. Copying machine. 231,129, 4–2–74, Cl. D61—1.
Case, Stanley E., S. K. Bright, M. J. D. Morgan, and W. F. Dalton, to Xerox Corp. Copying machine. 231,564, 4–30–74, Cl. D61—1.
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Casey, Frank J. Hexagonal billiard-type table. 232,950, 9–24–74, Cl. D34—3.
Casey, Len. Training device for bowling alley. 232,315, 8–6–74, Cl. D34—5.
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Casselli, Aveo J., and F. A. Ferraro, to Warner-Lambert Co. Combined packaging and dispensing tray for razor blade cartridges. 231,197, 4–9–74, Cl. D9—187.
Casselli, Aveo J., and F. A. Ferraro, to Warner-Lambert Co. Combined packaging and dispensing tray for razor blade cartridges. 231,198, 4–9–74, Cl. D9—189.
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Castanis, George. Peg board puzzle. 233,901, 12–10–74, Cl. D34—15.
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Avrich, Charles. 230,910.
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Conroy, William E., Derby, Hosoda, and Salzman. 230,620.
Conroy, William E., Derby, Hosoda, and Salzman. 230,621.
Conroy, William E., Derby, Hosoda, and Salzman. 230,622.
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Cates, Gaye G. Portable shampoo tray. 232,269, 7–30–74, Cl. D86—10.
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Cauquis, Roger. Fishing lure. 232,235, 7–30–74, Cl. D22—27.
Caveney, Jack E., to Panduit Corp. Combined packaging and display container. 232,525, 8–27–74, Cl. D9—224.
Cayler, Bradley J. Moon ball. 232,250. 7–30–74. Cl. D34—15.
Ceniceros, Robert C. Oral hygiene device. 229,903, 1–15–74, Cl. D4—24.
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Martin, Raymond D., Jr. 230,718.
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Chaim, Amos R. Reclining chair. 230,924. 3–26–74, Cl. D6—65.
Chalabian, Jack S., to K-Jack Engineering Co., Inc. Newspaper vending machine. 231,015, 3–26–74, Cl. D52—3.
Chambers, Joseph W., Sr., to Atomic Disposer Corp. Shredder. 233,364, 10–22–74, Cl. D55—1.
Chan, Anthony P. H., and H. J. Hall, to Syntex (U.S.A.) Inc. X-ray diffractometer housing. 233,177, 10–8–74, Cl. D83—1.
Chan, Norman, to A.C. International Corp. Mandarin chess board. 232,952. 9–24–74. Cl. D34—5.
Channing, Harry M., and B. J. Elzer, to General Battery Corp. Label for battery. 233,336, 10–22–74, Cl. D19—13.
Chapin, Richard M., to Dolly Madison Industries. Furniture panel or the like. 231,066, 4–2–74, Cl. D6—193.
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Chapin, Richard M. Furniture drawer front or the like. 232,291. 8–6–74. D6—193.
Chapin, Richard M. Furniture panel or the like. 232,292, 8–6–74, Cl. D6—193.
Charlesworth, David V., and J. Grey, to Clark & Smith Mfg. Co. Ltd. Magnetic tape player. 233,841, 12–3–74, Cl. D26—14.

Charter Industries, Inc.: *See—*
Howard, Thomas C. 230,264.
Chartier, Guy N., to Guy-Chart Tools Ltd. Coupling for chain and finger hook. 231,768, 6–11–74, Cl. D8—252.
Chaudoir, Roderick J., to Hatco Corp. Food warmer. 230,072, 1–22–74, Cl. D55—1.
Chaumont, Guy-Noel, to Dayco Corp. Endless track. 230,417, 2–19–74, Cl. D40—5.
Chavez, Jesus L. G. Milk crate. 233,021, 10–1–74, Cl. D9—177.
Chavez, Jose J. C. Toy dog. 230,999, 3–26–74, Cl. D34—2.
Cheek, Joel A., to Universal Enterprises, Inc. Combined phonograph record and tape cartridge storage rack. 232,507, 8–27–74, Cl. D6—189.
Cheladze, George A., to Carthage Cup Co. Compartmented place. 232,613, 9–3–74, Cl. D7—1.
Cheladze, George A. Dinner plate or similar article. 233,298, 10–22–74. Cl. D7—36.
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Fenic John G., Kime, Raridan, and Viemeister. 232,191.
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Chen, Paul E., J. C. Manganello, and G. E. Sylvester, to Bell Telephone Laboratories, Inc. Ornamental design for a building. 233,519, 11–5–74, Cl. D13—1.
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Chipman, Richmond L., Jr., to The Alsten Co. Jewelry box or similar article. 230,012, 1–22–74, Cl. D9—235.
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Chrisler, Tanner S. Display case divider. 230,445, 2–26–74, Cl. D6—85.
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Christian, Daniel H., and G. L. Payne, to International Telephone and Telegraph Corp. Lightweight headset. 233,444, 10–29–74, Cl. D26—14.
Christian, Hubert E., and D. W. Lee, to Dart Industries, Inc. Nestable plate. 232,293. 8–6–74. Cl. D7—1.
Christian, Hubert E., and D. W. Lee, to Dart Industries Inc. Divided plate. 232,294. 8–6–74, Cl. D7—27.
Christian, Hubert E., and D. W. Lee, to Dart Industries, Inc. Nestable bowl. 232,612, 9–3–74, Cl. D7—1.
Christian, Hubert E., and D. W. Lee., to Dart Industries Inc. Plate cover. 233,115, 10–8–74, Cl. D7—40.
Christian, Hubert E., and D. W. Lee, to Dart Industries, Inc. Plastic fork. 233,721, 11–26–74. Cl. D7—138.
Christian, Hubert E., and D. W. Lee, to Dart Industries, Inc. Plastic spoon. 233,017. 12–31–74 Cl. D7—138.
Christiansen, Godtfred K., to Interlego, A.G. Connecting member for a toy figure. 231,546, 4–30–74, Cl. D34—15.
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Christiansen, Godtfred K., to Interlego, A.G. Base plate for a toy figure. 231,548, 4–30–74, Cl. D34—15.
Christiansen, Godtfred K., to Interlego, A.G. Base plate with joint for a toy figure. 231,549, 4–30–74, Cl. D34—15.
Christiansen, Godtfred K., to Interlego, A.G. Joint for a toy figure. 231,705. 5–28–74, Cl. D34—15.
Christiansen, Godtfred K., to Interlego, A.G. Connecting member for a toy figure. 231,706, 5–28–74, Cl. D34—15.
Christiansen, Godtfred K., to A. G. Interlago. Joint for a toy figure. 233,456, 10–29–74. Cl. D34—15.
Christiansen, Godtfred K., to Interlego A.G. Toy assembly element. 233,541. 11–5–74. Cl. D34—15.
Christiansen, Godtfred K., to Interlego A.G. Toy assembly element. 233,542. 11–5–74. Cl. D34—15.
Christiansen, Godtfred K., to Interlego A.G. Toy assembly element. 233,543, 11–5–74, Cl. D34—15.
Christiansen, Godtfred K., to Interlego A.G. Toy assembly element. 233,680, 11–19–74, Cl. D34—15.
Christiansen, John J., to American Orthodontics Corp. Button or the like. 232,061, 7–16–74, Cl. D2—436.
Christiansen, Niels K. J. Shipping container for microscopic slides or the like. 231,641, 5–7–74, Cl. D87—1.
Christiansen, Niels K. J. Shipping container for microscopic slides or the like. 231,642, 5–7–74, Cl. D87—1.
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Christoffel, Julius M., Jr., to Gayla Industries, Inc. Delta wing inflatable kite. 231,245. 4–9–74, Cl. D34—15.
Christoffel, Julius M., Jr., to Gayla Industries, Inc. Kite. 233,544, 11–5–74, Cl. D34—15.
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Cinque, Alphone P. Television enlargement-display unit. 233,798. 11–26–74, Cl. D61—1.
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Ckola, John L. Beverage bottle. 230,256, 2–5–74, Cl. D9—102.
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Cognata, Larry M., to The Murray Ohio Mfg. Co. Combined housing, deflector and motor shroud arrangement for a rotary lawnmower. 232,117, 7-16-74, Cl. D40—1.
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Cohen, Maurice. Article holder for a display rack. 230,449, 2-26-74, Cl. D6—194.
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Cohen, William J. Sport shoe. 230,440, 2-26-74, Cl. D2—279.
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Commisso, Nicholas D., to Mobil Oil Corp. Bowl cover or the like. 230,574, 3-5-74, Cl. D9—254.
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Corderman, Allan B., and P. B. Flagler. Motion picture/slide projector console. 234,010, 12-24-74, Cl. D61—1.
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Dankert, Roger W., and W. R., to Rodan Industries, Inc. Temperature regulator. 232,217, 7–30–74, Cl. D10—50.
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Feldman, Joseph M., and R. S. Vasquez, to The Feldman Co. Lighting fixture. 233,060, 10–1–74, Cl. D48—3.
Feldman, Raymond J., to SOS Consolidated, Inc. Adjustable step-down transformer for use in electrical measuring. 229,941, 1–15–74, Cl. D26—1.
Feldmann, Frederick J.: *See*— Wachter, Vincent C., Keller, and Feldmann. 230,303.
Felege, William R.: *See*— Tuschak, Bernard J., Felege, and Lepselter. 231,843.
Fellows, Fred R. Knife. 230,562, 3–5–74, Cl. D8—99.
Felske, Arthur M., to General Electric Co. Clock or similar article. 229,961, 1–15–74, Cl. D42—7.
Felske, Arthur M., to General Electric Co. Clock or similar article. 232,423, 8–20–74, Cl. D10—25.
Felske, Arthur M., to General Electric Co. Clock or similar article. 232,424, 8–20–74, Cl. D10—28.
Fenar, Olga A. Floating swimming pool toy. 231,545, 4–30–74, Cl. D34—15.
Fender, Gary L. Dental floss holder. 232,096, 7–16–74, Cl. D24—1.
Fenic, John G., D. L. Kime, W. C. Raridan, and R. C. Viemeister, to Chemineer, Inc. Right angle drive and pedestal. 232,190, 7–23–74, Cl. D55—1.
Fenic, John G., D. L. Kime, W. C. Raridan, and R. C. Viemeister, to Chemineer, Inc. Right angle drive. 232,191, 7–23–74, Cl. D55—1.
Fenic, John G., D. L. Kime, W. C. Raridan, and R. C. Viemeister, to Chemineer, Inc. Right angle drive and pedestal. 232,581, 8–27–74, Cl. D55—1.
Ferber, Martin. Key holder. 231,870, 6–18–74, Cl. D87—8.
Ferguerer, Ronald D.: *See*— Black, Homer B., and Ferderer. 233,061.
Ferguson, Thomas K., to Brunswick Corp. Golf bag divider. 229,767, 1–1–74. Cl. D34—5.
Ferlat, Boris: *See*— Kogoj, Oscar, and Ferlat. 230,444.
Fernandes, Joaquim: *See*— Sendra, Jose F., and Fernandes. 231,734.
Fernandez, Mario F., B. J. Rubin, and R. A. Thorud, to The Toro Co. Upper handle member for lawn mowers and the like. 232,651, 9–3–74, Cl. D40—1.
Ferrara, Joseph A. Tumbler for gem stones. 233,853, 12–3–74, Cl. D55—1.
Ferraro, Frank A.: *See*— Casselli, Aveo J., and Ferraro. 231,197. Casselli, Aveo J., and Ferraro. 231,198.
Ferrero, P., & C. S.p.A.: *See*— Doglliotti, Amilcare. 233,019.
Fettel, Bruce E., and G. M. Johnson. Shiley Laboratories, Inc. Pediatric tracheostomy tube. 232,268, 7–30–74, Cl. D83—1.
Fettel, Bruce E., and S. Burd, to Shiley Laboratories, Inc. Swivel connector for medical administration equipment. 233,845, 12–3–74, Cl. D32—1.
Feuer, Perry, to Yuletide Enterprises, Inc. Sparkler toy. 232,960, 9–24–74, Cl. D34—15.
Fiat Societa per Azioni: *See*— Boano, Gianpaolo. 230,501. Boano, Gian P. 230,577. Boano, Gianpaolo. 230,579. Boano, Gianpaolo. 231,672. Boano, Gian P. 231,915.
Fibus, Murray M., to Steel City Corp. Mailbox. 231,636, 5–7–74, Cl. D74—9.
Fidelity Electronics, Ltd.: *See*— Samole, Sidney. 231,538.
Fields, Earl C. Shoe stilt. 231,379, 4–16–74, Cl. D34—14.
Fields, Irvin L. Toy airplane. 230,290, 2–5–74, Cl. D34—15.
Fiene, Gilbert W., Jr., G. L. Protenic. Toy hoop roller. 232,955, 9–24–74, Cl. D34—5.
Fienl, Walter, to Societe Anonyme Francais du Ferodo. Ash tray. 231,715, 5–28–74, Cl. D85—2.
50% to Fischer, Jerome J.: *See*— Eckstein, Roman A. 229,796.
Figur, Bernd, to Rowenta-Werke GmbH. Cigarette lighter. 233,905, 12–10–74, Cl. D48—27.
Fila, Gregory P. Sun dome. 233,371, 10–22–74, Cl. D83—1.
Filson, John R., to Minnesota Mining and Mfg. Co. Combined wire and stud gauge. 230,765, 3–12–74, Cl. D52—6.
Fimball, Raymond F., to Eubanks Engineering Co. Coil winder. 232,323. 8–6–74. D55—1.
Finberg, Raymond H., R. B. Edelson, and R. E. DeSisto, to Proctor-Silex Inc. Rug-contacting grill for a vacuum cleaner nozzle or the like. 229,884, 1–15–74. Cl. D7—170.
Findlay, James R., and J. C. Lower. Soap dispenser. 233,197, 10–15–74, Cl. D6—95.
Finegan, Jack R., and J. K. Wasenko, to General Motors Corp. Automobile. 233,222, 10–15–74, Cl. D12—91.
Fingel, Hans A. Locating stop for work to be machined or the like. 231,663, 5–14–74, Cl. D54—13.
Fingerhut Corp.: *See*— DeBrey, Robert J. 234,018. Meiser, Milton L., and Eriksen. 232,511.
Fink, Arthur A.: *See*— Padilla, Dominick, and Fink. 232,737.
Fink, David H., to Windsor Industries Inc. Portable radio. 230,887, 3–19–74, Cl. D56—4.
Fink, Morris, to Windsor Industries, Inc. Radio. 230,888. 3–19–74. Cl. D56—4.
Fink, Morris. Radio. 233,067, 10–1–74, Cl. D56—4.
Fink, Robert N.: *See*— Sturrock, James C. 233,670. Wiklund, Edgard R., Fink, Jamgochian, and Lee. 230,606.
Finka, Arthur A., and D. W. Horn, to Orion Industries, Inc. Antenna mount. 231,536, 4–30–74, Cl. D26—14.
Finkel, Edward, to JFD Electronics Corp. Antenna housing. 229,832, 1–8–74, Cl. D26—14.
Finkel, Henry, to W. L. Plastics and Metal Producers Co., Ltd. Paper clip container. 231,271, 4–9–74, Cl. D74—5.
Finkel, Henry, to The T. Eaton Co. Ltd. Calculator housing. 233,799, 11–26–74, Cl. D26—5.
Finlay, George E.: *See*— Jepsen, Charles F., Finlay, and Dunbrack. 231,457.
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Finn, Frederick W., assignor of a fractional part interest to Robert G. Wilson. Detachable handle for a beverage can or the like. 233,118, 10–8–74, Cl. D7—70.
Finnerty, Robert P. Paint brushes. 230,667, 3–12–74, Cl. D4—38.
Firdmann, Jacques, to Etablissements Allibert. Hand grip for installation above bath tubs. 230,794, 3–19–74, Cl. D6—86.

Firmin, James H., to Capsule Communications, Inc. News and advertising information display sign. 233,084, 10–1–74, Cl. D96—12.
Fischer, Kenneth J. Mirror frame for trucks or the like. 232,084, 7–16–74, Cl. D12—187.
Fischer, Kenneth F., to Acme Metal Goods Mfg. Co. Food grater. 233,204, 10–15–74, Cl. D7—47.
Fischer, Obed. Shelf with telephone receiver support. 232,285, 8–6–74, Cl. D6—136.
Fisher, Morris F., to Mohasco Industries, Inc. Chair. 230,920, 3–26–74, Cl. D6—39.
Fisher, Morris F., to Jackson Chair Co., Inc. Chair. 233,093. 10–8–74, Cl. D6—71.
Fisher, Morris F., to Jackson Chair Co., Inc. Sofa. 233,192, 10–15–74, Cl. D6—63.
Fisher, Morris F., to Jackson Chair Co., Inc. Chair. 233,193, 10–15–74, Cl. D6—69.
Fisher, Morris F., to Jackson Chair Co., Inc. Chair. 233,194, 10–15–74, Cl. D6—71.
Fisher, Morris F., to Futorian Corp. Chair. 233,280, 10–22–74, Cl. D6—39.
Fisher, Morris F., to Futorian Corp. Chair. 233,282, 10–22–74., Cl. D6—39.
Fisher, Morris F., to Jackson Chair Co., Inc. Chair. 233,286, 10–22–74, Cl. D6—71.
Fistler, Howard A., and R. A. Hollingsworth, to HFCO. Snowmobile tool. 230,127, 1–29–74, Cl. D8—26.
Fitzgerald, Timothy P., and W. O. Nix, to Image Systems, Inc. Microfiche camera. 230,196, 1–29–74, Cl. D61—1.
Fitzpatrick, Donald L. Flexible fishing lure. 229,933, 1–15–74, Cl. D22—27.
Fitzpatrick, John J. Lifting jack. 231,338, 4–16–74, Cl. D12—55.
Fitzpatrick, William E., and T. F. Gary, to Rapid-American Corp. Dispensing container. 232,082, 7–16–74, Cl. D9—224.
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Flieder, Robert A., and J. T. Aneshansley, to Berkey Photo, Inc. Color light mixer for a photographic enlarger. 230,197, 1–29–74, Cl. D61—1.
Flinner, Vaughn D.: *See*—
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Fogel, Joel D. Automatic drink dispenser. 230,902, 3–19–74, Cl. D94—3.
Fogg, Walter K. Sewing guide attachable to a sewing machine. 232,487, 8–20–74, Cl. D70—2.
Foley, Charles F. Molded hand held paddle for batting foam balls. 233,355, 10–22–74, Cl. D34—5.
Foley, Dennis J., and R. A. Gilmore, to Design Properties, Inc. Highway communications standard. 233,566, 11–5–74, Cl. D72—1.
Folson, Henry J.: *See*—
Forssell, Dag C. G., and Folson. 233,600.
Foltz, Carl L., to Concept, Inc. Powered kirschner wire drill. 232,620, 9–3–74, Cl. D8—68.
Foote, Daniel J., to Master Lock Co. Hasp staple. 230,565, 3–5–74, Cl. D8—137.
Foote, Daniel J., to Master Lock Co. Clamp for a looped cable end. 230,825, 3–19–74, Cl. D8—110.
Forchemer, Herbert C. Cart body for pressure washing apparatus. 232,708, 9–10–74, Cl. D12—34.
Ford, James A., to Kirsch Co. Shelf spindle. 232,144, 7–23–74, Cl. D6—195.
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Forrester, Joseph H. Chest of drawers or similar article. 232,287, 8–6–74, Cl. D6—152.
Forssell, Dag C. G., and H. J. Folson, to Vector Co. Pontoon boat. 233,600, 11–12–74, Cl. D12—62.
Forsythe, Donald L., and J. U. Brown, to The National Cash Register Co. Accounting machine or similar article. 230,375, 2–12–74, Cl. D64—1.
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Fortune, William S. Desoldering implement or the like. 230,816, 3–19–74, Cl. D8—30.
Fortune, William S. Air blowing-vacuuming implement or the like. 230,820, 3–19–74, Cl. D8—51.
Fortune, William S. Strand materials dispenser or the like. 231,199, 4–9–74, Cl. D9—193.
Fosher, Donald H. Foldable pouring receptacle. 232,017, 7–9–74, Cl. D9—175.
Fossella, Gregory F., to Dennison Mfg. Co. Fastener attacher. 230,419, 2–19–74, Cl. D3—19.
Fossella, Gregory, to Jet Spray Cooler, Inc. Beverage dispenser. 231,808, 6–11–74, Cl. D94—3.
Fossella, Gregory F., P. K. Rhoads, L. R. Hoffman, A. R. MacLeod, and J. W. Forrest, to Bowmar Instrument Corp. Calculator. 233,440, 10–29–74, Cl. D26—5.
Fossella, Gregory F., and P. K. Rhoads, to American Optical Corp. Microscope laser. 233,610, 11–12–74, Cl. D26—14.1.
Foster Grant Co., Inc.: *See*—
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France, George E. Hanger rod for a poultry cage support beam or similar article. 231,240, 4–9–74, Cl. D30—4.
France, George E. Agribuilding cooling pad plenum. 232,310, 8–6–74, Cl. D23—139.
Francis, John P. Tail engaged dog control harness. 230,036, 1–22–74, Cl. D30—38.
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Franklin, Lester K., deceased, by M. P. Franklin. Clock-radio. 232,765, 9–10–74, Cl. D56—4.
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Franklin, Lester K., and M. P. 232,765.
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Fraser, Hugh B., and G. S. Roush, to Phillips Petroleum Co. Bakery tray or the like. 233,268, 10–15–74, Cl. D87—1.
Frasier, Gerald W., to Rain Jet Corp. Shower head. 231,829, 6–18–74, Cl. D23—35.
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Offredi, Giovanni. 233,923.
Frattini, Gianfranco. Handle for doors and windows. 231,725, 6–4–74, Cl. D8—162.
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Freed, Marvin J. Screw driver with wire stripper. 232,300, 8–6–74, Cl. D8—87.
Freeman, Spencer. Ornament for personal wear. 233,464, 10–29–74, Cl. D45—17.
Freiling, Paul E., and J. E. Smith. Stake. 230,218, 1–29–74, Cl. D88—3.
French, Alan, and J. Machado, to Avid Corp. Passenger control box. 232,946, 9–24–74, Cl. D26—13.
Frey, Jack L. Fireman's multiple purpose hand tool. 233,405. 10–29–74, Cl. D8—76.
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Frick, Berndt E. Cabinet for a teleprinter or the like. 232,002, 7–2–74, Cl. D64—11.
Frick, Berndt E. Cabinet for a teleprinter or the like. 232,003, 7–2–74, Cl. D64—11.
Frick, Berndt E. Cabinet for a teleprinter or the like. 232,055, 7–9–74, Cl. D64—11.
Frick, Berndt E. Sound reducing cover for a typewriter, teleprinter or the like. 233,564, 11–5–74, Cl. D64—11.
Frick, Berndt E. Sound reducing cover for typewriter, teleprinter or the like. 233,565, 11–5–74, Cl. D64—11.
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Friedel, Steven S. Clock. 233,027, 10–1–74, Cl. D10—25.
Friederich, Paul C., and E. J. Cramazou. Wall block. 230,846, 3–19–74, Cl. D18—2.
Friedman, Aaron I. Self deposit receptacle for banks. 231,133, 4–2–74, Cl. D69—1.
Friedman, Bernard. Aerial saucer toy. 230,364, 2–12–74, Cl. D34—15.
Friedman, Bernard. Flying saucer toy. 231,851, 6–18–74, Cl. D34—15.
Friedman, Harvey L. Wall mountable bracket. 233,385, 10–29–74, Cl. D6—114.
Friedman, Paul, and M. Udelson, to Brite Industries Inc. End attachment for leather watch straps. 233,774, 11–26–74, Cl. D45—4.
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Goldfarb, Adolph E., Everitt, Chesley, and Friedrich. 230,173.
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Frisch, Natalie A., and H. J. Vallis. Cleated attachment for street shoes. 232,147, 7–23–74, Cl. D2—317.
Fritsche, Christina, to Cincinnati Milacron, Inc. Angel ornament. 230,161, 1–29–74, Cl. D29—1.
Fritsche, Christina, to Cincinnati Milacron Inc. Star ornament. 230,162, 1–29–74, Cl. D29—1.
Froehlke, Albert R. Eaves trough cleaning device. 230,152, 1–29–74. Cl. D23—34.
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Frost, Charles W. Water pipe. 230,775, 3–12–74, Cl. D85—8.
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Fry, James C., to Rubbermaid Inc. Car wastebasket support. 232,821, 9–17–74, Cl. D12—155.
Fry, James C., to Rubbermaid Inc. Combined car wastebasket and accessory holder. 232,870, 9–17–74, Cl. D87—1.
Fry, James C., to Rubbermaid Inc. Toilet bowl brush holder. 233,196, 10–15–74, Cl. D6—85.
Frydman, Georges. Desk. 233,291, 10–22–74, Cl. D6—161.
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Fujinami, Sadao, Orient Tokei Kabushiki Kaisha, a/t/a Orient Watch Co., Ltd. Combined dial plate and ring for a timepiece face. 232,221, 7–30–74, Cl. D10—123.
Fujishima, Ichiro, to Kabushiki Kaisha Suwa Seikosha. Electric shaver. 231,809, 6–11–74, Cl. D95—3.
Fujita, Ryuzo, to Ryujin Co., Ltd. Radio receiver. 231,401, 4–16–74, Cl. D56—4.
Fujiwara, Tomio, to Matsushita Electric Industrial Co., Ltd. Radio receiver. 231,753, 6–4–74, Cl. D56—4.
Fukuda, Masahiro, to Fuji Photo Film Co., Ltd. Motion picture camera. 232,483, 8–20–74, Cl. D61—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for an horologe. 230,047 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,048, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,049, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,050, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,051, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,052, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,053, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,054, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,055, 1–22–74, Cl. D42—1.
Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,056, 1–22–74, Cl. D42—1.
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Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,059, 1–22–74, Cl. D42—1.
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Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Ttime-indicating face for a horologe. 230,062, 1–22–74, Cl. D42—1.
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Fukumoto, Shigeru, to Kabushiki Kaisha Suncrux Research Office. Time-indicating face for a horologe. 230,064, 1–22–74, Cl. D42—1.
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Fukushima, Susumu, and W. H. Korte, to Tasco-Sales, Inc. Collimating device for telescopic sights or similar article. 230,195, 1–29–74, Cl. D57—1.
Fuller, Henry E., to Parke, Davis & Co. Electrocardiograph. 230,211, 1–29–74, Cl. D83—1.
Fulton, Howard A., V. D. Flinner, R. W. Sprang, and D. D. Zody, to Mansfield Sanitary Inc. Portable, self-contained toilet. 231,458, 4–23–74, Cl. D23—48.
Funahashi, Takaji. Stamper. 231,027, 3–26–74, Cl. D64—10.
Funahashi, Takaji. Circular stamp. 231,028, 3–26–74, Cl. D64—10.
Funahashi, Takaji. Combined dating stamp and stand therefor. 232,001, 7–2–74, Cl. D64—10.
Funahashi, Takaji. Pocket hand stamp. 232,485, 8–20–74, Cl. D64—10.
Funahashi, Takaji. Stamp case. 232,678, 9–10–74, Cl. D6—130.
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Gass, Philip A. Support stand for a hanging seat or similar article. 230,109, 1–29–74, Cl. D6—27.

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Geisler, Robert C. Carrier for solid objects, including blocks of salt and the like. 231,427, 4–23–74, Cl. D8—51.

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Gentry, Bobby C., and J. O. Lowery. Tape folder. 230,504, 2–26–74, Cl. D54—4.

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Gibson, Robert G., to Crane Cams Inc. Combined packaging and display container for automotive cams. 232,161, 7–23–74, Cl. D9—185.

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Gill, Ricardo A., to Flamagas S.A. Head of lighter. 233,527, 11–5–74, Cl. D27—36.

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Glaberson, Martin, to Warner-Lambert Co. Safety razor. 229,876, 1–8–74, Cl. D95—3.

Glaberson, Martin, and G. L. Schick, to Warner-Lambert Co. Razor handle. 230,219, 1–29–74, Cl. D95—3.

Glaberson, Martin, and G. L. Schick, to Warner-Lamber Co. Razor handle. 230,220, 1–29–74, Cl. D95—3.

Glaberson, Martin, and G. L. Schick, to Warner-Lambert Co. Razor handle. 230,221, 1–29–74, Cl. D95—3.

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Glaberson, Martin, to Warner-Lambert Co. Razor handle. 230,223, 1–29–74, Cl. D95—3.

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Glaberson, Martin, and R. J. Gould, to Warner-Lambert Co. Razor blade dispenser. 231,202, 4–9–74, Cl. D9—224.

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Glasbrenner, Louis K. Freeway commercial center. 231,778, 6–11–74, Cl. D13—1.

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Glaser, Milton, to Fort Howard Paper Co. Paper toweling. 230,771, 3–12–74, Cl. D59—2.

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Glover, William H., G. E. Schmidt, Jr., and K. J. Donnelly, to R. J. Reynolds, Tobacco Co. Low-profile counter display stand for cigarette packages. 232,335. 8–13–74, Cl. D6—181.

Gluck, Daniel, to Columbia Broadcasting System, Inc. Retractable knife. 230,823. 3–19–74, Cl. D8—99.

Goans, Leroy. Golf teaching aid. 229,843. 1–8–74. Cl. D34—5.

Goble, Ralph W., and K. R. Hackett, to Sontrix, Inc. Ultrasonic intrusion alarm. 233,931, 12–17–74, Cl. D10—106.

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Golay, Gilbert, to Tousdiamants S.A. Jewelry stone. 232,654, 9–3–74, Cl. D45—1.

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Goldfarb, Adolph E., D. K. Everitt, R. F. Chesley, and R. D. Frierdich, to Mattel, Inc. Figure toy vehicle. 230,172, 1–29–74, Cl. D34—15.
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Goldfeder, Melvin A., to Swank, Inc. Automatic necktie rack, or similar article. 229,909, 1–15–74, Cl. D6—117.
Goldman, Edward J., to Technology Associates, Inc. Disposable bibs or similar article. 233,275, 10–22–74, Cl. D2—226.
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Goldman, Marvin A., and J. N. Goldman, to Penn Plax Plastics, Inc. Twin compartment animal feeding bowl. 230,033, 1–22–74, Cl. D30—16.
Goldman, Marvin A., and J. N. Goldman, to Penn Plax Plastics, Inc. Animal feeding bowl. 230,034, 1–22–74, Cl. D30—16.
Goldring, John E., to Agro International. Watering device for potted plants. 231,383, 4–16–74, Cl. D35—3.
Goldring, John E., to Agro International. Watering device and water feed device. 231,416, 4–16–74, Cl. D35—3.
Goldsmith, Howard G., to Todd Enterprises, Inc. Portable toilet. 232,636, 9–3–74, Cl. D23—48.
Goldsmith, Howard G., to Todd Enterprises, Inc. Portable toilet. 232,637, 9–3–74, Cl. D23—48.
Goldsmith, Richard. Arm chair. 233,870, 12–10–74, Cl. D6—56.
Goletski, Bert J. Wheelchair handgrip. 230,927, 3–26–74, Cl. D6—191.
Golf, Inc.: *See*—
Parrotte, Edwin C. 232,891.
Parrotte, Edwin C. 232,892.
Gollwitzer, Walter H., and W. B. Shenk, Jr., to Ford Motor Co. Body for railway car or similar vehicle. 233,660, 11–19–74, Cl. D12—40.
Golzer, Siegbert, to Mauser Kommanditgesellschaft. Chair. 231,757, 6–11–74, Cl. D6—56.
Gomersall, Stanley F., to Alfred Dunhill Ltd. Cigarette lighter. 233,622, 11–12–74, Cl. D48—27.
Gomersall, Stanley F., to Alfred Dunhill Ltd. Cigarette lighter. 233,781, 11–26–74, Cl. D48—27.
Gomersall, Stanley F., to Alfred Dunhill Ltd. Cigarette lighter. 233,782, 11–26–74, Cl. D48—27.
Gomersall, Stanley F., to Alfred Dunhill Ltd. Cigarette lighter. 233,783, 11–26–74, Cl. D48—27.
Gonzalez, Ralph A. Tray for hair stylist's implements. 233,486, 10–29–74, Cl. DS6—10.
Good, William E., and A. S. Davies, to Kelsey-Hayes Co. Hand held tool for cold pressure welding cables or the like. 230,559, 3–5–74, Cl. D8—51.
Goodale, William R., and R. E. Loosen, to MSI Data Corp. Portable data record r. 232,436, 8–20–74, Cl. D26—5.
Goodale, William R., and R. E. Loosen, to MSI Data Corp. Data transmitter. 232,437, 8–20–74, Cl. D26—5.
Goodale, William R., and R. E. Loosen, to MSI Data Corp. Data transmitter. 232,438, 8–20–74, Cl. D26—5.
Goodrich, Charles E. Water sweeper for floors or similar planar surfaces. 229,932, 1–15–74, Cl. D23—34.
Goodrich, Gordon W., and D. Painter, to Bissell, Inc. Base for a two-wheeled floor sweeper. 233,126, 10–8–74, Cl. D7—175.
Goodrich, Robert S. Heatable container. 230,598, 3–5–74, Cl. D23—77.
Goodyear Tire & Rubber Co., The: *See*—
Hinkel, Walter W. 232,429.
Hinkel, Walter W., and Finley. 232,428.
Hinkel, Walter W., and Hammond. 232,819.
Neale, Patrick S. 231,978.
Schuster, Daniel E. 230,259.
Smith, John T., and Stiffler. 230,260.
Stella, Robert A., and Stiffler. 230,532.
Stevens, James A. 231,979.
Stevens, James A. 231,980.
Wolford, William W. 230,533.
Goonen, Richard F. Christmas ornament. 232,366, 8–13–74, Cl. D29—1.
Goossens, Donald L. Blower head. 231,531, 4–30–74, Cl. D23—162.
Goozner, Murray. Faceless doll. 231,842, 6–18–74, Cl. D34—4.
Gordon, Maurice, to Barrel-N-Bun, Inc. Building. 233,748, 11–26–74, Cl. D13—1.
Gordon, Virginia P. Cookie or the like. 230,536. 3–5–74, Cl. D1—15.
Gore, Fred M., and R. M. McFarlin, to Esquare, Inc. Light fixture. 232,050, 7–9–74, Cl. D48—31.
Gore, Fred M., and R. M. McFarlin, to Esquire, Inc. Light fixture. 233,166, 10–8–74, Cl. D48—31.
Gore, Fred M., and R. M. McFarlin, to Esquire, Inc. Light fixture. 233,167, 10–8–74, Cl. D48—31.
Gore, Fred M., and G. H. McReynolds, to Esquire, Inc. Floodlight. 234,002, 12–24–74, Cl. D48—20.
Gorham, a division of Textron Inc.: *See*—
Sebring, Burr. 230,169.
Gorton, Howard B.: *See*—
Ridgway, Keith E., Dahl, and Gorton. 233,976.
Gosselin, Virginia: *See*—
Small, Douglas M., and Gosselin. 229,991.
Gottliebowski, Raymond J. Golf accessory holder. 233,848, 12–3–74, Cl. D34—5.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaishya. Gas lighter. 229,855, 1–8–74, Cl. D48—27.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaisha. Gas lighter. 230,879, 3–19–74, Cl. D48—27.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaisha. Cigarette lighter. 231,254, 4–9–74, Cl. D48—27.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaisha. Cigarette lighter. 231,794, 6–11–74, Cl. D48—27.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaisha. Cigarette lighter. 232,757, 9–10–74, Cl. D48—27.
Goto, Kenjiro, to Mansel Kogyo Kabushiki Kaisha. Cigarette lighter. 233,530, 11–5–74, Cl. D27—42.
Gottlieb, William, to Chromally American Corp. Combined heel and sole for footwear. 231,717, 6–4–74, Cl. D2—320.
Gouch, James, to Dennis L. Evans. Bumper step for trailers. 230,719, 3–12–74, Cl. D12—106.
Gould, Maurice O., and K. A. Wendt. Animal oiler. 231,840, 6–18–74, Cl. D30—99.
Gould, Robert J.: *See*—
Glaberson, Martin, and Gould. 231,202.
Goulder, George V., to International Products and Services, Inc. Etagere. 233,294, 10–22–74, Cl. D6—186.
Gourley, Ralph D., to Rival Mfg. Co. Combined electric can opener and knife sharpener. 232,696, 9–10–74, Cl. D8—35.
Goyen, Albert H. Valve box. 233,753, 11–26–74. Cl. D23—19.
Goyen, Albert H. Valve box. 233,754, 11–26–74, Cl. D23—19.
Grace, W. R., & Co.: *See*—
Bernheiser, Charles A. 230,471.
Dorr, William H. 229,823.
Fallowfield, Derek, Day, and Tooke. 230,569.
Pearson, Daniel. 230,714.
Graham, Charles H., to Applied Materials Technology, Inc. Fluid metering valve. 232,086, 7–16–74, Cl. D16—1.
Graham, Earl, Jr.: *See*—
Hensley, Ralph R., and Graham. 233,840.
Gramling, James T., to Gramling Tool & Die, Inc. Punch press. 231,860, 6–18–74, Cl. D63—1.
Gramling, James T., to Gramling Tool & Die, Inc. Punch press. 231,861, 6–18–74, Cl. D63—1.
Gramling, James T., to Gramling Tool & Die, Inc. Punch press. 231,862, 6–18–74, Cl. D63—1.
Gramling Tool & Die, Inc.: *See*—
Gramling, James T. 231,860.
Gramling, James T. 231,861.
Gramling, James T. 231,862.
Grandy, Robert S. Jewelry finding or similar article. 230,066, 1–22–74, Cl. D45—19.
Graning Co.: *See*—
Graning, Thomas, Jr. 230,402.
Graning, Thomas, Jr., to Graning Co. Sink. 230,402, 2–19–74, Cl. D23—58.
Grant, Douglas L. Anti-crossing attachment for skis. 232,372, 8–13–74, Cl. D34—14.
Grant, Foster, Co., Inc.: *See*—
Bloch, Jack. 231,857.
Grant, Jean L.: *See*—
Brown Robert C., G. T., R. C. and Grant. 232,259.
Gray, Allan P., and T. M. Murray, to The Perkin-Elmer Corp. Differential scanning calorimeter or similar instrument. 232,968, 9–24–74, Cl. D52—6.
Gray, Bernard N., and J. W. Burke, to Life Support Equipment Corp. Spirometer medical apparatus. 230,210, 1–29–74, Cl. DS3—1.
Gray, Charles C., and K. B. Fish hook baiter. 232,358, 8–13–74, Cl. D22—31.
Gray, Don N.: *See*—
Breno, Phillip J., Gray, Heyne, and Meyer. 233,773.
Gray, Klena B.: *See*—
Gray, Charles C., and K. B. 232,358.
Gray, Michael J., to The Gillette Co. Safety razor. 231,050, 3–26–74, Cl. D95—3.
Graybeal, Andrew, to Dymo Industries, Inc. Tape embossing tool. 229,863, 1–8–74, Cl. D64—10.
Greaves, Frank. Freehand glass cutter. 230,130, 1–29–74, Cl. D8—51.
Green, Kenneth A., and L. A. Streblow. Lockable plate unit for use on a furniture leg or similar article. 230,235, 2–5–74, Cl. D6—191.
Green, Morris L. Carrying case for cassettes. 230,101, 1–22–74, Cl. D87—1.
Greenberg, Donald E. Display tray. 229,807, 1–8–74, Cl. D6—132.
Greenblatt, Irwin, and N. A. Marino, to Sears, Roebuck and Co. Brassiere vest. 232,602, 9–3–74, Cl. D2—24.
Greene, Alfred F. Combined comb and bottle opener. 230,898, 3–19–74, Cl. DS6—8.
Greenwood, James M. Cervical traction frame. 231,570, 4–30–74, Cl. D83—1.
Greenwood, Lewis, to Pay Fone Systems, Inc. Data processor terminal. 230,407, 2–19–74, Cl. D26—14.
Greger, Richard W.: *See*—
Balbach, Sara L., and Greger. 233,829.
Greger, Richard W., and J. R. Joy, to Corning Glass Works. Removable cover for culinary vessels. 232,904, 9–24–74, Cl. D7—131.

Gregor, Richard W., to Corning Glass Works. Detachable handle for saucepans or the like. 233,001, 10–1–74, Cl. D7—132.
Gregorietti, Salvatore. Combined bottle and closure therefor. 230,904, 3–26–74, Cl. D9—145.
Greif Bros. Corp.: *See*—
Dubois, Robert A., and Desher. 229,892.
Greif, Francis, to British and International Proprietaries Ltd. Telephone index. 231,954, 6–25–74, Cl. D74—1.
Greiner Electronic AG: *See*—
Wiedmann, Gerhard. 232,355.
Gresk, Kenneth P. Hammock stand. 233,708, 11–26–74, Cl. D6—191.
Gretag Aktiengesellschaft: *See*—
Milani, Francesco. 231,389.
Gretz, Charles R., to CTV Products, Inc. Folded paperboard optical viewer or the like. 233,949, 12–17–74, Cl. D57—1.
Greubel, Jurgen, to Braun Aktiengesellschaft. Comb. 232,665, 9–3–74, Cl. D86—8.
Greuloch, William E.: *See*—
Hagen, Richard M., Jordan, and Greuloch. 232,778.
Grey, John: *See*—
Charlesworth, David V., and Grey. 233,841.
Grieder, Charles K. Toy frog. 230,756, 3–12–74. Cl. D34—15.
Grieder, Charles K. Rabbit figure on a log toy. 230,757, 3–12–74, Cl. D34—15.
Grieder, Charles K. Toy turtle. 230,758, 3–12–74, Cl. D34—15.
Griffin, John P. Current failure alarm. 231,568, 4–30–74, Cl. D72—1.
Griffith-Hope Co.: *See*—
Hope, Samuel N., Jr. 232,999.
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Peterson, Henry G., and Grimes. 232,377.
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Grosfillex, Raymond, to Grosfillex S.A.R.L. Armchair. 231,508, 4–30–74, Cl. D6—68.
Grosfillex, Raymond, to Grosfillex S.a.r.l. Chair. 233,922, 12–17–74, Cl. D6—26.
Grosfillex S.A.R.L.: *See*—
Grosfillex, Raymond. 231,508.
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Gross, Brett L., and J. R., to Harold Leonard & Co., Inc. of California. Holder for table tennis paddles. 231,001, 3–26–74, Cl. D34—5.
Gross, Jesse R.: *See*—
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Groswith, Charles T., III, D. P. Buan, and D. R. Estes, to Velo-Bind, Inc. Power-operated punch. 233,477, 10–29–74, Cl. D55—1.
Grover, Douglas U. In line filter. 232,551, 8–27–74, Cl. D23—4.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,697, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,698, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,699, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,700, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,701, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,702, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Aeration nozzle for a hydrotherapy unit. 231,703, 5–28–74, Cl. D23—34.
Grube, Clifford E., to Associated Mills, Inc. Hydrotherapeutic pad. 233,263, 10–15–74, Cl. D83—1.
Grun, Larry, and M. Bogner. Finger ring. 234,000, 12–24–74, Cl. D45—10.
Grundig E.M.V. Elektro-Mechanische-Versuchs-Anstalt Max Grundig: *See*—
Dietrich, Gerhard. 231,471.
Dietrich, Gerhard. 231,472.
Gubri, Leon. Ladder with non-slip rungs. 233,910, 12–10–74, Cl. D54—1.
Gulotta, Gerald, to J. C. Penney, Co., Inc. Covered saucepan. 230,459, 2–26–74, Cl. D7—95.
Gulotta, Gerald, to J. C. Penney, Co., Inc. Fry pan. 230,460, 2–26–74, Cl. D7—95.
Gulotta, Gerald, to J. C. Penney, Co., Inc. Covered pan. 230,461, 2–26–74, Cl. D7—97.
Gulrich, Albert, to Victor Equipment Co. Torch tip. 231,834, 6–18–74, Cl. D26—1.
Gustafsson, Berth U., to Projectus Industriprodukter AB. Vibrating body (sensor) for measuring the concentration of solid particles in a suspension. 230,149, 1–29–74, Cl. D16—2.
Gutestam, Ted. Shoe hanger. 231,965, 7–2–74, Cl. D6—116.
Guthrie, Rodney L., R. W. Condon, R. Combs, Jr., and V. L. Krabbe, to Roper Corp. Chain saw. 229,885, 1–15–74, Cl. D8—65.
Guthrie, Rodney L., R. W. Condon, and R. Combs, Jr., to Roper Corp. Chain saw. 230,006, 1–22–74, Cl. D8—65.
Guthrie, Rodney L., C. E. La Belle, and M. W. Kennedy, to Roper Corp. Chain saw. 233,725, 11–26–74, Cl. D8—65.
Gutierrez, Frank P. Bottle drainer rack. 233,723, 11–26–74, Cl. D7—71.
Gutknecht, Leroy G. Bicycle. 231,345, 4–16–74, Cl. D12—111.
Gutner, Kenneth H. Canopy frame for bed. 233,111, 10–8–74, Cl. D6—198.
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Fistler, Howard A., and Hollingsworth. 230,128.
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Haaser, Walter L. Ski rack or similar article. 229,806, 1–8–74, Cl. D6—125.
Haberman, Thomas A., to Minnesota Mining and Mfg. Co. Electrosurgical handle. 232,591, 8–27–74, Cl. DS3—12.
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Hach, Clifford C., and Kloster. 232,038.
Hach, Clifford C., and M. B. Kloster, to Hach Chemical Co. Single color comparator. 232,037, 7–9–74, Cl. D32—2.
Hach, Clifford C., and M. B. Kloster, to Hach Chemical Co. Two-color comparator. 232,038, 7–9–74, Cl. D32—2.
Hack, George J.: *See*—
Hack, Viola L., G. L., and Duke. 231,505.
Hack, Viola L., G. J., and B. E. Duke. Drapery pleater. 231,505, 4–30–74, Cl. D3—19.
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Haenelt, Henry, to David R. N. Herd. Place card favor. 229,947, 1–15–74, Cl. D29—23.
Haga, Henry G., C. M. Jordon, W. L. Mitchell, and J. P. Palmer, to General Motors Corp. Automobile body. 233,831, 12–3–74, Cl. D12—91.
Hagen, Richard M., R. L. Jordan, and W. E. Greuloch, to Medtronic, Inc. Medical electrical equipment case. 232,778, 9–10–74, Cl. DS3—1.
Hagelberg, Torvald A. S. Cable fastener. 232,912, 9–24–74, Cl. DS—230.
Hager, Edith H. Bottle scraper spoon. 232,068, 7–16–74, Cl. D7—181.
Haggard, Robert L. Artificial fishing lure. 231,453, 4–23–74, Cl. D22—27.
Hagstrom, Arthur A., and B. L. Shevick, to Teletype Corp. Paper winder for teleprinter equipment or the like. 231,125, 4–2–74, Cl. D55—1.
Hahn, Philip F. to Georgia-Pacific Corp. Tree seedling carrier. 232,272, 7–30–74, Cl. D87—1.
Hakanson, Ulf F. I., to Skogsagarnas Industrie AB. Carrying tray for beverages cartons or the like. 232,522, 8–27–74, Cl. D9—177.
Hala, Alfred A. Masonry block construction. 229,930, 1–15–74, Cl. D18—2.
Halcyon Communications, Inc.: *See*—
Sanders, Harold. 231,533.
Hale, Arthur N., to Union Special Corp. Sewing machine frame. 233,072, 10–1–74, Cl. D70—1.
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Halkett, Kim A. Figurine. 230,611, 3–5–74, Cl. D29—23.
Hall, Eugene L. Collapsible tube. 230,570, 3–5–74, Cl. D9—194.
Hall, Frank E. Combined clothes washer and hamper. 233,470, 10–29–74, Cl. D49—1.
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Chan, Anthony P. H., and Hall. 233,177.
Hall, Merwin G. Height measuring scale. 232,759, 9–10–74, Cl. D52—6.
Hall, Peter J., to Microfilm Recording Co., Ltd. Microfiche viewer. 233,255, 10–15–74, Cl. D61—1.
Hall, Richard B., to Sunbeam Corp. Handled support stand for a cooking vessel. 229,819, 1–8–74, Cl. D7—130.
Hall, Richard B., and N. A. Steinkamp, to Sunbeam Corp. Iron. 230,458, 2–26–74, Cl. D7—20.
Hall Signs, Inc.: *See*—
Hall, Wayne F. 233,016.
Hall, Wayne F. 233,017.
Hall, Wayne F., to Hall Signs, Inc. Sign supporting bracket. 233,016, 10–1–74, Cl. DS—234.
Hall, Wayne F., to Hall Signs, Inc. Street sign supporting bracket. 233,017, 10–1–74, Cl. DS—234.
Halliburton, Ronald D., to Allied Leisure Industries, Inc. Manually controlled reflective pin-ball game cabinet. 232,951, 9–24–74, Cl. D34—5.
Hallmark Cards, Inc.: *See*—
Schultz, Richard A. 230,187.
Schultz, Richard A. 231,629.
Hallock, Edward C., to Construction Specialties, Inc. End piece for handrail. 231,780, 6–11–74, Cl. D13—7.
Halsted, Milton J., and D. Y. Muramatsu, to Wampole Ltd. Combined toiletries containers and rack therefor. 232,990, 10–1–74, Cl. D6—114.
Hamada, Masanori, to Matsushita Electric Industrial Co., Ltd. Radio receiver. 232,864, 9–17–74, Cl. D56—4.
Hambric, Alton M., to North American Telephone Corp. Telephone switchboard turret. 231,107, 4–2–74, Cl. D26—14.
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Woods, Walter E., and Hammann. 231,654.
Hammett, Roy B. Liquid container rack. 231,168, 4–9–74, Cl. D6—136.
Hammett, Roy B. Support bracket for a vacuum bottle or similar article. 233,386, 10–29–74, Cl. D6—136.
Hammond, Philip S.: *See*—
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Hampton, Brian O. Electrical control box. 230,406, 2–19–74, Cl. D26—13.
Hampton, Perry D., J. R. Cox, and P. J. Warren, to Cosar Corp. Reflection densitometer. 232,746, 9–10–74, Cl. D32—2.
Hanaoka, Tadashi, I. Kaneko, and I. Shiina, to Misawa Homes Co., Ltd. Prefabricated bathroom unit. 233,330, 10–22–74, Cl. D13—1.
Hanaoka, Tadashi, I. Kaneko, and I. Shiina, to Misawa Homes Co., Ltd. Prefabricated building unit for a kitchen. 233,331, 10–22–74, Cl. D13—1.
Hanaoka, Tadashi, I. Kaneko, and I. Shiina, to Misawa Homes Co., Ltd. Prefabricated building unit for storage. 233,332, 10–22–74, Cl. D13—1.
Hanaoka, Tadashi, I. Kaneko, I. Shiina, to Misawa Homes Co., Ltd. Prefabricated building unit for audio and/or visual equipment. 233,601, 11–12–74, Cl. D13—1.
Hanaoka, Tadashi, and I. Kaneko, to Misawa Homes Co., Ltd. Prefabricated building ventilation unit. 233,602, 11–12–74, Cl. D13—1.
Hand, Claude E., III. Golf tee container. 233,613, 11–12–74, Cl. D34—5.
Handley, Joe F. Vacuum cleaner cart. 231,970, 7–2–74, Cl. D7—170.
Handy-Andy Specialty Co., Inc.: *See*—
Sahloff, Willard H. 230,253.
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Sahloff, Willard H. 231,055.
Haney, George F., and W. G. McClain. Combined fireplace smoke chamber and downdraft shelf. 230,023, 1–22–74, Cl. D23—94.
Hanley, Hope. Implement for interweaving braid. 233,491, 11–5–74, Cl. D3—19.
Hanley, Lawrence A. Table attachable seat for a child. 231,588, 5–7–74, Cl. D6—9.
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Hansen, David E., to Eastman Kodak Co. Still camera or the like. 229,862, 1–8–74, Cl. D61—1.
Hansen, Henning. Trunks. 230,538, 3–5–74, Cl. D2—34.
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Andrus, Edward R., Jr., Fahnstrom, and Hansen. 231,937.
Hansen, Robert S. Telephone message holder. 229,757, 1–1–74, Cl. D26—14 A.
Hanson, Alden B., and C. A., to Hanson Industries, Inc. Ski boot. 231,811, 6–18–74, Cl. D2—276.
Hanson, Alden B., and C. A., to Hanson Industries Inc. Ski boot. 231,812, 6–18–74, Cl. D2—276.
Hanson, Alden B., and C. A., to Hanson Industries Inc. Ski boot. 231,813, 6–18–74, Cl. D2—276.
Hanson, Alden B., and C. A., to Hanson Industries, Inc. Ski boot. 231,958, 7–2–74, Cl. D2—276.
Hanson, Alden B., and C. A. Hanson, to Hanson Industries, Inc. Ski boot. 233,187, 10–15–74, Cl. D2—276.
Hanson, Alden B., and C. A. Hanson, to Hanson Industries, Inc. Ski boot. 233,188, 10–15–74, Cl. D2—276.
Hanson, Chris A.: *See*—
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Hetherington, James E., and J. H. Zelina. Fluorescent lantern. 233,550, 11–5–74, Cl. D48—24.
Hettich, Mark A., and C. P. Linskens, to Farm Better Service, Inc. Liquid sprayer. 232,938, 9–24–74, Cl. D23—18.
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Hilliard, William A., to Bunker Ramo Corp. Desk clock. 233,656, 11–19–74, Cl. D10—25.
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James, David F., to Norris Industries, Inc. Pull for doors, drawers and the like. 231,323, 4–16–74, Cl. D8—166.
James, David F., to Norris Industries, Inc. Backing plate for pull as used on doors, drawers and the like. 231,324, 4–16–74, Cl. D8—179.
Jansen, George E., to The Pantasote Co. Packing tray for cans or the like. 233,416, 10–29–74, Cl. D9—187.
Jantti, Mikko T. Scissors. 231,652, 5–14–74, Cl. D8—57.
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Tomioka, Shigenori. 233,365.
Jaramillo, Levi D. Protective jacket. 233,707, 11–26–74, Cl. D2—190.
Jarrin, Manuel: *See*—
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Levitan, Leonard, and Jarrin. 231,461.
Levitan, Leonard, and Jarrin. 231,462.
Jarvis, Brian C., to Movlecol Enterprises Ltd. Switch unit for use with a piano keyboard. 232,865, 9–17–74, Cl. D56—9.
Jaykin, Simon. Base for a bowling ball carrier. 231,152. 4–2–74. Cl. D87—5.
Jelinek, Otto C., to Renauld International Ltd. Pair of spectacles. 231,260, 4–9–74, Cl. D57—1.
Jenkins, David C., and D. G. Coburn, to Cox Systems Ltd. Combination hygenists dental unit. 231,230, 4–9–74, Cl. D24—1.
Jenkins, David C., and L. M. Levin, to Cox System Ltd. Audio visual work desk for dental instruction. 233,437, 10–29–74, Cl. D24—1.
Jenkins, Gale D Jr.: *See*—
Henderson, Richard E., and Jenkins. 232,457.
Jenkins, James T. Rack primarily for holding magazines in suspended position. 231,876, 6–25–74, Cl. D6—28.
Jenkins, Paul A., to Digital Equipment Corp. Front panel for a computer console. 230,485, 2–26–74, Cl. D26—5.
Jenkins, Roy M., to Lindy Pen Co. Inc. Barrel for a writing instrument. 231,408, 4–16–74, Cl. D74—17.
Jenkins, Roy M., to Lindy Pen Co. Inc. Barrel for a writing instrument. 231,409, 4–16–74, Cl. D74—17.
Jennee, Robert, to Electronic Assistance Corp. Shelf extender. 230,114, 1–29–74, Cl. D6—181.
Jennings, Roy E., to Royal Seating Corp. Chair base or similar article. 230,452, 2–26–74, Cl. D6—196.
Jenny, Ronald L. Wrench and drill unit. 233,726, 11–26–74, Cl. D8—68.
Jenny, Ronald L. Wrench. 233,727, 11–26–74, Cl. D8—70.
Jensen, Paul V. Dispenser for granular materials. 233,973, 12–24–74, Cl. D7—17.
Jensen, Volmer S., and I. H. Culver. Hang glider. 233,426, 10–29–74, Cl. D12—71.
Jenson, Robert S.: *See*—
Hamm, Jeffrey E., and Jenson. 232,386.
Jepsen, Charles F., G. E. Finlay, and R. H. Dunbrack. Illuminated water jet fountain. 231,457, 4–23–74, Cl. D23—13.
Jeruchim, Simon, to Helena Rubinstein, Inc. Bottle. 230,828, 3–19–74, Cl. D9—168.
Jester, Denis. Table. 233,872, 12–10–74, Cl. D6—177.
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Fossella, Gregory. 231,808.
Jetco Electronic Industries, Inc.: *See*—
Turner, Robert F. 230,600.
Jetter, George G., to Fort Recovery Industries, Inc. Combined curtain rod and holders therefor. 230,702, 3–12–74, Cl. D8—209.
Jimbo, Katsumi, to Sharp Kabushiki Kaisha. Electronic calculating machine. 230,404, 2–19–74, Cl. D26—5.
Jimenez, Ivan, and I. Rubin. Mounting for a rifle telescopic sight. 231,674, 5–21–74, Cl. D22—7.
Jino, Katsumi, to Sharp Kabushiki Kaisha. Electronic calculating machine. 230,405, 2–19–74, Cl. D26—5.
Jobbins, Howell S., Jr., to Universal Optical Co., Inc. Eyeglass frame front. 233,480, 10–29–74, Cl. D57—1.
Jofa AB: *See*—
Svenson, Bo. 232,982.
Johns, Larry L. Liquid wax applicator. 233,545, 11–5–74, Cl. D37—3.
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Johnsen, David W. American Optical Corporation. Pair of spectacles. 232,380, 8–13–74, Cl. D57—1.
Johnson, Andrew E. Belt buckle. 232,397, 8–20–74, Cl. D2—427.
Johnson, Andrew. Portable mat. 230,117, 1–29–74, Cl. D6—201.
Johnson, Boyd R. Combined framed aquarium and cover therefor. 229,838, 1–8–74, Cl. D30—8.
Johnson, Boyd R. Combined framed aquarium and cover therefor. 229,840, 1–8–74, Cl. D30—12.
Johnson, Darrell M. Plaque. 230,866, 3–19–74, Cl. D29—23.
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Johnson, Everett A. Boat hoist cam plate. 231,341, 4–16–74, Cl. D12—60.
Johnson, Everett A. Boat hoist cam linkage. 231,342, 4–16–74, Cl. D12—1.
Johnson, Everett A. Reversible boat hoist linkage. 231,343, 4–16–74, Cl. D12—60.
Johnson, Everett A. Boat hoist. 233,119, 10–8–74, Cl. D12—54.
Johnson, George M.: *See*—
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Johnson, George M., to Shiley Laboratories, Inc. Obturator for pediatric tracheostomy tube. 230,092, 1–22–74, Cl. D83—1.
Johnson, Jerry. Bar stool. 230,668, 3–12–74, Cl. D6—35.
Johnson, Jerry. Chair. 230,671, 3–12–74, Cl. D6—56.
Johnson, Jerry. Lounge chair. 233,281, 10–22–74, Cl. D6—39.
Johnson, Jimmy J. Figurine. 230,282, 2–5–74, Cl. D29—23.
Johnson, Jimmy J. Figurine. 230,283, 2–5–74, Cl. D29—23.
Johnson & Johnson: *See*—
Geddis, David B. 232,206.
Johnson, Leonard G., to Safe-T-All Corp. Safety overall. 232,875, 9–24–74, Cl. D2—29.
Johnson, Merlin. Towable sled for snowmobiles, boats and the like. 231,516, 4–30–74, Cl. D12—11.
Johnson, Morris E., and J. Princ, to Nichols Homeshield Inc. Plant support. 230,884, 3–19–74, Cl. D54—2.
Johnson, Randall N. Bicycle stand. 230,145, 1–29–74, Cl. D12—115.
Johnson, Robert W., and H. Leong. Picture viewer. 233,629, 11–12–74, Cl. D61—1.
Johnson, S. C., & Son: *See*—
Harris, William C. 231,907.
Luedtke, Warren J. 232,079.
Luedtke, Warren J. 232,158.
Luedtke, Warren J. 232,419.
Johnson, Sally M.: *See*—
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Johnson, Virgil H., to Minnesota Mining and Mfg. Co. Acoustic coupler. 232,738, 9–10–74, Cl. D26—14.
Johnson, Wilfred V. Fire sprinkler head. 231,529, 4–30–74, Cl. D23—6.
Johnson, William T., and S. M. Coin operated plastic laminating machine or similar article. 233,947, 12–17–74, Cl. D55—1.
Johnsrud, Melvin L., and J. E. Koepke. Mortar and pestle. 231,923, 6–25–74, Cl. D16—1.
Jolley, Paul E., to The Singer Co. Clip and hook design for cut-loop. 231,645, 5–7–74, Cl. D92—15.
Jolliffe, John E.: *See*—
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Jolliffe, John E., to SCM Corp. Electrical plug. 233,156, 10–8–74, Cl. D26—1.
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Helenurm, Kalju. 229,742.
Jones, Francis J. Toothpick dispenser. 230,881. 3–19–74, Cl. D52—2.

Jones, Gary D. Prop tool. 231,074, 4-2-74, Cl. D8—88.
Jones, Jimmie L., to Ute Indian Tribe of the Uintah and Ouray Reservation. Motel room building. 233,985, 12-24-74, Cl. D13—1.
Jones, Jimmie L., to Ute Indian Tribe of the Uintah and Ouray Reservation. Public building. 233,986, 12-24-74, Cl. D13—1.
Jones, Jimmie L., to Ute Indian Tribe of the Uintah and Ouray Reservation. Restaurant building. 233,987, 12-24-74, Cl. D13—1.
Jones, Joseph J. Rocking exercise stool. 229,800, 1-8-74, Cl. D6—32.
Jones, Judson O., to Hydrotex Corp. Combined cleaning head and nozzle. 232,298, 8-6-74, Cl. D7—173.
Jones, Lawrence T., and A. Sims, to California R & D Center. Farm toy. 230,365, 2-12-74, Cl. D34—15.
Jones, Leon. Electrical sensing device for counting pieces of paper passing through a printing press. 233,936, 12-17-74, Cl. D26—1.
Jones, Mildred I.: *See—*
Jones, William H., and M. I. 231,527.
Jones, Richard S., to Sentinel Lighting & Mfg. Co. Kilowatt hour meter base cover. 230,369, 2-12-74, Cl. D52—6.
Jones, Robert V.: *See—*
Conway, Ronald L., Jones, Schaum. 232,945.
Conway, Ronald L., Jones, and Schaum. 232,126.
Conway, Ronald L., Jones, and Schaum. 232,194.
Conway, Ronald L., Jones, and Schaum. 232,195.
Conway, Ronald L., Jones, and Natoll. 233,608.
Jones, William H., and M. I. Device for tying monofilament fishing line. 231,527, 4-30-74, Cl. D22—31.
Jook, Leo. Bicycle exerciser. 233,160, 10-8-74, Cl. D34—5.
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Jordan, Anthony. Grease filter. 233,525, 11-5-74, Cl. D23—149.
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Lhota, Harold P., Joseph, and Leiter. 231,065.
Lhota, Harold P., Joseph, and Leiter. 231,179.
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Joyce, Robert D., to Reichton International Corp. Jewelry display rack. 232,401, 8-20-74, Cl. D6—139.
Joyce, Robert D., to Reichton International Corp. Jewelry display rack. 232,402, 8-20-74, Cl. D6—139.
Juaire, Phillip R., to Satellite Industries, Inc. Urinal for portable toilet building. 233,889, 12-10-74, Cl. D23—68.
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Lewis, Hubert A., and Davis. 230,701.
Juhlin, Sven-Eric, to AB Gustavsbergs Fabriker. Compartment file. 230,234, 2-5-74, Cl. D6—188.
Juhlin, Sven-Eric, to AB Gustavsbergs Fabriker. Vertical file rack. 231,137, 4-2-74, Cl. D74—2.
Juhlin, Sven-Eric, to AB Gustavsbergs Fabriker. Covered salad bowl. 231,968, 7-2-74, Cl. D7—17.
Juhlin, Sven-Eric, and P. Landgren. Caster. 233,505, 11-5-74, Cl. D8—226.
Juhlin, Sven-Eric, to AB Gustavsbergs Fabriken. Child's drinking mug and lid therefor. 233,972, 12-24-74, Cl. D7—10.
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Kahler, Richard W., to Surf and Psych, Inc. Smoking device. 231,640, 5-7-74, Cl. D85—8.
Kahn, Evan R. Combined hair brush and dryer. 230,778, 3-12-74, Cl. D86—10.
Kahn, Robert D., to Fedtro, Inc. Flashlight. 229,963, 1-15-74, Cl. D48—24.
Kahn, Robert D., to Fedtro, Inc. Reflector. 231,492, 4-23-74, Cl. D72—1.
Kainass, Andrew, to General Electric Co. Combined four-channel tape player and receiver. 230,605, 3-5-74, Cl. D26—14.
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Kalbfeld, Jack W., to Van Week International Corp. Electric blender or similar article. 230,244, 2-5-74, Cl. D7—154.
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Kalvitis, Robert E., to Xerox Corp. Computer output printer. 230,517, 2-26-74, Cl. D64—11.
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Kaner, Samuel S. to Premium Sales Kabushiki Kaisha. Bottle rack. 232,204, 7-30-74, Cl. 6—153.
Kaner, Samuel S., to Premium Sales Kabushiki Kaisha. Bottle rack. 232,205, 7-30-74, Cl. D6—153.
Kanitz, Emeric, to Cannon Mills Co. Sheet or similar article of bed linen. 230,000, 1-22-74, Cl. D6—264.
Kannemeyer, James C. Opener for a screw top type bottle or the like. 231,766, 6-11-74, Cl. D8—40.
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Kaplan, Martin N. Combined packaging and display container. 232,918, 9-24-74, Cl. D9—191.
Kapreilian, Harry C. Pedal action unit for pianos. 230,889, 3-19-74, Cl. D56—9.
Karabelas, Amy. Device for brushing and styling instrument. 231,506, 4-30-74, Cl. D4—13.
Karban, James. Combined golf putter head and mirror adapter. 233,535, 11-5-74, Cl. D34—5.
Kardel Products Corp.: *See—*
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Karel, Jerold. Camera. 231,754, 6-4-74, Cl. D61—1.
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Karn, Harold G., Jr., and M. A. Roby, to Rubbermaid Commercial Products Inc. Mop bucket. 233,003, 10-1-74, Cl. D7—187.
Karn, Harold G., Jr., to Rubbermaid Commercial Products, Inc. Refuse container. 233,127, 10-8-74, Cl. D7—194.
Karney, Bernice G. Beach towel. 232,408, 8-20-74, Cl. D6—265.
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Katoda, Kenichi, to France Bed Co. Ltd. Chair. 233,101, 10-8-74, Cl. D6—76.
Katoda, Kenichi, to France Bed Co., Ltd. Chair. 233,969, 12-24-74, Cl. D6—76.
Kattler, Eugene and K. Mackenzie, to Exmet Corp. 229,969, 1-15-74, Cl. D43—2.
Katz, Bernard. Packaging machine for comestibles. 232,122, 7-16-74, Cl. D55—1.
Katz, Richard, J. Lamuniere, and N. Baird, to Duro-Test Corp. Bulb for electric lamp. 232,641, 9-3-74, Cl. D26—8.
Katz, Robert E., to Webcraft Packaging, Inc. Combined envelope and sheet for advertisement. 233,069, 10-1-74, Cl. D59—8.
Katz, Robert E., to Webcraft Packaging, Inc. Combined envelope and sheet for advertisement. 233,335, 10-22-74, Cl. D19—2.
Katz, Robert E., to Beatrice Foods Co. Combined envelope and sheet for advertisement. 234,003, 12-24-74, Cl. D59—8.
Katz, Robert E., to Beatrice Foods Co. Combined envelope and sheet for advertisement. 234,004, 12-24-74, Cl. D59—8.
Katzenmeyer, James H., to Continental Can Co., Inc. Carton. 230,955, 3-26-74, Cl. D9—180.
Kaufman, James C., and W. L. King, to The National Cash Register Co. Cash register or similar article. 231,122, 4-2-74, Cl. D52—4.
Kaufman, Thomas W. Thermos jug. 233,206, 10-15-74, Cl. D7—61.
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Kawamura, Ken, to Matsushita Electric Industrial Co., Ltd. Radio receiver. 231,258, 4-9-74, Cl. D56—4.
Kawamura, Ken, to Matsushita Electric Industrial Co., Ltd. Amplifier. 232,033, 7-9-74, Cl. D26—14.1.
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Kawamura, Ken, T. Okada, and H. Koda, to Matsushita Electric Industrial Co., Ltd. Clock radio. 233,789, 11-26-74, Cl. D56—4.
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Kawano, Takeyoshi, to Matsushita Electric Industrial Co., Ltd. Amplifier. 230,279, 2-5-74, Cl. D26—14.001.
Kawano, Takeyoshi, to Matsushita Electric Industrial Co., Ltd. Combined radio receiver and tape recorder. 233,913, 12-10-74, Cl. D56—4.
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Kay, Walter, and R. M. Poelvoorde, to said Poelvoorde assor. to said Kay. Combination litter container and advertising display device. 232,211. 7-30-74, Cl. 7—191.
Kaye, Lawrence A. Ladder extension. 230,370, 2-12-74, Cl. D54—1.
Kayloe, William F. Spoon. 232,692. 9-10-74, Cl. D7—137.
Kaysen, Raymond and F. R. Dimeo, to RCA Corp. Control unit for an antenna rotator. 229,942, 1-15-74, Cl. D26—13.
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Kean, George W. Lifter for fowl or the like. 231,765, 6-11-74, Cl. D7—103.
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Keidl, Helmut, and R. A. Lamke. Water pipe. 233,863, 12-3-74, Cl. D85—8.
Keillor, R. David, and P. J. Traglia, to International Business Machines Corp. Document reader or the like. 230,860, 3-19-74, Cl. D26—5.
Keim, John K. Game board. 230,870, 3-19-74, Cl. D34—5.
Keith, Ernest A., to Corp. (Ltd.). Pole seat. 229,880, 1-15-74, Cl. D6—26.
Keith, Mary Ann. Paper towel dispenser. 232,378, 8-13-74, Cl. D52—2.
Kelbish, Edward D. Preassembled modular housing structure. 232,542, 8-27-74, Cl. D13—1.2.
Kelbish, Edward D. Preassembled modular housing structure. 232,543, 8-27-74, Cl. D13—1.
Kelbish, Edward D. Preassembled modular housing structure. 232,544, 8-27-74, Cl. D13—1.
Keller, Douglas C. Gameboard. 233,055, 10-1-74, Cl. D34—5.
Keller, Donald A., to Pro-Light Inc. Flashlight. 231,560, 4-30-74, Cl. D48—24.
Keller, Huey T. Dresser front. 231,171, 4-9-74, Cl. D6—164.
Keller, Huey T. Dresser or the like. 231,509, 4-30-74, Cl. D6—154.
Keller, Huey T. Dresser or the like. 231,884, 6-25-74, Cl. D6—164.
Keller, Huey T., to Gillespie Furniture Co. Furniture or the like. 232,890. 9-24-74, Cl. D6—154.
Keller, Huey T., to Empire Furniture Co., a division of Vaughan Furniture Co. Inc. Triple dresser or similar article. 232,140, 7-23-74, Cl. D6—154.
Keller, Huey T., to Empire Furniture Co., a division of Vaughan Furniture Co. Inc. Triple dresser or similar article. 232,141, 7-23-74, Cl. D6—154.
Keller, Huey T., to The Vaughan Furniture Co., Inc. Dresser or the like. 233,389, 10-29-74, Cl. D6—154.
Keller, Huey T., to White Furniture Co. Furniture panel. 233,394, 10-29-74, Cl. D6—192.
Keller, Huey T., to Empire Furniture Corp. Furniture panel or the like. 233,395, 10-29-74, Cl. D6—192.
Keller, Huey T., to The Vaughan Furniture Co., Inc. Dresser or the like. 233,498, 11-5-74, Cl. D6—154.
Keller, Huey T., to Gillespie Furniture Co. Dresser or the like. 233,578, 11-12-74, Cl. D6—154.
Keller, Huey T. Armoire or similar article. 233,924, 12-17-74, Cl. D6—164.
Keller, John A., to Heavy Light Mfg. Corp. Lighting fixture. 231,679, 5-21-74, Cl. D48—4.
Keller, John A., to Heavy Light Mfg. Corp. Outdoor lighting fixture. 231,680, 5-21-74, Cl. D48—31.
Keller, Joseph R.: *See—*
Wachter, Vincent C., Keller, and Feldmann. 230,803.
Kelley, James O.: *See—*
Propst, Robert L., and Kelley. 231,064.
Kellogg, Charles W., Jr. Plastic case for transformers, switches and other electrical equipment. 230,998, 3-26-74, Cl. D26—15.
Kellum, Thomas B. Mobile lounge chair. 231,164, 4-9-74, Cl. D6—39.
Kellum, Thomas B. Mobile lounge chair. 231,878, 6-25-74, Cl. D6—39.
Kelsey-Hayes Co.: *See—*
Brady, George V. 233,837.
Campbell, John L. 233,149.
Good, William E., and Davies. 230,559.
Reid, Donald J. 233,518.
Kemnitzer, Ronald B., to Sunbeam Corp. Hair dryer with mist dispenser. 231,146, 4-2-74, Cl. D86—10.
Kemnitzer, Ronald B., to Sunbeam Corp. Electric percolator. 232,897, 9-24-74, Cl. D7—62.
Kemp, James M. Fishing lure. 231,659, 5-14-74, Cl. D22—27.
Kennedy, John E. Motorcycle wheel mount. 231,517, 4-30-74, Cl. D12—118.
Kennedy, John P., to Design Elements, Inc. Control panel for data access acoustic coupler. 231,364, 4-16-74, Cl. D26—14.
Kennedy, John P., to MI², Inc. Interface cabinet for teleprinting. 231,469, 4-23-74, Cl. D26—14.
Kennedy, Milton W.: *See—*
Guthrie, Rodney L., La Belle, and Kennedy. 233,725.
Kennedy, Richard T., and J. L. Hvale, to Bell Electric Co. Holder for a seal beam lamp. 233,778, 11-26-74, Cl. D48—20.
Kennedy, Richard T., and J. L. Hvale, to Bell Electric Co. Electric lamp holder. 233,779, 11-26-74, Cl. D48—20.
Kennedy, Roger, and P. B. Rothschild, to Pan-Nova, Inc. Gasoline dispensing pump. 232,967. 9-24-74, Cl. D52—2.
Kenney, Peter C., and P. V. Tremblay, to The Gillette Co. Table lighter base. 231,708. 5-28-74, Cl. D48—27.
Kent, G. B., Sons Ltd.: *See—*
Cosby, Eric L. H. 229,904.
Kephart, Lynn H. Combined table and aquarium or similar article. 229,766, 1-1-74, Cl. D30—11.
Kephart, Lynn H. Table. 231,885, 6-25-74, Cl. D6—175.
Kephart, Lynn H. Table. 231,886, 6-25-74, Cl. D6—175.
Kephart, Lynn H. Table. 231,887, 6-25-74, Cl. D6—175.
Kephart, Lynn H. Combined table and terrarium. 232,877, 9-24-74, Cl. D6—3.
Kerkenbush, Darle L.: *See—*
Chreist, Louis R., Jr., Kerkenbush, Pook, and Gillespie. 232,450.
Kerr, William J., to Chicago Lock Co. Key for an axial tumbler-type lock. 233,589. 11-12-74, Cl. D8—136.
Kerr, William J., to Chicago Lock Co. Key for an axial tumbler type lock. 233,590. 11-12-74, Cl. D8—136.
Kerr, William J., to Chicago Lock Co. Key for an axial tumbler-type lock. 233,591, 11-12-74, Cl. D8—136.
Kerr, William J., to Chicago Lock Co. Key for an axial tumbler-type lock. 233,592. 11-12-74, Cl. D8—136.
Kessler, Vernon G. Chain roller link. 232,914, 9-24-74, Cl. D8—261.
Ketcham & McDougall, Inc.: *See—*
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Macowski, William. 233,261.

Keyes Fibre Co.: *See*—
Vigue, Henry R. 231,180.
Keystone-Consolidated Industries, Inc.: *See*—
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Keystone Division of Berkey Photo: *See*—
Emmerling, Ronald A. 229,779.
Kidde, Walter, & Co.: *See*—
Gardenhour, Eugene C. 231,337.
Spain, Stanley R., Kohler, and Gardenhour. 231,205.
Kiddie Products, Inc.: *See*—
Panicci, Richard L. 231,830.
Panicci, Richard L. 231,831.
Panicci, Richard L. 231,832.
Sidman, Ronald J. 231,791.
Kiecker, Ervin A., and R. A. Loftness. Snow deflector. 231,115, 4–2–74, Cl. D35—2.
Kienholz, Charles M.: *See*—
Campbell, Laurie J., Lohr, and Kienholz. 230,167.
Kiernan, Alice, P. A. Luzier, and G. Mirow, to Corning Glass Works. Coffeemaker. 233,974, 12–24–74, Cl. D7—65.
Kies, Jared R.: *See*—
Burroughs, Frank C., and Kies. 233,079.
Kies, Jared R., to Owens-Corning Fiberglas Corp. Embossed plastic sheet material or similar article. 233,080, 10–1–74, Cl. D87—3.
Kiga S.p.A.: *See*—
Boeri, Maria C. 230,332.
Kilham, Peter. Bird feeder. 231,369, 4–16–74, Cl. D30—14.
Kilmartin, Thomas. Golf tee. 231,109, 4–2–74, Cl. D34—5.
Kilroy, Eugene J. G. K. Leistikow and P. D. Du Breuil, to Mattel, Inc. Glider. 232,459, 8–20–74, Cl. D34—15.
Kimball, David V., and D. L. Baughn. Wheel. 232,431 8–20–74, Cl. D12—205.
Kimbell, Wayne L., and R. P. Edlund. Speaker and amplifier for musical instruments. 231,537, 4–30–74, Cl. D26—14.
Kimberly-Clark Corp.: *See*—
Thomas, Gordon D. 230,081.
Thomas, Gordon D. 231,022.
Thomas, Gordon D. 231,023.
Thomas, Gordon D. 232,772.
Kimble, Thomas E., to D. H. Baldwin Co. Piano. 229,778, 1–1–74, Cl. D56—9.
Kime, Donald L.: *See*—
Fenic, John G., Kime, Raridan, and Viemeister. 232,190.
Fenic, John G., Kime, Raridan, and Viemeister. 232,191.
Fenic, John G., Kime, Raridan, and Viemeister. 232,581.
Kimura, Moritoshi. Card file. 229,980, 1–15–74, Cl. D74—2.
Kimura, Robert Y. Procter & Gamble Co., The. Embossed paper towel. 230,311, 2–5–74, Cl. D59—2.
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Kinard, William C. Tennis ball holder. 233,614, 11–12–74, Cl. D34—5.
Kindel, Stephen. Light switch. 230,862, 3–19–74, Cl. D26—13.
King, Donald G. Combined bench and container module. 231,873, 6–25–74, Cl. D6—4.
King, Robert M., to Tel-Pro Products Ltd. Snow skate. 232,044, 7–9–74, Cl. D34—14.
King-Seeley Thermos Co.: *See*—
Bell, Vernon D., and Seltz. 232,900.
Bell, Vernon D. and Seltz. 232,901.
King, William D., Jr., to Pan Nova, Inc. Combined sign and fountain. 233,272, 10–15–74, Cl. D96—12.
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Kinkel, Norbert, and E. Knauff. Enema bag. 229,786, 1–1–74, Cl. D83—1.
Kinney, J.: *See*—
De Graw, William E. 233,982.
Kinsey, John O., B. W. McVey, D. G. Moore, R. B. Mulvany, and P. C. Yenerich, to International Business Machines Corp. Magnetic disk module. 232,735, 9–10–74, Cl. D26—5.
Kira, Hiroshi, to Norman Holtzman. Film strip projector. 233,856, 12–3–74, Cl. D61—1.
Kirby, Robert E., to General Time Corp. Casing for spray dispenser. 233,435, 10–29–74, Cl. D23—150.
Kirby, Robert E., to General Time Corp. Casing for spray dispenser. 233,436, 10–29–74, Cl. D23—150.
Kirchner, Mark E., and P. C. Whitener, to The Boeing Co. Airplane. 232,711, 9–10–74, Cl. D12—76.
Kirchner, Robert L. Training aid for basketball players or the like. 232,097, 7–16–74, Cl. D25—1.
Kirk, Norman. Electrically curved hair vibrator. 233,632, 11–12–74, Cl. D83—1.
Kirkham, Arthur J. Tent. 232,328, 8–6–74, Cl. D88—3.
Kirkpatrick, Hazelle J. Combined comb, sheath therefor. 231,806, 6–11–74, Cl. D86—8.
Kirsch Co.: *See*—
Ford, James A. 232,144.
Kissin, Claud W., to Hartz Mountain Corp., The. Dog whistle. 230,318, 2–5–74, Cl. D72—1.
Kissin, Claud W., to Hartz Mountain Pet Foods, Inc. Safety latch for pet animal leashes. 231,839, 6–18–74, Cl. D30—39.
Kissin, Claud W., to The Hartz Mountain Corp. Dog dish. 232,564, 8–27–74, Cl. D30—16.
Kita, Robert M., and E. A. Rusch, to Shure Brothers Inc. Two-sided phonograph pickup cartridge. 230,741, 3–12–74, Cl. D26—14.
Kitagawa, Keisuke, to Kalimar, Inc. Electronic flash unit for cameras. 232,264, 7–30–74, Cl. D61—1.
Kitai, Isao, to Sharp Kabushiki Kaisha. Electronic calculating machine. 231,989, 7–2–74, Cl. D26—5.
Kitai, Isao, and M. Yamagami, to Sharp Kabushiki Kaisha (Sharp Corp). Electronic calculating machine. 232,833, 9–17–74, Cl. D26—5.
Kitai, Isao, and S. Onishi, to Sharp Kabushiki Kaisha Sharp Corp.). Electronic calculating machine. 232,835. 9–17–74, Cl. D26—5.
Kitai, Isoa, to Sharp Kabushiki Kaisha (Sharp Corp.). Electronic calculating machine. 232,836, 9–17–74, Cl. D26—5.
Kitai, Isao, to Sharp Kabushiki Kaisha. Electronic clinical thermometer. 232,860, 9–17–74, Cl. D52—7.
Kitamori, Masakazu: *See*—
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Kitson, Gerald L. Reversing poultry feed hopper. 231,370, 4–16–74, Cl. D30—15.
Kitson, Gerald L. Poultry cage divider panel. 233,673, 11–19–74, Cl. D30—2.
Kjarsgaard, Richard A., to Patrick L. Schmidt and David A. Hill. Book design. 233,337, 10–22–74, Cl. D19—26.
Klancke, John H., to Cambridge Corp. Water line heater for vehicles or the like. 233,757, 11–26–74, Cl. D23—86.
Klassen, Fritz E., and J. A. Stamford, to California Computer Products, Inc. Night light. 231,250, 4–9–74, Cl. D48—20.
Klassen, Fritz E., and J. A. Stamford, to California Computer Products, Inc. Night light. 231,251, 4–9–74, Cl. D48—20.
Klassen, Fritz E., to California Computer Products. Inc. Night light. 231,253, 4–9–74. Cl. D48—20.
Klayman, Mark J. Photographic print cropper. 231,403, 4–16–74, Cl. D61—1.
Kleen Test Products, Inc.: *See*—
Larsh, Ray E., and Urbansky. 230,104.
Kleiman, Charles, to Lake Chemical Co. Spatula. 232,803, 9–17–74, Cl. D8—45.
Kleine, Eugene T. Flower box. 230,497, 2–26–74, D35—3.
Kleinman, Eugene, to Kayser-Roth Corp. Display rack. 229,998, 1–22–74, Cl. D6—189.
Klemp, Eldon J., and V. E. Cassibo, to Litton Systems, Inc. Microwave oven. 229,818, 1–8–74, Cl. D7—128.
Klepa, Peter P., and T. J. Hermann, to Hughes Aircraft Co. Laser material cutter. 231,390, 4–16–74, Cl. D55—1.
Klepa, Peter P., and T. J. Thomas, to Iomec, Inc. Magnetic disc cartridge. 231,470, 4–23–74, Cl. D26—14.
Klitzner, William S. Luggage identification tag. 233,274, 10–15–74, Cl. D96—13.
Klones, Harold J., to Airlite Plastics Inc. Automobile wind deflector. 231,216, 4–9–74, Cl. D12—18.
Kloots, Jacobus, and R. Buhler, to Applied Fiberoptics Inc. Fiberoptic illumination assembly for surgeon's headband. 232,119, 7–16–74, Cl. D48—20.
Klose, Odo, to Giroflex-Entwicklungs- AG. Chair or similar article. 230,443, 2–26–74, Cl. D6—30.
Klose, Odo, to Giroflex-Entwicklungs-AG. Single-arm chair or similar article. 230,541, 3–5–74, Cl. D6—26.
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Klotz, Jon W., E. A. Oster, H. J. Hoehn, and R. A. Martel, to Owens-Illinois, Inc. Light emitting gas discharge matrix display panel. 230,985, 3–26–74, Cl. D26—5.
Klubmann, Julius. Combined spectacles and lamps therefor. 229,975, 1–15–74, Cl. D57—1.
Klucznik, Paul J., to General Electric Co. Multiband portable radio. 232,124, 7–16–74, Cl. D56—4.
Kluge, Eldor A., R. G. Kosirog, and T. H. Wiebe, to Canteen Corp. Display module for bank of vending machines. 233,387, 10–29–74, Cl. D6—139.
Klumb, Harvey A.: *See*—
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Knapp, Lynton R., and R. W. Province, to MSI Data Corp. Electronic cash register. 230,502, 2–26–74, Cl. D52—4.
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Kneale, Collan B., and F. Wilkey, Jr., to International Business Machines Corp. Input-output unit for a data processor. 233,345, 10–22–74. Cl. D26—5.
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Bemis, John E., II, and Knezovich. 232,164.
Knife, Dennis, and B. A. Stone, to Syncro-System Corp. Picture-sound recording apparatus. 230,029, 1–22–74, Cl. D26—14.
Knight, Arden M. Carpet cleaner unit. 231,894, 6–25–74, Cl. D7—167.
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Read, Robert W., and Knowlen. 231,436.
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Knueff, Charles D. Aquarium. 234,024, 12–31–74, Cl. D30—9.
Knute, Wallace L., to Ivac Corp. Electrical connector. 233,667, 11–19–74, Cl. D26—1.
Knutson, Robert C. Depth meter. 233,152, 10–8–74, Cl. D26—1.
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Kobayashi, Kazuki, to Kabushiki Kaisha Ricoh. Film reel. 231,026, 3–26–74, Cl. D61—1.
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Koblick, Jeffrey M. Hair trimmer. 232,874, 9–17–74, Cl. D95—3.
Koblick, Jeffrey M., to K-Tel International, Inc. Yogurt maker. 232,997, 10–1–74, Cl. D7—41.
Koch Engineering Co., Inc.: *See*—
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Koch, Samuel J. Cigarette lighter. 230,305, 2–5–74. Cl. D48—27.
Koch, Samuel J. Combined cigarette lighter, desk pen and tray. 233,176, 10–8–74, Cl. D74—5.
Koch, Walter L., and R. P. Franklin, to Rowe International Inc. Beverage dispensing machine. 233,081, 10–1–74, Cl. D94—3.
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Koenecke, Michael J., and R. J. Hughes, to Berkley & Co., Inc. Spinning reel. 231,224, 4–9–74, Cl. D22—25.
Koepke, Earl H., to Harter Corp. Arm chair. 233,712, 11–26–74, Cl. D6—31.
Koepke, Earl H., to Harter Corp. Combined seat and back rest unit. 233,720, 11–26–74, Cl. D6—197.
Koepke, John E.: *See*—
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Stubbmann, Albert, and Farber. 233,615.
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Kolwicz, Stanley J., Game board. 233,053, 10–1–74, Cl. D34—5.
Komroff, Paul, to National Union Electric Corp. Air conditioner. 233,040. 10–1–74, Cl. D23—145.
Kondo, Akio, to Kabushiki Kaisha Uchida Yoko a/k/a Uchida Yoko Co., Ltd. Tape dispenser. 232,056, 7–9–74, Cl. D74—1.
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Bair, Sydney L., Jr., and Korchak. 230,906.
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Kors, Howard D. Christmas decoration support. 231,838, 6–18–74, Cl. D29—1.
Kort, Fred, to Imperial Toy Corp. Bubble blowing wand. 233-358, 10–22–74, Cl. D34—15.
Kort, Fred, to Imperial Toy Corp. Gorilla figure toy. 233,896, 12–10–74, Cl. D34—2.
Kort, Fred, to Imperial Toy Corp. Bubble blowing wand. 233,-903, 12–10–74, Cl. D34—15.
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Korzeniewski, Robert. Gun sight. 232,434, 8–20–74, Cl. D22—8.
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Koury, George F., to Pantasote Co. Diaper holder. 231,142, 4–2–74, Cl. D83—1.
Koury, George F., to Pantasote Co. Garment for holding a diaper. 233,702, 11–19–74, Cl. D83—1.
Kovacs, John S., L. H. Herr, and R. H. Penney, to Sperry Rand Corp. Typewriter. 230,202. 1–29–74, Cl. D64—11.
Kovacs, John S., L. H. Herr, and R. H. Penney, to Sperry Rand Corp. Automatic typewriter control console. 230,602, 3–5–74, Cl. D26—5.
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Kramb, Kenneth D., and W. J. Isabell, to K.I.C. Inc. Vehicular safety device or the like. 232,924, 9–24–74, Cl. D12—7.
Kramer, Edward J. Educational module. 231,062, 4–2–74, Cl. D6—157.
Kramer, Edward J., and J. L. Hendrix; said Hendrix assignor to said Kramer. Educational module. 232,607, 9–3–74, Cl. D6—157.
Kramer, Herbert, and H. Hoher, to Siemens Aktiengesellschaft. Wall telephone subscriber set or similar article. 233,445, 10–29–74, Cl. D26—14.
Kramer, Herbert, and T. Kao, to Siemens Aktiengesellschaft. Table coin telephone. 233,351, 10–22–74, Cl. D26—14.
Kramer, Herbert, and T. Kao, to Siemens Aktiengesellschaft. Table coin telephone. 233,352, 10–22–74, Cl. D26—14.
Kramer, Herbert, and T. Kao, to Siemens Aktiengesellschaft. Telephone subscriber. 233,611, 11–12–74, Cl. D26—14.
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Krause, Arthur A., to K-Tel International, Inc. Dish rack. 231,669, 5–21–74, Cl. D7—188.
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Krieger, John F., and R. S. Blosk, to Breakthru Inc. Food bowl. 231,301, 4–16–74, Cl. D231,301, 4–16–74, Cl. D7—5.
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Kritkausky, Robert E., to K & S Corp. Combined skewer set and cutting board 231,890. 6–24–74, Cl. D7—46.
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Kulik, Herbert S., and J. Schachter. Letter examining device or similar article. 232,657, 9-3-74, Cl. D52—1.
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Labell, Earnest J. Television light or similar article, 233,777, 11-26-74, Cl. D48—20.
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La Borde, Joseph N., to Ethyl Corp. Snap-on plastic molding. 230,583, 3-5-74, Cl. D13—6.
La Borde, Joseph N. Module for a filter media. 232,174, 7-23-74, Cl. D23—4.
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Langieri, Michael, to Questor Corp. Zoo toy. 232,575, 8-27-74, Cl. D34—15.
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Langieri, Michael, to Questor Corp. Educational Toy. 232,750, 9-10-74, Cl. D34—15.
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La Pollee, George D., and W. A. Current, to The Singer Company. Sewing machine frame. 232,384, 8-13-74, Cl. D70—1.
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Laughner, Charles. Restaurant building. 233,144, 10-8-74, Cl. D13—1.
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Laughon, Thomas C., to Eastman Kodak Co. Camera-processor with an identification printer. 230,198, 1-29-74, Cl. D61—1.
Laughon, Thomas C., to Eastman Kodak Co. Computer output microfilmer. 232,480, 8-20-74, Cl. D61—1.
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Lawlor, John, and J. Sgombick, to Xerox Corp. Teaching aid for demonstrating principles in physics. 232,098, 7-16-74, Cl. D25—1.
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Laylon, Harry, to Dart Industries Inc. Chaise lounge. 233,090, 10-8-74, Cl. D6—39.
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Lazo de la Vega, Cecilio I. Handbag or the like. 231,586, 5-7-74, Cl. D3—87.
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Leedy, Robert M. Combined clip dispenser and pencil holder. 231,407, 4–16–74, Cl. D74—5.
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Molzen, Charles F., to Rubbermaid Sales Corp. Drainer tray. 232,902, 9-24-74, Cl. D7—188.
Molzen, Charles F., to Rubbermaid Sales Corp. Cleaning accessories holder. 232,992, 10-1-74, Cl. D6—136.
Molzen, Charles F., to Rubbermaid Sales Corp. Bath tub mat. 232,995, 10-1-74, Cl. D6—210.
Molzen, Charles F., to Rubbermaid Sales Corp. Combined counter mat and cutting board. 232,998, 10-1-74, Cl. D7—46.
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Oakley, Daniel C., N. K. Rhoades, and A. R. Schmidt, to ESB Inc. Electric lantern. 232,756, 9–10–74, Cl. D48—24.
Obata, Mitsugu, T. Nakanishi, H. Ishii, and S. Yahata, to Kabushiki Kaisha Ricoh. Perforating typewriter. 231,566, 4–30–74, Cl. D64—11.
Oberg, Gary R., to Valtest, Inc. Test-scoring machine. 232,311, 8–6–74, Cl. D25—1.
Oberlander, Albert C. Toy truck. 230,754, 3–12–74, Cl. D34—15.
Oberlin Canteen, Inc.: *See*—
Denny, Thomas A. 231,450.
O'Brien, Robert F., and F. S. Amussen. Plaid. 229,987, 1–15–74. Cl. D92—1.
Ocel, Donald J., J. J., S. F., and D. M. Aslesen. Table crusher. 233,533, 11–5–74, Cl. D32—3.
Ocel, John J.: *See*—
Ocel, Donald J., J. J., S. F., and Aslesen. 233,533.
Ocel, Samuel F.: *See*—
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Ochial, Jiro, and T. Machida, to Tamura Electric Works, Ltd. Clock or similar article. 230,302, 2–5–74, Cl. D42—7.
Ockerman, Philip D. Toothbrush kit. 231,593, 5–7–74, Cl. D6—94.
O'Connell, Daniel: *See*—
Metzner, Irving L., and O'Connell. 232,133.
Ocuin, Morton. Carrier rack for tumblers. 233,722, 11–26–74, Cl. D7—71.
Odell, Richard G.: *See*—
Edgelington, James N., Odell, and Lowrance. 232,811.
Odell, Russel B. Puppet. 229,949, 1–15–74, Cl. D34—2.
Oden Leather Design, Inc.: *See*—
Slaboden, Jeffrey K. 230,797.
O'Donnell, Jerry L. Football blocking sled for forearm testing. 233,219, 10–15–74, Cl. D10—83.
O'Donnell, Thomas P. Blade. 232,301, 8–6–74, Cl. D8—98.
Oestmann, Eldon D., R. L. Krolak, G. F. Alexander, and J. T. Duke, to Caterpillar Tractor Co. Track assembly. 230,300, 2–5–74, Cl. D40—5.
Offredi, Giovanni. Armchair. 233,638, 11–19–74, Cl. D6—81.
Offredi, Giovanni, to Fratelli Saporiti Industria Arredamenti di Saporiti Sergio e Giorgio S.N.C. Armchair. 233,923, 12–17–74, Cl. D6—71.
Ogle, Paul E., and K. L. Coleman, to O-T-D Corp. Shipping container. 232,812, 9–17–74, Cl. D9—246.
Oguchi, Shigeo, to Tomy Kogyo Co., Ltd. Card dealer. 232,953, 9–24–74. Cl. D34—13.
O'Hare, Harry M., to Federal Investment Corp. Dispensing container for liquids. 232,810, 9–17–74, Cl. D9—71.
Ohaus Scale Corp.: *See*—
Koven, Edward A. 230,880.
Ohi, Hisatane: *See*—
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Ohnishi, Minoru, to France Bed Co. Ltd. Chair. 233,099. 10–8–74. Cl. D6—74.
Ohnuki, Tomoji. Toy puppet. 231,841, 6–18–74, Cl. D34—2.
Ohta, Kikuo: *See*—
Miyamoto, Masaaki, and Ohta. 230,277.
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Tonari, Hirohiko, Iwasaki, Ohwada, and Kurihara. 232,099.
Ohyama, Matsusuke. Shoulder bag. 231,867, 6–18–74, Cl. D87—5.
Ohyama, Matsusuke. Tote bag. 231,868, 6–18–74, Cl. D87—5.
Ohyama, Matsusuke. Satchel. 231,869, 6–18–74. Cl. D87—5.
Okabe, Ken, and H. Yazawa, to Matsushita Electric Industrial Co., Ltd. Combined radio and phonograph or similar article. 230,507, 2–26–74, Cl. D56—4.
Okada, Takao: *See*—
Kawamura, Ken, Okada, and Koda. 233,789.
Okajima, Masaki, to Kabushiki Kaisha Ricoh. Film spool. 230,890. 3–19–74, Cl. D61—1.
Okubo, Tadashi, to Kumiai Chemical Industry Co., Ltd. Feeding container for animals. 232,847, 9–17–74, Cl. D30—13.
Olczewski, Edward. Picture frame. 233,296. 10–22–74. Cl. D6—236.
Olday, Fred L. Loose hair collecting attachment for fur sewing machine. 233,630, 11–12–74, Cl. D70—2.
Oletti, Joseph J. to D & G Associates, Inc. Range grate hold down clip. 229,744, 1–1–74, Cl. D8—259.
Olin Corp.: *See*—
Bergquist, Thomas A. 232,149.
Olinger, Jennette C. Suspendable combined table and chandelier. 231,060, 4–2–74, Cl. D6—113.
Olinkraft, Inc.: *See*—
Bamburg, Robert A., Duncan, and Floyd. 232,303.
Sherman, Earle C. 230,075.
Olko, Henry. Chair. 231,165, 4–9–74, Cl. D6—57.
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Oliver, Robert M. Yarn spinning stand. 230,782, 3–12–74, Cl. D92—15.

Oliver, Samuel G. Pan board. 232,676, 9–10–74, Cl. D6—114.
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Olsen, Robert W., to Efficiency Dispensers Corp. Battery water dispenser. 233,826, 12–3–74, Cl. D9—53.
Olson, Donald M., 33⅓ each to M. Morris and E. L. Kirkman. Vaginal speculum. 232,779, 9–10–74, Cl. D83—12.
Olson, Eugene: *See* —
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Olson, John D., and W. S. Gutowski, to The Stanley Works. Screw starter. 233,132, 10–8–74, Cl. D8—86.
Olson, Ladell P., and F. P. Cooley, to Rycol Corp. Combined vehicle safety lights ensemble and mounting bracket therefor. 229,773, 1–1–74, Cl. D48—32.
Olson, Robert E. Strip of staples with logo or other indicia. 231,902, 6–25–74, Cl. D8—266.
Olsson, Ivan E. Urine collecting and measuring device. 231,273, 4–9–74, Cl. D83—1.
Olympia Brewing Co.: *See*—
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O'Neil, Robert A., and M. C. Wilson, to The Seeburg Corp. of Delaware. Phonograph cabinet. 229,960, 1–8–74, Cl. D56—4.
O'Neil, Robert A., and M. C. Wilson, to The Seeburg Corp. Phonograph cabinet. 232,053, 7–9–74, Cl. D56—4.
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Ono, Taisuke, and H. Ohi, to Matsushita Electric Works, Ltd. Hair dryer. 231,573, 4–30–74, Cl. D86—19.
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Ono, Taisuke, and H. Ohi, to Matsushita Electric Works, Ltd. Electric hair cutter. 233,571, 11–5–74, Cl. D95—3.
Orans, Alfred A. Kaleidoscope. 232,182, 7–23–74, Cl. D34—15.
Orbalceta, S.A.: *See*—
Beldarrain, Francisco. 232,028.
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Orr, Edward R. Water pipe. 230,099, 1–22–74, Cl. D85—8.
Osborn, Charles A. Rake head primarily for temporary attachment to a golf club shaft. 233,006, 10–1–74, Cl. D8—13.
Osborne, John A., and C. G. Laird. Paint roller. 231,131, 4–2–74, Cl. D64—18.
Osborn, Orin H., to International Multifoods Corp. Bolus gun for calves. 233,915, 12–10–74, Cl. D83—12.
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Ottenstein, Thomas R., to Electric Char-B-Que, Inc. Food warmer with removable food compartments. 230,243, 2–5–74, Cl. D7—96.
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Ow, Gordon Y. W. Amphibious vehicle. 231,203, 4–9–74, Cl. D12—3.
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Pagani, Eugenio, to R.lli Pagani S.p.A. Lamp set for motorcycles or the like. 233,623, 11–12–74, Cl. D48—32.

Pages, Michel. Map holder. 232,933, 9–24–74, Cl. D19—89.
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Pahl, Donald A., and P. E. Rasmussen, to Vydec, Inc. Data terminal housing. 230,156, 1–29–74, Cl. D26—5.
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Palomares, Connie A. Infant garment with front pocket. 232,058, 7–16–74, Cl. D2—229.
Palumbo, Gary S. Combined spoon rest and scraper for a jar or the like. 233,582, 11–12–74, Cl. D7—39.
Palumbo, Jerome J., Jr. Display plaque. 231,239, 4–9–74, Cl. D29—23.
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Panicci, Richard L., to Kiddie Products, Inc. Potty-chair base. 231,831, 6–18–74, Cl. D23—53.
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Panzica, Gary T. Cabinet for a teleprinter. 233,718, 11–26–74, Cl. D6—173.
Pappas, Michael, to Falcon Safety Products, Inc. Power operated horn. 230,090, 1–22–74, Cl. D72—1.
Papst, Georg, to Papst Motoren, K.G. Fan. 231,355, 4–16–74, Cl. D23—160.
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Pardo, John, to The Procter & Gamble Co. Combined bottle and cap therefor. 232,700, 9–10–74, Cl. D9—71.
Pardo, John, to The Procter & Gamble Co. Bottle. 232,809, 9–17–74, Cl. D9—45.
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Sadler, Harry J., Pareja, and Leschisin. 233,800.
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Parker, Frederick A., to Biomarine Industries, Inc. Rebreather apparatus. 231,571, 4–30–74, Cl. D83—1.
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Parrotte, Edwin C., to Golf, Inc. Display fixture. 232,892, 9–24–74, Cl. D 6—186.
Parry, Richard K. Garden tool. 230,247, 2–5–74, Cl. D8—6.
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Pulos, Arthur J. 231,466.
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Pastva, John V., Jr., to The Eastern Co. Vehicle door lock. 231,723, 6–4–74, Cl. D8—109.
Patasnik, Sam. Hanger for neckties or the like. 229,797, 1–8–74, Cl. D6—251.
Patla, Jacob W., and L. Schachner, to Xerox Corp. Reproduction machine. 230,513, 2–26–74, Cl. D61—1.
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Paulsen, C. Richard, to The Drackett Co. Toilet bowl cleaner dispenser. 231,985, 7–2–74, Cl. D23—3.
Paulsen, Charles. Centrifuge rotor. 231,981, 7–2–74, Cl. D16—2.
Paulson, Harvey V., and W. L. Liese, to Bernzomatic Corp. Fireplace lighter. 231,561, 4–30–74, Cl. D48—27.
Paulson, Ralph E. Dual lighting fixture. 232,257, 7–30–74, Cl. D48—23.
Pavelle, Richard. Golf club head. 229,844, 1–8–74, Cl. D34—5.
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Pawsat, Carlton P., and R. F. Humlong, to Wald Mfg. Co., Inc. Reflective velocipede pedal. 230,721, 3–12–74, Cl. D12—125.
Pawsat, Carlton P., and R. F. Humlong, to Wald Mfg. Co., Inc. Reflective bicycle pedal. 233,223, 10–15–74, Cl. D12—125.
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Pearson, Daniel, to W. R. Grace & Co. Wrapping for confectionary. 230,714, 3–12–74, Cl. D9—250.
Pearson, Karl H., Jr. Infant feeding fork or the like. 231,721, 6–4–74, Cl. D7—141.
Peasley, Curtiss M. Battery case. 231,990, 7–2–74, Cl. D26—6.
Peasley, Curtiss M. Slide projector. 233,256, 10–15–74, Cl. D61—1.
Pedersen, Carl P. Box. 231,824, 6–18–74, Cl. D9—240.
Pedinielli, Gilbert, and D. Richelet, to International Business Machines Corp. Communication control desk or the like. 230,483, 2–26–74, Cl. D26—5.
Pelensky, Walter J. Stringed musical instrument. 230,076, 1–22–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 230,077, 1–22–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 230,078, 1–22–74, Cl. D56—1.
Pelensky, Walter J. Semi-fretted harp type Ukrainian bandura. 230,079, 1–22–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,257, 4–9–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,393, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,394, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,395, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,396, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,397, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,398, 4–16–74, Cl. D56—1.
Pelensky, Walter J. Stringed musical instrument. 231,399, 4–16–74, Cl. D56—1.
Pell, Richard B.: *See*—
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Pellicore, Albert P. Rotatable wheel for exercising. 233,459, 10–29–74, Cl. D34—15.
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Pendill, William G., to Nutrition Dynamics, Inc. Stuffed toy. 232,040, 7–9–74, Cl. D34—4.
Pendill, William G., to Nutrition Dynamics, Inc. Stuffed toy. 232,041, 7–9–74, Cl. D34—4.
Pendill, William G., to Nutrition Dynamics, Inc. Stuffed toy. 232,042, 7–9–74, Cl. D34—4.
Pendill, William G., to Nutrition Dynamics, Inc. Stuffed toy. 232,043, 7–9–74, Cl. D34—4.
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Peterson, Henry G., and T. Grimes, to Roto Rooter Corp. Sewer and drain pipe cleaning machine. 232,377, 8-13-74, D49—10.
Peterson, John C. Marble game puzzle. 231,788, 6-11-74, Cl. D34—15.
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Pivacek, William J., to Invacare Corp. Caster support for wheelchairs or the like. 231,801, 6-11-74, Cl. D83—1.
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Ponder, Joseph M. Football kicking tee. 231,003, 3-26-74, Cl. D34—5.
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Potter, Edward. Disposable culture device. 234,025, 12-31-74, Cl. D32—1.
Potter, John W. Aerial toy. 233,999, 12-24-74, Cl. D34—15.
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Powers, Alfred, to Robert B. Wolf. Athletic shoe. 229,900, 1-15-74, Cl. D2—309.
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Pracilio, Francis P. Hand operated injection molding instructional device. 231,487, 4-23-74, Cl. D54—8.
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Rutland, James W., to Florida Cyress Gardens, Inc. Life preserver jacket. 232,317, 8–6–74, Cl. D34—43.
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Mansur, Fred E., Salisbury, and Baker. 230,993.
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Salsgiver, John P., to United Technical Corp. Design for mobile cart. 232,166, 7–23–74, Cl. D12—27.
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Schaefer, Howard A., to Anchor Hocking Corp. Reflective roadway marker. 230,209, 1–29–74, Cl. D72—1.
Schaefer, Howard A., to Anchor Hocking Corp. Reflective roadway marker. 230,319, 2–5–74, Cl. D72—1.
Schaffer, Everett, Jr. protective hood. 230,912, 3–26–74, Cl. D2—233.
Schaffer, Stephen. Combined golf tee and green repairer. 230,409, 2–19–74, Cl. D34—5.
Schafler, Alberto B. Cone cap. 230,225, 2–5–74, Cl. D2—250.
Schafler, Alberto B. Pyramidal horn. 232,239, 7–30–74, Cl. D34—15.
Schalitz, Charles E. Turret bowling pin holder. 233,997, 12–24–74, Cl. D34—5.
Schalitz, Charles E. Turret bowling pin holder. 233,998, 12–24–74, Cl. D34—5.
Schaller, Maurice, to Levolor Lorentzen, Inc. Woven textile and aluminum fabric. 230,328, 2–5–74, Cl. D92—1.
Schantz, Francis W.: *See*—
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Schantz, Francis W., to Schantz, Francis W.; mesne. Trailer assembly. 233,322, 10–22–74, Cl. D12—97.
Scharf, Seev. Baby bunting. 229,874, 1–8–74, Cl. D92—2.
Schauble, L. S.-B. Mobile diner. 232,714, 9–10–74, Cl. D12—102.
Schaum, David L.: *See*—
Conway, Ronald I., Jones, and Schaum. 232,126.
Conway, Ronald I., Jones, and Schaum. 232,194.
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Scheffler, Edward D., Jr. Liquid storage tank. 233,752, 11–26–74, Cl. D23—2.
Schefke, John T., and A. K. Boktys, Modular mobile intensive care unit design. 232,587, 8–27–74, Cl. D83—1.
Scherer, Nancy A., to Cannon Mills Co. Pillowcase or similar article of bed linen. 232,509, 8–27–74, Cl. D6—264.
Scherer, Nancy A., to Cannon Mills Co. Towel or similar article. 233,112, 10–8–74, Cl. D6—265.
Scherer, Nancy A., to Cannon Mills Co. Towel or similar article. 233,113, 10–8–74, Cl. D6—265.
Scherer, Nancy A., to Cannon Mills Co. Textile fabric. 233,376, 10–22–74, Cl. D92—1.
Scheirich, H. J., Co.: *See*—
Dillen, Warren A. 232,611.
Dillen, Warren A. 232,894.
Schell, George I. Pallet. 231,653, 5–14–74, Cl. D14—3.
Schick, George L.: *See*—
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Brenneman J. Edward, and Waters. 232,395.
Waters, Robert S., Doyle, Rogers, and Bartram. 232,326.
Waters, Robert S., Doyle, Rogers, and Bartram. 232,327.
Waters, Robert S., Doyle, Rogers, and Bartram. 232,490.
Schick, Richard J., and J. F. Walker, to Honeywell, Inc. Combustion products detector. 230,207, 1–29–74, Cl. D72—1.
Schild, Manfred, to Sunbeam Corp. Shag rug vacuum attachment. 231,309, 4–16–74, Cl. D7—173.
Schimke, Lloyd J. Dispensing cap. 230,140, 1–29–74, Cl. D9—278.
Schimpf, Alfred, to H. Heer & Cie. Tripod. 233,368, 10–22–74, Cl. D61—1.
Schlage, Ernest L., to Schlage Lock Co. Key blank. 232,806, 9–17–74, Cl. D8—136.
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Schlage, Ernest L. 232,806.
Schlamp, Hermann. Cigarette lighter. 233,767, 11–26–74, Cl. D27—42.
Schlesinger, Irving, and C. Fleenor, to South Bay Treasure, Inc., d.b.a. Treasure Industries. Aquarium. 229,839, 1–8–74, Cl. D30—9.
Schlessel, Walter, to Gemco-Ware Inc. Cruet. 229,918, 1–15–74, Cl. D7—54.
Schlink, David J.: *See*—
Schwarz, Walter K., and Schlink. 231,796.
Schmeck, Robert E., to Adrema Pitney-Bowes GmbH. Electric printing machine or similar article. 229,865, 1–8–74, Cl. D64—11.
Schmedes, Robert: *See*—
Avant, Richard, and Schmedes. 231,183.
Schmidt, Arthur: *See*—
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Schmidt, Francis C., to Sorenson Mfg. Co. Plunger switch. 233,240, 10–15–74, Cl. D26—13.
Schmidt, George E., Jr.: *See*—
Glover, William H., Schmidt and Donnelly. 232,212.
Glover, William H., Schmidt, and Donnelly. 232,335.
Schmidt, Gerald F., to The Boeing Co. Supersonic airplane. 231,094, 4–2–74, Cl. D12—190.
Schmidt, Gerald W., and A. Sims, to California R & D Center. Toy ark. 230,366, 2–12–74, Cl. D34—15.
Schmidt, Gerald W., and A. Sims, to California R&D Center. Toy barn. 230,410, 2–19–74, Cl. D34—15.
Schmidt, Wolfgang, to Siemens Aktiengesellschaft. Telephone hand set or similar article. 231,363, 4–16–74, Cl. D26—14.
Schmit, Justin M., to Arctic Pac, Inc. Pitcher. 229,919, 1–15–74, Cl. D7—64.
Schmitt, Fred A., to Litton Business Systems, Inc. Modularized workstation and components therefor. 232,009, 7–9–74, Cl. D6—162.
Schmitt, Jack B., to Sunbeam Corp. Facade for electric humidifier. 229,935, 1–15–74, Cl. D23—146.
Schmitt, Jack B., to Sunbeam Corp. Facade for electric humidifier. 229,936, 1–15–74, Cl. D23—146.
Schmitt, Jack B., to Sunbeam Corp. Facade for electric humidifier. 229,937, 1–15–74, Cl. D23—146.
Schmitt, Paul C. Casserole or similar article. 232,412, 8–20–74, Cl. D7—97.
Schmitz, Louis W., and N. E. Hinkel. Recreational water vehicle. 230,840, 3–19–74, Cl. D12—62.
Schmitz, Richard L., and D. A. Sharbaugh, to Biospectrum Inc. Laboratory glassware holder. 233,008, 10–1–74, Cl. D8—72.
Schmuck, Fredric E.: *See*—
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Schneider, Irwin, to Imperial Arts Corp. Covered food serving vessel. 229,916, 1–15–74, Cl. D7—18.
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Schneider, Otto. Rubber boots. 233,636, 11–19–74, Cl. D2—272.
Schoepe, Adolf, and F. E. Schmuck. Support for toilet tank refill tube. 232,156, 7–23–74, Cl. D8—259.
Scholfield, Richard P., to Wheeldex Mfg. Co., Inc. Card file. 232,868, 9–17–74, Cl. D74—2.
Scholl, Kenneth S. Dish for fruit cocktail. 230,809, 3–19–74, Cl. D7—20.
Schonfeld, Hans: *See*—
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Prochnow, Claus, Steinbock, Kramer, and Schoenfeld. 233,259.
Schotland, Ronald S. Storage cabinet. 232,677, 9–10–74, Cl. D6—127.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Wheel for a juvenile vehicle. 229,845, 1–8–74, Cl. D34—15.
Schrock, Donald C., to Crane Co. Lavatory. 232,092, 7–16–74, Cl. D23—58.
Schrock, Donald C. Lavatory. 232,093, 7–16–74, Cl. D23—58.
Schrock, Donald C., to Crane Co. Combined bathtub and grab rail. 233,756, 11–26–74, Cl. D23—55.
Schroeder, Peter, to Gardisette International AG. Fabric for curtains. 232,979, 9–24–74, Cl. D92—1.
Schroeder, Peter E., to Gardisette International AG. Design for a curtain fabric. 232,980, 9–24–74, Cl. D92—1.
Schroeder, Peter E., to Gardisette International AG. Curtain fabric. 233,465, 10–29–74, Cl. D47—6.
Schroeder, Peter E., to Gardisette International A.G. Curtain fabric. 233,547, 11–5–74, Cl. D47—6.
Schroeder, Peter E., to Gardisette International A.G. Curtain fabric. 233,548, 11–5–74, Cl. D47—6.
Schroeder, Peter E., to Gardisette International A.G. Curtain fabric. 233,549, 11–5–74, Cl. D47—6.
Schroeder, Peter E., to Gardisette International AG. Curtain fabric. 233,685, 11–19–74, Cl. D47—6.
Schroeder, Phillip J., to Xerox Corp. Balance scale. 233,658, 11–19–74, Cl. D10—90.
Schroeder, Phillip J., to Xerox Corp. Educational device for teaching arithmetic. 233,935, 12–17–74, Cl. D25—1.
Schroll, Willard J., to Better Marketing Industries, Inc. Roof element. 229,747, 1–1–74, Cl. D13—1.
Schuller, John, to Orion Industries, Inc. Antenna whip. 231,535, 4–30–74, Cl. D26—14.
Schultz, John R.: *See*—
Turner, Donald W., and Schultz. 232,404.
Schultz, Orion L. Reel. 231,327, 4–16–74, Cl. D8—220.
Schultz, Richard A., to Hallmark Cards, Inc. Candle holder. 230,187, 1–29–74, Cl. D48—2.
Schultz, Richard A., to Hallmark Cards, Inc. Candle holder. 231,629, 5–7–74, Cl. D48—2.
Schulz, Donald A. Christmas tree stand. 232,791, 9–17–74, Cl. D6—105.
Schuster, Daniel E., to The Goodyear Tire & Rubber Co. Tire. 230,259, 2–5–74, Cl. D12—143.

Schuster, Gordon L., and C. D. Brotherton, to Timesavers, Inc. Wide belt sanding machine. 229,957, 1-15-74, Cl. D37—1.
Schutte, Harry D., to Schutte Pulverizer Co., Inc. One pass combination wood hogging and pulverizing machine. 230,191, 1-29-74, Cl. D55—1.
Schutte Pulverizer Co., Inc.: *See*—
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Schwartz, Edwin L., to Rite Autotronics Corp. Timing light. 232,120, 7-16-74, Cl. D52—6.
Schwartz, Edwin L., to Rite Autotronics Corp. Tachometer with torque zone indicator. 233,552, 11-5-74, Cl. D52—6
Schwartzman, Gilbert. Valve member. 230,480, 2-26-74, Cl. D23—19.
Schwarz, Joseph E. Jewish Memorial Yahrzeit Candle. 231,249, 4-9-74, Cl. D48—2.
Schwarz, Walter K., and D. J. Schlink, to The Peoria Journal Star, Inc. Conversion calculator. 231,796, 6-11-74, Cl. D64—11.
Schwarzenbach, Barbara J.: *See*—
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Schwarzenbach, Jean W., and B. J. Schwarzenbach. Bath slipper. 231,160, 4-9-74, Cl. D2—283.
Schweizer, Eduard H. Tape cartridge displayer. 230,382, 2-19-74, Cl. D6—20.
Schweizer, Peter L., to Owens-Illinois, Inc. Jug. 229,888, 1-15-74, Cl. D9—42.
Schweizer, Peter L., to Owens-Illinois, Inc. Cruet. 230,689, 3-
Schweizer, Peter L., to Owens-Illinois, Inc. Jug. 231,726, 6-4-74, Cl. D9—40.
Schy, Frank R. Packaging container for comestibles or the like. 232,524, 8-27-74, Cl. D9—219.
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Sciarrone, Jo Ann P. Portable drawer tray. 233,877, 12-10-74, Cl. D7—38.
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Scott, Thomas, to Bombardier Ltd. Snowmobile hood. 230,586, 3-5-74, Cl. D14—24.
Scott, Thomas, to Bombardier Ltd. Snowmobile. 230,972, 3-26-74, Cl. D14—24.
Scott, Thomas, to Bombadier Ltd. Snowmobile seat. 232,674, 9-10-74, Cl. D6—48.1.
Scripto Inc.: *See*—
Lockwood, John C. 229,966.
Scourtes, Chris. Swimming pool coping. 232,433, 8-20-74, Cl. D13—6.
Scully, James C., to Styme, Inc. Golf game putting target. 232,444, 8-20-74, Cl. D34—5.
Seager, Richard H., to General Electric Co. Escutcheon for combined eight track tape player and tuner. 230,604, 3-5-74, Cl. D26—14.
Seager, Richard H., to General Electric Co. Eight track tape player. 232,032, 7-9-74, Cl. D26—14.
Seaquist Valve Co.: *See*—
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Searer, Glenn V. Adjustable lock striker plate. 231,724, 6-4-74, Cl. D8—117.
Searer, Glenn V., and V. A. Electrical wire protector. 231,769, 6-11-74, Cl. D8—263.
Searer, Vernon A.: *See*—
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Sebel, Harry. Furniture base. 233,926, 12-17-74, Cl. D6—194.
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Sebring, Burr, to Gorham, a division of Textron Inc. Top. 230,169, 1-29-74, Cl. D34—15.
Sederquist, Stanley L. F. Coin dispenser for a vehicle. 233,063, 10-1-74, Cl. D52—4.
Seddon, Robert M., to Unitex Ltd. Wet suit. 232,396, 8-20-74, Cl. D2—40.
Sedley, Abe, to International Seaway Trading Corp. Shoe. 229,989, 1-22-74, Cl. D2—310.
Seeburg Corp. of Delaware, The: *See*—
Harada, Mas. 231,991.
O'Neil, Robert A., and Wilson. 229,860.
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Seefluth, Uwe C. Rotor for a helicopter toy. 231,479, 4-23-74, Cl. D34—15.
Seefluth, Uwe C. Toy helicopter. 233,677, 11-19-74, Cl. D34—15.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,553, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,554, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,555, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,556, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,557, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,558, 11-5-74, Cl. D54—2.
Seery, Robert F., to Julius Blum & Co., Inc. Grillework for treillages, room dividers or the like. 233,788, 11-26-74, Cl. D54—2.
Seffin, Arthur H. Tube deburring tool. 233,475, 10-29-74, Cl. D54—4.
Seip, Donald, to Red Devil Inc. Handle for combined paint applying trimmer and edger. 230,205, 1-29-74, Cl. D64—18.
Selto, Hisashi, to Kabushiki Kaisha Saikosha Seisakusho. Combination lock for bicycles or the like. 231,078, 4-2-74, Cl. D8—114.
Selto, Hisashi, to Kabushiki Kaisha Saikosha Seisakusho. Combination lock for bicycles or the like. 231,079, 4-2-74, Cl. D8—114.
Seltz, Lamont J., and E. V. Miranda, to Baxter Laboratories, Inc. Test tube rack. 231,444, 4-23-74, Cl. D16—1.
Seltz, Lamont J., and S. G. Hauser, to Baxter Laboratories, Inc. Biological tray illuminator. 231,781, 6-11-74, Cl. D16—2.
Seki Yoshizo, to Tomy Kogyo Co., Ltd. Toy race trackway. 233,620, 11-12-74, Cl. D34—15.
Sekisui Chemical Co. Ltd.: *See*—
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Se-Kit, Yuen. Telephone stand with index. 232,363, 8-13-74, Cl. D26—14.
Se Kit, Yuen. Combined telephone stand and index. 232,867, 9-17-74, Cl. D74—1.
Selden, Robert W., to Weyerhaeuser Co. Light standard or similar article. 233,784, 11-26-74, Cl. D48—31.
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Bell, Vernon D., and Seltz. 232,901.
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Seltzer, Samuel M. Pivotal tray. 233,948, 12-17-74, Cl. D55—1.
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Settle, Glenn. Head for a down spout. 230,597, 3-5-74, Cl. D23—45.
Settle, Glenn. Connector for gutter drain pipe. 232,553, 8-27-74, Cl. D23—45.
Severson, John F. Confection stick. 231,716, 6-4-74, Cl. D1—99.
Sewell, James A. Combined salt and pepper shaker. 230,931, 3-26-74, Cl. D7—57.
Seymour, Merritt W., to Owens-Corning Fiberglas Corp. Shower stall. 230,979, 3-26-74, Cl. D23—57.
Seymour, Merritt W., to Owens-Corning Fiberglass Corp. Bathroom wall panel. 230,980, 3-26-74, Cl. D23—69.

Seymour, Merritt W., to Owens-Corning Fiberglas Corp. Combination bathtub and shower stall. 233,932, 12-17-74, Cl. D23—49.
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Shales, Eugene A. Exerciser. 232,368, 8-13-74, Cl. D34—5.
Shalom, Samuel. Aquarium. 233,938, 12-17-74, Cl. D30—6.
Shalom, Samuel. Aquarium. 233,939, 12-17-74, Cl. D30—6.
Shanklin, Donald J., to Orion Industries, Inc. Mechanic's creeper. 230,971, 3-26-74, Cl. D14—3.
Shanks, Harry R., to Sears, Roebuck & Co. Drip pan. 229,867. 1-8-74, Cl. D67—3.
Shanks, Harry R., to Sears, Roebuck and Co. Refrigerator drawer cover. 230,089, 1-22-74, Cl. D67—3.
Shannon, John C., to Empire Scientific Corp. Enclosure for a loudspeaker system. 230,997, 3-26-74, Cl. D26—14.
Shannon, Joseph E. Frame for mini bikes and the like. 232,529, 8-27-74, Cl. D12—111.
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Shanok, Victor, J. P. Shanok, and R. Volpe, to Glass Laboratories Co. Auxiliary brake light. 231,120, 4-2-74, Cl. D48—32.
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Sharp, Bernard C., to Sears, Roebuck and Co. Combined receptable and cover for portable toilet. 231,352, 4-16-74, Cl. D23—48.
Sharp, Bernard C., to Sears, Roebuck and Co. Portable toilet. 231,931, 6-25-74, Cl. D23—48.
Sharp, Clellmont L. Container for chlorine pellets or the like 231,823, 6-18-74, Cl. D9—222.
Sharp, JoAnne W. Doll. 232,747, 9-10-74, Cl. D34—4.
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Shearin, Hubert S., and C. Riley, to Manual Arts Furniture Co. Adjustable organ bench. 233,279, 10-22-74, Cl. D6—32.
Sheck, Wah J., to Gemini Products, Inc. Chess board. 231,849, 6-18-74, Cl. D34—5.
Sheiman, Julius, to Crest Lock Co., Inc. Lock for zipper luggage and the like. 232,697, 9-10-74, Cl. D8—123.
Shelkofsky, Clifford I., and E. R. Wiener, to International Business Machines Corp. Document sorter. 230,861, 3-19-74, Cl. D26—5.
Sheller-Globe Corp.: *See*—
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Shenk, Ray M. Windshield wiper protector. 232,716, 9-10-74, Cl. D12—155.
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Szlenkier, Tadeusz K., to Hawker Siddeley Aviation Ltd. V/stol aircraft. 232,427, 8–20–74, Cl. D12—79.
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Taylor, William D., to Rubbermaid Inc. Food container lid. 230,344, 2–12–74, Cl. D7—131.
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Tchou, John. Chinese chess board. 231,847, 6–18–74, Cl. D34—5.
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Teggelaar, Claude, to Wolverine Industries, Inc. Door latch handle. 230,393, 2–19–74, Cl. D8—170.
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Tegner, Raymond U. H., to Amerock Corp. Soap dish holder. 231,166, 4–9–74, Cl. D6—89.
Tegner, Raymond U. H., to Amerock Co. Chain guard. 231,189, 4–9–74, Cl. D8—131.
Tegner, Raymond U. H., and B. N. Bingham. Catch. 231,190, 4–9–74, Cl. D8—134.
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Tegner, Raymond U. H., to Amerock Corp. Chain guard. 231,314, 4–16–74, Cl. D8—131.
Tegner, Raymond U. H., to Amerock Corp. Escutcheon plate. 231,325, 4–16–74, Cl. D8—188.
Tegner, Raymond U. H., to Amerock Corp. Mock hinge strap. 231,897, 6–25–74, Cl. D8—202.
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Tegner, Raymond U. H. Chain guard. 232,805, 9–17–74, Cl. D8—131.
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Thomas, Gordon D., to Kimberly-Clark Corp. Paper toweling. 231,023, 3–26–74, Cl. D59—2.
Thomas, Gordon D., to Kimberly-Clark Corp. Paper toweling or similar article. 232,772, 9–10–74, Cl. D59—2.
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Thomas, Michael D., to MCD Corp. Contact lens sterilizing device. 231,499, 4–23–74, Cl. D83—1.
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Thomasen, Norman L. Loudspeaker-stand combination. 232,439, 8–20–74, Cl. D26—14.
Thompson, John C., to Micro-Gen Equipment Corp. Portable liquid chemical dispersing apparatus. 231,785, 6–11–74, Cl. D23—18.
Thompson, John F., and D. R. Payton, to W. R. Weaver Co. Wide angle telescopic sight. 233,169, 10–8–74, Cl. D57—1.
Thompson, John F., and D. R. Payton, to W. R. Weaver Co. Wide angle telescopic sight. 232,661, 9–3–74, Cl. D57—1.
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Fischer, Arnold W., to Geo. J. Ball, Inc. African violet. 3,613, 9–10–74, Cl. 69.

Fischer, Arnold W., to Geo. J. Ball, Inc. African violet. 3,614, 9–10–74, Cl. 69.

Fischer, Carl H., to Selected Glads, Inc. Gladiolus. 3,442, 1–15–74, Cl. 85.

Flanagan, Russell N., to Stark Bro's Nurseries & Orchards Co. Apple tree. 3,557, 5–28–74, Cl. 35.

Frampton's Nurseries Ltd.: *See*—
Machin, Barrie J. 3,425.
Machin, Barrie J. 3,433.
Machin, Barrie J. 3,435.
Machin, Barrie J. 3,443–7.
Machin, Barrie J. 3,450.
Machin, Barrie J. 3,451.
Machin, Barrie J. 3,528.
Machin, Barrie J. 3,607.
Machin, Barrie J. 3,616.
Machin, Barrie J. 3,660.

Funk, Cyril R., Jr.: *See*
McVlegh, Kevin J., and Funk. 3,643.

Garrett, Curran L.: *See*—
Garrett, Curran L., and Mahoney. 3,491.

Garrett, Curran L., and J. T. Mahoney to Curran L. Garrett. St. Augustine grass. 3,491. 2–26–74, Cl. 88.

Gavello, Louis E. Hebe (Veronica) plant. 3,493. 2–26–74, Cl. 54.

Gavello, Louis E. Hebe (Veronica) plant. 3,494. 2–26–74, Cl. 54.

Gavello, Louis E. Hebe (Veronica) plant. 3,495, 2–26–74, Cl. 54.

Granny Spur Enterprises: *See*—
Hannaford, John G. 3,453.

Grasso, Louis. Carnation plant. 3,600, 8–27–74, Cl. 70.

Graust, Bent E. Carnation plant. 3,430, 1–8–74, Cl. 73.

Gray, O. S.: *See*—
Bohls, Allie. 3,434.

Griggs, William H., and B. T. Iwakiri to The Regents of the University of Calif. Pear tree. 3,599, 8–27–74, Cl. 36.

Hall, G. B.: *See*—
Machin, Barrie J., and Hall. 3,455.
Machin, Barrie J., and Hall. 3,499.

Hannaford, John G., to Granny Spur Enterprises. Apple tree. 3,453, 1–20–74, Cl. 34.

Hanners, Daniel A., to Stark Bro's Nurseries & Orchards Co. Apple tree. 3,560, 5–28–74, Cl. 35.

Harcharik, Thomas G.: *See*—
Mazzanti, Peter F., and Harcharik. 3,554.

Hayler, Dieter, to Mikkelsens, Inc. Begonia plant. 3,469. 2–5–74, Cl. 68.

Hegg, Thormod. Poinsettia plant. 3,564, 6–4–74, Cl. 86.

Hickerson, Norman E.: *See*—
Mulford, Marion R. 3,507.

Hill, Joseph H., Co.: *See*—
Byrum, Roy L. 3,464.
Byrum, Roy L. 3,466.
Byrum, Roy L. 3,468.
Byrum, Roy L. 3,544.
Byrum, Roy L. 3,631.
Byrum, Roy L. 3,639.

Hilltop Orchards & Nurseries, Inc.: *See*—
Campbell, Fred J. 3,578.

Holdren, Robert E. Apple tree. 3,558, 5–28–74, Cl. 34.

Holley, Winfred D., to Colorado State University Research Foundation. Carnation plant. 3,487, 2–19–74, Cl. 70.

Holmquist, Phlip W., W. H. Jessel, Jr., and W. E. Duffett, said Jessel and said Duffett assor. to said Holmquist. Chrysanthemum plant. 3,459, 1–29–74, Cl. 74.

Holtkamp, Hermann. African violet. 3,511, 3–12–74, Cl. 69.

Holtkamp, Hermann. African violet. 3,512, 3–12–74, Cl. 69.

Holtkamp, Hermann. African violet. 3,513, 3–12–74, Cl. 69.

Holtkamp, Hermann. African violet. 3,514, 3–12–74, Cl. 69.

Holtkamp, Hermann. African violet. 3,515, 3–12–74, Cl. 69.

Holtkamp, Hermann. African violet. 3,516, 3–12–74, Cl. 69.

Honda, Osamu H., to Woodside Nurseries Co. Carnation plant ruby red sim. 3,573, 6–18–74, Cl. 73.

Hough, L. Frederic: *See*—
Dayton, Daniel F., Mowry, Hough, Bailey, Williams, Janick, Emerson, and Shay. 3,488.

Howard, Grady, Jr., assignor of a fractional part interest to J and L Plants, Inc., d.b.a. Howard Greenhouses. Kalanchoe plant. 3,645, 11–5–74, Cl. 68.

Hyde, Robert W.: *See*—
Leighty, Ralph G. 3,545.

Iowa State University Research Foundation: *See*—
Buck, Griffith J. 3,489.

Irwin, James T., to J and L Plants, Inc. Kalanchoe plant. 3,646, 11–5–74, Cl. 68.

Ishii, Toshio, to Armstrong Nurseries, Inc. Gardenia plant. 3,606, 9–3–74, Cl. 54.

Iwakiri, Ben T.: *See*—
Griggs, William H., and Iwakiri. 3,599.

J and L Plants, Inc.: *See*—
Howard, Grady, Jr. 3,645.
Irwin, James T. 3,646.

Jackson & Perkins Co.: *See*—
Buckner, George. 3,566.
Johnson, Theodore H., and Warriner. 3,585.
Kordes, Reimer. 3,509.
Reasoner, Elwin. 3,539.
Warriner, William A. 3,423.
Warriner, William A. 3,431.
Warriner, William A. 3,432.
Warriner, William A. 3,492.
Warriner, William A. 3,508.
Warriner, William A. 3,510.
Warriner, William A. 3,522.
Warriner, William A. 3,555.
Warriner, William A. 3,569.
Warriner, William A. 3,571.
Warriner, William A. 3,579.
Warriner, William A. 3,595.
Warriner, William A. 3,650.
Warriner, William A. 3,651.
Warriner, William A. 3,652.
Warriner, William A. 3,664.
Warriner, William A. 3,665.
Warriner, William A. 3,666.

Janick, Jules: *See*—
Dayton, Daniel F., Mowry, Hough, Bailey, Williams, Janick, Emerson, and Shay. 3,488.

Jessel, Walter H., Jr.: *See*—
Bond, Ralph, Jessel, and Duffett. 3,523.
Carrier, Leonard E., Jessel, and Duffett. 3,604.
Holmquist, Phlip W., Jessel, and Duffett. 3,459.
Mack, Grace H., Jessel, and Duffett. 3,454.
Mack, Grace H., Jessel, and Duffett. 3,460.
Mack, Grace H., Jessel, and Duffett. 3,500.
Mack, Grace H., Jessel, and Duffett. 3,530.
Niklas, Edmund R., Jessel, and Duffett. 3,549.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,424, 1–8–74, Cl. 78.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,458, 1–29–74, Cl. 78.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,481, 2–12–74, Cl. 79.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,506, 3–5–74, Cl. 78.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,521, 3–19–74, Cl. 79.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,527, 3–19–74, Cl. 77.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,552, 5–21–74, Cl. 75.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,576, 6–25–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,594, 8–20–74, Cl. 78.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,597, 8–20–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,598, 8–20–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,605, 9–3–74, Cl. 77.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,629, 10–1–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,632, 10–8–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,655, 11–26–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,656, 11–26–74, Cl. 77.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,657, 11–26–74, Cl. 78.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,658, 11–26–74, Cl. 77.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,659, 11–26–74, Cl. 77.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,671, 12–24–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,672, 12–24–74, Cl. 74.

Jessel, Walter H., Jr., and W. E. Duffett, to Yoder Brothers, Inc. Chrysanthemum plant. 3,673, 12–24–74, Cl. 78.

Johnson, Harold A., Jr., to Driscoll Strawberry Associates, Inc. Strawberry plant. 3,473, 2–12–74, Cl. 49.

Johnson, Harold A., Jr., to Driscoll Strawberry Associates, Inc. Strawberry plant. 3,529, 3–19–74, Cl. 49.

Johnson, Theodore H., and W. A. Warriner, to Jackson & Perkins Co. Rose plant. 3,585, 8–6–74, Cl. 26.

Jurale, Bernard S. Apple tree. 3,475, 2–12–74, Cl. 34.

Kerrigan, Howard. Azalea plant. 3,531, 3–26–74, Cl. 55.

Klass, Otto J., to Stark Bros. Nurseries and Orchards Co. Apple tree. 3,550, 5–14–74, Cl. 34.

Klehm, Carl G., to Klehm Properties, Inc. Peony plant. 3,635, 10–8–74, Cl. 68.

Klehm, Carl G., to Klehm Properties, Inc. Peony plant. 3,636, 10–8–74, Cl. 68.

Klehm, Carl G. to Klehm Properties, Inc. Peony plant. 3,641, 10–15–74, Cl. 68.

Klehm, Carl G. to Klehm Properties, Inc. Peony plant. 3,642, 10–15–74, Cl. 68.

Klehm, Carl G. to Klehm Properties, Inc. Peony plant. 3,667, 12–17–74, Cl. 68.

Klehm Properties, Inc.: *See*—
Klehm, Carl G. 3,635.
Klehm, Carl G. 3,636.
Klehm, Carl G. 3,641.
Klehm, Carl G. 3,642.
Klehm, Carl G. 3,667.

Kordes, Reimer, to Jackson & Perkins Co. Rose plant. 3,509, 3–5–74, Cl. 24.

Krilloff, Michel. Rose plant. 3,640, 10–15–74, Cl. 11.

Laboratoire de Physiologie Vegetale de La Londe: *See*—
Barberet, Alexandre. 3,532.
Barberet, Alexandre. 3,533.
Barberet, Alexandre. 3,534.
Barberet, Alexandre. 3,537.
Barberet Alexandre. 3,593.
Barberet, Alexandre, and Blanc. 3,602.

Laboratoire de Physiologie Vegetale de la Londe Barberet & Blanc: *See*—
Barberet, Alexandre, and Blanc. 3,591.
Barberet, Alexandre, and Blanc. 3,592.

Laboratoire de Physiologie Vegetale de la Londe-Barberet & Blanc, Societe en nom Collectif: *See*—
Barberet, Alexandre, and Blanc. 3,628.

Laboratoire de Physiologie Vegetale de la Londe-Societe Civile Agricole: *See*—
Barberet, Alexandre. 3,570.

Lammerts, Walter E., to Armstrong Nurseries, Inc. Rose plant. 3,525, 3–19–74, Cl. 22.

Larus, Charles T.: *See*—
Larus, John R. and C. T. 3,461.

Larus, John R., and C. T. Larus, to Selected Glads, Inc. New and distinct variety of gladiolus. 3,461, 1–29–74, Cl. 85.

Lee, Sing Ling. Chrysanthemum plant. 3,608, 9–3–74, Cl. 78.

Leighty, Ralph G., deceased, by R. M. A. Leighty, executrix, to Robert W. Hyde, d.b.a. Hyde's House of Roses. Rose plant. 3,545, 5–7–74, Cl. 23.

Leighty, Rosa M. A.: *See*—
Leighty, Ralph G., and R.M.A. 3,545.

Lowden, Edward W. Raspberry plant. 3,634, 10–8–74, Cl. 46.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,425, 1–8–74, Cl. 74.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,433, 1–15–74, Cl. 82.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,435, 1–15–74, Cl. 81.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,443, 1–22–74, Cl. 77.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,444, 1–22–74, Cl. 82.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,445, 1–22–74, Cl. 74.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,446, 1–22–74, Cl. 74.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,447, 1–22–74, Cl. 74.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,450, 1–22–74, Cl. 80.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,451, 1–22–74, Cl. 81.

Machin, Barrie J., and G. B. Hall, to Yoder Brothers, Inc. Chrysanthemum plant. 3,455, 1–29–74, Cl. 74.

Machin, Barrie J., and G. B. Hall, to Yoder Brothers, Inc. Chrysanthemum plant. 3,499, 2–26–74, Cl. 74.

Machin, Barrie J., and P. T. Stone, to Yoder Brothers, Inc. Chrysanthemum plant. 3,503, 3–5–74, Cl. 74.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant-Europa. 3,528, 3–19–74, Cl. 78.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,607, 9–3–74, Cl. 81.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,616, 9–10–74, Cl. 78.

Machin, Barrie J., to Frampton's Nurseries Ltd. Chrysanthemum plant. 3,660, 12–17–74, Cl. 81.

Mack, Grace H.: *See*—
Mack, Grace H., Jessel, Jr., and Duffett. 3,500.
Mack, Grace H., Jessel, Jr., and Duffett. 3,530.

Mack, Grace H., W. H. Jessel, Jr., and W. E. Duffett, said Jessel and said Duffett assors. to Grace H. Mack. Chrysanthemum plant. 3,454, 1–29–74, Cl. 75.

Mack, Grace H., W. H. Jessel, Jr., and W. E. Duffett, said Jessel and said Duffett assors. to said Mack. Chrysanthemum plant. 3,460, 1–29–74, Cl. 75.

Mack, Grace H., W. H. Jessel, Jr., and W. E. Duffett, to Grace H. Mack. Chrysanthemum plant. 3,500, 2–26–74, Cl. 75.

Mack, Grace H., W. H. Jessel, Jr., and W. E. Duffett to Grace H. Mack. Chrysanthemum plant. 3,530, 3–19–74, Cl. 74.

Mahoney, Joseph T.: *See*—
Garrett, Curran L., and Mahoney. 3,491.

Math, Tantau: *See*—
Van Engelen, Floor A. G. 3,596.

Mazzanti, Peter F.: *See*—
Mazzanti, Peter F., and Harcharik. 3,554.

Mazzanti, Peter F., and T. G. Harcharik; said Harcharik assor. to said Mazzanti. Carnation plant. 3,554, 5–21–74, Cl. 70.

McColley, Robert H. Distinct variety of philodendron plant. 3,502, 3–5–74, Cl. 88.

McColley, Robert H. Distinct variety of philodendron plant. 3,535, 4–2–74, Cl. 88.

McGredy, Samuel. Rose plant. 3,524, 3–19–74, Cl. 22.

McKenzie, Donald W., to Stark Bros. Nurseries & Orchard Co. Apple tree. 3,637, 10–15–74, Cl. 34.

McVlegh, Kevin J., and C. R. Funk, Jr. Bluegrass plant. 3,643, 10–15–74 Cl. 88.

Meilland, Alain, to The Conard-Pyle Co. Rose plant. 3,543, 5–7–74, Cl. 18.

Meilland, Marie-Louis, to C. H. Stuart, & Co. Rose plant. 3,546, 5–7–74, Cl. 28.

Meilland, Marie-Louise, to The Conard-Pyle Co. Rose plant. 3,452, 1–22–74, Cl. 20.

Meilland, Marie-Louise, to Michigan Bulb Co. Rose plant. 3,621, 9–24–74, Cl. 20.

Melk, Ruth F. Gladiolus plant. 3,669, 12–17–74, Cl. 85.

Merrill, Grant. Variety of nectarine-may queen. 3,581, 8–6–74, Cl. 41.

Merrill, Grant. Peach. 3,582, 8–6–74, Cl. 43.

Merrill, Grant. Peach. 3,583, 8–6–74, Cl. 43.

Merrill, Grant. Peach plant. 3,589, 8–13–74, Cl. 43.

Merrill, Grant. Peach plant. 3,590, 8–13–74, Cl. 43.

Meserve, Kathleen K., to The Conrad-Pyle Co. Ilex plant (blue prince). 3,517, 3–12–74, Cl. 65.

Meserve, Kathleen K., to The Conard-Pyle Co. Ilex blue angel. 3,662, 12–17–74, Cl. 65.

Meyer, Carl, to Geo. J. Ball, Inc. Rose plant. 3,668, 12–17–74, Cl. 20.

Michigan Bulb Co.: *See*—
Meilland, Marie-Louise. 3,621.

Mikkelsen, James C., to Mikkelsens, Inc. Begonia plant. 3,638, 10–15–74, Cl. 68.

Mikkelsens, Inc.: *See*—
Bernstein, Bruno. 3,474.
Hayler, Dieter. 3,469.
Mikkelsen, James C. 3,638.

Moore, Ralph S. Miniature rose plant. 3,472, 2–12–74, Cl. 7.

Moore, Ralph S. Miniature rose plant. 3,538, 4–9–74, Cl. 8.

Moore, Ralph S. Rose plant. 3,562, 6–4–74, Cl. 24.

Moore, Ralph S. Rose plant. 3,563, 6–4–74, Cl. 28.

Moore, Ralph S. Miniature rose plant. 3,601, 8–27–74, Cl. 7.

Moore, Ralph S. Miniature rose plant. 3,627, 9–24–74, Cl. 8.

Moore, Ralph S. Miniature rose plant. 3,654, 11–19–74, Cl. 10.

Mordigan, Peter, to Select Nurseries, Inc. Juniper plant. 3,565, 6–4–74, Cl. 50.

Motsinger, Armard V. Ilex (Holly). 3,575, 6–18–74, Cl. 65.

Mowry, James B.: *See*—
Dayton, Daniel F., Mowry, Hough, Bailey, Williams, Janick, Emerson, and Shay. 3,488.
Mulford, Marion R, to Norman E. Hickerson. Aphelandra. 3,507, 3–5–74, Cl. 88.
Nakano, Grace Y. Chrysanthemum plant entitled dark pinnacle. 3,624, 9–24–74, Cl. 81.
Niklas, Edmund R. W. H. Jessel, Jr., and W. E. Duffett, said Jessel and said Duffet assors. to said Niklas. Chrysanthemum plant. 3,549, 5–14–74, Cl. 76.
Nobblo, Giacomo. Perpetual flowering carnation plant. 3,663, 12–17–74, Cl. 70.
Olmo, Harold P., to The Regents of the University of California. Grapevine. 3,625, 9–24–74, Cl. 47.
Paganelli, Frank, to Stark Bro's. Nurseries & Orchards Co. Apple tree. 3,541, 5–7–74, Cl. 35.
Pan-American Plant Co.: *See*—
Danielson, Robert E. 3,486.
Danielson, Robert E. 3,587.
Shoesmith, Leonard H. 3,463.
Shoesmith, Leonard H. 3,536.
Shoesmith, Leonard H. 3,588.
Shoesmith, Leonard H. 3,609.
Poirier, Mary H. Ivy plant. 3,470, 2–5–74, Cl. 67.
Purdue Research Foundation: *See*—
Dayton, Daniel F., Mowry, Hough, Bailey, Williams, Janick, Emerson, and Shay. 3,488.
Reasoner, Elwin, to Jackson & Perkins Co. Rose plant. 3,539, 4–9–74, Cl. 5.
Reedley Nursery, Inc.: *See*—
Anderson, Frederic W. 3,478.
Anderson, Frederic W. 3,479.
Anderson, Frederic W. 3,617.
Anderson, Frederic W. 3,618.
Anderson, Frederic W. 3,619.
Anderson, Frederic W. 3,633.
Regents of the University of California, The: *See*—
Bringhurst, Royce S., and Voth. 3,561.
Olmo, Harold P. 3,625.
Rose, H. Barry: *See*—
Coke, Stephen M. 3,485.
Ross, Henry A., to Cole Nursery Co., Inc. Flowering crabapple tree. 3,644, 11–5–74, Cl. 34.
Ruppel, George M., to Selected Glads, Inc. Gladiolus. 3,661, 12–17–74, Cl. 85.
San Gabriel Nursery and Florist: *See*—
Yoshimure, Raymond. 3,462.
Select Nurseries, Inc.: *See*—
Mordigan, Peter. 3,565.
Tomlinson, Francis C. 3,501.
Selected Glads, Inc.: *See*—
Fischer, Carl H. 3,442.
Larus, John R., and C. T. 3,461.
Ruppel, George M. 3,661.
Shammarello, Anthony M. Azalea plant. 3,465, 2–5–74, Cl. 57.
Shay, J. Ralph: *See*—
Dayton, Daniel F., Mowry, Hough, Bailey, Williams, Janick, Emerson, and Shay. 3,488.
Sherrill, Lewis B. Peach tree. 3,603, 8–27–74, Cl. 43.
Shoesmith, Leonard H., to Pan-American Plant Co. Chrysanthemum plant (magician). 3,463, 2–5–74, Cl. 79.
Shoesmith, Leonard H. Chrysanthemum plant (silver coin). 3,484, 2–19–74, Cl. 77.
Shoesmith, Leonard H., to Pan-American Plant Co. Chrysanthemum plant (St. Moritz). 3,536, 4–2–74, Cl. 77.
Shoesmith, Leonard H., to Pan-American Plant Co. Chrysanthemum plant. 3,588, 8–13–74, Cl. 78.
Shoesmith, Leonard H., to Pan-American Plant Co. Chrysanthemum (red bonanza). 3,609, 9–3–74, Cl. 82.
Shsarenko, Jack D., to Stark Bro's Nurseries & Orchards Co. Apple tree. 3,567, 6–11–74, Cl. 35.
Small, Earl J., Growers, Inc.: *See*—
Sweet, Jack S. 3,480.
Stark Bro's Nurseries & Orchard Co.: *See*—
Anderson, Frederic W. 3,477.
Flanagan, Russell N. 3,557.
Hanners, Daniel A. 3,560.
Klass, Otto J. 3,550.
McKenzie, Donald W. 3,637.
Paganelli, Frank. 3,541.
Shsarenko, Jack D. 3,567.
Stohl, Luther R. Grapevine. 3,448, 1–22–74, Cl. 47.
Stone, Paul T.: *See*—
Machin, Barrie J., and Stone. 3,503.
Stretch, Kenneth, and R. Stretch. Almond tree. 3,483, 2–19–74, Cl. 30.
Stretch, Robert: *See* —
Stretch, Kenneth and Stretch. 3,483.
Stuart, C. H., & Co.: *See*—
Meilland, Marie-Louis. 3,546.
Sweet, Jack S., to Earl J. Small, Growers, Inc. Poinsettia plant. 3,480, 2–12–74, Cl. 86.
Swim, Herbert C.: *See*—
Ellis, Arnold W., and Swim. 3,518.
Ellis, Arnold W., and Swim. 3,670.
Swim, Herbert C., and O. L. Weeks, to O. L. Weeks, d.b.a. Weeks Wholesale Rose Grower. Rose plant. 3,559, 5–28–74, Cl. 28.
Swim, Herbert C., and O. L. Weeks, to The Conard-Pyle Co. Rose plant. 3,568, 6–11–74, Cl. 11.
Thingholm, Ejner, Bougainvillea. 3,630, 10–1–74, Cl. 54.
University of Calif., The Regents of the: *See*—
Griggs, William H., and Iwakiri. 3,599.
Valepiano, Armando, and S. Hybrid tea rose plant. 3,653, 11–19–74, Cl. 20.
Valepiano, Sergio: *See*—
Valepiano, Armando, and S. 3,653.
Van Engelen, Floor A. G., to Math. Tantau. Rose plant. 3,596, 8–20–74, Cl. 24.
Van Well Nursery, Inc.: *See*—
Ward, Arlie M. 3,556.
Verbeek, Gijsbert. Rose plant. 3,540, 4–9–74. Cl. 20.
Vogel, Hermann: *See*—
Brandkamp, Hubert, and Vogel. 3,449.
Voth, Victor: *See*—
Bringhurst, Royce S., and Voth. 3,561.
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Adam, James W., Bernard Goobich, and Thomas M. Trainer, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,397,-861; v. 928; p. 1379.
Ahlvers, Dieter, Mellendorf, Germany. Dedication filed July 23, 1974, by the assignee, Kabelund Metallwerke Gutehoffnungshutte Aktiengesellschaft. No. 3,732,717; v. 928; p. 441.
Anderson, Bror E., Arlington Heights, and Margery L. Schick, Mount Prospect, Ill. Disclaimer filed Jan. 24, 1974, by the assignee, Weber Marking Systems, Inc. No. 3,704,155; v. 920; p. 287.
Anderson, Vincent, Chicago, Ill. Disclaimer filed Mar. 19, 1973, by the assignee, Chicago Etching Corporation. No. 3,755,-940; v. 918; p. 520.
Artz, Walter M., Succasunna, Kenneth R. Cornelius, Parsippany, and John W. Olson, Morris Township, Morris County, N.J., Gary R. Signor, Burlington, N.C., and Francis E. Slojkowski, Milburn, N.J. Disclaimer filed May 15, 1972, by the assignee, Bell Telephone Laboratories, Incorporated and Western Electric Company. No. 3,641,505; v. 919; p. 788.
Aslan, Edward E., Plainview, N.Y. Dedication filed June 6, 1973, by the assignee, Hewlett-Packard Company. No. 3,626,-290; v. 919; p. 404.
Asquith, Anthony, Nuneaton, England. Disclaimer filed Sept. 11, 1974, by the assignee, Girling Limited. No. 3,732,952; v. 928; p. 439.
Atkeson, Florian V., Springdale, Pa. Dedication filed July 25, 1973, by the assignee, PPG Industries, Inc. No. 2,756,545; v. 918; p. 520.
Aunstrup, Knud, Farum, Otto Andersen, Copenhagen, and Helle Outtrup, Vaerlose, Denmark. Disclaimer filed May 1, 1974, by the assignee, Novo Terapeutisk Laboratorium A/S. No. 3,723,250; v. 928; p. 1378.
Baldwin, David John, London, England. Disclaimer filed Aug. 30, 1974, by the assignee, Sybron Corporation. No. 3,791,-393; v. 928; p. 439.
Barbin, Robert Lloyd, Lancaster, Pa. Disclaimer filed Oct. 16, 1972, by the assignee, RCA Corporation. No. 3,668,580; v. 929; p. 1358.
Barger, James Robert, Haddon Heights, and Phillips Brooks Scott, Haddonfield, N.J. Disclaimer filed May 4, 1972, by the assignee, RCA Corporation. No. 3,619,509; v. 919; p. 788.
Barker, Robert A., Port Huron, Mich. Disclaimer and dedication filed Oct. 13, 1972, by the assignee, Eltra Corporation. No. 3,518,060; v. 919; p. 3.
Barrekette, Euval S., New York, and Herbert B. Baskin, Mohegan Lake, N.Y. Disclaimer filed Dec. 17, 1973, by the assignee, International Business Machines Corporation. No. 3,559,307; v. 921; p. 863.
Bateman, James R., West Chicago, Ill. Disclaimer filed May 16, 1974, by the assignee, Roper Corporation. No. 3,716,089; v. 926; p. 1134.
Beninga, Duane H., Arvada, and Hugh P. Gibbons, Boulder, Colo. Disclaimer filed Mar. 28, 1974, by the assignee, Coors Porcelain Company. No. 3,767,518; v. 922; p. 7.
Berg, Vernon R., Sr., and Vernon R. Berg, Jr., Marshfield, Wis. Disclaimer filed Sept. 28, 1973, by the inventors. No. 3,691,-928; v. 919; p. 3.
Brady, Douglas MacPherson, Middletown, N.J. Disclaimer filed Feb. 28, 1974, by the assignee, Bell Telephone Laboratories, Incorporated. No. 3,750,051; v. 927; p. 782.
Breckman, Jack, Haddonfield, N.J. Dedication filed July 9, 1973, by the assignee, RCA Corporation. No. 3,755,811; v. 920; p. 287.
Brissey, Charles David, and Marvin Nathaniel Trotter, Anderson, S.C. Disclaimer filed Sept. 28, 1973, by the assignee, J. P. Stevens & Co., Inc. No. 3,678,672; v. 919; p. 3.
Brodie, Ivor, Palo Alto, Calif. Disclaimer filed Feb. 11, 1974, by the assignee, Varian Associates. No. 3,502,408; v. 925; p. 1086.
Brooks, Paul E., Detroit, Mich. Disclaimer filed Nov. 30, 1971, by the inventor. Design No. 225,474; v. 922; p. 6.
Brzezinski, Donald E., Brookfield, and Raymond L. Watts, Mukwonago, Wis. Dedication filed Mar. 2, 1972, by the assignee, Wehr Corporation. No. 3,365,599; v. 928; p. 441.
Bunte, William S., Somerville, and Lino E. De Gasperis, Clinton, N.J. Dedication filed Jan. 14, 1974, by the assignee, Egan Machinery Company. No. 3,694,132; v. 921; p. 863.
Card, Roy T., Chattanooga, Tenn. Disclaimer filed Jan. 18, 1973, by the assignee, The Singer Company. No. 3,084,645; v. 921; p. 434.
Cervenak, Peter J., Seattle, Wash. Disclaimer filed Dec. 26, 1973, by the assignee, Nicholson Manufacturing Company. No. 3,709,269; v. 921; p. 864.
Change, Glenn G., and Sam T. Crews, Houston, and Glenis E. Wilson, Spring, Tex. Disclaimer filed Nov. 30, 1973, by the assignee, Smith International, Inc. No. 3,784,238; v. 923; p. 1232.
Chesley, Frank G., Red Wing, Minn. Disclaimer filed Nov. 9, 1973, by the inventor. No. 3,738,480; v. 919; p. 3.
Christman, Newton, Mount Prospect, Ill. Dedication filed Jan. 14, 1974, by the assignee, Industrial Design & Engineering, Inc. No. 3,436,073; v. 920; p. 287.
Coen, Aldo L., Chicago, Ill. Disclaimer and dedication filed Aug. 7, 1973, by the assignee, Alpha Products, Inc. No. 3,133,162; v. 919; p. 787.
Coen, Aldo L., Chicago, Ill. Disclaimer and dedication filed Aug. 7, 1973, by the assignee, Alpha Products, Inc. No. 3,138,864; v. 921; p. 1303.
Coen, Aldo L., Chicago, Ill. Disclaimer and dedication filed Aug. 7, 1973, by the assignee, Alpha Products, Inc. No. 3,191,421; v. 919; p. 3.
Colodney, Daniel, Green Brook, and Martin Cordon, Highland Park, N.J. Disclaimer filed Feb. 22, 1974, by the assignee, Colgate-Palmolive Company. No. 3,711,604; v. 923; p. 1232.
Contois, Lawrence Edward, Webster, N.Y. Disclaimer filed Feb. 13, 1974, by the assignee, Eastman Kodak Company. No. 3,647,433; v. 925; p. 1086.
Corsaro, Vincent A., Haverhill, Mass. Disclaimer filed Feb. 22, 1974, by the assignee, Western Electric Company, Incorporated. No. 3,588,998; v. 925; p. 1086.
Corsaro, Vincent A., Haverhill, Mass. Disclaimer filed Feb. 22, 1974, by the assignee, Western Electric Company, Incorporated. No. 3,721,379; v. 925; p. 1087.
Coyle, James Warren, Montville, N.J. and Louis John Marsella, Leominster, Mass. Disclaimer filed Jan. 28, 1974, by the assignee, Standard Packaging Corporation. No. 3,570,-748; v. 925; p. 1086.
Craig, Paul N. Roslyn, Pa., and Charles L. Zirkle, Haddon Heights, N.J. Dedication filed May 16, 1974, by the assignee, A. H. Robins Company, Incorporated. No. 3,078,307; v. 928; p. 888.
Daly, Francis Patrick, Warwick, R.I. Disclaimer filed Oct. 30, 1972, by the assignee, RCA Corporation. No. 3,679,942; v. 929; p. 1358.
Davis, Charles S., New York, N.Y. Disclaimer filed June 24, 1974, by the assignee, Curtiss-Wright Corporation. No. 3,616,708; v. 925; p. 1086.
De Long, Herbert K., Midland, Mich. Dedication filed Aug. 9, 1974, by the assignee, The Dow Chemical Company. No. 2,901,409; v. 929; p. 1358.
De Smidt, Woodrow A., Whitefish Bay, and Donal V. Eckman, Milwaukee, Wis. Disclaimer filed Apr. 8, 1974, by the assignee, Allen-Bradley Company. No. 3,236,975; v. 925; p. 344.
De Witt, John H., Jr., Nashville, Tenn. Disclaimer filed Oct. 11, 1973, by the assignee, Laser Systems & Electronics, Inc. No. 3,740,141; v. 919; p. 4.
Dien, Chi K., Buffalo, N.Y. Disclaimer filed Jan. 28, 1974, by the assignee, Allied Chemical Corporation. No. 3,441,536; v. 927; p. 781.
Dobras, Bruce W., Dayton, Ohio. Disclaimer filed Apr. 4, 1974, by the assignee, Monarch Marking Systems, Incorporated. No. 3,784,792; v. 925 p. 345.
Donald, Philip J., Woodbury, N.J. Disclaimer filed May 12, 1972, by the assignee, RCA Corporation. No. 3,582,202; v. 919; p. 788.
Drumheller, Ronald L., New York, N.Y. Disclaimer filed June 24, 1974, by the assignee, Eastech, Inc. No. 3,805,171; v. 925; p. 345.
Dryden, Charles E., William H. Mink, and Herman Nack, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,269,-025; v. 928; p. 889.
Elsea, Arthur R., Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,181,945; v. 929; p. 1358.
Engdahl, Richard B., Herbert R. Hazard, and Glen M. Hein, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,371,-629; v. 928; p. 441.
Esslinger, Paul, Frankfurt am Main, and Rudolf Walkling, Frankfurt am Main-Bockenheim, Germany. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,662,811; v. 928; p. 441.
Every, Richard L., Ponca City, Okla. Dedication filed Feb. 14, 1974, by the assignee, Continental Oil Company. No. 3,542,-043; v. 927; p. 781.
Fischer, Roland B., Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,250,104; v. 928; p. 888.
Fish, Robert W., South Russell Village, Ohio, and Wallace F. Stack, Middletown Township, Bucks County, and Craig J. Welch, Ross Township, Allegheny County, Pa. Disclaimer filed Dec. 17, 1973, by the assignee, United States Steel Corporation. No. 3,545,194; v. 919; p. 404.
Fredenburg, Robert H., Barberton, Ohio. Dedication filed Nov. 2, 1973, by the assignee, PPG Industries, Inc. No. 3,000,978; v. 919; p. 787.
Frost, Paul D., Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,331,120; v. 928; p. 440.

Fuch, Francis Joseph, Jr., Princeton Junction, N.J. Disclaimer filed Nov. 16, 1973, by the assignee, Western Electric Company, Incorporated. No. 3,715,902 ; v. 919 ; p. 3.

Gagnon, Donald W. Sylvania, Ohio. Disclaimer and dedication filed Oct. 9, 1973, by the assignee, Owens-Illinois, Inc. No. 3,707,397 ; v. 919 ; p. 3.

Galey, William F., Tarentum, Pa. Dedication filed July 25, 1973, by the assignee, PPG Industries, Inc. No. 2,767,491 ; v. 918 ; p. 520.

Genovese, John M., Trenton, N.J. Disclaimer filed Mar. 28, 1974, by the assignee, Circle F Industries, Inc. No. 3,757,-268 ; v. 922 ; p. 7.

Goldhofer, Alois, Amendingen, Germany. Disclaimer filed June 3, 1974, by the inventor. No. 3,726,421 ; v. 927 ; p. 781.

Gough, Vernon E., Croyde, near Braunton, North Devon, England. Disclaimer filed Jan. 4, 1974, by the assignee, Dunlop Holdings, Ltd. No. 3,612,136 ; v. 921 ; p. 863.

Grauer, Theodor, Ariesheim, Basel-Land, Switzerland. Disclaimer filed Aug. 30, 1974, by the assignee, Ciba-Geigy A.G. No. 3,376,302 ; v. 928 ; p. 1378.

Green, George W., Portland, Oreg., and Donald G. Sundberg, Newark, Ohio. Dedication filed Nov. 23, 1973, by the assignee, Georgia-Pacific Corporation. No. 3,616,173 ; v. 919 ; p. 787.

Greever, James E., De Witt, N.Y. Disclaimer filed Nov. 8, 1973, by the assignee, Carrier Corporation. No. 3,796,783 ; v. 922 ; p. 1020.

Grier, John D. Temperance, and Maclin S. Hall, Okemos, Mich. Disclaimer filed Sept. 18, 1972, by the assignee, Owens-Illinois, Inc. No. 3,706,552 ; v. 919 ; p. 404.

Gripshover, Paul J., Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,377,695 ; v. 928 ; p. 441.

Grybek, Roland S., and Frederick B. Johnston, Tampa, Fla. Disclaimer filed Mar. 18, 1974, by the assignee, Marketing and Research Services, Inc. No. 3,712,802 ; v. 921 ; p. 864.

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Guild, Charles L., Barrington, R.I., and Willard B. Goodman, Newport, Oreg. Disclaimer filed Jan. 7, 1974, by the inventors. No. 3,625,013 ; v. 921 ; p. 864.

Hagen, Magnus F., Fullerton, and Fred H. Ordan, Whittier, Calif. Disclaimer filed Aug. 12, 1974, by the inventors. No. 3,778,120 ; v. 928 ; p. 439.

Harbert, Donald Duane, Prosperity, Pa. Disclaimer filed Aug. 27, 1973, by the assignee, RCA Corporation. No. 3,629,612 ; v. 921 ; p. 1303.

Hardtmann, Goetz E., Florham Park, N.J. Disclaimer filed Sept. 21, 1973, by the assignee, Sandoz-Wander, Inc. No. 3,563,990 ; v. 919 ; p. 3.

Hatch, George B., Allison Park, Pa. Disclaimer filed Aug. 10, 1972, by the inventor, the assignee, Calgon Corporation, assenting. No. 3,532,639 ; v. 919 ; p. 788.

Hauth, Hartmut, Riehen, and Dietrich Stauffacher, Reinach, Basel, Switzerland. Disclaimer filed Oct. 10, 1973, by the assignee, Sandoz Ltd. (also known as Sandoz A.G.). No. 3,524,067 ; v. 925 ; p. 1086.

Hauth, Hartmut, Riehen, and Dietrich Stauffacher, Reinach, Basel, Switzerland. Disclaimer filed Aug. 30, 1974, by the assignee, Sandoz Ltd. (also known as Sandoz A.G.). No. 3,543,251 ; v. 927 ; p. 1294.

Hed, Aharon Zeev, Columbus, and Paul J. Freud, Worthington, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,686,096 ; v. 928 ; p. 441.

Hendrickson, Thomas N., and Thomas J. Dagon, Rochester, N.Y. Disclaimer filed Oct. 2, 1974, by the assignee, Eastman Kodak Company. No. 3,594,157 ; v. 928 ; p. 1378.

Henniger, Peter Wolfgang, Leiden, Netherlands. Disclaimer filed Sept. 26, 1973, by the assignee, American Home Products Corporation. No. 3,741,958 ; v. 920 ; p. 388.

Herz, Jack L., Searsdale, and Edward D. Weil, Hastings-on-Hudson, N.Y. Disclaimer filed Aug. 13, 1974, by the assignee, Stauffer Chemical Company. No. 3,645,972 ; v. 926 ; p. 1134.

Himmel, Martin, Mount Vernon, N.Y. Disclaimer filed Nov. 12, 1973, by the assignee, Tops Manufacturing Company, Inc. No. 3,275,186 ; v. 919 ; p. 3.

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Hoffman, Edwin E., St. Paul, Minn. Disclaimer and dedication filed May 7, 1974, by the inventor. No. 3,605,178 ; v. 928 ; p. 4.

Hoffman, William L., Pacific Palisades, Calif. Disclaimer filed Jan. 21, 1974, by the inventor. No. 3,543,315 ; v. 927 ; p. 781.

Holter, Norman J., and Wilford R. Glasscock, Helena, Mont. Disclaimer filed Feb. 22, 1974, by the assignee, The Holter Research Foundation, Inc. No. 3,215,136 ; v. 925 ; p. 344.

Holy, Elbert, Jr., Atlanta, Ga. Disclaimer filed Mar. 13, 1972, by the inventor. No. 3,511,233 ; v. 927 ; p. 781.

Hosokawa, Tomoyuki, Nara, Hazime Mori, Toyonaka, and Shigeru Kusunoki, Kyoto, Japan. Disclaimer filed June 21, 1972, by the assignee, Matsushita Electric Industrial Co., Ltd. No. 3,619,537 ; v. 919 ; p. 788.

Hoyt, Charles T., John W. Haun, and Dwight L. Hensel, Brillion, Wis., Clarence M. Hansen, East Lansing, Mich., Walter G. Lovely, Ames, Iowa, and Hialmar D. Bruhn, Madison, Wis. Disclaimer filed May 6, 1974, by the assignee, Sperry Rand Corporation. No. 3,671,077 ; v. 923 ; p. 1232.

Huang, Hsing T., Groton, Conn., and Thomas A. Seto, Brooklyn, N.Y. Disclaimer filed Feb. 11, 1974, by the assignee, Pfizer Inc., No. 3,212,995 ; v. 925 ; p. 344.

Hughes, Gordon Alan, and Herchel Smith, Wayne, Pa. Disclaimer filed Jan. 7, 1974, by the assignee, Herchel Smith. No. 3,285,963 ; v. 921 ; p. 863.

Hunt, Charles d'A., Moraga, Calif. Disclaimer filed Mar. 26, 1974, by the assignee, Airco, Inc. No. 3,798,055 ; v. 921 ; p. 1303.

Hutchens, Morris L., Brookfield, Wis. Disclaimer filed June 26, 1972, by the assignee, Kearney & Trecker Corporation. No. 3,249,997 ; v. 919 ; p. 787.

Hyman, Seymour, New York, N.Y., Bruce S. Bernstein, Somerville, N.J., and Ramesh Kapoor, Seaford, Del. Disclaimer and dedication filed Sept. 10, 1973, by the assignee, Herculite Protective Fabrics Corporation. No. 3,705,938 ; v. 918 ; p. 520.

Jacyno, Anthony, Aurora, Ill. Disclaimer filed June 14, 1973, by the assignee, McGraw-Edison Company. No. 3,694,680 ; v. 919 ; p. 3.

Jendrisak, Joseph E., Northville, Mich. Dedication filed Nov. 28, 1973, by the assignee, Libbey-Owens-Ford Company. No. 3,094,403 ; v. 920 ; p. 287.

Job, Brian Ernest, Alexander Joseph Peter Pioli, and Till Medinger, Runcorn, England. Disclaimer filed May 6, 1974, by the assignee, Imperial Chemical Industries Limited. No. 3,654,254 ; v. 925 ; p. 1086.

Johnson, Verner A., Livonia, Mich. Disclaimer filed Nov. 23, 1973, by the assignee, Johnson Die & Engineering Co. No. 3,771,216 ; v. 920 ; p. 287.

Johnson, Verner A., Livonia, Mich. Disclaimer filed Nov. 23, 1973, by the assignee, Johnson Die & Engineering Co. No. 3,771,480 ; v. 920 ; p. 287.

Jones, Kenneth W., Franklin, Ohio. Dedication filed Sept. 26, 1973, by the assignee, International Paper Company. No. 3,111,064 ; v. 919 ; p. 787.

Joslin, Alvin Earl, Clarkson, Ontario, Canada. Disclaimer filed Mar. 14, 1974, by the assignee, Zapata Pipeline Technology, Inc. No. 3,210,102 ; v. 925 ; p. 344.

Kahale, Abed G., Roselle, Kenfi Yatsushiro, Chicago, and Thaddeus S. Wielgos, Des Plaines, Ill. Dedication filed Oct. 23, 1973, by the assignee, Controls Company of America. No. 3,720,936 ; v. 919 ; p. 3.

Kahng, Dawon, Bridgewater Township, Somerset County, and Edward Haig Nicollian, Murray Hill, N.J. Disclaimer filed Apr. 4, 1974, by the assignee, Bell Telephone Laboratories, Incorporated. No. 3,651,349 ; v. 922 ; p. 7.

Kail, Ralph L., Edinburg, Ind. Disclaimer filed July 26, 1974, by the assignee, W. R. Grace & Co. No. 3,523,798 ; v. 928 ; p. 439.

Kaltenbach, Pierre, New York, N.Y. Disclaimer filed June 26, 1973, by the inventor. No. 3,786,460 ; v. 922 ; p. 1020.

Katz, Ira, Elberon, and Richard A. Wilson and Christopher Giacino, Monmouth Beach, N.J. Disclaimer and dedication filed Dec. 10, 1973, by the assignee, International Flavors & Fragrances Inc. No. 3,681,088 ; v. 921 ; p. 863.

Kelly, Warner M., Houston, Tex. Disclaimer and dedication filed Apr. 11, 1974, by the assignee, Otis Engineering Corporation. No. 3,630,216 ; v. 923 ; p. 1232.

Kern, Edward L., Midland, Mich. Disclaimer filed Oct. 18, 1972, by the assignee, Dow Corning Corporation. No. 3,455,-723 ; v. 919 ; p. 788.

Kessler, Adrian, Cincinnati, and Phillip F. Pflaumer, Colerain Township, Hamilton County, Ohio. Disclaimer filed June 10, 1974, by the assignee, The Procter & Gamble Company. No. 3,332,880 ; v. 928 ; p. 4.

King, James L., Sudbury, Mass. Disclaimer filed Oct. 12, 1973, by the assignee, King Instrument Corporation. No. 3,787,-270 ; v. 924 ; p. 433.

Klein, Harold T., Bellevue, Wash. Disclaimer filed June 21, 1973, by the assignee, James S. Robbins and Associates, Inc. No. 3,554,298 ; v. 921 ; p. 434.

Kosky, Richard P., East Granby, Conn., and Preston W. Averill, Jr., Springfield, Mass. Disclaimer filed Aug. 30, 1974, by the assignee, Combustion Engineering, Inc. No. 3,764,736 ; v. 928 ; p. 439.

Kulp, Jack H., San Juan Capistrano, Calif. Disclaimer filed Apr. 4, 1974, by the assignee, Royal Industries, Inc. No. 3,757,626 ; v. 927 ; p. 782.

Laatt, Richard G., Longmount, and Juan A. Rodriguez, Boulder, Colo. Disclaimer filed June 28, 1974, by the assignee, Storage Technology Corporation. No. 3,731,208 ; v. 925 ; p. 6.

Land, Edwin H., Cambridge, Mass. Disclaimer filed May 7, 1973, by the assignee, Polaroid Corporation. No. 3,778,271 ; v. 928 ; p. 889.

Lang, Marshall Ira, Wayne, N.J. Disclaimer filed Feb. 1, 1973, by the assignee, Bajer Industries Incorporated. No. 3,742,-674 ; v. 919 ; p. 788.

Lawton, Emil A., Columbus, and Arthur Levy, Worthington, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,293,303 ; v. 928 ; p. 1379.

Lawton, Emil A., Columbus, Ohio, Earl A. Wellmuenster, Kenmore, N.Y., and Arthur Levy, Worthington, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,391,194 ; v. 928 ; p. 441.

Lee, John Malcolm, and J. C. Winfrey, Lake Jackson, Tex. Disclaimer filed Nov. 13, 1972, by the assignee, The Dow Chemical Company. No. 3,236,895 ; v. 919 ; p. 787.

Lee, John W. Festus, Mo. Dedication filed July 25, 1973, by the assignee, PPG Industries, Inc. No. 2,750,674 ; v. 918 ; p. 520.

Leibowitz, Alec, London, England. Dedication filed Sept. 7, 1973, by the assignee, Spectrum Diamonds (Proprietary) Ltd. No. 3,543,447 ; v. 918 ; p. 520.

Leopold, Wilbur R., Jr., Decatur, and William L. Hauffe, Warrensburg, Ill. Disclaimer filed Apr. 25, 1974, by the assignee, Mueller Co. No. 3,802,661 ; v. 925 ; p. 1087.

Le Par, Edwin, Andalusia, Pa. Disclaimer filed Jan. 11, 1972, by the inventor. No. 3,577,982 ; v. 919 ; p. 788.

Le Roy, Gene, Charleston, W. Va. Dedication filed Mar. 13, 1974, by the assignee, Union Carbide Corporation. No. 3,486,192 ; v. 925 ; p. 1086.

Levy, Oscar C. Pikesville, and George A. Groth, Fallston, Md. Disclaimer filed Mar. 18, 1974, by the assignee, American Totalisator Company, Inc. No. 3,541,526 ; v. 928 ; p. 889.

Liddell, Robert W., Pittsburgh, Pa. Dedication filed Aug. 9, 1974, by the assignee, Calgon Corporation. No. 3,505,238 ; v. 928 ; p. 441.

Liebman, Harman L., and Shirley A. Liebman, Lancaster, and Gary W. Paddison, York, Pa. Disclaimer filed Dec. 19, 1973, by the assignee, Armstrong Cork Company. No. 3,779,980 ; v. 919 ; p. 4.

MacNiel, Douglas K., Costa Mesa, Calif. Disclaimer filed Oct. 11, 1974, by the assignee, U.S. Divers Co. No. 3,649,979 ; v. 928 ; p. 1378.

Markowitz, Isral J., Brooklyn, N.Y. Disclaimer filed Jan. 17, 1974, by the assignee, Stem Development Corporation. No. 3,462,045 ; v. 921 ; p. 863.

Marzocchi, Alfred, Cumberland, R.I. Disclaimer and dedication filed July 18, 1973, by the assignee, Owens-Corning Fiberglas Corporation. No. 3,796,627 ; v. 924 ; p. 163.

McArthur, Colin Shaw, and Bruce Wall McKnight, Winston-Salem, N.C. Disclaimer filed July 19, 1972, by the assignee, R. J. Reynolds Tobacco Company. No. 3,426,582 ; v. 919 ; p. 788.

McBride, Lyle E., Jr., Norton, Mass. Disclaimer filed Feb. 25, 1974, by the assignee, Texas Instruments Incorporated. No. 3,643,142 ; v. 925 ; p. 1086.

McCune, Ellisworth Jacob, Webster, N.Y. Disclaimer filed Jan. 31, 1974, by the assignee, Eastman Kodak Company. No. 3,504,971 ; v. 925 ; p. 1086.

McDonnell, Robert William, Teaneck, and Maung Hla Win, Berkeley Heights, N.J. Dedication filed Sept. 23, 1973, by the assignee, Colgate-Palmolive Company. No. 3,781,228 ; v. 928 ; p. 441.

Meier, Walter A., Bridgeton, Mo. Disclaimer filed Oct. 23, 1973, by the assignee, St. Joe Minerals Corporation. No. 3,529,692 ; v. 920 ; p. 287.

Meijer, Robert S., Chicago, Ill. Disclaimer filed Jan. 7, 1974, by the assignee, Alnor Instrument Co. No. 3,638,488 ; v. 921 ; p. 864.

Mink, William H., and Herman Nack, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,239,942 ; v. 928 ; p. 888.

Miskopf, Billy J., and Ronald W. Wiemann, Houston, Tex. Disclaimer filed Oct. 19, 1973, by the assignee, Crown Zellerbach Corporation. No. 3,715,072 ; v. 919 ; p. 3.

Moon, Harry C., Jr., Oglesby, and John W. Pinketon, La Salle, Ill. Disclaimer filed Dec. 13, 1973, by the assignee, Sundstrand Corporation. No. 3,612,202 ; v. 921 ; p. 864.

Morris, Jack, Monsey, N.Y. Disclaimer filed Dec. 21, 1973, by the assignee, Thermatool Corp. No. 3,627,964 ; v. 919 ; p. 1071.

Munch, Walter, Jr., Covington, Ky., and Robert C. Scherer, Cincinnati, Ohio. Disclaimer filed Oct. 11, 1973, by the assignee, D. H. Baldwin Company. No. 3,233,031 ; v. 918 ; p. 520.

Nack, Herman, and Howard G. Schutz, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,205,074 ; v. 928 ; p. 888.

Nack, Herman, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,140,183 ; v. 929 ; p. 1358.

Nack, Herman, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,382,093 ; v. 928 ; p. 441.

Nack, Herman, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,460,972 ; v. 928 ; p. 441.

Nicolet, Rene, Walter Gutmann, and Theodor Volker, Freiburg, Switzerland. Disclaimer filed Mar. 19, 1974, by the assignee, Lonza Ltd. No. 3,776,982 ; v. 928 ; p. 889.

Niemiec, Leo P., Morton Grove, Ill. Disclaimer filed Jan. 28, 1974, by the inventor. Design No. 228,924 ; v. 925 ; p. 344.

Oswin, Harry G., Chauncey, and Keith F. Blurton, Ossining, N.Y. Disclaimer and dedication filed Mar. 26, 1974, by the assignee, Energetics Science, Inc. No. 3,776,832 ; v. 921 ; p. 1303.

Ott, Robert W., Jr., Rockford, Ill. Disclaimer filed Dec. 3, 1973, by the assignee, Rockford Servo Corporation. No. 3,390,823 ; v. 920 ; p. 287.

Patel, Chandra K. N., Chatham, N.J. Disclaimer filed Sept. 14, 1973, by the assignee, Bell Telephone Laboratories Incorporated. No. 3,745,482 ; v. 928 ; p. 439.

Plihal, Hanns, Gerhard Rothy, and Josef Schild, Vienna, Austria. Disclaimer filed Oct. 1, 1973, by the assignee, Karl Vockenhuber and Raimond Hauser. No. 3,613,544 ; v. 919 ; p. 3.

Pohl, Fritz G., and Arnold Keller, Kiel-Dietrichsdorf, Germany. Disclaimer filed Feb. 25, 1974, by the assignee, Howmet International, Inc. No. 3,709,630 ; v. 920 ; p. 1020.

Pohl, Walter M., Boca Raton, Fla. Disclaimer filed June 26, 1972, by the assignee, Kearney & Trecker Corporation. No. 3,174,222 ; v. 919 ; p. 787.

Pollock, Robert E., Hilliard, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,602,687 ; v. 928 ; p. 441.

Raab, Hilary A., Hammond, Ind. Disclaimer filed Oct. 24, 1972, by the assignee, East Chicago Machine Tool Corporation. No. 3,511,174 ; v. 928 ; p. 1378.

Rabenda, Edward J., Poughkeepsie, Wayne D. Brodd, Wappingers Falls, and Eugene E. Marquardt, Poughkeepsie, N.Y. Disclaimer filed Feb. 21, 1974, by the assignee, International Business Machines Corporation. No. 3,126,523 ; v. 925 ; p. 344.

Rabenda, Edward J., Poughkeepsie, Wayne D. Brodd, Wappingers Falls, and Eugene E. Marquardt, Poughkeepsie, N.Y. Disclaimer filed Feb. 21, 1974, by the assignee, International Business Machines Corporation. No. 3,243,783 ; v. 925 ; p. 345.

Rai, Charanjit, Somerset, Alphonso W. Marcellis, Lake Interval, N.J., and Donald E. Pearson, Nashville, Tenn. Disclaimer filed Aug. 8, 1974, by the assignee, Cities Service Oil Company. No. 3,763,250 ; v. 929 ; p. 1358.

Ramseier, Serge, Carouge, Geneva, Switzerland. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,580,089 ; v. 928 ; p. 441.

Rast, Gustav E., Hamburg, and Russell L. Steiner, Williamsville, N.Y. Disclaimer filed July 17, 1972, by the assignee, Allied Chemical Corporation. No. 3,640,733 ; v. 919 ; p. 788.

Rauner, Frederick J., and Reubin D. Deerhake, Rochester, N.Y. Disclaimer filed Apr. 1, 1974, by the assignee, Eastman Kodak Company. No. 3,511,661 ; v. 927 ; p. 781.

Raymond, Richard F., Saxonburg, and Emil A. Fusca, Pittsburgh, Pa. Dedication filed July 25, 1973, by the assignee, PPG Industries, Inc. No. 2,758,042 ; v. 918 ; p. 520.

Renner, Ulrich, Riehen, Switzerland. Disclaimer filed Nov. 14, 1972, by the assignee, Ciba-Geigy Corporation. No. 3,419,-569 ; v. 919 ; p. 788.

Rex, Charles H., Marblehead, Mass. Dedication filed July 29, 1974, by the assignee, Johns-Manville Sales Corporation. No. 3,283,140 ; v. 928 ; p. 1379.

Richard, Albert R., Weymouth, and George P. Honkanen, Mass. Disclaimer filed Nov. 7, 1973, by the assignee, Woodruff & Stokes Company. No. 2,939,253 ; v. 919 ; p. 787.

Riedel, Kurt A., Milwaukee, Wis. Disclaimer filed June 26, 1972, by the assignee, Kearney & Trecker Corporation. No. 3,133,349 ; v. 919 ; p. 787.

Riley, Robert H., Jr., Towson, and Melvin H. Neuhardt, Baltimore, Md. Disclaimer filed Nov. 7, 1973, by the assignee, The Black and Decker Manufacturing Company. No. 3,213,-303 ; v. 919 ; p. 3.

Ripka, William Charles, Wilmington, Del. Disclaimer filed Mar. 1, 1974, by the assignee, E. I. du Pont de Nemours and Company. No. 3,718,673 ; v. 925 ; p. 1087.

Royce, Martin R., Lancaster, Pa. Dedication filed May 13, 1974, by the assignee, Radio Corporation of America. No. 3,418,246 ; v. 925 ; p. 345.

Sabroff, Alvin M., Columbus, and Robert J. Fiorentino, Worthington, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,602,-024 ; v. 928 ; p. 441.

Sachs, Charles M., Fort Lee, N.J. Disclaimer filed May 6, 1974, by the assignee, Rapid-American Corporation. No. 3,322,127 ; v. 923 ; p. 1232.

Sachs, Charles M., Teaneck, N.J. Disclaimer filed May 6, 1974, by the assignee, Rapid-American Corporation. No. 3,478,747 ; v. 923 ; p. 1232.

Sachs, Charles M., West Englewood, N.J. Disclaimer filed May 6, 1974, by the assignee, Rapid-American Corporation. No. 3,381,689 ; v. 923 ; p. 1232.

Sachsel, George F., Worthington, and William H. Mink, Columbus, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,319,344 ; v. 928 ; p. 440.

Scace, Robert I., Skaneateles, N.Y. Disclaimer filed Nov. 26, 1973, by the assignee, General Elertric Company. No. 3,350,-611 ; v. 918 ; p. 520.

Schlesinger, Kurt, Fayetteville, N.Y. Disclaimer filed Jan. 14, 1974, by the assignee, General Electric Company. No. 3,710,176 ; v. 921 ; p. 864.

Schmid, Kurt, Steyr, Austria. Disclaimer filed Jan. 14, 1974, by the assignee, Alcan Aluminiumwerke GmbH. No. 3,571,-976 ; v. 921 ; p. 863.

Schmunk, John D., Findlay, Ohio. Dedication filed May 23, 1974, by the assignee, The Hancock Brick & Tile Company. No. 3,695,643 ; v. 925 ; p. 1086.

Schott, Charles M., Jr., Gloucester, Mass. Disclaimer filed May 29, 1973, by the assignee, Gloucester Engineering Co., Inc. No. 3,762,313 ; v. 918 ; p. 520.

Schultz, John R., John W. Heidacher, John M. Sharer, and James S. Adams, all of Batesville, Ind., and Frank M. Damico, Plover, Wis. Disclaimer and dedication filed June 14, 1974, by the assignee, Hill-Rom Company, Inc. No. 3,769,502 ; v. 927 ; p. 781.

Sell, Victor L., Santa Monica, and Sved M. S. Alvi, Placentia, Calif. Disclaimer filed Nov. 7, 1973, by the assignee, Ampex Corporation. No. 3,711,839 ; v. 919 ; p. 3.

Share, Jacob Henry, Albertson, N.Y., and Stanley Share, Ormand Beach, and Seymour Joseph Share, Daytona Beach, Fla. Disclaimer filed June 5, 1974, by the assignee, Stanley-Jackson Corp. No. 3,566,982 ; v. 928 ; p. 889.

Shiro, Benjamin P., Pittsford, N.Y. Disclaimer and dedication filed Nov. 30, 1973, by the assignee, Branson Instruments, Incorporated. No. 3,535,159 ; v. 920 ; p. 287.

Slaasted, Raymond S., and Edward D. Smith, Racine, Wis. Dedication filed Apr. 26, 1974, by the assignee, Modine Manufacturing Company. No. 3,782,454 ; v. 925 ; p. 1087.

Smith, Frederic E., Whitmore Lake, Mich. Disclaimer filed Dec. 11, 1972, by the assignee, Gulf & Western Industrial Products Company. No. 3,451,700 ; v. 920 ; p. 287.

Smith, Holley R., North Wales, and Bernard P. Sykes, West Chester, Pa. Disclaimer filed May 24, 1974, by the assignee, Honeywell Inc. No. 3,445,295 ; v. 925 ; p. 1086.
Smith, Raymond V., Los Altos, and Joseph B. Reagn, San Jose, Calif. Disclaimer and dedication filed Oct. 29, 1973, by the assignee, Lockheed Aircraft Corporation. No. 3,214,-705 ; v. 919 ; p. 787.
Songer, Paul A., Denver, Colo. Disclaimer filed June 10, 1974, by the assignee, The Gates Rubber Company. No. 3,274,-316 ; v. 927 ; p. 781.
Sorgenti, Harold A., and Herman Nack, Columbus, and George F. Sachsel, Worthington, Ohio. Dedication filed Aug. 2, 1974, by the assignee, The Battelle Development Corporation. No. 3,035,918 ; v. 929 ; p. 1358.
Spruill, Edgar L., Jonesboro, La. Dedication filed Aug. 20, 1974, by the assignee, Continental Can Company, Inc. No. 3,639,206 ; v. 928 ; p. 441.
Steijn, Roelof P., Wilmington, Del. Disclaimer filed May 16, 1973, by the assignee, E. I. du Pont de Nemours and Company. No. 3,080,135 ; v. 918 ; p. 520.
Stroud, Charles E., Tarentum, Pa. Dedication filed July 25, 1973, by the assignee, PPG Industries, Inc. No. 2,755,518 ; v. 918 ; p. 520.
Sulcs, Jurls, Fairview Park, and Robert W. McKimm, Euclid, Ohio. Dedication filed Mar. 11, 1974, by the assignee, General Electric Company. No. 3,723,784 ; v. 927 ; p. 781.
Swain, Ann, and Robert Sheldon, Abingdon, and Geoffrey Brian Stapleton, East Hanney, England. Disclaimer filed Feb. 28, 1974, by the assignee, Science Research Council. No. 3,566,115 ; v. 927 ; p. 781.
Sweet, Leo Ralph, and James Daniel Ratajczyk, Waukegan, Ill. Disclaimer filed May 2, 1974, by the assignee, Abbott Laboratories. No. 3,669,983 ; v. 929 ; p. 1358.
Tantraporn, Wirojana, and Se Puan Yu, Schenectady, and Paul J. Shaver, Scotia, N.Y. Disclaimer filed July 23, 1973, by the assignee, General Electric Company. No. 3,600,705 ; v. 924 ; p. 433.
Thomas, Lucius P., Indianapolis, Ind. Disclaimer filed Oct. 25, 1973, by the assignee, RCA Corporation. No. 3,240,875 ; v. 919 ; p. 787.
Turner, Norman C., Hopatcong, and James H. Cavitt, Somerville, N.J. Disclaimer filed Apr. 19, 1974, by the assignee, Radio Corporation of America. No. 3,381,183 ; v. 925 ; p. 345.
Tyler, Tommy N., Englewood, and Peter R. Lowe, Denver, Colo. Disclaimer filed Mar. 6, 1974, by the assignee, Honeywell Inc. No. 3,605,109 ; v. 922 ; p. 445.
Tylius, Adolfo, Washington, D.C. Disclaimer filed Feb. 15, 1974, by the assignee, Alvic Development Corporation. No. 3,656,266 ; v. 925 ; p. 1086.
Van Loan, Paul R., Grand Island, N.Y. Disclaimer filed June 28, 1973, by the assignee, E. I. du Pont de Nemours and Company. No. 3,682,840 ; v. 919 ; p. 404.
Van Ophem, Remy J., Warren, Mich. Dedication filed July 31, 1972, by the assignee, The Weatherhead Company. No. 3,536,874 ; v. 919 ; p. 787.
Van Riper, William P., Jr., and Thomas A. Stevens, Cincinnati, Ohio. Dedication filed Jan. 17, 1974, by the assignee, Inmont Corporation. No. 3,412,903 ; v. 925 ; p. 1086.
Venier, Dominic A., and James L. Lass, San Jose, Calif. Disclaimer filed Oct. 4, 1974, by the assignee, General Electric Company. No. 3,350,275 ; v. 928 ; p. 1378.
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